ROLL NO. D

OFFICIAL

GAZETTE

UNITED STATES

PATENT OFFICE

SEPT. THRU OCT.

1942

VOLS. 542 & 543

MICRO-PHOTO SERVICE
BUREAU
CLEVELAND 3, OHIO

OFFICIAL GAZETTE

OF THE

UNITED STATES PATENT OFFICE

VOLUME 542

SEPTEMBER

1942

CARL VINSON LIBRARY OF ATLANTA

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1942

R608
.13
v.542
Sept.1942

CONTENTS

	Page
Decisions of the Commissioner of Patents, Sept. 1, 8, 15, 22, 29	3, 179, 389, 599, 791
Trade-Marks Published and Registered, Sept. 1, 8, 15, 22, 29	11, 187, 399, 609, 809
Reissues, Sept. 1, 8, 15, 22, 29	31, 213, 415, 627, 829
Plant Patents, Sept. 1, 8, 15, 22, 29	32, — — — — 831
Patents, Sept. 1, 8, 15, 22, 29	33, 214, 416, 629, 832
Designs, Sept. 1, 8, 15, 22, 29	157, 369, 587, 771, 1032

ANNOUNCEMENTS

	Page
Adverse Decisions in Interference	387, 597, 802
Applications—Condition of pending	2, 178, 388, 598, 790
Board of Appeals—Time for Response	1
Bulletin of Decisions on Trade-Marks	803
Classification of Invention—Transfer of Class—*Order No. 3,649*	789
Copies of Patents—Instructions re ordering	1
Coupons—Suggestion for use of	597
Disclaimers—Bailey, William H	789
Baily, Robert W	177
Hanslick, Roy S	387
Hardy, Arthur C	177
Panish, Erwin J	177
Vogel, Julius	387
Drawings—Instructions re filing	1
Erratum (In re Penetrene Corp. vs. Plough, Inc.)	177
Interference Notices—Bake-Rite Oven Mfg. Co	387, 597, 802
Friedman-Kerr Co., The	1, 177
Pfluger, Clifford W	387, 597, 802
Patents—List of adjudicated	608, 789
Patent Suits	9, 185, 397, 607, 800
Trade-Mark Registrations Cancelled	177, 597, 802
Notice of cancellation	789

TABLE OF CASES REPORTED

	Page
*American Photographic Publishing Co. v. Ziff-Davis Publishing Co	8
*Boucher Inventions, Ltd., and Charles P. Boucher v. Sola Electric Company and Joseph G. Sola	599
*Burmel Handkerchief Corporation v. Cluett, Peabody & Co., Inc	395
*Camp, In re	602
*De Groote et al., In re	604
*Ewald, In re	5
*Foss v. Oglesby, Reilly and Gilbert	392
*Holdsworth v. Goldsmith	791
*Kroll Brothers Company v. Rolls-Royce, Limited and Rolls-Royce, Inc	4
*Mead, In re	390
*Nallinger, In re	389
*Patton, In re	796
*Robertson, In re	794
*Smith, In re	606
*Smith v. Swaine	179
*Tinnerman v. Kost	181
*Ubbelohde, In re	798
*Von Bramer et al., In re	183
*Wesselman, In re	7
*Young, In re	3

(Decisions of the U. S. Court of Appeals for the District of Columbia are indicated by the the letter (*); and of the U. S. Court of Customs and Patent Appeals by a star (*).)

508058

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A & W Bulb Company, Inc., Clearwater, Fla. Cut flowers. Serial No. 450,702; Sept. 1. Class 1.

Aircraft-Marine Products Inc., Elizabeth, N. J. Electrical terminals and wiring devices. Serial No. 453,528; Sept. 1. Class 21.

Allen, Paul E., Steele, Ill. Blanket fasteners. Serial No. 443,029; Sept. 1. Class 40.

Alson Textile Corporation, New York, N. Y. Rayon, silk, and cotton fabrics in the piece. Serial No. 453,725; Sept. 1. Class 42.

American Dietalds Company, Inc., Yonkers, N. Y. Vitamin capsules. Serial No. 453,907; Sept. 1. Class 6.

American Merri-Lei Corporation, New York, N. Y. Toy musical instruments. Serial No. 453,854; Sept. 1. Class 36.

American Wine Company, St. Louis, Mo. Sparkling wines and still wines. Serial No. 452,700; Sept. 1. Class 47.

Amling Company, doing business as Floralife, Chicago, Ill. Preparation for use in prolonging the life and beauty of cut flowers. Serial No. 452,410; Sept. 1. Class 6.

Bomb-X Company, The, Merchantville, N. J. Compound for controlling incendiary bombs and fires. Serial No. 454,067; Sept. 1. Class 6.

Bomb-X Company, The, Merchantville, N. J. Hand operated device for controlling incendiary bombs and fires. Serial No. 454,068; Sept. 1. Class 23.

Baron, H., & Co., Inc., Linden, N. J., and New York, N. Y. Fruit syrups. 439,036; Sept. 1. Class 46.

Barron's Publishing Co., Inc., New York, N. Y. Column in Barron's, The National Financial Weekly. Serial No. 452,343; Sept. 1. Class 38.

Behr-Manning Corporation, Watervliet and Troy, N. Y. Pile fabrics. Serial No. 444,900; Sept. 1. Class 42.

Bell Syndicate, Inc., The, New York, N. Y. Comic strips. Serial No. 453,533; Sept. 1. Class 38.

Brauer Bros. Shoe Company, St. Louis, Mo. Women's shoes. Serial No. 453,230; Sept. 1. Class 39.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard balls, cue tips, cue clamps, etc. Serial No. 453,359; Sept. 1. Class 22.

Bunn, George S., Sr., and George S. Bunn, Jr., doing business as Pulaski Candy & Grocery Company, assignor to Christiansburg Canning Company, of Pulaski, Va. Canned vegetables, canned spaghetti, canned pork and beans, etc. Serial No. 427,791; Sept. 1. Class 46.

Burton, F. D., Incorporated, Baltimore, Md. Anti-gray hair preparation for internal use. Serial No. 450,593; Sept. 1. Class 6.

California Marine Curing & Packing Co., Terminal Island, Calif. Canned fish. Serial No. 454,080; Sept. 1. Class 46.

Cal-Royal Co., Inc., New York, N. Y. Dried and desiccated fruits. Serial No. 453,505; Sept. 1. Class 46.

Castro, Anthony N., doing business as Castro & Son, Los Angeles, Calif. Fresh deciduous fruits and fresh vegetables. Serial No. 453,912; Sept. 1. Class 46.

Celotex Corporation, The, Chicago, Ill. Board form gypsum products. Serial No. 453,687; Sept. 1. Class 12.

Chisholm, Corydon S., New York, N. Y. Arm bands in the nature of brassards. Serial No. 452,415; Sept. 1. Class 40.

Christiansburg Canning Company. (See Bunn, George S., Sr., and George S., Jr.)

Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. Serial No. 451,671; Sept. 1. Class 4.

Collins, Ashton R., doing business as Reddy Kilowatt Service, Birmingham, Ala. Toy balloons, toy cut-out figures, and folding puzzles, etc. Serial No. 453,293; Sept. 1. Class 22.

Colt's Patent Fire Arms Manufacturing Company, Hartford Conn. Periodical publication. Serial No. 447,722; Sept. 1. Class 38.

Continental Motors Corporation, Detroit, Mich. Internal combustion engines, mechanical power plants, mechanical driving units, etc. Serial No. 444,527; Sept. 1. Class 23.

De Journo, Philip, Forest Hills, Long Island, N. Y. Jumping sticks. Serial No. 442,711; Sept. 1. Class 22.

Dobeckmun Company, The, Cleveland, Ohio. Homogeneous, coated, and laminated non-fibrous insulating films. Serial No. 453,634; Sept. 1. Class 21.

Edison, Ann L., New York, N. Y. Games, painting books, toy construction sets, etc. Serial No. 452,419; Sept. 1. Class 22.

Edison, Ann L., New York, N. Y. Men's, women's, and children's wearing apparel. Serial No. 452,420; Sept. 1. Class 39.

Esmond Mills, Inc., The, Village of Esmond, Town of Smithfield, R. I. Cotton fabrics in the piece. Serial No. 446,652; Sept. 1. Class 42.

Fawcett Publications, Inc., Greenwich, Conn. Periodical. Serial No. 454,168; Sept. 1. Class 38.

Floralife. (See Amling Company.)

Fort Pitt Chemical Company, Pittsburgh, Pa. Glazing compound. Serial No. 453,981; Sept. 1. Class 16.

Gaines Food Co. Inc., Sherburne, N. Y. Dog food. Serial No. 449,833; Sept. 1. Class 46.

Gaines Food Co. Inc., Sherburne, N. Y. Dog food. Serial No. 449,835; Sept. 1. Class 46.

Geigy Company, Inc., New York, N. Y. Dyestuffs, dyes, colouring matters, etc. Serial No. 453,440; Sept. 1. Class 6.

General Mills, Inc., Minneapolis, Minn. Flour. Serial No. 453,619; Sept. 1. Class 46.

Gernes Garment Co. Inc., The, Kansas City, Mo. Misses', ladies', and children's dresses, playsuits, skirts, etc. Serial Nos. 453,796–7; Sept. 1. Class 39.

Gold Seal Wax Co. (See Schafer, Harold L.)

Hamilton Manufacturing Company, Two Rivers, Wis., and Rahway, N. J. Physicians' and surgeons' tables, stools, stands, etc. Serial Nos. 454,252–3; Sept. 1. Class 44.

Haxton Canning Company, Inc., Oakfield, N. Y. Canned fruits and vegetables, frozen fruits, fresh vegetables, etc. Serial No. 419,423; Sept. 1. Class 46.

Heinn Company, The, Milwaukee, Wis. Loose-leaf binders. Serial No. 442,321; Sept. 1. Class 37.

Henry Publishing Co., New York, N. Y. Magazine. Serial No. 454,005; Sept. 1. Class 38.

Hollywood Fashions, Los Angeles, Calif. Ladies' outer garments. Serial No. 453,921; Sept. 1. Class 39.

Jack's, Baltimore, Md. Racing information or selection cards or sheets. Serial No. 453,332; Sept. 1. Class 38.

Jackson Brewing Company, New Orleans, La. Beer. Serial No. 453,755; Sept. 1. Class 48.

Kellogg Company, Battle Creek, Mich. Base metal kitchen and table hollow ware. Serial No. 453,168; Sept. 1. Class 12.

Kennecott Copper Corporation, New York, N. Y. Copper ingots and copper ingot bars. Serial No. 453,985; Sept. 1. Class 14.

Kulzer & Co. G. m. b. H., Frankfort-on-the-Main, Germany. Artificial teeth, dentures, crowns, bridges, etc. Serial No. 444,503; Sept. 1. Class 44.

Lavine, E. J., and Company, Philadelphia, Pa. Refractory plastics and refractory cements. Serial No. 453,962; Sept. 1. Class 12.

Lehn & Fink Products Corporation, Bloomfield, N. J. Face powder, lipstick, compact rouge and cream rouge. Serial No. 454,233; Sept. 1. Class 6.

Leonard, Robert S., Company, Kansas City, Mo. Milk bottle caps. Serial No. 450,857; Sept. 1. Class 50.

Lowe, E. S., Company, Inc., New York, N. Y. Bingo pads and cards. Serial No. 454,038; Sept. 1. Class 22.

May, J. L., Company, The, New York, N. Y. Tags, labels, and stationery item identifications. Serial No. 451,761; Sept. 1. Class 37.

Maybelline Co., Chicago, Ill. Eye liquid. Serial No. 443,774; Sept. 1. Class 6.

Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' shoes. Serial No. 453,553; Sept. 1. Class 39.

Musselman, C. H., Company, The, Biglerville, Pa. Canned apple sauce, apples, apple butter, etc. Serial No. 453,925; Sept. 1. Class 46.

National Bearing Metals Corporation, St. Louis, Mo. Partly finished non-ferrous castings. Serial No. 452,752; Sept. 1. Class 14.

Operative Plasterers' and Cement Finishers' International Ass'n of the United States and Canada, Middletown, Ohio. Periodicals. Serial No. 422,178; Sept. 1. Class 38.

Oster Manufacturing Company, The, Cleveland, Ohio. Thread-cutting tools, machines, and devices, die stocks, dies, etc. Serial No. 454,072; Sept. 1. Class 23.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Fabric cleaning compounds. Serial No. 453,641; Sept. 1. Class 4.

Pepsodent Co., The, Chicago, Ill. Antiseptics. Serial No. 454,177; Sept. 1. Class 6.

Pepsodent Co., The, Chicago, Ill. Dentifrices. Serial No. 454,178; Sept. 1. Class 6.

Perfect Boys Wash Suit Company, Inc., New York, N. Y. Loafer jackets, shorts, slacks, etc. Serial No. 450,114; Sept. 1. Class 39.

Periman, A. M., Inc., New York, N. Y. Textile fabrics in the piece, of rayons, silk, cotton, and combinations thereof. Serial No. 452,621; Sept. 1. Class 42.

Philadelphia Quartz Company, Philadelphia, Pa. Potassium silicate, either anhydrous, hydrous, etc. Serial No. 453,165; Sept. 1. Class 6.

Pickrel, Ray E., St. Louis, Mo. Mineral feed used in feeding animals and poultry. Serial No. 444,977; Sept. 1. Class 46.

Pulaski Candy & Grocery Company. (See Bunn, George S., Sr., and George S., Jr.)
Reddy Kilowatt Service. (See Collins, Ashton B.)
Respro Inc., Cranston, R. I. Calendered and/or extruded plastic composition. Serial No. 445,472; Sept. 1. Class 50.
Rhode Island Laboratories, Inc., West Warwick, R. I. Luminous paints, and pigments, lacquers, etc. Serial No. 450,450; Sept. 1. Class 16.
Schafer, Harold L., doing business as Gold Seal Wax Co., Bismarck, N. Dak. Wax. Serial No. 452,734; Sept. 1. Class 16.
Seal Sac Inc., New York, N. Y. Bowl covers. Serial No. 452,336; Sept. 1. Class 50.
Smith, H. E., Company, The, Newark, N. Y. Stencils. Serial No. 453,783; Sept. 1. Class 37.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Petroleum asphalt. Serial No. 452,876; Sept. 1. Class 12.
Standard Oil Company of New Jersey, Wilmington, Del. Refined, semi-refined, and unrefined oils and lubricating greases. Serial No. 453,522; Sept. 1. Class 15.
Stator Corporation, Providence, R. I. Beverage glasses. Serial No. 453,814; Sept. 1. Class 33.
Stephens, Nina, New York, N. Y. Breads, biscuits, cookies, etc. Serial No. 450,034; Sept. 1. Class 46.
Superba Cravats, Rochester, N. Y. Neckties. Serial No. 449,970; Sept. 1. Class 39.
Sutton Cosmetics, Inc., New York, N. Y. Body powders. Serial No. 452,896; Sept. 1. Class 6.
Sylvania Industrial Corporation, Fredericksburg, Va. Sodium sulfate. Serial No. 454,157; Sept. 1. Class 6.
Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Textile fabrics in the piece. Serial No. 443,348; Sept. 1. Class 50.
Tea Garden Products Co., San Francisco, Calif. Imitation maple syrup, jelly, and jams. Serial No. 453,815; Sept. 1. Class 46.
Transcontinental & Western Air, Inc., North Kansas City, Mo. Airplanes. Serial No. 453,864; Sept. 1. Class 19.
United States Gypsum Company, Chicago, Ill. Gypsum plaster. Serial No. 453,347; Sept. 1. Class 12.
United States Gypsum Company, Chicago, Ill. Vegetable fiber hardboards consolidated under heat and pressure. Serial No. 453,903; Sept. 1. Class 12.
Veneliff-Drayer Company, Baltimore, Md. Candies. Serial No. 453,934; Sept. 1. Class 46.
Wells Lamont Smith Corporation, Chicago, Ill. Work gloves. Serial No. 453,501; Sept. 1. Class 39.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Atmosphere correcting gas converters. Serial No. 453,350; Sept. 1. Class 34.
White, Charles K., Hamilton, Ohio. Preparation for tuberculosis. Serial No. 451,522; Sept. 1. Class 6.
Wilmington Chemical Corporation, Wilmington, Del. Viscous liquid or semi-liquid chemical raw material of unsaturated hydrocarbon nature. Serial No. 453,135; Sept. 1. Class 1.
Wilson, R. B., Brawley, Calif., and Phoenix, Ariz. Fresh vegetables and melons. Serial No. 453,960; Sept. 1. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Allied Press, Grand Rapids, Mich. Photographs. 397,310; Sept. 1; Serial No. 446,852; published June 23, 1942. Class 38.
American Insulator Company, to American Insulator Corporation, New Freedom, Pa., successor. Insulating composition materials. 159,796; renewed Oct. 10, 1942.
American Oil Company, Baltimore, Md. Gasoline, lubricating oils and greases. 397,326; Sept. 1; Serial No. 450,990; published June 16, 1942. Class 15.
American Public Power Association, Washington, D. C. Pamphlets, booklets, bulletins, etc. 397,349; Sept. 1, 1942; Serial No. 451,995; published June 23, 1942. Class 38.
American Thread Company, The, New York, N. Y. Cotton thread and cotton yarn. 163,007; renewed Jan. 2, 1943.
Anchor Paper Company, The, Cincinnati, Ohio. Wrapping paper. 163,704; renewed Jan. 23, 1943.
Anthony Nutype Company, Inc., assignor, by mesne assignments, to Lawrence R. Meekins, Baltimore, assignor, by mesne assignments, to Walter G. Gies Company, Crownsville, Md. Type cleaner. 158,883; renewed Sept. 19, 1942.
Armour and Company of Delaware. (See Stern, Joseph, & Sons, Inc., assignor.)
Avon Florida Citrus Corporation. (See Pittsburgh-Florida Fruit Growers Assoc., assignor.)
Axel Bros. Inc., New York, N. Y. Finger rings, bracelets, watch bracelets, and attachments, not including watches. 397,304; Sept. 1; Serial No. 442,158; published June 23, 1942. Class 28.
Barbour Brothers Co., The, Paterson, N. J., assignor to The Linen Thread Co., Inc., New York, N. Y. Lockstitch machine thread. 163,019; renewed Jan. 2, 1943.
Beach Publishing Company, Detroit, Mich. Traveler's expense book. 160,386; renewed Oct. 24, 1942.
Beacon Importing Company, Boston, Mass. Canned salmon. 397,323; Sept. 1; Serial No. 450,844; published June 23, 1942. Class 46.
Beech-Nut Packing Company, Canajoharie, N. Y. Bread. 163,276; renewed Jan. 9, 1943.
Bell, Dr., Medicine Company, The, Louisville, Ky., and New York, assignor to Dr. Bell Medicine Co., Inc., New York, N. Y. Medicinal preparations. 162,676; renewed Dec. 26, 1942.
Bird & Son, Inc., East Walpole, Mass. Floor covering. 397,363; Sept. 1; Serial No. 452,738; published June 23, 1942. Class 20.
Borden Company, The, New York, N. Y. Aqueous solutions of casein with added chemical ingredients. 397,327; Sept. 1; Serial No. 451,044; published June 23, 1942. Class 11.
Bramson Publishing Company, The, Detroit, Mich. Article appearing monthly in a trade magazine. 397,360; Sept. 1; Serial No. 452,600; published June 16, 1942. Class 38.
Bressler Editorial Cartoons, Inc., New York, N. Y. Posters. 397,371; Sept. 1; Serial No. 452,953; published June 23, 1942. Class 38.
Brockway Glass Company, Inc., Brockway, Pa. Glass bottles. 397,350; Sept. 1; Serial No. 452,575; published June 23, 1942. Class 33.
Buffalo Industrial Bank, Buffalo, N. Y. Printed forms and account cards. 397,308; Sept. 1; Serial No. 445,171; published June 23, 1942. Class 37.
California Co-Operative Canneries, San Jose, assignor to Tri-Valley Packing Association, San Francisco, Calif. Canned fruits and canned vegetables. 163,556; renewed Jan. 23, 1943.
California Corn Growers. (See Peck, Kenneth.)
Carlson, John, & Sons, Inc., Springfield, Mass. Ice skates, and shoes with ice skates attached thereto. 397,386; Sept. 1. Class 22.
Catalina Knitting Mills. (See Pacific Knitting Mills, Inc.)
Churchill & Alden Co., assignor, by mesne assignments, to Doyle Shoe Company, Inc., Brockton, Mass. Shoes and boots. 157,477; renewed Aug. 8, 1942.
Colonial Dames Beautifier Company, assignor, by mesne assignments, to Colonial Dames Company Ltd., Los Angeles, Calif. Beautifier (paste form) rouge, shampoo, etc. 157,907; renewed Aug. 22, 1942.
Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Firearms. 163,464; renewed Jan. 16, 1943.
Comic Magazines, Inc., Stamford, Conn. Publication. 397,373–4; Sept. 1. Class 38.
Companhia Antarctica Paulista, Sao Paulo, Brazil. Whiskies, brandies, gins, etc. 397,307; Sept. 1; Serial No. 445,113; published June 23, 1942. Class 49.
Companhia Antarctica Paulista, Sao Paulo, Brazil. Wines and aperitive wines. 397,314; Sept. 1; Serial No. 447,455; published June 23, 1942. Class 47.
Consolidated Outdoor Display Company, Fremont, Ohio. Reflecting letters for use in making highway advertising signs. 397,316; Sept. 1; Serial No. 448,446; published June 23, 1942. Class 50.
Cortland Line Company, Inc., Cortland, N. Y. Fishing lines. 160,429–32; renewed Oct. 24, 1942.
Cortland Line Company, Inc., Cortland, N. Y. Fishing lines. 160,159–60; renewed Oct. 17, 1942.
Cortland Line Company, Inc., Cortland N. Y. Fishing lines. 160,166; renewed Oct. 17, 1942.
Cortland Line Company, Inc., Cortland N. Y. Fishing lines. 160,426; renewed Oct. 24, 1942.
Cortland Line Company, Inc., Cortland N. Y. Fishing lines. 160,434; renewed Oct. 24, 1942.
Cortland Line Company, Inc., Cortland N. Y. Fishing lines. 161,103; renewed Nov. 7, 1942.
Crawford Manufacturing Co., Inc., Richmond, Va. Covers and recovers and accessories for automobiles. 163,045; renewed Jan. 2, 1943.
Creo-Dipt Company, Inc., North Tonawanda, N. Y. Stains. 163,301; renewed Jan. 9, 1943.
Crescent Bed Co. Ltd., New Orleans, La., by change of name Crescent Bed Company, Inc. Beds, cribs, bed springs, etc. 162,710; renewed Dec. 26, 1942.
Crown Luggage Co., Baltimore, Md. Luggage. 397,372; Sept. 1. Class 3.
Daniels, Claude H., Stamford, Conn. Arch supports, foot supports, cushions, and pads for shoes. 397,378; Sept. 1. Class 44.
Delapp and Company. (See Delapp, H. Earl.)
Delapp, H. Earl, doing business as Delapp and Company, Waseca, Minn. Cattle feed and poultry feed. 397,309; Sept. 1; Serial No. 446,076; published June 23, 1942. Class 46.
De Witt, E. C., & Co., Inc., New York, N. Y., and Chicago, to E. C. De Witt & Co. Inc., Chicago, Ill. Toilet and medicinal preparations. 163,307; renewed Jan. 9, 1942.

Doyle Shoe Company. (See Churchill & Alden Co., assignor.)
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Rubber squeegees. 397,338; Sept. 1; Serial No. 451,809; published June 23, 1942. Class 29.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Lubricating oil. 397,339; Sept. 1; Serial No. 451,814; published June 23, 1942. Class 15.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic prints. 397,362; Sept. 1; Serial No. 452,717; published June 16, 1942. Class 38.
Eckert Packing Company, to Eckert Packing Company, Inc., Henderson, Ky., successor. Ham. 162,732; renewed Dec. 26, 1942.
Electrographic Corporation, New York, N. Y. Thin metallic printing plates secured to curved rigid bases. 397,333; Sept. 1; Serial No. 451,431; published June 23, 1942. Class 50.
Elliott Paint & Varnish Co., Chicago, Ill. Ready mixed paints. 397,313; Sept. 1; Serial No. 447,391; published Dec. 9, 1941. Class 16.
Evangeline Refining Company, Jennings, La. Motor fuel oils. 397,329; Sept. 1; Serial No. 451,050; published June 23, 1942. Class 15.
Fairfacts Company, Inc., The, New York, N. Y. Bathroom fixtures. 162,070; renewed Dec. 5, 1942.
Firestone Tire & Rubber Company, Akron, Ohio. Polishing cloths. 397,367; Sept. 1; Serial No. 452,886; published June 16, 1942. Class 29.
Fleetwings, Incorporated, Bristol, Pa. Publication. 397,358; Sept. 1; Serial No. 452,498; published June 23, 1942. Class 38.
Flower of the Month Club Enterprises. (See Knapp, Clinton B.)
Folding Cycles Inc., New York, N. Y. Bicycles. 397,364; Sept. 1; Serial No. 452,802; published June 23, 1942. Class 19.
Franc, Strohmenger & Cowan, Inc., New York, assignor, by mesne assignment, to Franc, Strohmenger & Cowan, Inc., Troy, N. Y. Cravats and scarfs. 163,575; renewed Jan. 23, 1943.
Freedom Oil Company, Freedom, Pa. Lubricating oils and greases. No. 397,335; Sept. 1; Serial No. 451,746; published June 16, 1942. Class 15.
General Chemical Company, New York, N. Y. Paste cleanser suitable for cleaning painted surfaces. 397,337; Sept. 1; Serial No. 451,768; published June 23, 1942. Class 4.
General Mills, Inc. (See Red Star Milling Company, The, assignor.)
Gies, Walter G., Company. (See Anthony Nutype Company, assignor.)
Golden Gate Manufacturing Company. (See Matignon, Edmund C.)
Goodman, Abraham, doing business as Timely Publications, New York, N. Y. Comic strip series. 397,303; Sept. 1; Serial No. 435,757; published Nov. 19, 1940. Class 38.
Goodrich, B. F., Company, The. (See Hood Rubber Company, assignor.)
Gray Marine Motor Company, Detroit, Mich. Marine engines, parts, and auxiliary units, etc. 397,390; Sept. 1. Class 23.
Hammond Machinery Builders, Inc. (See Hill-Curtis Co.)
Harris, J. Berton, Traverse City, Mich. Candy confection. 397,381; Sept. 1. Class 46.
Hecht's Furniture House, Inc., Baltimore, Md. Household furniture. 397,387–8; Sept. 1. Class 32.
Hess, G. H., Inc. (See United Garment Company, The.)
Hill-Curtis Co., Kalamazoo, Mich., by change of name Hammond Machinery Builders, Inc. Sawing and trimming machines. 161,785; renewed Nov. 21, 1942.
Holman, A. J., Company, Philadelphia, Pa. Particular edition of the New Testament. 163,718; renewed Jan. 23, 1943.
Hood Rubber Company, Watertown, Mass., assignor, by mesne assignments, to The B. F. Goodrich Company, New York, N. Y., Rubber heels. 157,103; renewed July 25, 1942.
Horton, George F., doing business as Horton & Horton, Houston, Tex. Stock food. 163,583; renewed Jan. 23, 1943.
Hough Shade Corporation, Janesville, Wis. Shades. 162,271; renewed Dec. 12, 1942.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits, canned vegetables, and canned fish. 397,355; Sept. 1; Serial No. 452,323; published June 23, 1942. Class 46.
Hurty-Peck & Company, Indianapolis, Ind. Flavoring sirups. 157,522; renewed Aug. 8, 1942.
Independent Blue Print & Supply Company. (See Independent Music Publishers.)
Independent Blue Print & Supply Company, also doing business as Independent Music Publishers, New York, N. Y. Blue prints, photo-stats, photo-prints, etc. 397,320; Sept. 1; Serial No. 450,646; published June 23, 1942. Class 38.
Independent Music Publishers. (See Independent Blue Print & Supply Company.)
Independent Music Publishers, doing business as Independent Blue Print & Supply Company, New York, N. Y. Blue prints, photo-stats, photo-prints, etc. 397,321; Sept. 1; Serial No. 450,647; published June 23, 1942. Class 38.
International Paper Company, New York, N. Y. Printing paper. 397,311; Sept. 1; Serial No. 446,945; published June 23, 1942. Class 37.
International Paper Company, New York, N. Y. Writing and typewriting paper. 397,312; Sept. 1; Serial No. 446,946; published June 23, 1942. Class 37.
International Paper Company, New York, N. Y. Wrapping paper. 397,334; Sept. 1; Serial No. 451,534; June 23, 1942. Class 37.
Isbell, Vernon, Fort Worth, Tex. Permanent wave machines. 397,299; Sept. 1; Serial No. 411,781; June 23, 1942. Class 44.
Julliard, A. D., & Co., Inc. (See New York Mills Corporation, assignor.)
Karp, Max S., Los Angeles, Calif. Automobile burglar alarms. 397,350; Sept. 1; Serial No. 452,129; published June 23, 1942. Class 21.
Kayser, Julius, & Co., New York, N. Y. Stockings. 158,713–14; renewed Sept. 12, 1942.
Kelly, The R. A., Co., Xenia, Ohio. Rope and hard-fiber sisal and manila hemp cordage. 163,101; renewed Jan. 2, 1943.
Knapp, Clinton B., doing business as Flower of the Month Club Enterprises, Battle Creek, Mich. Coupons and certificates, sold as such. 397,300; Sept. 1; Serial No. 429,659; published June 23, 1942. Class 38.
Kofsky Bros., Inc., New York, N. Y. Fur skins. 397,315; Sept. 1; Serial No. 448,388; published June 23, 1942. Class 1.
Komo Chemical Co., Inc., Philadelphia, Pa. Chemical preparations. 160,900; renewed Oct. 31, 1942.
Kratt, George C., Jr., Nisswa, Minn. Lubricant. 397,351; Sept. 1; Serial No. 452,169; published June 23, 1942. Class 15.
Linen Thread Co., The. (See Barbour Brothers Co., The, assignor.)
Lowe, Joe, Corporation, New York, N. Y. Fruit flavoring concentrate. 397,301; Sept. 1; Serial No. 430,410; published June 23, 1942. Class 46.
Lunkenheimer Company, The, Cincinnati, Ohio. Machines and parts of machinery. 159,422; renewed Sept. 26, 1942.
Many, Blanc & Co., Inc., Chicago, Ill. Rums. 397,368; Sept. 1; Serial No. 452,910; published June 23, 1942. Class 49.
Mark Manufacturing Company, Chicago, Ill., assignor to The Youngstown Steel Products Company, Youngstown, Ohio. Cup leathers. 160,916; renewed Oct. 31, 1942.
Matier, Henry, & Company, Limited, Belfast, Northern Ireland. Linen piece goods, linen sheets, linen glass cloths, etc. 397,377; Sept. 1. Class 42.
Matignon, Edmond C., also doing business as Golden Gate Manufacturing Company, Oakland, Calif. Flower supporting racks. 397,384; Sept. 1. Class 2.
McDowell, Bert, Company, The, Sacramento, Calif. Canned fruits, vegetables, and fish; spices, table sirup, etc. 160,910; renewed Oct. 31, 1942.
Meekins, Lawrence R. (See Anthony Nutype Company, assignor.)
Merco Nordstrom Valve Company, Pittsburgh and Homewood; Pittsburgh, Pa. Lubricating greases. 397,342; Sept. 1; Serial No. 451,936; published June 23, 1942. Class 15.
Middleton, Ambrose, Mansfield, Ohio. Croup ointment. 157,363; renewed Aug. 1, 1942.
Mirrolike Mfg. Co., Long Island City, N. Y. Transmission grease, gear grease, lubricating oils, etc. 163,754; renewed Jan. 23, 1943.
Moore, Benjamin, & Co., Jersey City, N. J., and Brooklyn, N. Y., to Benjamin Moore & Co., Jersey City, N. J., and New York, N. Y. Varnish stain. 159,444; renewed Sept. 26, 1942.
Moore, Benjamin, & Co., Jersey City, N. J., and Brooklyn, N. Y., to Benjamin Moore & Co., Jersey City, N. J., and New York, N. Y. Wall finish. 161,565; renewed Nov. 14, 1942.
Moore, Benjamin, & Co., Jersey City, N. J., and Brooklyn, N. Y., to Benjamin Moore & Co., Jersey City, N. J., and New York, N. Y. Stains and finishes. 161,566; renewed Nov. 14, 1942.
Moore, Kenneth W., Chicago, Ill., assignor, by mesne assignments, to Nix Cosmetics Company, Memphis, Tenn. Deodorants. 158,497; renewed Sept. 5, 1942.
Morrow Milling Company, assignor to Morrow Milling Company, Carthage, Mo. Wheat flour. 163,003; renewed Jan. 23, 1943.
Nash, C. A., & Son, Inc., Norfolk, Va. Paints, varnishes, and floor wax. 163,756; renewed Jan. 23, 1943.
National Gypsum Company, Buffalo, N. Y. Building construction materials comprising rock wool. 397,347; Sept. 1; Serial No. 451,985; published June 23, 1942. Class 12.
National Gypsum Company, Buffalo, N. Y. Acoustical construction material. 397,348; Sept. 1; Serial No. 451,986; published June 23, 1942. Class 12.
National Silver Company, New York, N. Y. Ceramic dinnerware, cooking ware, vases, etc. 397,340; Sept. 1; Serial No. 451,874; published June 23, 1942. Class 30.
Nebraska City Cereal Mills, Nebraska City, Nebr., to The Quaker Oats Company, Chicago, Ill. Rolled oats, velvet meal, corn grits, etc. 22,212; re-renewed Dec. 20, 1942.
New York Mills Corporation, New York Mills, assignor to A. D. Juilliard & Co., Inc., New York, N. Y. Cotton piece goods. 163,378; renewed Jan. 9, 1943.

New York Welding Supply Co., Inc., New York, N. Y. Electrode holders. 397,376; Sept. 1. Class 21.
Nix Cosmetics Company. (See Moore, Kenneth W., assignor.)
Old English Fish & Chips Co., Los Angeles, Calif. Package containing fried fish and potato chips and prepared batter for the same. 397,380; Sept. 1. Class 46.
Orange-Crush Company, Chicago, Ill. Nonalcoholic, maltless beverages and concentrates and compounds for making the same. 162,330; renewed Dec. 12, 1942.
Ostberg, Ivan, doing business as Ostberg Seed Co., Chicago, Ill. Grass seed. 160,263; renewed Oct. 17, 1942.
Pacific Knitting Mills, Inc., Los Angeles, Calif., by change of name to Catalina Knitting Mills. Bathing suits and sweaters. 163,611; renewed Jan. 23, 1943.
Parfums Schiaparelli, Inc., New York, N. Y. Compressed cotton discs for use in bathing and washing. 397,317; Sept. 1; Serial No. 449,054; published June 16, 1942. Class 29.
Parfums Schiaparelli, Inc., New York, N. Y. Compressed cotton discs for use in bathing and washing. 397,318; Sept 1; Serial No. 449,058; published June 16, 1942. Class 29.
Parfums Schiaparelli, Inc., New York, N. Y. Compressed cotton discs for use in bathing and washing. 397,319; Sept. 1; Serial No. 449,385; published June 16, 1942. Class 29.
Parfums Schiaparelli, Inc., New York, N. Y. Compressed cotton discs for use in bathing and washing. 397,366; Sept. 1; Serial No. 452,868; published June 16, 1942. Class 29.
Patterson-Sargent Company, The, Cleveland, Ohio. Dry and ready-mixed paints, paint enamels, stains, etc. 397,379; Sept. 1. Class 16.
Peck, Kenneth, doing business as California Corn Growers, Coachella and Indio, Calif. Fresh vegetables. 397,385; Sept. 1. Class 46.
Penney, J. C., Company, Salt Lake City, Utah, and New York, assignor to J. C. Penney Company, New York, N. Y. Men's work shirts, boys' work shirts, boys' blouses, etc. 158,771; renewed Sept. 12, 1942.
Penney, J. C., Company, Salt Lake City, Utah, and New York, assignor to J. C. Penney Company, New York, N. Y. Corsets; women's underwear. 161,586; renewed Nov. 14, 1942.
Perfect Automatic Egg-Timer and Manufacturing Company, Chicago, Ill. Electrically operated and time controlled egg-boilers. 397,383; Sept. 1. Class 21.
Piedmont Cotton Mills, Egan, Ga. Cotton twine. 397,305; Sept. 1; Serial No. 442,208; published June 23, 1942. Class 7.
Pirrone Wineries, Inc., Garfield, N. J. Wines. 397,332; Sept. 1; Serial No. 451,318; published June 23, 1942. Class 47.
Pittsburgh-Florida Fruit Growers Assoc., assignor to Avon Florida Citrus Corporation, Avon Park, Fla. Citrus fruits. 160,623; renewed Oct. 24, 1942.
Potts, Horace T., Co., Philadelphia, Pa. Bar steel. 397,356; Sept. 1; Serial No. 452,332; published June 23, 1942. Class 14.
Quaker Oats Company, The. (See Nebraska City Cereal Mills, successor.)
Recorg Supply Corporation, Chicago, Ill. Canned vegetables, fruits, soups, evaporated milk, etc. 397,302; Sept. 1; Serial No. 431,326; published June 10, 1941. Class 46.
Red Star Milling Company, The, Wichita, Kans., assignor to General Mills, Inc., Minneapolis, Minn. Wheat flour. 162,871; renewed Dec. 26, 1942.
Reliance Devices Company, Inc., New York, N. Y. Swivel attachments. 397,306; Sept. 1; Serial No. 442,602; published June 23, 1942. Class 13.
Rubberhide Company, Boston, Mass., assignor to Rubberhide Company, Inc., Trenton, N. J. Boots and shoes. 157,195; renewed July 25, 1942.
Russell, W. A., & Co., Bridgeport, Conn. Radiator air valves. 397,365; Sept. 1; Serial No. 452,838; published June 23, 1942. Class 13.
Rutland Fire Clay Co., Rutland, Vt. Stove polish, metal polish, enamel cleaner, etc. 162,586 renewed Dec. 19, 1942.
Safe-T-Point Co., New York, N. Y. Desk spindles. 397,375; Sept. 1. Class 37.
Sanchez, Hipolito, doing business as Sanchez Winery, Cucamonga, Calif. Wines. 397,354; Sept. 1; Serial No. 452,204; published June 23, 1942. Class 47.
Schranck & Shaw Incorporated, Milwaukee, Wis. Liqueur. 397,330; Sept. 1; Serial No. 451,246; published June 16, 1942. Class 40.
Schuckl & Co., Inc., also doing business as Sunnyvale Packing Company, San Francisco, Calif. Fruits in glass and canned vegetables. 397,357; Sept. 1; Serial No. 452,461; published June 23, 1942. Class 46.
Schwartz, Adolph, New York, N. Y. Toy pistol holsters. 397,370; Sept. 1; Serial No. 452,930; published June 23, 1942. Class 22.
Schwarzenbach Huber Co., West Hoboken, N. J., and New York, to The Schwarzenbach Huber Company, New York, N. Y. Broad silks in the piece. 161,618; renewed Nov. 14, 1942.
Scintilla, by change of name Scintilla A.-G., (Scintilla S. A.) (Scintilla S. A. (Scintilla Ltd.), Solothurn, Switzerland. Measuring and scientific appliances. 161,980; renewed Nov. 28, 1942.
Scully Signal Company, Cambridge, Mass. Liquid level detecting alarm attachments for liquid supply line nozzles to warn operator when tank is full. 397,328; Sept. 1; Serial No. 451,058; published June 23, 1942. Class 26.
Sears, Roebuck and Co., Chicago, Ill. Billfolds. 397,369; Sept. 1; Serial No. 452,913; published June 23, 1942. Class 3.
Seneca Knitting Mills, Inc. (See Smith, Caleb, assignor.)
Sharp & Dohme, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Medicinal tonic. 158,085; renewed Aug. 22, 1942.
Sinclair Refining Company. (See Union Petroleum Company, assignor.)
Sitroux Company, Inc., The, New York, N. Y. Sanitary napkins. 397,382; Sept. 1. Class 44.
Smith, Caleb, doing business as Seneca Knitting Co., assignor, by mesne assignments, to Seneca Knitting Mills, Inc., Seneca Falls, N. Y. Socks. 163,624; renewed Jan. 23, 1943.
Stern, Joseph, & Sons, Inc., New York, N. Y., assignor, by mesne assignments, to Armour and Company of Delaware, Chicago, Ill. Packaged bacon. 162,903; renewed Dec. 26, 1942.
Strelinger, Chas. A., Co., The, Detroit, Mich. Lubricating oils and greases. 397,325; Sept. 1; Serial No. 450,946; published June 23, 1942. Class 15.
Sunlite Fruit Juices, Ltd., Hollywood, Calif. Canned fruit juices. 397,361; Sept. 1; Serial No. 452,625; published June 16, 1942. Class 46.
Sunnyvale Packing Company. (See Schuckl & Co., Inc.)
Theonett & Co. Inc., Chicago, Ill. Maltless, nonalcoholic beverage and sirups for the manufacture of the same. 157,217; renewed July 25, 1942.
Timely Publications. (See Goodman, Abraham.)
Tribune Company, Chicago, Ill. Series of cartoons. 397,352; Sept. 1; Serial No. 452,177; published June 23, 1942. Class 38.
Tri-Valley Packing Association. (See California Co-Operative Canneries, assignor.)
Turk, Lon B., doing business as Turk & Turk, Oklahoma City, Okla. Filling for sandwiches and buns, and sandwiches and buns containing said filling. 397,324; Sept. 1; Serial No. 450,924; published June 2, 1942. Class 46.
Union Petroleum Company, Philadelphia, Pa., assignor to Sinclair Refining Company, New York, N. Y. Petroleum jelly for medicinal and surgical purposes. 163,191; renewed Jan. 2, 1943.
United Garment Company, The, to G. H. Hess, Inc., Louisville, Ohio, successor. Children's dresses. 163,636; renewed Jan. 23, 1943.
United Press Associations, New York, N. Y. Printed press release. 397,343; Sept. 1; Serial No. 451,948; published June 23, 1942. Class 38.
United Press Associations, New York, N. Y. Printed press releases. 397,344; Sept. 1; Serial No. 451,949; published June 23, 1942. Class 38.
United Press Associations, New York, N. Y. Printed press releases. 397,345-6; Sept. 1; Serial Nos. 451,951-2; published June 23, 1942. Class 38.
United Profit-Sharing Corporation, New York, N. Y. Premium tokens and coupons. 163,766; renewed Jan. 23, 1943.
Urbana Wine Company, Inc., Urbana, N. Y. Vermouths. 397,322; Sept. 1; Serial No. 450,755; published June 23, 1942. Class 47.
Valley Fruit Company. (See Weir, Roy.)
Ward Baking Company, New York, N. Y. Cakes. 163,642; renewed Jan. 23, 1943.
Warren, S. D., Company, Boston, Mass. Printing paper. 163,731; renewed Jan. 23, 1943.
Weir, Roy, doing business as Valley Fruit Company, Pharr, Tex. Fresh vegetables. 397,389; Sept. 1. Class 46.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Gas converters for heat treating furnaces. 397,341; Sept. 1; Serial No. 451,920; published June 23, 1942. Class 34.
Williamson Candy Company, Chicago, Ill. Candy. 397,353; Sept. 1; Serial No. 452,179; published June 23, 1942. Class 46.
Wilson & Bennett Mfg. Company, Chicago, Ill. Galvanized black iron and sheet in iron shipping containers. 163,420; renewed Jan. 9, 1943.
Wrigley, Wm., Jr., Company, assignor to Wm. Wrigley Jr. Company, Chicago, Ill. Sugar-coated chewing gum. 159,593-9; renewed Sept. 26, 1942.
X-Pando Corporation, Long Island City, N. Y. Coating materials. 397,331; Sept. 1; Serial No. 451,252; published June 23, 1942. Class 12.
Youngstown Steel Products Company, The. (See Mark Manufacturing Company, assignor.)
Youth Associates Company, Minneapolis, Minn. Periodical. 397,336; Sept. 1; Serial No. 451,758; published June 23, 1942. Class 38.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Insulating composition materials. American Insulator Company. 159,796; renewed Oct. 10, 1942.
Seed, Grass. I. Ostberg. 160,263; renewed Oct. 17, 1942.
Skins, Fur. Kofsky Bros., Inc. 397,315; Sept. 1; Serial No. 448,388; published June 23, 1942.

CLASS 2

Galvanized black iron and sheet in iron shipping containers. Wilson & Bennett Mfg. Company. 163,420; renewed Jan. 9, 1943.
Racks, Flower supporting. E. C. Matignon. 397,384; Sept. 1.

CLASS 3

Billfolds. Sears, Roebuck and Co. 397,369; Sept. 1; Serial No. 452,913; published June 23, 1942.
Luggage. Crown Luggage Co. 397,372; Sept. 1.

CLASS 4

Cleaner, Type. Anthony Nutype Company. 158,883; renewed Sept. 19, 1942.
Cleanser suitable for cleaning painted surfaces, Paste. General Chemical Company. 397,337; Sept. 1; Serial No. 451,768; published June 23, 1942.
Polish, metal polish, enamel cleaner, etc., Stove. Rutland Fire Clay Co. 162,586; renewed Dec. 19, 1942.

CLASS 6

Beautifier (paste form), rouge, shampoo, etc. Colonial Dames Beautifier Company. 157,907; renewed Aug. 22, 1942.
Chemical preparations. Komo Chemical Co. 160,900; renewed Oct. 31, 1942.
Deodorants. K. W. Moore. 158,497; renewed Sept. 5, 1942.
Medicinal preparations. Dr. Bell Medicine Company. 162,676; renewed Dec. 26, 1942.
Medicinal tonic. Sharp & Dohme. 158,085; renewed Aug. 22, 1942.
Ointment, Croup. A. Middleton. 157,363; renewed Aug. 1, 1942.
Petroleum jelly for medicinal and surgical purposes. Union Petroleum Company. 163,191; renewed Jan. 2, 1943.
Toilet and medicinal preparations. E. C. De Witt & Co. 163,307; renewed Jan. 9, 1943.

CLASS 7

Rope and hard-fiber sisal and manila hemp cordage. R. A. Kelly Co. 163,101; renewed Jan. 2, 1943.
Twine, Cotton. Piedmont Cotton Mills. 397,305; Sept. 1; Serial No. 442,208; published June 23, 1942.

CLASS 9

Firearms. Colt's Patent Fire Arms Manufacturing Company. 163,464; renewed Jan. 16, 1943.

CLASS 11

Solutions of casein with added chemical ingredients, Aqueous. Borden Company. 397,327; Sept. 1; Serial No. 451,044; published June 23, 1942.

CLASS 12

Building construction materials comprising rock wool. National Gypsum Company. 397,347; Sept. 1; Serial No. 451,985; published June 23, 1942.
Coating materials. X-Pando Corporation. 397,331; Sept. 1; Serial No. 451,252; published June 23, 1942.
Construction material, Acoustical. National Gypsum Company. 397,348; Sept. 1; Serial No. 451,986; published June 23, 1942.

CLASS 13

Bathroom fixtures. Fairfacts Company, Inc. 162,070; renewed Dec. 5, 1942.
Swivel attachments. Reliance Devices Company. 397,306; Sept. 1; Serial No. 442,602; published June 23, 1942.
Valves, Radiator air. W. A. Russell & Co. 397,365; Sept. 1; Serial No. 452,838; published June 23, 1942.

CLASS 14

Steel, Bar. Horace T. Potts Co. 397,356; Sept. 1; Serial No. 452,332; published June 23, 1942.

CLASS 15

Gasoline, lubricating oils, and greases. American Oil Company. 397,320; Sept. 1; Serial No. 450,990; published June 16, 1942.
Grease, gear grease, lubricating oils, etc., Transmission. Mirrolike Mfg. Co. 163,754; renewed Jan. 23, 1943.
Greases, Lubricating. Merco Nordstrom Valve Company. 397,342; Sept. 1; Serial No. 451,936; published June 23, 1942.
Lubricant. G. C. Kratt, Jr. 397,351; Sept. 1; Serial No. 452,169; published June 23, 1942.
Oil, Lubricating. Eastman Kodak Company. 397,339; Sept. 1; Serial No. 451,814; published June 23, 1942.
Oils and greases, Lubricating. Freedom Oil Company. 397,335; Sept. 1; Serial No. 451,746; published June 16, 1942.
Oils and greases, Lubricating. Chas. A. Strelinger Co. 397,325; Sept. 1; Serial No. 450,946; published June 23, 1942.
Oils, Motor fuel. Evangeline Refining Company. 397,329; Sept. 1; Serial No. 451,050; published June 23, 1942.

CLASS 16

Dry and ready-mixed paints, paint enamels, stains, etc. Patterson-Sargent Company. 397,379; Sept. 1.
Finish, Wall. Benjamin Moore & Co. 161,565; renewed Nov. 14, 1942.
Paints, Ready mixed. Elliott Paint & Varnish Co. 397,313; Sept. 1; Serial No. 447,391; published Dec. 9, 1941.
Paints, varnishes, and floor wax. C. A. Nash & Son, Inc. 163,756; renewed Jan. 23, 1943.
Stain, Varnish. Benjamin Moore & Co. 159,444; renewed Sept. 26, 1942.
Stains. Creo-Dipt Company. 163,301; renewed Jan. 9, 1943.
Stains and finishes. Benjamin Moore & Co. 161,566; renewed Nov. 14, 1942.

CLASS 19

Bicycles. Folding Cycles Inc. 397,364; Sept. 1; Serial No. 452,802; published June 23, 1942.
Covers and recovers and accessories for automobiles. Crawford Manufacturing Co. 163,045; renewed Jan. 2, 1943.

CLASS 20

Covering, Floor. Bird & Son, Inc. 397,363; Sept. 1; Serial No. 452,738; published June 23, 1942.

CLASS 21

Alarms, Automobile burglar. M. S. Karp. 397,350; Sept. 1; Serial No. 452,129; published June 23, 1942.
Electrically operated and time controlled egg-boilers. Perfect Automatic Egg-Timer and Manufacturing Company. 397,383; Sept. 1.
Electrode holders. New York Welding Supply Co. Inc. 397,376; Sept. 1.

CLASS 22

Ice skates, and shoes with ice skates attached thereto. John Carlson & Sons, Inc. 397,386; Sept. 1.
Toy pistol holsters. A. Schwartz. 397,370; Sept. 1; Serial No. 452,930; published June 23, 1942.
Fishing lines. Cortland Line Company. 161,103; renewed Nov. 7, 1942.
Fishing lines. Cortland Line Company. 160,159–60; renewed Oct. 17, 1942.
Fishing lines. Cortland Line Company. 160,166; renewed Oct. 17, 1942.
Fishing lines. Cortland Line Company. 160,429–32; renewed Oct. 24, 1942.
Fishing lines. Cortland Line Company. 160,434; renewed Oct. 24, 1942.
Fishing lines. Cortland Line Company. 160,426; renewed Oct. 24, 1942.

CLASS 23

Machines and parts of machinery. Lunkenheimer Company. 159,422; renewed Sept. 26, 1942.
Machines, Sawing and trimming. Hill-Curtis Co. 161,785; renewed Nov. 21, 1942.
Marine engines, parts, and auxiliary units, etc. Gray Marine Motor Company. 397,390; Sept. 1.

CLASS 26

Appliances, Measuring and scientific. Scintilla. 161,980; renewed Nov. 28, 1942.
Detecting alarm attachments for liquid supply line nozzles to warn operator when tank is full, Liquid level. Scully Signal Company. 397,328; Sept. 1; Serial No. 451,058; published June 23, 1942.

CLASS 28

Finger rings, bracelets, watch bracelets, and attachments, not including watches. Axel Bros. Inc. 397,304; Sept. 1; Serial No. 442,158; published June 23, 1942.

CLASS 29

Cloths, Polishing. Firestone Tire & Rubber Company. 397,367; Sept. 1; Serial No. 452,886; published June 16, 1942.
Discs for use in bathing and washing, Compressed cotton. Parfums Schiaparelli, Inc. 397,317; Sept. 1; Serial No. 449,054; published June 16, 1942.

Discs for use in bathing and washing, Compressed cotton. Parfums Schiaparelli, Inc. 397,318; Sept. 1; Serial No. 449,058; published June 16, 1942.
Discs for use in bathing and washing, Compressed cotton. Parfums Schiaparelli, Inc. 397,366; Sept. 1; Serial No. 452,868; published June 16, 1942.
Discs for use in bathing and washing, Compressed cotton. Parfums Schiaparelli, Inc. 397,319; Sept. 1; Serial No. 449,385; published June 16, 1942.
Squeegees, Rubber. Eastman Kodak Company. 397,334; Sept. 1; Serial No. 451,809; published June 23, 1942.

CLASS 30

Ceramic dinnerware, cooking ware, vases, etc. National Silver Company. 397,340; Sept. 1; Serial No. 451,874; published June 23, 1942.

CLASS 32

Beds, cribs, bed springs, etc. Crescent Bed Co. Ltd. 162,710; renewed Dec. 26, 1942.
Furniture, Household. Hecht's Furniture House, Inc. 397,387–8; Sept. 1.
Shades. Hough Shade Corporation. 162,271; renewed Dec. 12, 1942.

CLASS 33

Bottles, Glass. Brockway Glass Company. 397,359; Sept. 1; Serial No. 452,575; published June 23, 1942.

CLASS 34

Gas converters for heat treating furnaces. Westinghouse Electric & Manufacturing Company. 397,341; Sept. 1; Serial No. 451,920; published June 23, 1942.

CLASS 35

Leathers, Cup. Mark Manufacturing Company. 160,916; renewed Oct. 31, 1942.

CLASS 37

Book, Traveler's expense. Beach Publishing Company. 160,386; renewed Oct. 24, 1942.
Desk spindles. Safe-T-Point Co. 397,375; Sept. 1.
Forms and account cards, Printed. Buffalo Industrial Bank. 397,308; Sept. 1; Serial No. 445,171; published June 23, 1942.
Paper, Printing. International Paper Company. 397,311; Sept. 1; Serial No. 446,945; published June 23, 1942.
Paper, Printing. S. D. Warren Company. 163,731; renewed Jan. 23, 1943.
Paper, Wrapping. Anchor Paper Company. 163,704; renewed Jan. 23, 1943.
Paper, Wrapping. International Paper Company. 397,334; Sept. 1; Serial No. 451,535; published Jan. 23, 1942.
Paper, Writing and typewriting. International Paper Company. 397,312; Sept. 1; Serial No. 446,946; published June 23, 1942.

CLASS 38

Article appearing monthly in a trade magazine. Bramson Publishing Company. 397,360; Sept. 1; Serial No. 452,600; published June 16, 1942.
Blue prints, photo-stats, photo-prints, etc. Independent Music Publishers. 397,321; Sept. 1; Serial No. 450,647; published June 23, 1942.
Cartoons, Series of. Tribune Company. 397,352; Sept. 1; Serial No. 452,177; published June 23, 1942.
Comic strip series. A. Goodman. 397,303; Sept. 1; Serial No. 435,757; published Nov. 19, 1940.
Coupons and certificates, sold as such. C. B. Knapp. 397,300; Sept. 1; Serial No. 429,650; published June 23, 1942.
Edition of the New Testament, Particular. A. J. Holman Company. 163,718; renewed Jan. 23, 1943.
Pamphlets, booklets, bulletins, etc. American Public Power Association. 397,349; Sept. 1; Serial No. 451,995; published June 23, 1942.
Periodical, Youth Associates Company. 397,336; Sept. 1; Serial No. 451,758; published June 23, 1942.
Photographs. Allied Press. 397,310; Sept. 1; Serial No. 446,852; published June 23, 1942.
Posters. Bressler Editorial Cartoons, Inc. 397,371; Sept. 1; Serial No. 452,953; published June 23, 1942.
Printed press release. United Press Associations. 397,343; Sept. 1; Serial No. 451,948; published June 23, 1942.
Printed press releases. United Press Associations. 397,344; Sept. 1; Serial No. 451,949; published June 23, 1942.
Printed press releases. United Press Associations. 397,345–6; Sept. 1; Serial Nos. 451,951–2; published June 23, 1942.
Prints, Photographic. Eastman Kodak Company. 397,362; Sept. 1; Serial No. 452,717; published June 16, 1942.
Prints, photo-stats, photoprints, etc., Blue. Independent Blue Print & Supply Company. 397,320; Sept. 1; Serial No. 450,646; published June 23, 1942.
Publication. Comic Magazines, Inc. 397,373–4; Sept. 1.
Publication. Fleetwings, Incorporated. 397,358; Sept. 1; Serial No. 452,498; published June 23, 1942.
Tokens and coupons, Premium. United Profit-Sharing Corporation. 163,766; renewed Jan. 23, 1943.

CLASS 39

Boots and shoes. Rubberhide Company. 157,195; renewed July 25, 1942.
Corsets; women's underwear. J. C. Penney Company. 161,586; renewed Nov. 14, 1942.
Cravats and scarfs. Franc Strohmenger & Cowan, Inc. 163,575; renewed Jan. 23, 1943.
Dresses, Children's. United Garment Company. 163,636; renewed Jan. 23, 1943.
Heels, Rubber. Hood Rubber Company. 157,103; renewed July 25, 1942.
Shirts, boys' work shirts, boys' blouses, etc., Men's work. J. C. Penney Company. 158,771; renewed Sept. 12, 1942.
Shoes and boots. Churchill & Alden Co. 157,477; renewed Aug. 8, 1942.
Socks. C. Smith. 163,624; renewed Jan. 23, 1943.
Stockings. Julius Kayser & Co. 158,713–14; renewed Sept. 12, 1942.
Suits and sweaters, Bathing. Pacific Knitting Mills, Inc. 163,611; renewed Jan. 23, 1943.

CLASS 42

Linen piece goods, linen sheets, linen glass cloths, etc. Henry Matler & Company, Limited. 397,377; Sept. 1.
Silks in the piece, Broad. Schwarzenbach Huber Co. 161,618; renewed Nov. 14, 1942.

CLASS 43

Cotton piece goods. New York Mills Corporation. 163,378; renewed Jan. 9, 1943.
Thread and cotton yarn, Cotton. American Thread Company. 163,007; renewed Jan. 2, 1943.
Thread, Lock-stitch machine. Barbour Brothers Co. 163,019; renewed Jan. 2, 1943.

CLASS 44

Arch supports, foot supports, cushions, and pads for shoes. C. H. Daniels. 397,378; Sept. 1.
Sanitary napkins. Sitroux Company, Inc. 397,382; Sept. 1.
Wave machines, Permanent. V. Isbell. 397,299; Sept. 1; Serial No. 411,781; published June 23, 1942.

CLASS 45

Beverages and concentrates and compounds for making the same, Nonalcoholic, maltless. Orange-Crush Company. 162,330; renewed Dec. 12, 1942.
Beverage and sirups for the manufacture of the same, Maltless, nonalcoholic. Theonett & Co. Inc. 157,217; renewed July 25, 1942.
Sirups, Flavoring. Hurty-Peck & Company. 157,522; renewed Aug. 8, 1942.

CLASS 46

Bacon, Packaged. Joseph Stern & Sons, Inc. 162,903; renewed Dec. 26, 1942.
Bread. Beech-nut Packing Company. 163,276; renewed Jan. 9, 1943.
Cakes. Ward Baking Company. 163,642; renewed Jan. 23, 1943.
Candy. Williamson Candy Company. 397,353; Sept. 1; Serial No. 452,179; published June 23, 1942.
Canned fruits and canned vegetables. California Co-Operative Canneries. 163,556; renewed Jan. 23, 1943.
Canned fruits, canned vegetables, and canned fish. Hunt Brothers Packing Company. 397,355; Sept. 1; Serial No. 452,323; published June 23, 1942.
Canned fruit juices. Sunlite Fruit Juices, Ltd. 397,361; Sept. 1; Serial No. 452,625; published June 16, 1942.
Canned fruits, vegetables, and fish; spices, table sirup, etc. Bert McDowell Company. 160,910; renewed Oct 31, 1942.
Canned salmon. Beacon Importing Company. 397,323; Sept. 1; Serial No. 450,844; published June 23, 1942.
Canned vegetables, fruits, soups, evaporated milk, etc. Recorg Supply Corporation. 397,302; Sept. 1; Serial No. 431,326; published June 10, 1941.
Confection, Candy. J. Berton Harris. 397,381; Sept. 1.
Feed, Cattle and poultry. H. Earl Delapp. 397,309; Sept. 1; Serial No. 446,076; published June 23, 1942.
Filling for sandwiches and buns, and sandwiches and buns containing said filling. L. B. Turk. 397,328; Sept. 1; Serial No. 450,924; published June 2, 1942.
Flour, Wheat. Morrow Milling Company. 163,603; renewed Jan. 23, 1943.
Flour, Wheat. Red Star Milling Company. 162,871; renewed Dec. 26, 1942.
Food, Stock. G. F. Horton. 163,583; renewed Jan. 23, 1943.
Fresh vegetables. K. Peck. 397,385; Sept. 1.
Fruit flavoring concentrate. Joe Lowe Corporation. 397,301; Sept. 1; Serial No. 430,410; published June 23, 1942.
Fruits, Citrus. Pittsburgh-Florida Fruit Growers Assoc. 160,623; renewed Oct. 24, 1942.
Fruits in glass and canned vegetables. Schuckl & Co. 397,357; Sept. 1; Serial No. 452,461; published June 23, 1942.
Gum, Sugar-coated chewing. Wm. Wrigley Jr. Company 159,598–9; renewed Sept. 26, 1942.

Ham. Eckert Packing Company. 162,732; renewed Dec. 26, 1942.
Oats, velvet meal, corn grits, etc., Rolled. Nebraska City Cereal Mills. 22,212; re-renewed Dec. 20, 1942.
Package containing fried fish and potato chips and prepared batter for the same. Old English Fish & Chips Co. 397,380; Sept. 1.
Vegetables, Fresh. R. Weir. 397,389; Sept. 1.

CLASS 47

Vermouths. Urbana Wine Company. 397,322; Sept. 1; Serial No. 450,755; published June 23, 1942.
Wines. Pirrone Wineries, Inc. 397,332; Sept. 1; Serial No. 451,318; published June 23, 1942.
Wines. H. Sanchez. 397,354; Sept. 1; Serial No. 452,204; published June 23, 1942.
Wines and aperitive wines. Companhia Antarctica Paulista. 397,314; Sept. 1; Serial No. 447,455; published June 23, 1942.

CLASS 49

Liqueur. Schranck & Shaw Incorporated. 397,330; Sept. 1; Serial No. 451,246; published June 16, 1942.
Rums. Many, Blanc & Co. 397,368; Sept. 1; Serial No. 452,910; published June 23, 1942.
Whiskies, brandies, gins, etc. Companhia Antarctica Paulista. 397,307; Sept. 1; Serial No. 445,118; published June 23, 1942.

CLASS 50

Metallic printing plates secured to curved rigid bases, Thin. Electrographic Corporation. 397,333; Sept. 1; Serial No. 451,431; published June 23, 1942.
Reflecting letters for use in making highway advertising signs. Consolidated Outdoor Display Company. 397,316; Sept. 1; Serial No. 448,446; published June 23, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF SEPTEMBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bethlehem Steel Company. (See Hammeren, Hans, assignor.)

Cleveland Hobbing Machine Company, The. (See Staples, Otis E., assignor.)

Deere & Company. (See Paul, Talbert W., assignor.)

Hamilton, William S. H., Larchmont, N. Y., assignor to The New York Central Railroad Company. Electric light and power system. Re. 22,168; Sept. 1.

Hammeren, Hans, Bethlehem, Pa., assignor to Bethlehem Steel Company. Floating roof seal. Re. 22,169; Sept. 1.

Kronberg, Ninni M., Rydsgard, assignor to Svenska Mjolkprodukter Aktiebolag, Stockholm, Sweden. Preparing dried milk. Re. 22,170; Sept. 1.

New York Central Railroad Company, The. (See Hamilton, William S. H., assignor.)

Paul, Talbert W., assignor to Deere & Company, Moline, Ill. Mower. Re. 22,171; Sept. 1.

Rose, George H., Cleveland Heights, Ohio. Apparatus for unreeling bundles of coiled wire and the like. Re. 22,172; Sept. 1.

Staples, Otis E., Euclid, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio. Hobbing gears. Re. 22,173; Sept. 1.

Svenska Mjolkprodukter Aktiebolag. (See Kronberg, Ninni M., assignor.)

LIST OF PLANT PATENTEES

Gammage, Walter W. (See Napier, Dorothy A. L., assignor.)

Napier, Dorothy A. L., Taunton, England, assignor to W. W. Gammage, London, Ontario, Canada. Carnation plant. 544; Sept. 1.

LIST OF DESIGN PATENTEES

Anderson, Belle, Chicago, Ill. Pin or similar article. 133,652; Sept. 1.

Arnoff, Herman, New York, N. Y. Arctic overshoe. 133,638; Sept. 1.

Bach, Walter H., assignor to E. M. Berndt Corporation, Los Angeles, Calif. Motion picture camera motor-drive casing. 133,626; Sept. 1.

Bach, Walter H., assignor to E. M. Berndt Corporation, Los Angeles, Calif. Motion picture camera-enclosure casing. 133,627; Sept. 1.

Baer, Max, New York, N. Y. Muff. 133,660; Sept. 1.

Balboa, Mabel W., Woodside, N. Y. Glove. 133,661; Sept. 1.

Balboa, Mabel W., Woodside, N. Y. Glove. 133,662; Sept. 1.

Beason, Perle E., Springfield, Ohio. Vehicle tax stamp holder or the like. 133,663; Sept. 1.

Beispel, Herman, New York, N. Y. Dress or similar article. 133,621; Sept. 1.

Beispel, Herman, New York, N. Y. Dress or similar article. 133,622; Sept. 1.

Beispel, Herman, New York, N. Y. Dress or similar article. 133,628; Sept. 1.

Beispel, Herman, New York, N. Y. Dress or similar article. 133,629; Sept. 1.

Beispel, Herman, New York, N. Y. Dress or similar article. 133,630; Sept. 1.

Beispel, Herman, New York, N. Y. Dress or similar article. 133,631; Sept. 1.

Berndt, E. M., Corporation. (See Bach, Walter H., assignor.)

Bingham, George H., Jr., Lincoln, assignor to Cambridge Rubber Co., Cambridge, Mass. Rubber boot. 133,632; Sept. 1.

Black, Thelma J., Dallas, Tex. Venetian blind. 133,609; Sept. 1.

Borgeat, Denis, Montreal, Quebec, Canada. Rotary toothbrush. 133,610; Sept. 1.

Bowen, Phil C., Kansas City, Mo. Garment measuring board. 133,611; Sept. 1.

Brazie, E. R. (See Kelly, J. C., and Brazie.)

Buckner, Anthony J., Jackson Heights, assignor to Grosfeld House, Inc., New York, N. Y. Chest or similar article. 133,612; Sept. 1.

Buckner, Anthony J., Jackson Heights, N. Y. Sofa. 133,613; Sept. 1.

Bulbulian, Arthur H., Rochester, Minn. Combined oxygen mask and rebreathing bag or similar article. 133,608; Sept. 1.

Cambridge Rubber Co. (See Bingham, George H., Jr., assignor.)

Carpenter, Herbert W., Wichita Falls, Tex. Pillow top or the like. 133,653; Sept. 1.

Chamberlin, Paul H., Armada, Mich. Game board. 133,614; Sept. 1.

Coakley, John F., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Battery selector. 133,639; Sept. 1.

Cohn & Rosenberger, Inc. (See Katz, Adolph, assignor.)

Cole, Harold E., Taunton, Mass. Advertising sign or similar article. 133,640; Sept. 1.

Copeland, Raymond W. and L. D. R., Moraga, Calif. Acrobatic apparatus. 133,615; Sept. 1.

Copeland, Lela D. R. (See Copeland, Raymond W. and L. D. R.)

De Nicola, Jerry, Bronx, N. Y. Decorative fabric or similar article. 133,654; Sept. 1.

Edison, Thomas A., Incorporated. (See Coakley, John F., assignor.)

Evans, Etta, New York, N. Y. Dress. 133,674; Sept. 1.

Fairbanks, Morse & Co. (See Vogel, E. A., assignor.)

Fairchild, Edwin E., Los Angeles, Calif. Marksmanship apparatus. 133,664; Sept. 1.

Ferer, Kay, Inc. (See Norton, Marjorie, assignor.)

Freedman, Richard, New York, N. Y. Merchandise shelf display device. 133,616; Sept. 1.

Frumkes, Herbert M., Lawrence, N. Y. Coat. 133,623; Sept. 1.

Fuksa, Alfred F., assignor to W. W. Welch, Cincinnati, Ohio. Combined fan stand and fan. 133,665; Sept. 1.

Goldfield, Edwin R., University Heights, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray tube head. 133,666; Sept. 1.

Grosfeld House, Inc. (See Buckner, Anthony J., assignor.)

Haase, Leo G., Pasadena, Calif. Sun's ray demonstrator. 133,617; Sept. 1.

Halpern, Raymond, New York, N. Y. Negligee. 133,675; Sept. 1.

Heuer, Louis, Jeffersonville, Ind. Tent stove. 133,633; Sept. 1.

High, Vernon L., assignor to Micro Switch Corporation, Freeport, Ill. Switch contact. 133,641; Sept. 1.

Hoffmann, Boje, New York, N. Y. Dress. 133,676; Sept. 1.

Hoffmann, Boje, New York, N. Y. Coat. 133,677; Sept. 1.

Hollander, Harold, New York, N. Y. Table or the like. 133,624; Sept. 1.

Hollander, Harold, New York, N. Y. Chair or the like. 133,625; Sept. 1.

Huzzard, Robert W., assignor of two-thirds to G. H. Whiteley, III, York, Pa. Airplane. 133,634; Sept. 1.

Huzzard, Robert W., assignor of two-thirds to G. H. Whiteley, III, York, Pa. Airplane. 133,635; Sept. 1.

Huzzard, Robert W., assignor of two-thirds to G. H. Whiteley, III, York, Pa. Amphibian plane. 133,667; Sept. 1.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,668; Sept. 1.

Keller, Bernard, New York, N. Y. Dress. 133,678; Sept. 1.
Kelly, John C., and E. R. Brazle, Owosso, Mich. Combined paint receptacle holder and stirrer. 133,618; Sept. 1.
Krawitz, Max, Brooklyn, N. Y. Scarf or similar article. 133,637; Sept. 1.
Krawitz, Max, Brooklyn, N. Y. Scarf or similar article. 133,655; Sept. 1.
Krieger, Herman, Brooklyn, N. Y. Embroidered trimming. 133,656; Sept. 1.
Levy, Herman B., New York, N. Y. Slip. 133,669; Sept. 1.
McIntosh, Frank, New York, N. Y. Shaving bowl or the like. 133,636; Sept. 1.
Metz, Richard E., Lancaster, Pa. Airplane. 133,670; Sept. 1.
Meyers, Louis G., New York, N. Y. Bracelet link. 133,657; Sept. 1.
Micro Switch Corporation. (See High, Vernon L., assignor.)
Minta, Rose, Los Angeles, Calif. Relaxing chair. 133,642; Sept. 1.
Neff, Wallace, Los Angeles, Calif. Dwelling. 133,658; Sept. 1.
Norton, Marjorie, assignor to Kay Ferer, Inc., St. Louis, Mo. Dress. 133,679; Sept. 1.
Norton, Marjorie, assignor to Kay Ferer, Inc., St. Louis, Mo. Dress. 133,680; Sept. 1.
Norton, Marjorie, assignor to Kay Ferer, Inc., St. Louis, Mo. Dress. 133,681; Sept. 1.
Norton, Marjorie, assignor to Kay Ferer, Inc., St. Louis, Mo. Dress. 133,682; Sept. 1.
Norton, Marjorie, assignor to Kay Ferer, Inc., St. Louis, Mo. Dress. 133,683; Sept. 1.
O'Neil, James R., San Francisco, Calif. Block puzzle or similar article. 133,619; Sept. 1.
Picker X-Ray Corporation Waite Manufacturing Division, Inc. (See Goldfield, Edwin R., assignor.)
Pyramid Rubber Company, The. (See Simmons, Elta, assignor.)
Remington Rand Inc. (See Thompson, Russell G., assignor.)
Richards, Julia, New York, N. Y. Dress. 133,684; Sept. 1.
Simmons, Elta, Akron, assignor to The Pyramid Rubber Company, Ravenna, Ohio. Bottle closure. 133,643; Sept. 1.
Solash, Max, Linden, N. J. Hat. 133,659; Sept. 1.
Stahl, Harold H., New York, N. Y. Dress. 133,685; Sept. 1.
Sutcliffe, Harry L., New York, N. Y. Shoe. 133,644; Sept. 1.
Sutcliffe, Harry L., New York, N. Y. Shoe. 133,645; Sept. 1.
Sutcliffe, Harry L., New York, N. Y. Shoe. 133,646; Sept. 1.
Sutcliffe, Harry L., New York, N. Y. Shoe. 133,647; Sept. 1.
Sutcliffe, Harry L., New York, N. Y. Shoe. 133,648; Sept. 1.
Sutcliffe, Harry L., New York, N. Y. Shoe. 133,649; Sept. 1.
Thompson, Russell G., Elmira, assignor to Remington Rand Inc., Buffalo, N. Y. Typewriting machine. 133,620; Sept. 1.
Vogel, Edward A., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto of flange mounting type. 133,650; Sept. 1.
Vogel, Edward A., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto of base mounting type. 133,651; Sept. 1.
Welch, William W. (See Fukal, Alfred F., assignor.)
Whiteley, George H., III. (See Huzzard, Robert W., assignor.)
Wilde, Hans W., Cliffside Park, N. J. Needle-point woven textile fabric or similar article. 133,671; Sept. 1.
Wilde, Hans W., Cliffside Park, N. J. Needle-point woven textile fabric or similar article. 133,672; Sept. 1.
Wilde, Hans W., Cliffside Park, N. J. Needle-point woven textile fabric or similar article. 133,673; Sept. 1.
Zahn, Samuel, New York, N. Y. Dress. 133,686; Sept. 1.
Zahn, Samuel, New York, N. Y. Dress. 133,687; Sept. 1.
Zahn, Samuel, New York, N. Y. Dress. 133,688; Sept. 1.
Zahn, Samuel, New York, N. Y. Dress. 133,689; Sept. 1.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF SEPTEMBER, 1942

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aber, Charles A., Marshall, Tex. Pecan crushing device. 2,294,358; Sept. 1.
Abbott Laboratories. (See Ravenscroft, E. A., and Flint, assignors.)
Accurate Parts Manufacturing Company, The. (See Tower, Elmer V. J., assignor.)
Acme Steel Company. (See Wilson, Allen B., assignor.)
Acme Wringers Limited. (See Burt, John W., assignor.)
Adel Precision Products Corp. (See Van der Werff, Jacob B., assignor.)
Advance Aluminum Castings Corp. (See Grundstrom, Erik G., assignor.)
Aetna Standard Engineering Company, The. (See Matteson, E. A., and Bowman, assignors.)
Aikman, Burton S. (See Hewitt, E. E., and Aikman.)
Aktiebolaget Swedish Artid. (See Frankenthal, O., and Lederer, assignors.)
Albree, George N., Winchester, Mass. Cartridge. 2,294,822; Sept. 1.
Alien Property Custodian, The. (See Maul, Michael.)
Alien Property Custodian, The. (See Steffen, Erich.)
Alien Property Custodian, The. (See von Paszlezky, Gedeon.)
Alexander, Albert M., assignor to L. M. Alexander, New York, N. Y. Neckwear. (2,294,857; Sept. 1.
Alexander, Louise M. (See Alexander, Albert M., assignor.)
Allen, Clarence E., and J. F. Pagendarm, San Francisco, Calif., said Pagendarm assignor to said Allen. Tilting head device. 2,294,437; Sept. 1.
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,294,438; Sept. 1.
Allen, Ralph L. (See Gardner, R. M., and Allen.)
Allen, Scott E., Verona, assignor to C-O-Two Fire Equipment Company, Newark, N. J. High pressure fluid container. 2,294,858; Sept. 1.
Alliance Manufacturing Company. (See Schneider, Emmor V., assignor.)
Allis-Chalmers Manufacturing Company. (See Bush, Fred W., assignor.)
Allmanna Svenska Elektriska Aktiebolaget. (See Klessling, C., Garde, and Haglof, assignors.)
Allover Manufacturing Co. (See Boerger, Julius W., assignor.)
Alloy Processes Limited. (See Gentil, Henri L., assignor.)
Alox Corporation. (See Burwell, Arthur W., assignor.)
American Bemberg Corporation. (See Sellner, Erich, assignor.)
American Can Company. (See Erne, Charles H., assignor.)
American Can Company. (See Murch, John H., assignor.)
American Can Company. (See Place, Walter R., assignor.)
American Can Company. (See Reid, John G., assignor.)
American Coach & Body Company, The. (See Larsen, N. P., and Troche, assignors.)
American Cyanamid Company. (See West, Herbert J., assignor.)
American Hard Rubber Company. (See King, H. D., and Durant, assignors.)
American Radiator & Standard Sanitary Corporation. (See Boyd, R. C., Roach, and McNeal, assignors.)
Amertype Recordgraph Corporation. (See Steed, Edgar L., assignor.)
American Steel and Wire Company of New Jersey, The. (See Harris, Arch W., assignor.)
American Steel and Wire Company of New Jersey, The. (See Harter, Noah S., assignor.)
American Viscose Corporation. (See Wedler, Frederick C., assignor.)
Ames, John S., Oakdale, assignor of one-half to L. H. Brown, Salida, Calif. Rotary pump. 2,294,647; Sept. 1.
Anderson, Clarence T. (See Dean, R. S., and Anderson.)
Andres, William J., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Gear shifting mechanism. 2,294,823; Sept. 1.
Andrews, Thomas C., Richmond, Va. Compressed air actuating means for notching cards. 2,294,370; Sept. 1.
Andrews, Thomas C., Richmond, Va. Vacuum actuating means for serial numbering and notching cards. 2,294,371; Sept. 1.
Ansel, Gerhard, and J. C. McDonald, assignors to The Dow Chemical Company, Midland, Mich. Rolling magnesium-base alloys. 2,294,648; Sept. 1.
Applebaum, David, Los Angeles, Calif. Electronic emission device. 2,294,533; Sept. 1.
Arco Company, The. (See Hexter, P. L., and Shepheard, assignors.)
Associated Electric Laboratories Inc. (See Hadfield, Bertram M., assignor.)
Bagley, Glen D., Lewiston, N. Y., assignor to The Linde Air Products Company. Method of and apparatus for welding. 2,294,439; Sept. 1.
Bagpak, Inc. (See Currier, Andrew E., assignor.)
Bailey, Jessie M., Los Angeles, Calif. Head and face protector. 2,294,593; Sept. 1.
Bailey Meter Company. (See Junkins, Raymond D., assignor.)
Baird, Dudley. (See De Long, C. A., Baird, and Connolly.)
Baker, Benjamin P., Turtle Creek, and R. C. Cunningham, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,294,824; Sept. 1.
Baker, Leonard, Hillsdale, N. J., assignor to Dexter Folder Company, Pearl River, N. Y. Method of and apparatus for handling sheets. 2,294,649; Sept. 1.
Bambenek, Joseph B. (See Peck, Chester E., assignor.)
Barber-Coleman Company. (See Colman, Howard D., assignor.)
Barker, Eros V., assignor to The Ohio Cultivator Company, Bellevue, Ohio. Baling. 2,294,440; Sept. 1.
Barnett, Bacyl W., O'Brien, Tex. Window lock. 2,294,708; Sept. 1.
Barton, Loy E., Collingswood, N. J., assignor to Radio Corporation of America. Phase modulation. 2,294,372; Sept. 1.
Bassett, Robert S., Buffalo, N. Y. Liquid meter. 2,294,825; Sept. 1.
Batchell, George W., Toledo, Ohio. Forming batch bodies. 2,294,373; Sept. 1.
Bates, Albert H. (See Roberts, Fred T., assignor.)
Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Reduction of nitrates. 2,294,374; Sept. 1.
Bechmann, Hans, Berlin-Charlottenburg, J. Förster, Berlin, G. Reinhardt, Berlin-Frohnau, and M. Stöhr, Berlin-Hermsdorf, Germany, assignors to General Electric Company. Electric motor control system. 2,294,709; Sept. 1.
Bechtle, Joseph F., Jersey City, N. J., assignor to the M. W. Kellogg Company, New York, N. Y. Welding method. 2,294,650; Sept. 1.
Beck, Julius. (See Jahrstorfer, M., and Beck.)
Beers, Royce L., Birmingham, assignor to Detroit Stoker Company, Monroe, Mich. Chain take-up mechanism for chain grate stokers. 2,294,441; Sept. 1.
Belar, Herbert, Philadelphia, Pa., assignor to Radio Corporation of America. Photocell circuit. 2,294,375; Sept. 1.
Belar, Herbert, Philadelphia, Pa., assignor to Radio Corporation of America. Photocell hum demodulator. 2,294,376; Sept. 1.
Belden Manufacturing Company. (See Rudolphsen, Walter A., assignor.)
Bell Punch Company Limited. (See Reiter, Bruno, assignor.)
Bell Telephone Laboratories, Incorporated. (See Dickten, Emil, Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Holden, William H. T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hovland, Henry, assignor.)
Bell Telephone Laboratories, Incorporated. (See Lamberty, F. R., and Weaver, assignors.)
Bell Telephone Laboratories, Incorporated. (See Slegmund, Humphreys O., assignor.)
Bemis Bro. Bag Company. (See Haungs, Albert C., assignor.)
Benedict, Ethel M. (See Duffy, Thomas I., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Andres, William J., assignor.)
Bennett, Geoffrey R., assignor to Toledo Scale Company, Toledo, Ohio. Slicing machine. 2,294,560; Sept. 1.
Berg, Walter E., and J. C. Elikofer, Buffalo, N. Y. Coupling device for vehicles. 2,294,710; Sept. 1.
Berger, Guido F., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Spring structure. 2,294,534; Sept. 1.
Bergenthun, Wilhelm, and Ernst Pieper, Wuppertal-Barmen, Germany. Treating textile material. 2,294,826; Sept. 1.

Bergmann, Richard F. (See Kline, H. B., Bergmann, Knebusch, and Burkholder.)
Bergmann, Richard F., Lakewood, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Supporting thread advancing reels. 2,294,366; Sept. 1.
Bersworth, Frederick C., Verona, assignor to The Martin Dennis Company, Newark, N. J. Forming amino compounds. 2,294,442; Sept. 1.
Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating upon soles. 2,294,443; Sept. 1.
Bessler, Edward T. (See Habeck, E. A. W., and Bessler.)
Best, Frank E., Indianapolis, Ind. Airplane wing and fuselage. 2,294,359; Sept. 1.
Bierwirth, Rudolph A., Haddon Heights, N. J., assignor to Radio Corporation of America. Photocell hum demodulator. 2,294,377; Sept. 1.
Billing, Wyly M., assignor to Hercules Powder Company, Wilmington, Del. High-gloss coated material. 2,294,651; Sept. 1.
Bjorksten, Johan, assignor to Ditto, Incorporated, Chicago, Ill. Direct process duplicating fluid. 2,294,711; Sept. 1.
Black, Willy, Berlin-Halensee, and R. Fichtner, Berlin, Germany, assignors to General Electric Company. Hydraulic coupling. 2,294,768; Sept. 1.
Black, Willy, Berlin-Halensee, W. Lenz, Berlin-Reinickendorf, and R. Fichtner, Berlin, Germany, assignors to General Electric Company. Mechanical transmission for automotive vehicles. 2,294,769; Sept. 1.
Blair, Benton, Bronxville, N. Y., assignor of forty-five per cent to J. C. Blair, Stamford, Conn., and ten per cent to J. L. Lamia, Flushing, N. Y. Container construction. 2,294,652; Sept. 1.
Blair, John C., et al. (See Blair, Benton, assignor.)
Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Surface-active incrustation inhibitor. 2,294,378; Sept. 1.
Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Surface-active incrustation inhibitor. 2,294,379; Sept. 1.
Blodgett, Herbert C., assignor to Overhead Door Corporation, Hartford City, Ind. Counterbalance for vertically sliding doors. 2,294,360; Sept. 1.
Blodgett, Herbert C., assignor to Overhead Door Corporation, Hartford, Conn. Closure device for vertically acting doors. 2,294,361; Sept. 1.
Bloomfield, Samuel, Chicago, Ill. Dispenser. 2,294,594; Sept. 1.
Boerger, Julius W., assignor to Allover Manufacturing Co., Racine, Wis. Electric hair clipper. 2,294,713; Sept. 1.
Bohannan, Robert S., assignor to Toledo Scale Company, Toledo, Ohio. Hydraulic force transmission mechanism. 2,294,770; Sept. 1.
Bolston, Jacob A. (See Senauke, A., and Bolston.)
Bölte, Karl, Berlin-Karlshorst, Germany, assignor to General Electric Company. Transformer tap changer arrangement. 2,294,712; Sept. 1.
Booth, Robert B., Springdale, Conn., assignor, by mesne assignments, to Manville Jenckes Corporation, Manville, R. I. Degasification of liquid dispersions. 2,294,827; Sept. 1.
Boroughs, Frank S., Elmhurst, N. Y. Transparency viewer. 2,294,444; Sept. 1.
Bottrill, David H., assignor to Canadian Car & Foundry Company Limited, Montreal, Quebec, Canada. Variable pitch airscrew for airplanes. 2,294,867; Sept. 1.
Bottrill, David H., assignor to Canadian Car & Foundry Company Limited, Montreal, Quebec, Canada. Variable-pitch airscrew for airplanes. 2,294,868; Sept. 1.
Bowman, Kenneth K. (See Edwards, M. A., and Bowman.)
Bowman, Kiel B. (See Mattesson, E. A., and Bowman.)
Boyd, Robert C., H. C. Roach, and C. E. McNeal, Louisville, Ky., assignors to American Radiator & Standard Sanitary Corporation. Method and apparatus for producing vitreous enamel. 2,294,828; Sept. 1.
Brach, Leon S., East Orange, assignor to L. S. Brach Mfg. Corp., Newark, N. J. Automotive vehicle antenna. 2,294,362; Sept. 1.
Brach, L. S., Mfg. Corp. (See Brach, Leon S., assignor.)
Brady, Samuel G., Detroit, assignor to Gear Grinding Machine Company, Hamtramck, Mich. Grinding machine. 2,294,733; Sept. 1.
Braker, William, Brooklyn, N. Y., assignor to E. R. Squibb & &Sons, New York, N. Y. Azo compound. 2,294,380; Sept. 1.
Bressler, Max, Chicago, Ill. Reflex camera. 2,294,445; Sept. 1.
Bridges, Walter, Chelsea, and A. J. Chambers, Ewell, assignors to The Projectile & Engineering Company, Limited, Battersea, London, England. Apparatus employed in the hardening and tempering of armor piercing projectiles. 2,294,829; Sept. 1.
Brietzke, Adrian P. (See Gelatt, C. D., and Brietzke.)
Brockway, Murillo M., Los Angeles, Calif. Vehicle body construction. 2,294,363; Sept. 1.
Brown, Andrew G., assignor to Triner Scale & Manufacturing Company, Chicago, Ill. Weighing scale. 2,294,714; Sept. 1.
Brown, Charles R., Upper Darby, and A. T. Scott, Ardmore, assignors to The Sharples Corporation, Philadelphia, Pa. Treatment of tall oil acids. 2,294,446; Sept. 1.
Brown, Hector H., Baltimore County, Md. Lubricating oil pressure alarm system. 2,294,830; Sept. 1.
Brown, Lester H. (See Ames, John S., assignor.)
Buechmann, Frederick, New York, assignor to Certified Gauge & Instrument Corp., Long Island City, N. Y. Movement for measuring instruments. 2,294,869; Sept. 1.
Bruestle, Carl O., assignor to Syncro Machine Company, Rahway, N. J. Wire coiling machine. 2,294,653; Sept. 1.
Bruno, William A., Astoria, assignor, by mesne assignments, to Bruno Patents Inc., Long Island City, N. Y. Electric connector. 2,294,737; Sept. 1.
Bruno Patents Inc. (See Bruno, William A., assignor.)
Bruno, Philip, Rochester, N. Y. Apparatus for sharpening skates. 2,294,715; Sept. 1.
Bruno, William A., Astoria, assignor, by mesne assignments, to Bruno Patents Inc., Long Island City, N. Y. Coupling means for cables. 2,294,738; Sept. 1.
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Statistical machine. 2,294,734; Sept. 1.
Burdick, Harold E., Huntington, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of pigments with ammonium naphthenate. 2,294,381; Sept. 1.
Burian, Hermann M., assignor to Trustees of Dartmouth College, Hanover, N. H. Binocular eye test. 2,294,382; Sept. 1.
Burkhardt, George R., Chicago, Ill. Resilient rail fastener. 2,294,736; Sept. 1.
Burkholder, Alden H. (See Kline, H. B., Bergmann, Knebusch, and Burkholder.)
Burt, John W., assignor to Acme Wringers Limited, Glasgow, Scotland. Wringer. 2,294,716; Sept. 1.
Burwell, Arthur W., Niagara Falls, assignor to Alox Corporation, New York, N. Y. Wire drawing lubricant. 2,294,535; Sept. 1.
Bush, Fred W., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Transformer tap changer. 2,294,536; Sept. 1.
C-O-Two Fire Equipment Company. (See Allen, Scott E., assignor.)
Callender's Cable & Construction Company Limited. (See Hamilton, George M., assignor.)
Campbell, Nelson S., Brookline, Mass. Staple fiber preparation. 2,294,771; Sept. 1.
Canadian Car & Foundry Company Limited. (See Bottrill, David H., assignor.)
Candler Hill Corporation. (See Schlosser, Arthur G., assignor.)
Carhart, Cora B., Hollister, Calif. Colostomy device. 2,294,537; Sept. 1.
Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Chucking mechanism. 2,294,447; Sept. 1.
Carnegie-Illinois Steel Corporation. (See Greulich, Gerald G., assignor.)
Carney, Clifford R., Detroit, Mich. Treating anodized aluminum surfaces. 2,294,717; Sept. 1.
Carroll, Fred M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Stacking mechanism. 2,294,718; Sept. 1.
Carson, Robert W., Little Falls, N. Y. Apparatus for making very fine measurements. 2,294,831; Sept. 1.
Carter, Ray M., Glenbrook, Conn., assignor to U. S. Industrial Alcohol Co., New York, N. Y. Preparation of ethylene oxide. 2,294,383; Sept. 1.
Caterpillar Tractor Co. (See Starr, Oscar L., assignor.)
Celanese Corporation of America. (See Dreyfus, Henry, assignor.)
Celanese Corporation of America. (See Moss, William H., assignor.)
Certified Gauge & Instrument Corp. (See Buechmann, Frederick, assignor.)
Chaffin, Harry B., Canton, Ohio. Container instrument. 2,294,538; Sept. 1.
Chambers, Arthur J. (See Bridges, W., and Chambers.)
Champion, William J., assignor to Ditto, Incorporated, Chicago, Ill. Hectograph blanket and treating same. 2,294,384; Sept. 1.
Chemical Reclaiming Sales Co. (See Jones, Colin C., assignor.)
Chicago Coin Machine Mfg. Co. (See Koci, Jerry C., assignor.)
Chicago Development Company. (See Dean, R. S., and Anderson, assignors.)
Chicago Development Company. (See Long, James R., assignor.)
Chicago Pneumatic Tool Company. (See Reed, Clarence E., assignor.)
Chulick, John. (See Chulick, Mike and J.)
Chulick, Mike and J., Winters, Calif. Radio vibrator puller. 2,294,542; Sept. 1.
Clark Equipment Company. (See Williams, Alfred O., assignor.)
Cleveland Rock Drill Company, The. (See Feucht, Albert, assignor.)
Coleman Lamp and Stove Company, The. (See Tullis, Boyd W., assignor.)

Colla, Nicholas E., Jr., Youngstown, Ohio. Shears. 2,294,832; Sept. 1.
Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Selectively operable mechanism for typographical machines and the like. 2,294,385; Sept. 1.
Connolly, Charles E., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Elapsed time recorder. 2,294,739; Sept. 1.
Connolly, George E. (See De Long, C. A., Baird, and Connolly.)
Cooper, Elmen, West Philadelphia, Pa. Leather composite hatband. 2,294,654; Sept. 1.
Consolidated Corporation of Massachusettes. (See Lyons, Robert L., assignor.)
Consolidated Packaging Machinery Corporation. (See Moore, Royal T., assignor.)
Constant Speed Airscrews Limited. (See McGlasson, R., and Marshall, assignors.)
Cook, John J., Detroit, Mich. Snow, ice, and mud gripping device for vehicle wheels. 2,294,772; Sept. 1.
Cooley, Murray C., University City, assignor to W. N. Matthews Corporation, St. Louis, Mo. Electrical apparatus. 2,294,833; Sept. 1.
Cooper, Hugh S., assignor of one-half to F. H. Wilson, Cleveland, Ohio. Hard surfacing alloy for ferrous foundation metal. 2,294,834; Sept. 1.
Court, William F., Webster Groves, Mo., assignor to Shell Development Company, San Francisco, Calif. Hydraulic disruption of solids. 2,294,719; Sept. 1.
Coventry Climax Engines Limited. (See Hathaway, L., and Wooddisse, assignors.)
Coyle, Joseph A., and C. H. Roth, Minneapolis, Minn. Screening machine. 2,294,448; Sept. 1.
Crary, Selden B., Schenectady, N. Y., assignor to General Electric Company. Series capacitor arrangement. 2,294,773; Sept. 1.
Cuddihy, Paul R., Bay Shore, N. Y. System of syllable accentuation for use in dictionaries, text books, and the like. 2,294,539; Sept. 1.
Currier, Andrew E., Gilman, Vt., assignor to Bagpak, Inc., New York, N. Y. Multiply bag. 2,294,364; Sept. 1.
Curtis Manufacturing Company. (See Gygax, Ernest, assignor.)
Curtis Pump Company. (See Curtis, R. R., and Thoren, assignors.)
Curtis, Russell R., Dayton, and T. R. Thoren, Bedford, assignors to Curtis Pump Company, Dayton, Ohio. Aircraft air pump. 2,294,387; Sept. 1.
Curtis, Russell R., Dayton, and T. R. Thoren, Bedford, assignors to Curtis Pump Company, Dayton, Ohio. Aircraft air pump. 2,294,386; Sept. 1.
Cunningham, Richard C. (See Baker, B. P., and Cunningham.)
Dakin, Frederic A. (See Houghton, Alexis C., assignor.)
D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Aminotriazine-aldehyde condensation products. 2,294,873; Sept. 1.
Dartmouth College, Trustees of. (See Burian, Hermann M., assignor.)
Davies, William J., Glasgow, assignor to A. W. Legat, Paisley, Renfrewshire, Scotland. Safety razor. 2,294,774; Sept. 1.
Davis, Ellis E. (See Steadman, H. V., and Davis.)
Dawson, John W., Auburndale, assignor to Raytheon Manufacturing Company, Newton, Mass. Resistance welding system. 2,294,388; Sept. 1.
Dazzo, Henry, Brooklyn, N. Y. Pipe fitting for awning arms and the like. 2,294,835; Sept. 1.
Dean, Reginald S., Washington, D. C., and C. T. Anderson, Pittsburgh, Pa., assignors to Chicago Development Company, Chicago, Ill. Electrical resistance alloy. 2,294,389; Sept. 1.
De Laval Separator Company, The. (See Lindgren, Hans O., assignor.)
De Long, Chester A., Merced, D. Baird, Berkeley, and G. E. Connolly, Oakland, assignors to Pacific Foundry Company, Ltd., San Francisco, Calif. Cremator. 2,294,390; Sept. 1.
Del Riccio, Lorenzo, Los Angeles, Calif. Photographic apparatus. 2,294,423; Sept. 1.
Derby Sealers, Incorporated. (See Krueger, Alfred P., assignor.)
De Rose, Ernest A., Mount Vernon, N. Y. Waistband construction for garments. 2,294,365; Sept. 1.
Detroit Macoid Corporation. (See Hendrie, George S., assignor.)
Detroit Stoker Company. (See Beers, Royce L., assignor.)
Dexter Folder Company. (See Baker, Leonard, assignor.)
Deyarmond, Herbert P., Los Angeles, Calif. Saw retoother. 2,294,836; Sept. 1.
Dice, Myron L., West Lafayette, Ind. Adjustable book rack. 2,294,595; Sept. 1.
Dick, George W., Brooklyn Park, Md. Aquapoise liquid level controller. 2,294,391; Sept. 1.
Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Apparatus for verifying statistical data. 2,294,720; Sept. 1.
Dickten, Emil, Jr., Totowa, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating current motor. 2,294,449; Sept. 1.
Ditto, Incorporated. (See Bjorksten, Johan, assignor.)
Ditto, Incorporated. (See Champion, William J., assignor.)
Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,294,721; Sept. 1.
Dodge, Adiel Y., Rockford, Ill. Method and apparatus for casting fluid transmission members. 2,294,837; Sept. 1.
Dodge, Ronald D., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,294,722; Sept. 1.
Dole, Kenneth, Melrose, Mass. Fountain pen. 2,294,596; Sept. 1.
Dorfman, Hiller D., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,294,838; Sept. 1.
Dow Chemical Company, The. (See Ansel G., and McDonald, assignors.)
Dreshfield, Arthur C., assignor to Hercules Powder Company, Wilmington, Del. Stabilized dry rosin size. 2,294,723; Sept. 1.
Dreshfield, Arthur C., assignor to Hercules Powder Company, Wilmington, Del. Stabilized dry rosin size. 2,294,724; Sept. 1.
Dreshfield, Arthur C., assignor to Hercules Powder Company, Wilmington, Del. Stabilized dry rosin size. 2,294,725; Sept. 1.
Dreshfield, Arthur C., assignor to Hercules Powder Company, Wilmington, Del. Stabilized dry rosin size. 2,294,726; Sept. 1.
Dreshfield, Arthur C., assignor to Hercules Powder Company, Wilmington, Del. Stabilized dry rosin size. 2,294,727; Sept. 1.
Dreshfield, Arthur C., assignor to Hercules Powder Company, Wilmington, Del. Stabilized dry rosin size. 2,294,728; Sept. 1.
Dreshfield, Arthur C., assignor to Hercules Powder Company, Wilmington, Del. Stabilized dry rosin size. 2,294,729; Sept. 1.
Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Manufacture of artificial filaments, foils, and similar materials. 2,294,450; Sept. 1.
Dubay, Theodore E., Granite City, Ill. Illuminated music stand. 2,294,732; Sept. 1.
Duffy, Thomas I., Detroit, assignor to E. M. Benedict, Highland Park, Mich. Vehicle construction. 2,294,839; Sept. 1.
Duke, William O. (See Stanitz, J., and Duke.)
Du Mont, Paul, Berlin-Spandau, Germany, assignor to General Electric Company. Carrier current amplifier apparatus 2,294,735; Sept. 1.
Du Pont, E. I., de Nemours, & Company. (See Burdick, Harold E., assignor.)
Du Pont, E. I., de Nemours, & Company. (See Erskine, A. M., and Perkins, assignors.)
Du Pont, E. I., de Nemours, & Company. (See Peter, Richard C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Ricketts, Vernon L., assignor.)
Du Pont, E. I., de Nemours & Company. (See van Dijck, Willem J. D., assignor.)
Dunn, Maude, Birmingham, Ala. Spectacles. 2,294,840; Sept. 1.
Durant, Kenneth J. (See King, H. D., and Durant.)
Eagles Knitting Mills, Inc. (See Wengen, Frank J., assignor.)
Eastern Malleable Iron Company, The. (See Walker, Clarence P., assignor.)
Eastman Kodak Company. (See Hasche, R. L., and Thompson, assignors.)
Eckerling, Aaron A., Chicago, Ill. Garment. 2,294,859; Sept. 1.
Edwards, Evan A., assignor to Taylor Instrument Companies, Rochester, N. Y. Instrument for measuring effective temperatures. 2,294,540; Sept. 1.
Edwards, Martin A., and K. K. Bowman, Scotia, N. Y., assignors to General Electric Company. Control system. 2,294,775; Sept. 1.
Egger, Eduard J. W., Bellevue, Pa., C. V. Johanson, Cranford, N. J., and R .B. Smith, Pittsburgh, Pa., assignors to The Linde Air Products Company. Blowpipe nozzle. 2,294,392; Sept. 1.
Eggers, Ulrich, Berlin-Hermsdorf, Germany, assignor to General Electric Company. Projectile timer. 2,294,730; Sept. 1.
Eggert, John, Leipzig, and G. Heymer, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Color photography. 2,294,731; Sept. 1.
Egry Register Company, The. (See Stern, Milton C., assignor.)
Eidson, Marshall B., Chanute, Kans. Infant's training chair. 2,294,366; Sept. 1.
Einstein, Hans A., Greenville, S. C., assignor to C. R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Apparatus for sampling liquid. 2,294,655; Sept. 1.
Elastic Stop Nut Corporation. (See Hungerford, Daniel C., assignor.)
Elikofer, John C. (See Berg, Walter E., and Elikofer.)
Ellis, Clifford A., Ridgefield, N. J., assignor to Graver Tank & Mfg. Co., Inc., Catasauqua, Pa. Storage tank. 2,294,543; Sept. 1.

Ellson, George, Leatherhead, England. Rail expansion joint. 2,294,860; Sept. 1.
Elmes, Charles F., Engineering Works. (See Feuchter, Robert J., assignor.)
Ely, James K., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Contact member. 2,294,783; Sept. 1.
Enos, John P., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Hemmer attachment. 2,294,740; Sept. 1.
Erne, Charles H., Maywood, N. J., assignor to American Can Company, New York, N. Y. Container. 2,294,393; Sept. 1.
Ernst, Walter, assignor to The Hydraulic Development Corporation, Inc., Mount Gilead, Ohio. Blankholder and die cushion cylinder having separate adjustable pressures. 2,294,451; Sept. 1.
Erskine, Archibald M., Chatham, and B. H. Perkins, Seabright, N. J., assignors to E. I. Du Pont de Nemours & Company, Wilmington, Del. Pigment of improved texture. 2,294,394; Sept. 1.
Evjen, Knute H., Coudersport, Pa., assignor to Nordel Corporation, Houston, Tex. Method and apparatus for making geological explorations. 2,294,395; Sept. 1.
Ezell, William A., Poland, Ohio. Slab turning device. 2,294,841; Sept. 1.
Fahey, Joseph J., and M. Fleischer, Washington, D. C., and W. W. Rubey, Westmoreland Hills, Md. Extinguishing burning molten magnesium and the like. 2,294,532; Sept. 1.
Farnsworth Television and Radio Corporation. (See Nelson, Arthur L., assignor.)
Feib, Alfred, assignor of one-third to E. Friedenheim, New York, and one-third to K. Hirschen, Schenectady, N. Y. Lipstick holder. 2,294,656; Sept. 1.
Ferguson, Ralph M., Dayton, Ohio. Terminal fitting for flexible or semiflexible cable. 2,294,398; Sept. 1.
Ferro Stamping & Manufacturing Company. (See Joachim, Joseph G., assignor.)
Feucht, Albert, Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill support. 2,294,541; Sept. 1.
Feuchter, Robert J., assignor to C. F. Elmes Engineering Works, Chicago, Ill. Air ballasted accumulator and control circuit for hydraulic presses. 2,294,396; Sept. 1.
Feuchter, Robert J., assignor to C. F. Elmes Engineering Works, Chicago, Ill. Air ballasted accumulator. 2,294,397; Sept. 1.
Ftoulkes, Georgi A. (See Langberg, C., and Ftoulkes.)
Fichtner, Rudolf. (See Black, W., and Fichtner.)
Fichtner, Rudolf. (See Black, W., Lenz, and Fichtner.)
Fisk, Daniels B., Swampscott, and J. R. Macintyre, South Peabody, Mass., assignors to General Electric Company. Remote indicator. 2,294,741; Sept. 1.
Fitzsimmons, David D. (See Snavely, C. S., and Fitzsimmons.)
Flanagan, Gertrude M., Philadelphia, Pa. Serving dish. 2,294,657; Sept. 1.
Fleetwings, Inc. (See Lemonier, Camille R., assignor.)
Fleischer, Michael. (See Fahey, J. J., Fleischer, and Rubey.)
Fleming, Jacob W. P., Falcon, Miss. Flying wing airplane. 2,294,367; Sept. 1.
Flint, Robert M. (See Ravenscroft, E. A., and Flint.)
Flock, Bernard J. (See Gerhold, C. G., and Flock.)
Fluckinger, Frank. (See Pearson, Elmer O., assignor.)
Folmer Graflex Corporation. (See Skinner, C. R., and Willcox, assignors.)
Folmer Graflex Corporation, The. (See Thomson John P., assignor.)
Förster, Johannes. (See Bechmann, H., Förster, Reinhardt, and Stöhr.)
Frank, Beecher, assignor to D. E. Kimball, Cleveland, Ohio. Fastener for leggings. 2,294,842; Sept. 1.
Frankenthal, Otto, Slough, England, and R. Lederer, New York, N. Y., assignors to Aktiebolaget Svedish Artid, Stockholm, Sweden. Making decorated articles. 2,294,865; Sept. 1.
Fraser, Douglas & Sons Limited. (See Fraser, Gordon S., assignor.)
Fraser, Gordon S., Arbroath, assignor to Douglas Fraser & Sons Limited, Arbroath, Angus, Scotland. Wharve driven flyer spindle. 2,294,742; Sept. 1.
Freeman-Daughaday Company. (See Schuppach, Rene M., assignor.)
Freeman, Miles E., Sarotoga Springs, N. Y. Building block. 2,294,776; Sept. 1, 1942.
Friedenheim, Ernst, et al. (See Feib, Alfred, assignor.)
Fritsch, Frederick P. (See Olin, J. F., Fritsch, and Schaefer.)
Fuel Refining Corporation. (See Otto, C., and Wethly, assignors.)
Fukal, Alfred F., assignor to W. W. Welch, Cincinnati, Ohio. Plastic fan stand. 2,294,309; Sept. 1.
Fuller, Walter L., assignor to Gibson, Inc., Kalamazoo, Mich. Electrical pickup for stringed musical instruments. 2,294,861; Sept. 1.
Funderburk, Otis C., Weston, Mass. Fuel supply, carburetion and supercharger system and apparatus for internal combustion engines. 2,294,743; Sept. 1.
Gage, Edward G., Brooklyn, assignor of two-thirds to L. Ottinger, New York, N. Y. Safely servicing dangerous electrical apparatus. 2,294,843; Sept. 1.
Gallagher, Milton, Louisville, assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky. Wooden aging barrel. 2,294,744; Sept. 1.
Garde, Auge. (See Kiessling, C., Garde, and Haglof.)
Gardner, Roland M., Swampscott, and R. L. Allen, Beverly, assignors to Hygrade Sylvania Corporation, Salem, Mass. Lamp exhaust oven. 2,294,400; Sept. 1.
Garfield, Lewis E., assignor to Hughes Tool Company, Houston, Tex. Cutter teeth for well drills. 2,294,544; Sept. 1.
Gates Rubber Company, The. (See Yelm, Charles W., assignor.)
Gear Grinding Machine Company, The. (See Brady, Samuel G., assignor.)
Gelatt, Charles D., and A. P. Brietzke, assignors to Northern Engraving & Manufacturing Company, La Crosse, Wis. Device to indicate an atmospheric condition. 2,294,545; Sept. 1.
Gelstharp, Frederick, Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Phosphate glass batch. 2,294,844; Sept. 1.
General Aniline & Film Corporation. (See Eggert, J., and Heymer, assignors.)
General Aniline & Film Corporation. (See Hummel, Hans G., and Jahrstorfer, assignors.)
General Aniline & Film Corporation. (See Jahrstorfer, M., and Beck, assignors.)
General Electric Company. (See Bechmann, H., Förster, Reinhardt, and Stöhr, assignors.)
General Electric Company. (See Black, W., and Fichtner, assignors.)
General Electric Company. (See Black, W., Lenz, and Fichtner, assignors.)
General Electric Company. (See Bölte, Karl, assignor.)
General Electric Company. (See Crary, Selden B., assignor.)
General Electric Company. (See D'Alello, Gaetano F., assignor.)
General Electric Company. (See du Mont, Paul, assignor.)
General Electric Company. (See Edwards, Martin A., and Bowman.)
General Electric Company. (See Eggers, Ulrich, assignor.)
General Electric Company. (See Fisk, D. B., and Macintyre, assignors.)
General Electric Company. (See Harbison, George C., assignor.)
General Electric Company. (See Hedman, Sverker N., assignor.)
General Electric Company. (See Hubbard, Albert B., assignor.)
General Electric Company. (See Inutsuka, H., and Kawase, assignors.)
General Electric Company. (See Livingston, Orrin W., assignor.)
General Electric Company. (See Morack, Marvin V., assignor.)
General Electric Company. (See Newman, Delbert F., assignor.)
General Electric Company. (See Pratt, William H., assignor.)
General Electric Company (See Stroehlen, Richard, assignor.)
General Electric Company. (See Williams, Edwin A., Jr., assignor.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
Genter, Harold C. (See Sardeson, Robert, assignor.)
Gentil, Henri L., Paris, France, assignor to Alloy Processes Limited, London, England. Production of aluminum. 2,294,546; Sept 1.
Gerhold, Clarence G., and B. J. Flock, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,294,547; Sept. 1.
Gibson, Inc. (See Fuller, Walter L., assignor.)
Gillespie, Albert A., West Los Angeles, F. Hauser, Culver City, and A. G. Wise, Los Angeles, Calif., assignors to Loew's Incorporated. Background projecter. 2,294,597; Sept. 1.
Gleason Works. (See Carlsen, Leonard O., assignor.)
Goetz, John, Troy, N. Y. Jack. 2,294,745; Sept. 1.
Gordon, Allen A., Baltimore, Md. Bottle carrier. 2,294,874; Sept. 1.
Gordon, Dwight. (See Woodruff, Carroll, assignor.)
Gordon, Samuel W., Canal Fulton, Ohio. Wrench. 2,294,548; Sept. 1.
Graver Tank & Mfg. Co. (See Ellis, Clifford A., assignor.)
Greulich, Gerald G., Mount Lebanon, assignor to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Portable deck. 2,294,549; Sept. 1.
Greulich, Gerald G., Mount Lebanon, assignor to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Portable deck. 2,294,550; Sept. 1.
Grundstrom, Erik G., assignor to Advance Aluminum Castings Corp., Chicago, Ill. Valve means for pressure cookers. 2,294,746; Sept. 1.
Guest, Eugene U., Charlotte, N. C. Automatic weighing machine. 2,294,551; Sept. 1.
Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)
Guy and Murton, Incorporated. (See Guy, Frederick M., assignor.)

Guy, Frederick M., assignor to Guy and Murton, Incorporated, Detroit, Mich. Resilient bushing. 2,294,452; Sept. 1.
Gygax, Ernest, St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Refrigerating condensing unit. 2,294,552; Sept. 1.
Habeck, Edgar A. W., and E. T. Bessler, Milwaukee, Wis. Toothbrush. 2,294,747; Sept. 1.
Hadfield, Bertram M., Harrow Weald, England, assignor to Associated Electric Laboratories Inc., Chicago, Ill. Thermionic valve circuits. 2,294,862; Sept. 1.
Hadfield, Bertram M., Harrow Weald, England, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Electrical storage and delay circuits. 2,294,863; Sept. 1.
Hagen, Joseph B., Everett, Wash. Degree bevel. 2,294,553; Sept. 1.
Haglof, Nils J. E. (See Kiessling, C., Garde, and Haglof.)
Hamilton, George M., assignor to Callender's Cable & Construction Company Limited, London, England. Neoprene composition. 2,294,845; Sept. 1.
Hamilton Manufacturing Company. (See Berger, Guido F., assignor.)
Hansen's, Chr., Laboratory, Inc. (See Reinecke, Ernest, assignor.)
Hanson, Hartwig M., assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md. Ribbon flame burner. 2,294,748; Sept. 1.
Harbison, George C., Erie, Pa., assignor to General Electric Company. Refrigerator cabinet. 2,294,749; Sept. 1.
Harper, Dring. (See Woodruff, Carroll, assignor.)
Harris, Arch W., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Metal coating. 2,294,750; Sept. 1.
Harrison, Laurence S., Bronxville, and O. Weitmann, Johnson City, assignors to International Business Machines Corp., New York, N. Y. Record card controlled machine. 2,294,751; Sept. 1.
Harrison, Leslie R., Vancouver, British Columbia, Canada. Composition for the treatment of poultry coccidiosis. 2,294,401; Sept. 1.
Harrison, William G., Decatur, Ala. Ring and traveler for spinning and twisting frames. 2,294,453; Sept. 1.
Harter, Noah S., Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Reed for looms. 2,294,368; Sept. 1.
Harter, Noah S., Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Hardware and screen cloth machine. 2,294,369; Sept. 1.
Hartmann, Carl W., Lyngby, near Copenhagen, Denmark, assignor to Satona Limited, Edinburgh, Scotland. Conveyer for use with machines for proofing cartons and the like. 2,294,598; Sept. 1.
Hartmann, Carl W., Lyngby, near Copenhagen, Denmark, assignor to Satona Limited, Edinburgh, Scotland. Apparatus for proofing cartons and the like. 2,294,599; Sept. 1.
Hasche, Rudolph L., and B. Thompson, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Pyrolysis of methyl vinyl ether. 2,294,402; Sept. 1.
Hatfield, Carroll M., Los Angeles, assignor to E. L. Heckert, Van Nuys, Calif. Mobile merchandising device. 2,294,752; Sept. 1.
Hathaway, Lawrence, and J. T. Wooddisse, assignors to Coventry Climax Engines Limited, Coventry, England. Engine-driven pump. 2,294,454; Sept. 1.
Haultain, Herbert E. T., Toronto, Ontario, Canada. Density measuring apparatus. 2,294,455; Sept. 1.
Haungs, Albert C., Peoria, Ill., assignor to Bemis Bros. Bag Company, St. Louis, Mo. Valvular bag. 2,294,846; Sept. 1.
Hauser, Fred. (See Gillespie, A. A., Hauser, and Wise.)
Hawley, John F., Riverside, Ill. Making printing plates. 2,294,456; Sept. 1.
Hazeltine, Benjamin P., Wheeling, W. Va., deceased; E. H. Hazeltine, administratrix. Pipe handling apparatus. 2,294,658; Sept. 1.
Hazeltine Corporation. (See Wilson, John C., assignor.)
Hazeltine, Emily H., administratrix. (See Hazeltine, Benjamin P.)
Heberlein Patent Corporation. (See Wolf, Edgar, assignor.)
Heckert, Evelyn L. (See Hatfield, Carroll M., assignor.)
Hedman, Sverker N., Stoneham, Mass., assignor to General Electric Company. Electric fluid turbine arrangement. 2,294,753; Sept. 1.
Heindlhofer, Kalman, East Orange, N. J., assignor to United States Steel Corporation of Delaware. Welding. 2,294,498; Sept. 1.
Heintz, Ralph M., Palo Alto, Calif., assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Brush lifting relay. 2,294,754; Sept. 1.
Helmer, Harry W., and V. L. Staley, assignors to Helmer-Staley, Inc., Chicago, Ill. Marking material. 2,294,403; Sept. 1.
Helmer-Staley, Inc. (See Helmer, H. W., and Staley, assignors.)
Helmond, William F., Ridgewood, Clinton, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,294,662; Sept. 1.
Henderson, Albert, assignor to W. P. Witherow, Pittsburgh, Pa. Fireproof enclosure for building frames. 2,294,554; Sept. 1.
Henderson, Albert, Edgewood Borough, assignor to W. P. Witherow, Pittsburgh, Pa. Floating external wall for buildings. 2,294,556; Sept. 1.
Hendrie, George S., Grosse Pointe Farms, assignor to Detroit Macoid Corporation, Detroit, Mich. Method and apparatus for forming thermoplastic strips. 2,294,555; Sept. 1.
Henkell, Victor M., J. H. Howard, and M. M. Zorgdrager, assignors to McEvoy Company, Houston, Tex. Bull plug fitting. 2,294,499; Sept. 1.
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Silver bearing. 2,294,404; Sept. 1.
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Aluminum base metal composition. 2,294,405; Sept. 1.
Herbrick, Milton B., Omaha, Nebr. Traction device. 2,294,557; Sept. 1.
Hercules Powder Company. (See Billing, Wyly M., assignor.)
Hercules Powder Company. (See Dreshfield, Arthur C., assignor.)
Herold, Edward W., Verona, N. J., assignor to Radio Corporation of America. Electron discharge device and circuit. 2,294,659; Sept. 1.
Hess, John, Yonkers, N. Y. Phonograph record cleaner. 2,294,660; Sept. 1.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locomotive brake equipment. 2,294,601; Sept. 1.
Hewitt, Ellis E., Edgewood, and B. S. Aikman, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Railway vehicle brake. 2,294,600; Sept. 1.
Hexter, Paul L., and Russell Shepheard, assignors to The Arco Company, Cleveland, Ohio. Preparing coating materials. 2,294,875; Sept. 1.
Heyer, Don. St. Louis, Mo. Variable speed transmission. 2,294,777; Sept. 1.
Heymer, Gerd. (See Eggert, J., and Heymer.)
Hibbard, Helen, Milwaukee, Wis. Handle attachment. 2,294,661; Sept. 1.
Hines, Claude M., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control system. 2,294,602; Sept. 1.
Hirschen, Kurt, et al. (See Feib, Alfred, assignor.)
Hoe, R., & Co. Inc. (See Turrell George, assignor.)
Hohlweg, Walter, Hohen-Neuendorf, near Berlin, and H. H. Inhoffen, Berlin-Wilmersdorf, German, assignors to Schering Corporation, Bloomfield, N. J. Degradation products containing carboxyl groups from compounds of the estrane series containing at least one double bond in ring B. 2,294,616; Sept. 1.
Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective system. 2,294,457; Sept. 1.
Hooker, Donald E., and F. G. Nicolaus, assignors to R. T. Moloney, Chicago, Ill. Light ray gun. 2,294,558; Sept. 1.
Horowitz, Oscar, New York, N. Y. Garment and closure therefor. 2,294,617; Sept. 1.
Houdaille-Hershey Corporation. (See Jandus, Herbert S., assignor.)
Houdry Process Corporation. (See Bates, John R., assignor.)
Houghton, Alexis C., Bartlett, Calif., assignor to F. A. Dakin, Boston, Mass. Recovering pure sodium carbonate monohydrate from brines. 2,294,778; Sept. 1.
Hovland, Henry, Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,294,500; Sept. 1.
Howard, James H. (See Henkell, V. M., Howard, and Zorgdrager.)
Hubbard, Albert B., West Orange, N. J., assignor to General Electric Company. Clamp for window sill air conditioners. 2,294,664; Sept. 1.
Huber, Christian, Juneau, Alaska. Cradle brace. 2,294,663; Sept. 1.
Huffman, Samuel A., Avalon, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Sheet handling mechanism. 2,294,406; Sept. 1.
Huffman, Samuel A., Avalon, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Sheet handling mechanism. 2,294,407; Sept. 1.
Hughes Tool Company. (See Garfield, Lewis E., assignor.)
Hummel, Hans G., Mannheim, and M. Jahrstorfer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Nitrogenous waxy to resinous condensation products and producing same. 2,294,878; Sept. 1.
Hungerford, Daniel C., Madison, assignor to Elastic Stop Nut Corporation, Elizabeth, N. J. Apparatus for the manufacture of anchor nuts. 2,294,458; Sept. 1.
Hydraulic Development Corporation, Inc., The. (See Ernst, Walter, assignor.)
Hydraulic Development Corp., Inc., The. (See MacMillin, H. F., Tucker, and Thoreson, assignors.)
Hygrade Sylvania Corporation. (See Gardner, R. M., and Allen, assignors.)
Hygrade Sylvania Corporation. (See Kingston, Walter E., assignor.)
Hyman, Julius, assignor to Velsicol Corporation, Chicago, Ill. Contact decolorization. 2,294,779; Sept. 1.

Industrial Rayon Corporation. (See Bergmann, Richard F., assignor.)
Industrial Rayon Corporation. (See Kline, H. B. Bergmann, Knebusch, and Burkholder, assignors.)
Ingraham, Harold O. C., New York, N. Y. Stall and stanchion for dairy barns. 2,294,781; Sept. 1.
Inhoffen, Hans H. (See Hohlweg, W., and Inhoffen.)
Interchemical Corporation. (See Scully, Sylvester A., assignor.)
Interchemical Corporation. (See Wurzburg, Francis L., Jr., assignor.)
International Business Machines Corporation. (See Bryce, James W., assignor.)
International Business Machines Corporation. (See Carroll, Fred M., assignor.)
International Business Machine Corporation. (See Connolly, Charles E., assignor.)
International Business Machines Corporation. (See Dickinson, Arthur H., assignor.)
International Business Machines Corporation. (See Dodge, Ronald D., assignor.)
International Business Machines Corp. (See Harrison, L. S., and Weltmann, assignors.)
International Business Machines Corporation. (See Jackson, Carlton T., assignor.)
International Business Machines Corporation. (See Moon, Carroll K., assignor.)
International Business Machines Corporation. (See Nichols, Harry J., assignor.)
International Business Machines Corporation. (See Petz, L. John.)
International Devices, Incorporated. (See Smith, Ezra G., assignor.)
Inutsuka, Hideo, and S. Kawase, Kawasaki, Kanagawa-Ken, Japan, assignors, to General Electric Company. Resistant body having negative temperature characteristic. 2,294,755; Sept. 1.
Inutsuka, Hideo, and S. Kawase, Kawasaki, Kanagawa-Ken, Japan, assignors to General Electric Company. Manufacturing electrical resistors having a negative temperature characteristic. 2,294,756; Sept. 1.
Jack & Heintz, Inc. (See Heintz, Ralph M., assignor.)
Jackson, Carlton T., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,294,665; Sept. 1.
Jacobsen, Bent B., London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Thermionic valve apparatus. 2,294,782; Sept. 1.
Jahrstorfer, Michael, and Julius Beck, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Water soluble adhesives obtained by etherifying wood. 2,294,666; Sept. 1.
Jahrstorfer, Michael. (See Hummel, Hans G., and Jahrstorfer.)
Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever. 2,294,667; Sept. 1.
Jeck, Fritz, Basil, Switzerland. Carburetor. 2,294,847; Sept. 1.
Jeffrey, Max L., Shaker Heights, assignor, by mesne assignments, to The M. L. Jeffrey Corporation, Cleveland, Ohio. Switch. 2,294,559; Sept. 1.
Jeffrey, M. L., Corporation, The. (See Jeffrey, Max L., assignor.)
Joachim, Joseph G., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich. Hinge construction. 2,294,459; Sept. 1.
Johanson, Casimir V. (See Egger, E. J. W., Johanson, and Smith.)
Jones, Colin C., Inglewood, assignor to Chemical Reclaiming Sales Co., Inc., Los Angeles, Calif. Fluid reclamation apparatus. 2,294,460; Sept. 1.
Jones, Colin C., Inglewood, assignor to Chemical Reclaiming Sales Co., Inc., Los Angeles, Calif. Clarifying spent solvents. 2,294,461; Sept. 1.
Joseph, Felix A., Hillsborough, Calif. Ash tray. 2,294,618; Sept. 1.
Junkins, Raymond D., Cleveland, Ohio, assignor to Bailey Meter Company. Operating vapor generators 2,294,501; Sept. 1.
Kadel, Byers W., Baltimore, Md. Car construction. 2,294,502; Sept. 1.
Karas, Steve, Gary, Ind. Fountain glass washer. 2,294,668; Sept. 1.
Karnes, James C., Buffalo, N. Y. Fire control training system. 2,294,408; Sept. 1.
Kastler, Edward L., Racine, Wis., assignor of one-half to P. S. Mantonya, Chicago, Ill. Refrigerating apparatus. 2,294,619; Sept. 1.
Kawase, Shujiro. (See Inutsuka, H., and Kawase.)
Keating, Herbert J., Brooklyn, N. Y., and J. E. Keeting, Bloomfield, N. J. Feeding apparatus in typing or printing. 2,294,784; Sept. 1.
Keeting, John E. (See Keating, H. J., and Keeting.)
Kellogg, M. W., Company. (See Bechtle, Joseph F., assignor.)
Kelsey-Hayes Wheel Company. (See Le Jeune, Frank H., assignor.)
Kemp, C. M., Manufacturing Company, The. (See Hanson, Hartwig M., assignor.)
Klessling, Carl, and A. Garde, Vasteras, Sweden, and N. J. E. Haglof, Wanstead, London, England, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement for the drive of rotary printing presses. 2,294,620; Sept. 1.
Kimball, Donald E., Cleveland, Ohio. Eye protector. 2,294,561; Sept. 1.
Kimball, Donald E. (See Frank, Beecher, assignor.)
King, Harold D., Medina, and K. J. Durant, Akron, Ohio, assignors to American Hard Rubber Company, New York, N. Y. Shoe cleat. 2,294,462; Sept. 1.
Kingston, Walter E., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Carbonized steel strip and making same. 2,294,562; Sept. 1.
Kline, Hayden B., Cleveland, R. F. Bergmann, Lakewood, W. F. Knebusch, Dayton, and A. H. Burkholder, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for continuously conditioning thread or the like. 2,294,870; Sept. 1.
Klingelfuss, Eugene H., assignor to Klingrose Machine Corporation, Brooklyn, N. Y. Printing machine. 2,294,503; Sept. 1.
Klingrose Machine Corporation. (See Klingelfuss, Eugene H., assignor.)
Knape, Joseph J., assignor to Knape & Vogt Manufacturing Company, Grand Rapids, Mich. Shoe rack. 2,294,504; Sept. 1.
Knape & Vogt Manufacturing Company. (See Knape, Joseph J., assignor.)
Knebusch, Walter F. (See Kline, H. B., Bergmann, Knebusch, and Burkholder.)
Kocl, Jerry C., Chicago, assignor to Chicago Coin Machine Mfg. Co., Chicago, Ill. Objective indicator for game apparatus. 2,294,603; Sept. 1.
Koenke, Carl, Detroit, Mich. Curtain threader. 2,294,669; Sept. 1.
Köhn, Claus H., Rapperswil, St. Gallen, Switzerland. Caterpillar, in particular roller chain. 2,294,400; Sept. 1.
Koster, Heinrich. (See Westphal, U., Serini, and Koster.)
Kraemer, Frank. (See Woodruff, Carroll, assignor.)
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Molder. 2,294,621; Sept. 1.
Krant, Edward, Chicago, Ill., deceased; H. Krants, administratrix, assignor of one-half to V. Pearson and one-half to H. A. Torstenson, Chicago, Ill. Fastener driving tool. 2,294,463; Sept. 1.
Krants, Helen, administratrix. (See Krant, Edward.)
Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-serving mechanism. 2,294,670; Sept. 1.
La-Del Conveyor & Manufacturing Company. (See Troller, Theodor H., assignor.)
Lamberton, Ralph E., Michigan City, Ind., assignor to Sullivan Machinery Company. Pumping apparatus. 2,294,410; Sept. 1.
Lamar, William P., Atlanta, Ga. Bookrack. 2,294,563; Sept. 1.
Lamberty, Frederick R., Brooklyn, N. Y., and G. W. Weaver, Westwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse transmitter. 2,294,464; Sept. 1.
Lamia, Joseph L., et al. (See Blair, Benton, assignor.)
Langberg, Charles, and G. A. Ffoulkes, New York, N. Y. Camera and projector apparatus. 2,294,622; Sept. 1.
Langdon, Jesse D., Los Angeles, Calif. Siphon breaker and valve. 2,294,785; Sept. 1.
Larsen, Earl I. (See Hensel, F. R., and Larsen.)
Larsen, Neil P., and H. J. Troche, assignors to The American Coach & Body Company, Cleveland, Ohio. Winch. 2,294,757; Sept. 1.
Lasker, Richard, Jackson Heights, N. Y., assignor to Milprint Incorporated, Milwaukee, Wis. Printed article. 2,294,465; Sept. 1.
Lasting, Hyman B., et al. (See McAllister, William N., assignor.)
Lay, Arthur W., Chelmsford, England, assignor to Radio Corporation of America. Electrical oscillator apparatus for medical purposes. 2,294,411; Sept. 1.
Lear Avia, Inc. (See Lear, William P., assignor.)
Lear, William P., Dayton, assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio. Motor positioning system. 2,294,786; Sept. 1.
Leber, Benjamin F., assignor to Sears Roebuck and Co., Chicago, Ill. Toy wagon. 2,294,564; Sept. 1.
Lebrun, Paul Francois, assignor of one-half to P. Synek, Astoria, N. Y. Low voltage gaseous tube lamp and electrical circuits therefor. 2,294,623; Sept. 1.
Lederer, Robert. (See Frankenthal, O., and Lederer, assignors.)
Legat, Arthur W. (See Davies, William J., assignor.)
Legum, Abraham J., et al. (See McAllister, William N., assignor.)
Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Manufacturing brake drums. 2,294,466; Sept. 1.
Leland, George H., Dayton, Ohio. Apparatus for testing eyes. 2,294,787; Sept. 1.
Lemen, William E., assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oil. 2,294,565; Sept. 1.
Lemonier, Camille R., assignor to Fleetwings, Inc., Bristol, Pa. Landing gear. 2,294,467; Sept. 1.

Lenz, Walter. (See Black, W., Lenz, and Fichtner.)
Lewis, Charles H. (See Urbain, O. M., and Stemen, assignors.)
Lily-Tulip Cup Corporation. (See Terry, Clifford B., assignor.)
Lindblad, Harald L., assignor to Mercury Cleaning Systems Incorporated, Chicago, Ill. Time controlled closure latch. 2,294,505; Sept. 1.
Linde Air Products Company, The. (See Bagley, Glen D., assignor.)
Linde Air Products Company, The. (See Egger, E. J. W., Johanson, and Smith, assignors.)
Lindgren, Hans O., Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator. 2,294,468; Sept. 1.
Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Electric valve circuit. 2,294,672; Sept. 1.
Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Electric translating system. 2,294,671; Sept. 1.
Loeffler, Bruno, West New York, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y. Injection pump governor. 2,294,469; Sept. 1.
Loew's Incorporated. (See Gillespie, A. A., Hauser, and Wise, assignors.)
Long, Emmet S., Los Angeles, Calif. Drill pipe protector and tool therefor. 2,294,506; Sept. 1.
Long, James R., Annapolis, Md., assignor to Chicago Development Company, Chicago, Ill. Stainless steel. 2,294,412; Sept. 1.
Longenecker, Levi S., Pittsburgh, Pa. Furnace wall construction. 2,294,788; Sept. 1.
Lo Prete, James V., and H. L. Ovenshire, Detroit, Mich. Automatic lubricator. 2,294,673; Sept. 1.
Lord Manufacturing Company. (See Lord, Thomas, assignor.)
Lord, Thomas, Millcreek Township, Erie County, assignor, by mesne assignments, to Lord Manufacturing Company, Erie, Pa. Rubber joint. 2,294,674; Sept. 1.
Lutz, Glenn W., Phillipsburg, Ohio. Rotary cultivator. 2,294,470; Sept. 1.
Lyons, Robert L., Waltham, assignor, by mesne assignments, to Consolidated Corporation of Massachusetts, Cambridge, Mass. Button sewing machine. 2,294,471; Sept. 1.
Macintyre, John R. (See Fisk, D. B., and Macintyre.)
Mack Manufacturing Corporation. (See Loeffler, Bruno, assignor.)
MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole margin cementer. 2,294,472; Sept. 1.
MacMillin, Howard F., Mount Gilead, W. R. Tucker, Dayton, Ohio, and R. Thoreson, Birmingham, Mich., assignors to The Hydraulic Development Corp., Inc., Wilmington, Del. Metal stretching press. 2,294,675; Sept. 1.
MacMillin, Howard F., Mount Gilead, and W. R. Tucker, Dayton, Ohio, and R. Thoreson, Birmingham, Mich., assignors to The Hydraulic Development Corp., Inc., Wilmington, Del. Metal stretching press. 2,294,676; Sept. 1.
Makeley, Everett R., Elmira, N. Y. Window container. 2,294,473; Sept. 1.
Mallory, P. R., & Co. (See Hensel, F. R., and Larsen, assignors.)
Malm, Leland S., and J. F. Oneto, San Francisco, Calif. Measuring instrument. 2,294,566; Sept. 1.
Manske, Roman H. (See Manske, Walter V.)
Manske, Walter V., assignor of one-third to R. H. Manske, Milwaukee, Wis. Fishhook extractor. 2,294,758; Sept. 1.
Mantonya, Paul S. (See Kastler, Edward L., assignor.)
Manville Jenckes Corporation. (See Booth, Robert Ben, assignor.)
Markle, George B., Jr., Hazelton, Pa. Self-locking arbor for supporting tubes forming headless spools or the like. 2,294,677; Sept. 1.
Marshall, Frederick G. (See McGlasson, R., and Marshall, assignors.)
Marshall, Laurence K., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Locally heat-treating metal bodies. 2,294,413; Sept. 1.
Martin Dennis Company, The. (See Bersworth, Frederick C., assignor.)
Martineau, Joseph L., St. Paul, Minn. Antiseptic thermometer holder instrument. 2,294,678; Sept. 1.
Matteson, Elwin A., Youngstown, and K. B. Bowman, Warren, assignors to The Aetna Standard Engineering Company, Youngstown, Ohio. Apparatus for cleaning strip. 2,294,789; Sept. 1.
Matthews, W. N., Corporation. (See Cooley, Murray C., assignor.)
Matuszak, Maryan P., Bartlesville, Okla., and G. H. Morey, Terre Haute, Ind., assignors to Phillips Petroleum Company, Catalyst. 2,294,414; Sept. 1.
Marx, Guilherme S., New York, N. Y. Manufacture of leather articles. 2,294,474; Sept. 1.
Maul, Michael, Berlin-Johannisthal, Germany, vested in The Alien Property Custodian. Analyzing device for statistical machines. 2,294,679; Sept. 1.
Maul, Michael, Berlin-Johannisthal, Germany, vested in The Alien Property Custodian. Sorting machine for record cards. 2,294,680; Sept. 1.
Maytag Company, The. (See Smith, Thomas R., assignor.)
McAllister, William N., Portsmouth, assignor of twenty-five per cent to A. J. Legum, Norfolk, and twenty-five per cent to H. B. Lasting, Portsmouth, Va. Convertible sofa bed. 2,294,475; Sept. 1.
McBride, Lewis M., Edgewood Arsenal, Md. Grenade. 2,294,415; Sept. 1.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,294,604; Sept. 1.
McDonald, John C. (See Ansel, G., and McDonald.)
McEvoy Company. (See Henkell, V. M., Howard, and Zorgdrager, assignors.)
McGlasson, Robert, and F. G. Marshall, Leamington Spa, assignors to Constant Speed Airscrews Limited, Warwick, England. Preventing the formation of ice on aircraft. 2,294,790; Sept. 1.
McLean, Robert E., Fort Francis E. Warren, Wyo. Rotary type can opener. 2,294,507; Sept. 1.
McNeal, Charles E. (See Boyd, R. C., Roach, and McNeal.)
Mehl, Jonah, Cincinnati, Ohio. Garment bag. 2,294,791; Sept. 1.
Mentzer, John P., Chicago, Ill. Examination grader. 2,294,416; Sept. 1.
Mercury Cleaning Systems Incorporated. (See Lindblad, Harald L., assignor.)
Midland Steel Products Company, The. (See Smith, William E., assignor.)
Miller Printing Machinery Co. (See Huffman, Samuel A., assignor.)
Miller, Robert A., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Door construction. 2,294,792; Sept. 1.
Miller, Samuel C., New York, N. Y. Adjustable elevation post and insulator construction. 2,294,624; Sept. 1.
Milprint Incorporated. (See Lasker, Richard, assignor.)
Minor, Marcus L., Atlanta, Ga. Necktie with zipper. 2,294,508; Sept. 1.
Moeller, William, Jersey City, N. J. Lifesaving net 2,294,509; Sept. 1.
Moloney, Raymond T. (See Hooker, D. E., and Nicolaus, assignors.)
Monroe, Benjamin C., Tuscola, Ill. Railroad crossing. 2,294,793; Sept. 1.
Moon, Carroll K., Brooklyn, assignor to International Business Machines Corporation, New York, N. Y. Record card controlled machine. 2,294,681; Sept. 1.
Mooney, Ida M., Oyster Bay, N. Y. Combination seed envelope and marker. 2,294,567; Sept. 1.
Mooney, William F., assignor to Pacific Clay Products Company, Los Angeles, Calif. Apparatus for ceramic casting. 2,294,476; Sept. 1.
Moore, Royal T., Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation. Bag handle. 2,294,848; Sept. 1.
Morack, Marvin M., Scotia, N. Y., assignor to General Electric Company. Electric control system. 2,294,759; Sept. 1.
Morelli, John, assignor to The F. H. White Company, Philadelphia, Pa. Suitcase. 2,294,794; Sept. 1.
Morey, Glen H. (See Matuszak, M. P., and Morey.)
Mori, Dean, Belle Vernon, Pa. Display rack for rugs. 2,294,625; Sept. 1.
Morris, William C., North Chicago, assignor to Poor & Company, Chicago, Ill. Coating metal surfaces. 2,294,760; Sept. 1.
Morris, William C., North Chicago, assignor to Poor & Company, Chicago, Ill. Coating metal surfaces. 2,294,761; Sept. 1.
Morrison, Douglas E., U. S. Army, Trenton, Ga. Altimetric determining device. 2,294,417; Sept. 1.
Moses, Edwin P., White Plains, N. Y., assignor to The New York Central Railroad Company. Boxcar. 2,294,795; Sept. 1.
Moss, William H., London, England, assignor to Celanese Corporation of America. Optical apparatus. 2,294,477; Sept. 1.
Moss, Williamson W., Jr., St. Petersburg, Fla. Making nut butters. 2,294,682; Sept. 1.
Moulder, Lester W., South Charleston, W. Va. Protecting cover for cards, and producing the same. 2,294,796; Sept. 1.
Mullins Manufacturing Corporation. (See Stanitz, J., and Duke, assignors.)
Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Welding machine. 2,294,418; Sept. 1.
Murphy, John W., Concord, Mass. Door check. 2,294,683; Sept. 1.
Nachman, Fred A., Jr., assignor to Nachman Springfilled Corporation, Chicago, Ill. Upholstery batt. 2,294,684; Sept. 1.
Nachman Springfilled Corporation. (See Nachman, Fred A., Jr., assignor.)
Nachman Springfilled Corporation. (See Zimmerman, Fred R., assignor.)
Nagel-Chase Mfg. Co., The. (See Schultz, Edward, Jr., assignor.)
Nakano, Rikio, Honolulu, Hawaii. Hinged ratchet wrench. 2,294,510; Sept. 1.
Nelsen, Karl P., Long Beach, Calif. Ball valve cage. 2,294,568; Sept. 1.

Neiman, Jerome, Woodcliff Lake, N. J. Indicating the water repellent qualities of materials under velocity conditions. 2,294,511; Sept. 1.
Neiman, Jerome, Woodcliff Lake, N. J. Apparatus for determining waterproof and waterrepellent qualities of fabrics. 2,294,512; Sept. 1.
Nelson, Arthur L., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Oscillator. 2,294,797; Sept. 1.
Nelson, George H. (See Norris, R. F., and Nelson.)
Nelson, Oliver J., Fort Scott, Kans. Pumping equipment. 2,294,798; Sept. 1.
Nelson, William, assignor to Racine Universal Motor Company, Racine, Wis. Knurling tool. 2,294,685; Sept. 1.
Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Rotary inertia control device. 2,294,605; Sept. 1.
Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Inertia operated device. 2,294,606; Sept. 1.
New England Butt Company. (See Scott, R. M., and Richardson, assignors.)
New Jersey Machine Corporation. (See von Hofe, George W., assignor.)
Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Refrigerator cabinet. 2,294,686; Sept. 1.
New Wrinkle, Inc. (See Waldie, William A., assignor.)
New York Central Railroad Company, The. (See Moses, Edwin P., assignor.)
Nichols, Harry J., Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y. Telegraph printer. 2,294,687; Sept. 1.
Nichols, Harry J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Telegraph printer. 2,294,688; Sept. 1.
Nicolaus, Frank G. (See Hooker, D. E., and Nicolaus.)
Nordel Corporation. (See Evjen, Knute H., assignor.)
Norris, Ralph F., Madison, Wis., and G. H. Nelson, Chicago, Ill., assignors to Research Products Corporation, Madison, Wis. Method and apparatus for expanding sheet material. 2,294,478; Sept. 1.
North American Rayon Corporation. (See Riley, Rudolph S., assignor.)
Northern Engraving & Manufacturing Company. (See Gelatt, C. D., and Brietzke, assignors.)
Norton Company. (See Wood, Wallace H., assignor.)
Ohio Cultivator Company, The. (See Barker, Eros V., assignor.)
Oneto, John F. (See Malm, L. S., and Oneto.)
O'Reilly, Charles L., New York, N. Y. Vending cabinet. 2,294,689; Sept. 1.
Ohio Nut & Bolt Company, The. (See Reich, Robert A., assignor.)
Olin, John F., Grosse Ile, F. P. Fritsch, Wyandotte, Mich., and J. J. Schaefer, assignor to Sharples Chemicals, Inc., Philadelphia, Pa. Manufacture of nitric acid esters. 2,294,849; Sept. 1.
Olsen, Martin, Jersey City, N. J., Attachments for welders' shields. 2,294,799; Sept. 1.
Ostrander, John P., Benton Harbor, Mich. Ground gear for airplanes. 2,294,850; Sept. 1.
Ottinger, Leon. (See Gage, Edward G., assignor.)
Otto, Carl, New York, N. Y., and F. Wethly, Manhasset, N. Y., assignors to Fuel Refining Corporation, Dover, Del. Underfired coke oven. 2,294,419; Sept. 1.
Ovenshire, Harold L. (See Lo Prete, J. V., and Ovenshire.)
Overhead Door Corporation. (See Blodgett, Herbert C., assignor.)
Overman, Max C., New York, N. Y. Nonskid tire. 2,294,626; Sept. 1.
Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Window attachment. 2,294,851; Sept. 1.
Pacific Clay Products Company. (See Mooney, William F., assignor.)
Pacific Foundry Company. (See De Long, C. A., Baird, and Connolly, assignors.)
Pagendarm, John F. (See Allen, C. E., and Pagendarm.)
Palmer, George E., Detroit, Mich. Apparatus for carrying and launching boats. 2,294,864; Sept. 1.
Parr, Josephus O., Jr., assignor to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,294,627; Sept. 1.
Patent and Licensing Corporation, The. (See Veazey, Marion H., assignor.)
Pearson, Elmer O., assignor to Frank Fluckinger, Seattle, Wash. Glue applying roller. 2,294,513; Sept. 1.
Pearson, Valentine, et al. (See Krantz, Edward, assignor.)
Peck, Chester E., La Crosse, Wis., and J. B. Bambenek, Winona, Minn.; said Bambenek assignor to said Peck. Boot hanger. 2,294,607; Sept. 1.
Pelper, Ernst. (See Bergenthun, W., and Pieper.)
Perkins, Ben H. (See Erskine, A. M., and Perkins.)
Perry, William H., Brookline, Mass. Prewrapped box. 2,294,690; Sept. 1.
Peter, Richard C., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polishing coatings. 2,294,479; Sept. 1.
Petersen, William A., Excelsior Springs, Mo. Pie slice lifter. 2,294,569; Sept. 1.
Petty, Olive S. (See Parr, Josephus O., Jr., assignor.)
Petz, John L., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,294,762; Sept. 1.
Pfening, Frederic D., Columbus, Ohio. Apparatus for cooling bakery products. 2,294,780; Sept. 1.
Phillips Petroleum Company. (See Matuszak, M. P., and Morey, assignors.)
Pieper, Alphonse F., Brighton, N. Y. Fastening means. 2,294,628; Sept. 1.
Pitman, Henry L., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,294,691; Sept. 1.
Pittsburgh Plate Glass Company. (See Gelstharp, Frederick, assignor.)
Pittsburgh Plate Glass Company. (See Miller, Robert A., assignor.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Pittsburgh Plate Glass Company. (See West, George L., assignor.)
Place, Walter R., Union, N. J., assignor to American Can Company, New York, N. Y. Trimming die. 2,294,420; Sept. 1.
Poor & Company. (See Morris, William C.)
Potter, Paul H., Oak Park, Ill. Infinitely variable switch. 2,294,573; Sept. 1.
Pratt, William H., Lynn, Mass., assignor to General Electric Company. Measurement of volt ampere demand. 2,294,692; Sept. 1.
Price, Thomas H., Chelmsford, England, assignor to Radio Corporation of America. Modulation system. 2,294,800; Sept. 1.
Projectile & Engineering Company Limited, The. (See Bridges, W., and Chambers, assignors.)
Ptacek, Joseph F., Milwaukee, Wis. Map. 2,294,570; Sept. 1.
Radio Corporation of America. (See Barton, Loy E., assignor.)
Radio Corporation of America. (See Belar, Herbert, assignor.)
Radio Corporation of America. (See Bierwirth, Rudolph A., assignor.)
Radio Corporation of America. (See Herold, Edward W., assignor.)
Radio Corporation of America. (See Lay, Arthur W., assignor.)
Radio Corporation of America. (See Price, Thomas H., assignor.)
Racine Universal Motor Company. (See Nelson, William, assignor.)
Radtke, Adele. (See Woodruff, Carroll, assignor.)
Radtke, Ernest. (See Woodruff, Carroll, assignor.)
Ravenscroft, Edward A., Glencoe, and R. M. Flint, Waukegan, Ill., assignors to Abbott Laboratories. Container for light-unstable solutions. 2,294,574; Sept. 1.
Rawlins, Herbert L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,294,801; Sept. 1.
Ray, William A., Glendale, Calif. Pilot-operated valve. 2,294,693; Sept. 1.
Ray, William A., Glendale, Calif. Control system. 2,294,694; Sept. 1.
Ray, William A., Glendale, Calif. Valve structure. 2,294,421; Sept. 1.
Raytheon Manufacturing Company. (See Dawson, John W., assignor.)
Raytheon Manufacturing Company. (See Marshall, Laurence K., assignor.)
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Earth boring tool. 2,294,629; Sept. 1.
Reich, Robert A., assignor to The Ohio Nut & Bolt Company, Berea, Ohio. Thumbscrew and making same. 2,294,802; Sept. 1.
Reichel, Frank H., and A. O. Russell, assignors to Sylvania Industrial Corporation, Fredericksburg, Va. Process and apparatus for producing elastic filaments. 2,294,630; Sept. 1.
Reid, John G., San Jose, Calif., assignor to American Can Company, New York, N. Y. Soldering machine. 2,294,422; Sept. 1.
Reinecke, Ernst, assignor to Chr. Hansen's Laboratory, Inc., Little Falls, N. Y. Granulating sifter. 2,294,572; Sept. 1.
Reinhardt, Gustav. (See Bechmann, H., Förster, Reinhardt, and Stöhr.)
Reiter, Bruno, Ruislip, assignor to Bell Punch Company Limited, London, England. Machine for slide fasteners. 2,294,763; Sept. 1.
Remy, Theron P., Los Angeles, Calif. Method and material for treating metal surfaces. 2,294,571; Sept. 1.
Renz, Jany. (See Stoll, A., and Renz.)
Research Products Corporation. (See Norris, R. F., and Nelson, assignors.)
Rich Manufacturing Corporation. (See Rich, George R., assignor.)
Rich, George R., assignor to Rich Manufacturing Corporation, Battle Creek, Mich. Valve. 2,294,803; Sept. 1.
Richardson, William F. (See Scott, R. M., and Richardson.)
Richmond Screw Anchor Co. (See Schenk, Tamis C., assignor.)

Ricketts, Vernon L., Martinez, Calif., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Extreme pressure lubricant. 2,294,804; Sept. 1.
Roach, Harry C. (See Boyd, R. C., Roach, and McNeal.)
Roberts, Fred T., Los Angeles, Calif., assignor to A. H. Bates, Shaker Heights, Ohio. Hollow elastic ball. 2,294,424; Sept. 1.
Robinson, Robert B., Kansas City, Mo. Rotary engine construction. 2,294,805; Sept. 1.
Rocca, John, Graterford, Pa. Toothbrush. 2,294,631; Sept. 1.
Rogers, Walter S. (See Rohweder, C. R., and Rogers.)
Rohweder, Charles R., Belmont, and W. S. Rogers, Falmouth, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Making brush strips. 2,294,480; Sept. 1.
Roth, Charles H. (See Coyle, J. A., and Roth.)
Rubey, William W. (See Fahey, J. J., Fleischer, and Rubey.)
Rudolphsen, Walter A., Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill. Electrical connector. 2,294,608; Sept. 1.
Russell, Arthur O. (See Reichel, F. H., and Russell.)
Ryan, George F., Suoth Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method and apparatus for use in shoemaking employing heat. 2,294,481; Sept. 1.
S. T. & S. Holding Co. (See Stutz, Robert, assignor.)
Samans, Walter, assignor to Sun Oil Company, Philadelphia, Pa. Flange for pressure vessels. 2,294,806; Sept. 1.
Sanderson, Robert T., Sierra Madre, Calif., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Geomicrobiological prospecting. 2,294,425; Sept. 1.
Sandoz A. G. (See Stoll, A., and Renz, assignors.)
Sapp, James E. and M., Bainbridge, Ga. Paper bag holder. 2,294,514; Sept. 1.
Sapp, Mildred. (See Sapp, James E. and M.)
Sardeson, Robert, Minneapolis, Minn., assignor to H. C. Genter, Miami Beach, Fla. Food cooking device. 2,294,695; Sept. 1.
Satona Limited. (See Hartmann, Carl W., assignor.)
Schaefer, Joseph J. (See Olin, J. F., Fritsch, and Schaefer.)
Schenk, Tamis C., assignor to Richmond Screw Anchor Co., Inc., Brooklyn, N. Y. Clamp for column forms. 2,294,632; Sept. 1.
Scherrer, Robert P., Detroit, Mich. Capsule forming apparatus. 2,294,633; Sept. 1.
Schering Corporation. (See Hohlweg, W., and Inhoffen, assignors.)
Schering Corporation. (See Westphal, U., Serini, and Koster, assignors.)
Schlosser, Arthur G., Detroit, Mich, assignor to Candler-Hill Corporation. Pump. 2,294,609; Sept. 1.
Schmitkons, George E., assignor to Standard Oil Company, Chicago, Ill. Olefin production. 2,294,696; Sept. 1.
Schneider, Emmor V., assignor to Alliance Manufacturing Company, Alliance, Ohio. Pickup arm for phonographs. 2,294,575; Sept. 1.
Schneider, Emmor V., assignor to Alliance Manufacturing Company, Alliance, Ohio. Recording phonograph. 2,294,576; Sept. 1.
Schultz, Edward, Jr., assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Caster. 2,294,807; Sept. 1.
Schulz, Arthur P. (See Teller, Jacob, and Schulz.)
Schupbach, Rene M., Cranston, R. I., assignor to Freeman-Daughaday Company. Key holder. 2,294,808; Sept. 1.
Scott, Ashton T. (See Brown, C. R., and Scott.)
Scott, Carl W., Salt Lake City, Utah. Finger ring. 2,294,577; Sept. 1.
Scott, Roger M., and W. F. Richardson, assignor to New England Butt Company, Providence, R. I. Stranding machine. 2,294,634; Sept. 1.
Scully, Sylvester A., New Milford, assignor to Interchemical Corporation, New York, N. Y. Pigment manufacture. 2,294,426; Sept. 1.
Seagram, Joseph E., & Sons, Inc. (See Gallagher, Milton, assignor.)
Sears, Roebuck and Co. (See Lebar, Benjamin F., assignor.)
Secretary of Agriculture of the United States of America. (See Einstein, Hans A., assignor.)
Seip, John J., Allentown, Pa. Clarification and decolorization of liquids. 2,294,697; Sept. 1.
Seliner, Erich, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Method and apparatus for the continuous spinning of artificial silk. 2,294,871; Sept. 1.
Senauke, Alexander, and J. A. Boltson, New York, N. Y. Synchronizing system for internal combustion engines. 2,294,515; Sept. 1.
Serini, Arthur. (See Westphal, U., Serini, and Koster.)
Shapiro, Herbert L., and O. Skutley, Chicago, Ill.; said Skutley assignor to said Shapiro. Steam generator for steaming appliances. 2,294,578; Sept. 1.
Sharples Chemicals Inc. (See Olin, J. F., Fritsch, and Schaefer, assignors.)
Sharples Corporation, The. (See Brown, C. R., and Scott, assignors.)
Shell Development Company. (See Court, William F., assignor.)
Shell Development Company. (See Steadman, H. V., and Davis, assignors.)
Shepheard, Russell. (See Hexter, P. L., and Shepheard.)
Sherman, Rallston M., Glastonbury, Conn. Heating device. 2,294,579; Sept. 1.
Sherwood, Lester L., Los Angeles, Calif. Billfold. 2,294,635; Sept. 1.
Siegmund, Humphreys O., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical contact and terminal bank. 2,294,482; Sept. 1.
Simplex Products Corporation. (See Solenberger, Dean M., assignor.)
Singer Manufacturing Company, The. (See Enos, John P., assignor.)
Skinner, Clifton R., and F. P. Willcox, San Francisco, Calif., assignors to The Folmer Graflex Corporation, Rochester, N. Y. Lamp house for photographic printers. 2,294,580; Sept. 1.
Skutley, Ole. (See Shapiro, H. L., and Skutley.)
Slasor, Nicholas R. (See Winter, August P., and Slasor.)
Smith, Edwin M., Grand Rapids, Mich. Surgical instrument. 2,294,852; Sept. 1.
Smith, Ezra G., Ntley, assignor, by mesne assignments, to International Devices, Incorporated, Orange, N. J. Register. 2,294,853; Sept. 1.
Smith, Ray B. (See Egger, E. J. W., Johanson, and Smith.)
Smith, Ronald B., East Orange, N. J. Mothod of and apparatus for the remote verification of checks. 2,294,809; Sept. 1.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Silencer brake for washing machine drives. 2,294,516; Sept. 1.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Agitator sealing means. 2,294,517; Sept. 1.
Smith, William E., Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Conduit bracket and making same. 2,294,483; Sept. 1.
Snavely, Clarence S., Churchill Borough, and D. P. Fitzsimmons, Trafford, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,294,484; Sept. 1.
Snyder, Harry L., West Los Angeles, Calif. Clothesline. 2,294,581; Sept. 1.
Solenberger, Dean M., assignor to Simplex Products Corporation, Cleveland, Ohio. Piston expander and pin noise eliminator. 2,294,810; Sept. 1.
Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit apparatus. 2,294,485; Sept. 1.
Sorensen, Andrew J., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control apparatus. 2,294,610; Sept. 1.
Sperber, Meyer, Philadelphia, Pa. Laminated fabric. 2,294,518; Sept. 1, 1942.
Spicer, Arthur E., Los Angeles County, Calif. Battery. 2,294,427; Sept. 1.
Squibb, E. R., & Sons. (See Braker, William, assignor.)
Staley, Vinton L. (See Helmer, H. W., and Staley.)
Standard Oil Company. (See Schmitkons, George E., assignor.)
Stanitz, Jacques, Warren, and W. O. Duke, assignors to Mullins Manufacturing Corporation, Salem, Ohio. Wringer. 2,294,583; Sept. 1.
Stanolind Oil and Gas Company. (See Sanderson, Robert T.)
Starr, Oscar L., Mission, San Jose, assignor to Caterpillar Tractor Co., San Leandro, Calif. Piston structure. 2,294,519; Sept. 1.
Staude, Edwin G., Minneapolis, Minn. Adhesive applying mechanism for paper fabricating machines. 2,294,520; Sept. 1.
Steadman, Horace V., and E. E. Davis, Tulsa, Okla., assignors to Shell Development Company, San Francisco, Calif. Removable plug for drilling strings. 2,294,521; Sept. 1.
Stearns, Kenneth R., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Steam chest construction. 2,294,636; Sept. 1.
Steed, Edgar L., Woodside, Long Island, N. Y., assignor, by mesne assignments, to Amertype Recordgraph Corporation, Elizabeth, N. J. Control means for sound recording and reproducing machines. 2,294,854; Sept. 1.
Steffen, Erich, Berlin, Germany, vested in The Alien Property Custodian. Production of polymerization and condensation products from chlorinated hydrocarbons. 2,294,699; Sept. 1.
Stemen, William R. (See Urbain, O. M., and Stemen.)
Stern, Milton C., assignor to The Egry Register Company, Dayton, Ohio. Manifolding stationery. 2,294,486; Sept. 1.
Stettner, Ludwig W., Piedmont, assignor to Victor Equipment Company, San Francisco, Calif. Pressure regulator control valve. 2,294,487; Sept. 1.
Stewart-Warner Corporation. (See Wedeberg, Reuben, assignor.)
Stochamer, Paul, London, England. Treatment of fish. 2,294,428; Sept. 1.
Stöhr, Max. (See Bechmann, H., Förster, Reinhardt, and Stöhr.)

Stoll, Arthur, and J. Renz, assignor to Sandoz A. G., Basel, Switzerland. Crystallized glucoside from red squill. 2,294,811; Sept. 1.

Stroehlen, Richard, Berlin, Germany, assignor to General Electric Company. Elastic fluid power plant. 2,294,700; Sept. 1.

Strout, Leeman F., Stamford, Conn. Swivel joint. 2,294,898; Sept. 1.

Stubblefield, Clarence, Corsicana, Tex. Safety means for railroad switch stands. 2,294,488; Sept. 1.

Stutz, Robert, Arlington, N. J., assignor to S. T. & S. Holding Co., Inc., New York, N. Y. Printing and decorating fabrics. 2,294,429; Sept. 1.

Sullivan, Francis C., McKeesport, Pa. Paving block. 2,294,582; Sept. 1.

Sullivan Machinery Company. (See Lamberton, Ralph E., assignor.)

Sun Oil Company. (See Samans, Walter, assignor.)

Sun Oil Company. (See Thayer, Clarence H., assignor.)

Sylvania Industrial Corporation. (See Reichel, F. H., and Russell, assignors.)

Synchro Machine Company. (See Bruestle, Carl O., assignor.)

Synck, Peter. (See Lebrun, Paul F., assignor.)

Szopieray, John F., Berkeley, Calif. Engine. 2,294,812; Sept. 1.

Taube, Arthur, Jr., Floral Park, N. Y. Dispensing device. 2,294,813; Sept. 1.

Taylor Instrument Companies. (See Edwards, Evan A., assignor.)

Teletype Corporation. (See Zenner, Walter J., assignor.)

Teller, G. and J. (See Teller, J., and Schulz, assignors.)

Teller, Jacob, Chicago, and A. P. Schulz, Hinsdale, assignors to G. and J. Teller, Chicago, Ill., a partnership composed of G. Teller and J. Teller. Table top broiler. 2,294,701; Sept. 1.

Terry, Clifford B., Flushing, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Liquid mixing apparatus. 2,294,489; Sept. 1.

Thayer, Clarence H., Media, assignor to Sun Oil Company, Philadelphia, Pa. Catalytic converter. 2,294,430; Sept. 1.

Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic treatment of hydrocarbon oils. 2,294,584; Sept. 1.

Thomason, Paul E., Charlotte, N. C. Island for dispensing apparatus. 2,294,855; Sept. 1.

Thompson, Benjamin. (See Hasche, R. L., and Thompson.)

Thompson Grinder Co., The. (See Wilson, John C., assignor.)

Thomsen, Ewald C., Kenosha, Wis. Coupling nut. 2,294,637; Sept. 1.

Thomson, John P., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Photographic enlarger or projection printer. 2,294,585; Sept. 1.

Thoren, Theodore R. (See Curtis, R. R., and Thoren.)

Thoreson, Reider. (See MacMillin, H. F., Tucker, and Thoreson.)

Thrailkill Orville W., Wellington, Kans. Floor polishing machine. 2,294,814; Sept. 1.

Tide Water Associated Oil Company. (See Waugh, Stanley P., assignor.)

Titanium Alloy Manufacturing Company, The. (See Walner, Eugene, assignor.)

Tobias, Benjamin, London, and H. K. Warr-Langton, Ealing, London, England. Floor surfacing machine. 2,294,815; Sept. 1.

Toledo Scale Company. (See Bennett, Geoffrey R., assignor.)

Toledo Scale Company. (See Bohannan, Robert S., assignor.)

Toledo Scale Company. (See Williams, Lawrence S., assignor.)

Torstenson, Henry A., et al. (See Krantz, Edward, assignor.)

Tower, Elmer V. J., Grand Ledge, Mich., assignor to The Accurate Parts Manufacturing Company, Cleveland, Ohio. Clutch plate and making same. 2,294,638; Sept. 1.

Trabbic, Lawrence E., Toledo, Ohio. Soldering tip. 2,294,816; Sept. 1.

Trautman, Oscar C., Parma, Ohio. Pot for hot galvanizing and the like. 2,294,400; Sept. 1.

Triner Scale & Manufacturing Company. (See Brown, Andrew G., assignor.)

Troche, Herman J. (See Larsen, N. P., and Troche.)

Trojan Powder Company. (See Wyler, Joseph A., assignor.)

Troller, Theodor H., Akron, assignor to La Del Conveyor & Manufacturing Company, New Philadelphia, Ohio. Axial flow fan structure. 2,294,586; Sept. 1.

Tucker, Warren R. (See MacMillin, H. F., Tucker, and Thoreson.)

Tullis, Boyd W., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Flatiron. 2,294,614; Sept. 1.

Tullis, Boyd W., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Self-heating flatiron. 2,294,615; Sept. 1.

Turrall, George, London, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Pasting mechanism. 2,294,522; Sept. 1.

Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)

Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)

Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)

Underwood Elliott Fisher Company. (See Wise, Elmer L., assignor.)

Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)

Union Switch & Signal Company, The. See Snavely, C. S., and Fitzsimmons, assignors.)

Union Switch & Signal Company, The. (See Sorensen, Andrew J., assignor.)

Union Switch & Signal Company. (See Young, Henry S., assignor.)

United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)

United Shoe Machinery Corporation. (See MacKenzie, Wilbur L., assignor.)

United Shoe Machinery Corporation. (See Rohweder, C. R., and Rogers, assignors.)

United Shoe Machinery Corporation. (See Ryan, George F., assignor.)

U. S. Industrial Alcohol Co. (See Carter, Ray M., assignor.)

United States Loc-Bloc Corporation. (See Wells, William A., assignor.)

United States Printing & Lithograph Company, The. (See Walters, William H., assignor.)

United States Steel Corporation of Delaware. (See Heindlhofer, Kalman, assignor.)

Universal Oil Products Company. (See Gerhold, C. G., and Flock, assignors.)

Universal Oil Products Company. (See Lemen, William E., assignor.)

Universal Oil Products Company. (See Thomas, Charles L., assignor.)

Urbain, Oliver M., and W. R. Stemen, Columbus, assignors to C. H. Lewis, Harpster, Ohio. Liquid purification. 2,294,764; Sept. 1.

Urbain, Oliver M., and W. R. Stemen, Columbus, assignors to C. H. Lewis, Harpster, Ohio. Liquid purification. 2,294,765; Sept. 1.

Van Der Werff, Jacob B., Pasadena, Calif., assignor to Adel Precision Products Corp. Balanced hydraulic valve. 2,294,702; Sept. 1.

Van Dijck, Willem J. D., The Hague, Netherlands, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Extreme pressure lubricant. 2,294,817; Sept. 1.

Van Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Machine for adhesively applying labels and other elements to articles. 2,294,639; Sept. 1.

Van Pazsiczky, Gedeon, Hamburg-Wandsbek, Germany, vested in the Alien Property Custodian. Method of and apparatus for producing glass fibers. 2,294,588; Sept. 1.

Veazey, Marion H., Rutherford, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y. Coloring granules. 2,294,523; Sept. 1.

Velsicol Corporation. (See Hyman, Julius, assignor.)

Verwohlt, Clarence H. (See Wagner, A. J., and Verwohlt.)

Victor Equipment Company. (See Stettner, Ludwig W., assignor.)

Vissac, Gustave A., Vancouver, British Columbia, Canada. Separator. 2,294,587; Sept. 1.

Wagner, August J., Wheeling, W. Va., and C. H. Verwohlt, St. Clairsville, Ohio, assignors to Wheeling Steel Corporation, Wheeling, W. Va. Handling and treatment of skelp or the like. 2,294,611; Sept. 1.

Walner, Eugene, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Purification of zirconium compounds. 2,294,431; Sept. 1.

Waldie, William A., assignor to New Wrinkle, Inc., Dayton, Ohio. Wrinkle finish composition and making. 2,294,703; Sept. 1.

Walker, Clarence P., Union City, N. J., assignor to The Eastern Malleable Iron Company, Naugatuck, Conn. Malleable iron casting. 2,294,491; Sept. 1.

Walker, Joseph B., Los Angeles, Calif. Comparator. 2,294,876; Sept. 1.

Wallace, Archibald L., Northport, N. Y. Affixing couplings to hose. 2,294,640; Sept. 1.

Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Cotton press control mechanism. 2,294,524; Sept. 1.

Walters, William H., Maspeth, Long Island, assignor to The United States Printing & Lithograph Company, Brooklyn, N. Y. Display device. 2,294,641; Sept. 1.

Ware, Severin, Detroit, Mich. Sled. 2,294,704; Sept. 1.

Warr-Langton, Harold K. (See Tobias, B., and Warr-Langton.)

Waterbury, Carl C., Chicago, Ill. Making rubber articles. 2,294,589; Sept. 1.

Waugh, R. R. (See Woodruff, Carroll, assignor.)

Waugh, Stanley P., Westfield, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Inhibitor. 2,294,525; Sept. 1.

Waugh, Stanley P., Westfield, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Stabilized mineral oil composition. 2,294,526; Sept. 1.

Wayne, Truman B., Houston, Tex. Treatment of drilling fluids. 2,294,877; Sept. 1.

Weaver, George W. (See Lamberty, F. R. and Weaver.)

Wedeberg, Reuben, assignor to Stewart-Warner Corporation, Chicago, Ill. Barrel pump. 2,294,705; Sept. 1.

Wedler, Frederick C., Media, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for spreading and stretching fabrics in tubular form. 2,294,642; Sept. 1.

Weidner, George E., Dayton, Ohio. Electrical connector. 2,294,432; Sept. 1.

Weiss, Samuel Brooklyn, N. Y. Carrier for four-in-hands and the like. 2,294,527; Sept. 1.

Weitmann, Otto. (See Harrison, L. S., and Weitmann.)

Welch, William W. (See Fukal, Alfred F., assignor.)

Wells, Robert D., Executor. (See Wells, William A.)

Wells, William A., deceased, Seattle; R. D. Wells, near Seattle, Wash., executor, assignor to United States Loc-Bloc Corporation. Composite structural element. 2,294,528; Sept. 1.

Wengen, Frank J., assignor to Eagles Knitting Mills, Inc., Milwaukee, Wis. Knitted cap. 2,294,529; Sept. 1.

West, George L., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Door. 2,294,856; Sept. 1.

West, Herbert J., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Alkyd resins combined with aminotriazine-aldehyde resins. 2,294,590; Sept. 1.

Western Electric Company. (See Jacobsen, Bent B., assignor.)

Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)

Westinghouse Air Brake Company, The. (See Hewitt, E. E., and Aikman, assignors.)

Westinghouse Air Brake Company, The. (See Hines, Clande M., assignor.)

Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)

Westinghouse Air Brake Company, The. (See Newell, George K., assignor.)

Westinghouse Air Brake Company, The. (See Sorensen, Andrew J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Baker, B. P., and Cunningham, assignors.)

Westinghouse Electric & Manufacturing Company. (See Dorfman, Hiller D., assignor.)

Westinghouse Electric & Manufacturing Company. (See Ely, James K., assignor.)

Westinghouse Electric & Manufacturing Company. (See Rawlins, Herbert L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Stearns, Kenneth R., assignor.)

Westphal, Ulrich, Berlin-Zehlendorf, A. Serini, Berlin, and H. Köster, Berlin-Charlottenburg, Germany, assignors to Schering Corporation, Bloomfield, N. J. Hydroxy ketones of the cyclopentanopolyhydrophenanthrene series and producing the same. 2,294,433; Sept. 1.

Wethly, Frans. (See Otto, C., and Wethly.)

Wheeling Steel Corporation. (See Wagner, A. J., and Verwholt, assignors.)

White, F. H., Company, The. (See Morelli, John, assignor.)

Wiese, Benjamin, Chehalis, Wash. Dehydration apparatus. 2,294,530; Sept. 1.

Wilkinson, Earnest F., Aurora, Ill. Budget bank. 2,294,612; Sept. 1.

Willcox, Frederick P. (See Skinner, C. R., and Willcox.)

Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Resilient wheel. 2,294,818; Sept. 1.

Williams, Edwin A., Jr., Lansdowne, Pa., assignor to General Electric Company. Electric protective device. 2,294,767; Sept. 1.

Williams, Edwin A., Jr., Lansdowne, Pa., assignor to General Electric Company. Electric circuit interrupting device and mounting arrangement therefor. 2,294,766; Sept. 1.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,294,819; Sept. 1.

Wilson, Allen B., Evanston, assignor to Acme Steel Company, Chicago, Ill. Method and apparatus for forming Venetian blind slats and strip material therefor. 2,294,434; Sept. 1.

Wilson, Frank H. (See Cooper, Hugh S., assignor.)

Wilson, John C., assignor to The Thompson Grinder Co., Springfield, Ohio. Dresser attachment for grinding machines. 2,294,492; Sept. 1.

Wilson, John C., assignor to The Thompson Grinder Co., Springfield, Ohio. Apparatus for wheel dressing. 2,294,493; Sept. 1.

Wilson, John C., assignor to The Thompson Grinder Co., Springfield, Ohio. Grinding wheel dresser. 2,294,494; Sept. 1.

Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Color television signal-translating system. 2,294,820; Sept. 1.

Winkelmann, Herbert A., Chicago, Ill. Device for curling hair. 2,294,613; Sept. 1.

Winter, August P., St. Vital, Manitoba, and N. R. Siasor, Winnipeg, Manitoba, Canada; said Siasor assignor to said Winter. Telescopic dump for scale platforms. 2,294,531; Sept. 1.

Wise, Anthony G. (See Gillespie, A. A., Hauser, and Wise.)

Wise, Elmer L., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Record making machine. 2,294,591; Sept. 1.

Witherow, William P. (See Henderson, Albert, assignor.)

Wolf, Edgar, Krefeld, Germany, assignor to Heberlein Patent Corporation, New York, N. Y. Rendering textiles water-repellent. 2,294,435; Sept. 1.

Wood, Wallace H., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,294,872; Sept. 1.

Wooddisse, John T. (See Hathaway, L., and Wooddisse.)

Woodruff, Carroll, Joliet, Ill., assignor of one-tenth to E. and A. Radtke, five percent to F. Kraemer, five percent to R. R. Waugh, five percent to D. Gordon, and thirty-three and one-third percent to D. Harper, Chicago, Ill. Lock. 2,294,495; Sept. 1.

Wurzburg, Francis L., Jr., assignor to Interchemical Corporation, New York, N. Y. Method and apparatus for reproducing pictures. 2,294,643; Sept. 1.

Wurzburg, Francis L., Jr., assignor to Interchemical Corporation, New York, N. Y. Contrast images for making printing plates. 2,294,644; Sept. 1.

Wurzburg, Francis L., Jr., assignor to Interchemical Corporation, New York, N. Y. Printing plate. 2,294,645; Sept. 1.

Wyler, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Preparation and purification of nitrated pentaerythritols. 2,294,592; Sept. 1.

Yelm, Charles W., assignor to The Gates Rubber Company, Denver, Colo. V-type belt. 2,294,821; Sept. 1.

Young, Edward H., Chancellor, Alberta, Canada. Downgrain guard for combines. 2,294,646; Sept. 1.

Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,294,496; Sept. 1.

Zawistowski, Martin, Huntington, N. Y. Portable cutting machine. 2,294,497; Sept. 1.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,294,436; Sept. 1.

Zimmerman, Fred R., assignor to Nachman Springfilled Corporation, Chicago, Ill. Bale of springs. 2,294,706; Sept. 1.

Zimmerman, Fred R., assignor to Nachman Springfilled Corporation, Chicago, Ill. Drum feed spring assembling machine. 2,294,707; Sept. 1.

Zorgdrager, Morey M. (See Henkell, V. M., Howard, and Zorgdrager.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF SEPTEMBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for unreeling bundles of coiled wire and the like. G. H. Rose. Re. 22,172; Sept. 1.
Electric light and power system. W. S. H. Hamilton. Re. 22,168; Sept. 1.
Gears, Hobbing. O. T. Staples. Re. 22,173; Sept. 1.
Milk—Preparing dried. N. M. Kronberg. Re. 22,170; Sept. 1.
Mower. T. W. Paul. Re. 22,171; Sept. 1.
Seal, Floating roof. H. Hammeren. Re. 22,169; Sept. 1.

LIST OF PLANT INVENTIONS

Carnation plant. D. A. L. Napier. 544; Sept. 1.

LIST OF DESIGN INVENTIONS

Acrobatic apparatus. R. W. and L. D. R. Copeland. 133,615; Sept. 1.
Airplane. R. W. Huzzard. 133,634–5; Sept. 1.
Airplane. R. E. Metz. 133,670; Sept. 1.
Amphibian plane. R. W. Huzzard. 133,667; Sept. 1.
Battery selector. J. F. Coakley. 133,639; Sept. 1.
Blind, Venetian. T. J. Black. 133,609; Sept. 1.
Board, Garment measuring. P. C. Bowen. 133,611; Sept. 1.
Boot, Rubber. G. H. Bingham, Jr. 133,632; Sept. 1.
Bottle closure. E. Simmons. 133,643; Sept. 1.
Bowl or the like, Shaving. F. McIntosh. 133,636; Sept. 1.
Bracelet link. L. G. Meyers. 133,657; Sept. 1.
Brooch or similar article. A. Katz. 133,668; Sept. 1.
Chair or the like. H. Hollander. 133,625; Sept. 1.
Chair, Relaxing. R. Mints. 133,642; Sept. 1.
Chest or similar article. A. J. Buckner. 133,612; Sept. 1.
Coat. H. M. Frumkes. 133,623; Sept. 1.
Coat. B. Hoffmann. 133,677; Sept. 1.
Demonstrator, Sun's ray. L. G. Haase. 133,617; Sept. 1.
Display device, Merchandise shelf. R. Freedman. 133,616; Sept. 1.
Dress or similar article. H. Belspel. 133,621–2; Sept. 1.
Dress or similar article. H. Belspel. 133,624–31; Sept. 1.
Dress. E. Evans. 133,674; Sept. 1.
Dress. B. Hoffmann. 133,676; Sept. 1.
Dress. B. Keller. 133,678; Sept. 1.
Dress. M. Norton. 133,679–83; Sept. 1.
Dress. J. Richards. 133,684; Sept. 1.
Dress. H. H. Stahl. 133,685; Sept. 1.
Dress. S. Zahn. 133,686–9; Sept. 1.
Dwelling. W. Neff. 133,658; Sept. 1.
Fabric or similar article, Decorative. J. De Nicola. 133,654; Sept. 1.
Fan stand and fan, Combined. A. F. Futral. 133,665; Sept. 1.
Game board. P. H. Chamberlin. 133,614; Sept. 1.
Glove. M. W. Balboa. 133,661–2; Sept. 1.
Hat. M. Solash. 133,659; Sept. 1.
Magneto of base mounting type. E. A. Vogel. 133,651; Sept. 1.
Magneto of flange mounting type. E. A. Vogel. 133,650; Sept. 1.
Marksmanship apparatus. E. E. Fairchild. 133,664; Sept. 1.
Motion picture camera-enclosure casing. W. H. Bach. 133,627; Sept. 1.
Motion picture camera motor-drive casing. W. H. Bach. 133,626; Sept. 1.
Muff. M. Baer. 133,660; Sept. 1.
Negligee. R. Halpern. 133,675; Sept. 1.
Overshoe, Arctic. H. Arnoff. 133,638; Sept. 1.
Oxygen mask and rebreathing bag or similar article, Combined. A. H. Bulbulian. 133,608; Sept. 1.
Pillow top or the like. H. W. Carpenter. 133,653; Sept. 1.
Pin or similar article. B. Anderson. 133,652; Sept. 1.
Puzzle or similar article, Block. J. R. O'Neil. 133,619; Sept. 1.
Receptacle holder and stirrer, Combined paint. J. C. Kelly and E. R. Brazle. 133,618; Sept. 1.
Scarf or similar article. M. Krawitz. 133,637; Sept. 1.
Scarf or similar article. M. Krawitz. 133,655; Sept. 1.
Shoe. H. L. Sutcliffe. 133,644–9; Sept. 1.
Sign or similar article, Advertising. H. E. Cole. 133,640; Sept. 1.
Slip. H. B. Levy. 133,669; Sept. 1.
Sofa. A. J. Buckner. 133,613; Sept. 1.
Stove, Tent. L. Heuer. 133,633; Sept. 1.
Switch contact. V. L. High. 133,641; Sept. 1.
Table or the like. H. Hollander. 133,624; Sept. 1.
Textile fabric or similar article, Needle-point woven. H. W. Wilde. 133,671–3; Sept. 1.
Toothbrush, Rotary. D. Borgeat. 133,610; Sept. 1.
Trimming, Embroidered. H. Krieger. 133,656; Sept. 1.
Typewriting machine. R. G. Thompson. 133,620; Sept. 1.
Vehicle tax stamp holder or the like. P. E. Beason. 133,663; Sept. 1.
X-ray tube head. E. R. Goldfield. 133,666; Sept. 1.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF SEPTEMBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accumulator, Air ballasted. R. J. Feuchter. 2,294,397; Sept. 1.
Accumulator and control circuit for hydraulic presses, Air ballasted. R. J. Feuchter. 2,294,396; Sept. 1.
Acids, Treatman of tall oil. C. R. Brown and A. T. Scott. 2,294,446; Sept. 1.
Actuating means for serial numbering and notching cards, Vacuum. T. C. Andrews. 2,294,371; Sept. 1.
Adhesive applying mechanism for paper fabricating machines. E. G. Staude. 2,294,520; Sept. 1.
Aircraft air pump. R. R. Curtis and T. R. Thoren. 2,294,386–7; Sept. 1.
Airplane, Flying wing. J. W. P. Fleming. 2,294,367; Sept. 1.
Airplane wing and fuselage. F. E. Best. 2,294,359; Sept. 1.
Airscrew for airplanes, Variable pitch. D. H. Bottrill. 2,294,867; Sept. 1.
Airscrew for airplanes, Variable-pitch. D. H. Bottrill. 2,294,868; Sept. 1.
Alloy: *See*—
Electrical resistance alloy.
Alternating current motor. E. Dickten, Jr. 2,294,449; Sept. 1.
Aluminum base metal composition. F. R. Hensel and E. I. Larsen. 2,294,405; Sept. 1.
Aluminum, Production of. H. L. Gentil. 2,294,546; Sept. 1.
Aluminum surfaces, Treating anodized. C. R. Carney. 2,294,717; Sept. 1.
Amino compounds, Forming. F. C. Bersworth. 2,294,442; Sept. 1.
Amplifier apparatus, Carrier current. P. du Mont. 2,294,735; Sept. 1.
Analyzing device for statistical machines. M. Maul. 2,294,679; Sept. 1.
Antenna, Automotive vehicle. L. S. Brach. 2,294,362; Sept. 1.
Apparatus employed in the hardening and tempering of armour piercing projectiles. W. Bridges and A. J. Chambers. 2,294,829; Sept. 1.
Apparatus for carrying and launching boats. G. E. Palmer. 2,294,864; Sept. 1.
Apparatus for ceramic coating. W. F. Mooney. 2,294,476; Sept. 1.
Apparatus for cleaning strip. E. A. Matteson and K. Bowman. 2,294,789; Sept. 1.
Apparatus for continuously conditioning thread or the like. H. B. Kline, R. F. Bergmann, W. F. Knebusch, and A. H. Burkholder. 2,294,870; Sept. 1.
Apparatus for cooling bakery products. F. D. Pfening. 2,294,780; Sept. 1.
Apparatus for determining waterproof and water repellent qualities of fabrics. J. Neiman. 2,294,512; Sept. 1.
Apparatus for making very fine measurement. R. W. Carson. 2,294,831; Sept. 1.
Apparatus for proofing cartons and the like. C. W. Hartmann. 2,294,599; Sept. 1.
Apparatus for sampling liquid. H. A. Einstein. 2,294,655; Sept. 1.
Apparatus for sharpening skates. P. Bruno. 2,294,715; Sept. 1.
Apparatus for spreading and stretching fabrics in tubular forms. F. C. Wedler. 2,294,642; Sept. 1.
Apparatus for testing eyes. G. H. Leland. 2,294,787; Sept. 1.
Apparatus for the manufacture of anchor nuts. D. C. Hungerford. 2,294,458; Sept. 1.
Apparatus for verifying statistical data. A. H. Dickinson. 2,294,720; Sept. 1.
Apparatus for wheel dressing. J. C. Wilson. 2,294,493; Sept. 1.
Arbor for supporting tubes forming headless spools or the like, Self-locking. G. B. Markle, Jr. 2,294,677; Sept. 1.
Arrangement for the drive of rotary printing presses. C. Kiessling, A. Garde, and N. J. E. Haglöf. 2,294,620; Sept. 1.
Article, Printed. R. Lasker. 2,294,465; Sept. 1.
Articles, Making decorated. O. Frankenthal and R. Lederer. 2,294,865; Sept. 1.
Articles, Manufacture of leather. G. S. Marx. 2,294,474; Sept. 1.
Assembling machine, Drum feed spring. F. R. Zimmerman. 2,294,707; Sept. 1.
Attachment for grinding machines, Dresser. J. C. Wilson. 2,294,492; Sept. 1.
Attachment for welders' shields. M. Olsen. 2,294,799; Sept. 1.
Azo compound. W. Braker. 2,294,380; Sept. 1.
Bag: *See*—
Garment bag. Valvular bag.
Multiply bag.
Bag handle. R. T. Moore. 2,294,848; Sept. 1.
Baling. E. V. Barker. 2,294,440; Sept. 1.
Bank, Budget. E. F. Wilkinson. 2,294,612; Sept. 1.
Barrel pump. R. Wedeberg. 2,294,705; Sept. 1.
Barrel, Wooden aging. M. Gallagher. 2,294,744; Sept. 1
Battery. A. E. Spicer. 2,294,427; Sept. 1.
Bearing: *See*—
Silver bearing.
Bed, Convertible sofa. W. N. McAllister. 2,294,475; Sept. 1.
Belt, V-type. C. W. Yelm. 2,294,821; Sept. 1.
Bevel, Degree. J. B. Hagen. 2,294,553; Sept. 1.
Billfold. L. L. Sherwood. 2,294,635; Sept. 1.
Binocular eye test. H. M. Burian. 2,294,382; Sept. 1.
Block: *See*—
Building block. Paving block.
Bodies, Forming batch. G. W. Batchell. 2,294,373; Sept. 1.
Bookrack. W. P. Lamar. 2,294,563; Sept. 1.
Bookrack, Adjustable. M. L. Dice. 2,294,595; Sept. 1.
Boot hanger. C. E. Peck and J. B. Bambenek 2,294,607; Sept. 1.
Bottle carrier. A. A. Gordon. 2,294,874; Sept. 1.
Box: *See*—
Prewrapping box.
Boxcar. E. P. Moses. 2,294,795; Sept. 1.
Brace, Cradle. C. Huber. 2,294,663; Sept. 1.
Bracket: *See*—
Conduit bracket.
Brake: *See*—
Fluid pressure brake. Railway vehicle brake.
Brake control apparatus. A. J. Sorensen. 2,294,610; Sept. 1.
Brake control system. C. M. Hines. 2,294,602; Sept. 1.
Brake drums, Manufacturing. F. H. Le Jeune. 2,294,466; Sept. 1.
Brake for washing machine drives, Silencer. T. R. Smith. 2,294,516; Sept. 1.
Brake lever. H. S. Jandus. 2,294,667; Sept. 1.
Broiler, Table top. J. Teller and A. P. Schulz. 2,294,701; Sept. 1.
Brush lifting relay. R. M. Heintz. 2,294,754; Sept. 1.
Building block. M. E. Freeman. 2,294,776; Sept. 1.
Burner: *See*—
Ribbon flame burner.
Bushing, Resilient. F. M. Guy. 2,294,452; Sept. 1.
Cabinet: *See*—
Refrigerator cabinet. Vending cabinet.
Cage, Ball valve. K. P. Nellsen, 2,294,568; Sept. 1.
Camera and projector apparatus. C. Langberg and G. A. Ffoulkes. 2,294,622; Sept. 1.
Camera, Reflex. M. Bressler. 2,294,445; Sept. 1.
Cap: *See*—
Knitted cap.
Capsule forming apparatus. R. P. Scherer. 2,294,633; Sept. 1.
Car construction. B. W. Kadel. 2,294,502; Sept. 1.
Carburetor. F. Jeck. 2,294,847; Sept. 1.
Carrier: *See*—
Bottle carrier.
Carrier for four-in-hands and the like. S. Weiss. 2,294,527; Sept. 1.
Cartridge. G. N. Albree. 2,294,822; Sept. 1.
Caster. E. Schultz, Jr. 2,294,807; Sept. 1.
Casting, Malleable iron. C. P. Walker. 2,294,491; Sept. 1.
Catalyst. M. P. Matuszak and G. H. Morey. 2,294,414; Sept. 1.
Catalytic converter. C. H. Thayer. 2,294,430; Sept. 1
Catalytic treatment of hydrocarbon oils. C. L. Thomas 2,294,584; Sept. 1.
Caterpillar, in particular roller chain. C. H. Köhn 2,294,409; Sept. 1.
Centrifugal separator. H. O. Lindgren. 2,294,468 Sept. 1.
Chain take-up mechanism for chain grate stokers. R. L. Beers. 2,294,441; Sept. 1.
Chair: *See*—
Infants' training chair.
Chest construction, Steam. K. R. Stearns. 2,294,636; Sept. 1.
Chucking mechanism. L. O. Carlsen. 2,294,447; Sept. 1.
Circuit: *See*—
Electric valve circuit. Photocell circuit.
Electron discharge device and circuit.
Circuit breaker. H. D. Dorfman. 2,294,838; Sept. 1.

Circuit interrupter. B. P. Baker and R. C. Cunningham. 2,294,824; Sept. 1.
Circuit interrupter. H. L. Rawlins. 2,294,801; Sept. 1.
Clamp for column forms. T. C. Schenk. 2,294,632; Sept. 1.
Clamp for window sill air conditioners. A. B. Hubbard. 2,294,664; Sept. 1.
Clarification and decolorization of liquids. J. J. Seip. 2,294,697; Sept. 1.
Cleat, Shoe. H. D. King and K. J. Durant. 2,294,462; Sept. 1.
Cleaner: *See*—
Phonograph-record cleaner.
Closure device for vertically acting doors. H. C. Blodgett. 2,294,361; Sept. 1.
Closure latch, Time controlled. H. L. Lindblad. 2,294,505; Sept. 1.
Clothesline. H. L. Snyder. 2,294,581; Sept. 1.
Clutch plate and making same. E. V. J. Tower. 2,294,638; Sept. 1.
Coated material, High-gloss. W. M. Billing. 2,294,651; Sept. 1.
Coating materials, Preparing. P. L. Hexter and R. Shepheard. 2,294,875; Sept. 1.
Coating, Metal. A. W. Harris. 2,294,750; Sept. 1.
Coatings, Polishing. R. C. Peter. 2,294,479; Sept. 1.
Color photography. J. Eggert and G. Heymer. 2,294,731; Sept. 1.
Colostomy device. C. B. Carhart. 2,294,537; Sept. 1.
Comparator. J. B. Walker. 2,294,876; Sept. 1.
Composition for the treatment of poultry coccidiosis. L. R. Harrison. 2,294,401; Sept. 1.
Composition, Making wrinkle finish. W. A. Waidle. 2,294,703; Sept. 1.
Composition, Neoprene. G. M. Hamilton. 2,294,845; Sept. 1.
Compressed air actuating means for notching cards. T. C. Andrews. 2,294,370; Sept. 1.
Connector: *See*—
Electric connector. Electrical connector.
Condensation products, Aminotriazine-aldehyde. G. F. D'Alelio. 2,294,873; Sept. 1.
Conduit bracket, and making same. W. E. Smith. 2,294,483; Sept. 1.
Contact decolorization. J. Hyman. 2,294,779; Sept. 1.
Contact member. J. K. Ely. 2,294,783; Sept. 1.
Container: *See*—
High pressure fluid container. Window container.
Container. C. H. Erne. 2,294,393; Sept. 1.
Container construction. B. Blair. 2,294,652; Sept. 1.
Container for light-unstable solutions. E. A. Ravenscroft and R. M. Flint. 2,294,574; Sept. 1.
Control means for sound recording and reproducing machines. E. L. Steed. 2,294,854; Sept. 1.
Control system. M. A. Edwards and K. K. Bowman. 2,294,775; Sept. 1.
Control system. W. A. Ray. 2,294,694; Sept. 1.
Control mechanism, Cotton press. J. J. Wallace. 2,294,524; Sept. 1.
Conveyor for use with machines for proofing cartons and the like. C. W. Hartmann. 2,294,598; Sept. 1.
Cooking device, Food. R. Sardeson. 2,294,695; Sept. 1.
Counterbalance for vertically sliding doors. H. C. Blodgett. 2,294,360; Sept. 1.
Coupling: *See*—
Hydraulic coupling.
Coupling device for vehicles. W. E. Berg and J. C. Elikofer. 2,294,710; Sept. 1.
Coupling means for cables. W. A. Bruno. 2,294,738; Sept. 1.
Couplings to hose, Affixing. A. L. Wallace. 2,294,640; Sept. 1.
Cover for cards, and producing the same, Protecting. L. W. Moulder. 2,294,796; Sept. 1.
Cremator. C. A. De Long, D. Baird, and C. E. Connolly. 2,294,390; Sept. 1.
Crushing device, Pecan. C. A. Aber. 2,294,358; Sept. 1.
Cultivator, Rotary. G. W. Lutz. 2,294,470; Sept. 1.
Cutter teeth for well drills. L. E. Garfield. 2,294,544; Sept. 1.
Cutting machine, Portable. M. Zawistowski. 2,294,497; Sept. 1.
Cylinder having separate adjustable pressures, Blankholder and die cushion. W. Ernst. 2,294,451; Sept. 1.
Deck, Portable. G. G. Greulich. 2,294,549-50; Sept. 1.
Degradation products containing carboxyl groups from compounds of the estrane series containing at least one double bond in ring B. W. Hohlweg and H. H. Inhoffen. 2,294,616; Sept. 1.
Dehydration apparatus. B. Wiese. 2,294,530; Sept. 1.
Demodulator, Photocell hum. H. Belar. 2,294,376; Sept. 1.
Demodulator, Photocell hum. R. A. Bierwirth. 2,294,377; Sept. 1.
Determining device, Altimetric. D. E. Morrison. 2,294,417; Sept. 1.
Device for curling hair. H. A. Winkelmann. 2,294,613; Sept. 1.
Device to indicate an atmospheric condition. C. D. Gelatt and A. P. Brietzke. 2,294,545; Sept. 1.
Die: *See*—
Trimming die.
Dish, Serving. G. M. Flanagan. 2,294,657; Sept. 1.
Dispenser. S. Bloomfield. 2,294,594; Sept. 1.
Dispensing device. A. Taube, Jr. 2,294,813; Sept. 1.
Display device. W. H. Walters. 2,294,641; Sept. 1.
Display rack for rugs. D. Mori. 2,294,625; Sept. 1.
Door. G. L. West. 2,294,856; Sept. 1.
Door check. J. W. Murphy. 2,294,683; Sept. 1.
Door construction. R. A. Miller. 2,294,792; Sept. 1.
Drill pipe protector and tool therefor. E. S. Long. 2,294,506; Sept. 1.
Earth boring tool. C. E. Reed. 2,294,629; Sept. 1.
Elastic filaments, Process and apparatus for producing. F. H. Reichel and A. O. Russell. 2,294,630; Sept. 1.
Electric circuit interrupting device and mounting arrangement therefor. E. A. Williams, Jr. 2,294,766; Sept. 1.
Electric connector. W. A. Bruno. 2,294,737; Sept. 1.
Electric control system. M. M. Morack. 2,294,759; Sept. 1.
Electric fluid turbine arrangement. S. N. Hedman. 2,294,753; Sept. 1.
Electric hair clipper. J. W. Boerger. 2,294,713; Sept. 1.
Electric motor control system. H. Bechmann, J. Förster, G. Reinhardt, and M. Stohr. 2,294,709; Sept. 1.
Electric protective device. E. A. Williams, Jr. 2,294,767; Sept. 1.
Electric translating system. O. W. Livingston. 2,294,671; Sept. 1.
Electric valve circuit. O. W. Livingston. 2,294,672; Sept. 1.
Electrical apparatus. M. C. Cooley. 2,294,833; Sept. 1.
Electrical apparatus, Safely servicing dangerous. E. G. Gage. 2,294,843; Sept. 1.
Electrical connector. G. E. Weidner. 2,294,432; Sept. 1.
Electrical connector. W. A. Rudolphsen. 2,294,608; Sept. 1.
Electrical contact and terminal bank. H. O. Siegmund. 2,294,482; Sept. 1.
Electrical oscillator apparatus for medical purposes. A. W. Lay. 2,294,411; Sept. 1.
Electrical pickup for stringed musical instruments. W. L. Fuller. 2,294,861; Sept. 1.
Electrical relay. C. S. Snavely and D. P. Fitzsimmons. 2,294,484; Sept. 1.
Electrical resistance alloy. R. S. Dean and C. T. Anderson. 2,294,389; Sept. 1.
Electrical storage and delay circuits. B. M. Hadfield. 2,294,863; Sept. 1.
Electron discharge device and circuit. E. W. Herold. 2,294,659; Sept. 1.
Electronic emission device. D. Applebaum. 2,294,533; Sept. 1.
Enamel, Method and apparatus for producing vitreous. R. C. Boyd, H. C. Roach, and C. E. McNeal. 2,294,828; Sept. 1.
Enclosure for building frames, Fireproof. A. Henderson. 2,294,554; Sept. 1.
Engine. J. F. Szopieray. 2,294,812; Sept. 1.
Engine-driven pump. L. Hathaway and J. T. Wooddisse. 2,294,454; Sept. 1.
Ethylene oxide, Preparation of. R. M. Carter. 2,294,383; Sept. 1.
Extractor: *See*—
Fishhook extractor.
Eye protector. D. E. Kimball. 2,294,561; Sept. 1.
Fabric: *See*—
Laminated fabric.
Fabrics, Printing and decorating. R. Stutz. 2,294,429; Sept. 1.
Fan structure, Axial flow. T. H. Troller. 2,294,586; Sept. 1.
Fastener: *See*—
Resilient rail fastener.
Fastener driving tool. E. Krant. 2,294,463; Sept. 1.
Fastener for leggings. B. Frank. 2,294,842; Sept. 1.
Fastening means. A. F. Pieper. 2,294,628; Sept. 1.
Feeding apparatus in typing or printing. H. J. Keating and J. E. Keeting. 2,294,784; Sept. 1.
Filaments, foils and similar materials, Manufacture of artificial. H. Dreyfus. 2,294,450; Sept. 1.
Finger ring. C. W. Scott. 2,294,577; Sept. 1.
Fish, Treatment of. P. Stockhamer. 2,294,428; Sept. 1.
Fishhook extractor. W. V. Manske. 2,294,758; Sept. 1.
Fire control training system. J. C. Karnes. 2,294,408; Sept. 1.
Fitting, Bull plug. V. M. Henkell, J. H. Howard, and M. M. Zorgdrager. 2,294,499; Sept. 1.
Fitting for flexible or semi flexible cable, Terminal. R. M. Ferguson. 2,294,398; Sept. 1.
Flange for pressure vessels. W. Samans. 2,294,806; Sept. 1.
Flatiron. B. W. Tullis. 2,294,614; Sept. 1.
Flatiron, Self-heating. B. W. Tullis. 2,294,615. Sept. 1.
Fluid, Direct process duplicating. J. Bjorksten. 2,294,711; Sept. 1.
Fluid pressure brake. J. C. McCune. 2,294,604; Sept. 1.
Fluid reclamation apparatus. C. C. Jones. 2,294,460; Sept. 1.
Fluid transmission members, Method and apparatus for casting. A. Y. Dodge. 2,294,837; Sept. 1.
Fluids, Treatment of drilling. T. B. Wayne. 2,294,877; Sept. 1.
Fountain glass washer. S. Karas. 2,294,668; Sept. 1.
Fountain pen. K. Dole. 2,294,596; Sept. 1.

Fuel supply, carburetion, and supercharger system and apparatus for internal combustion engines. O. C. Funderburk. 2,294,743; Sept. 1.
Furnace wall construction. L. S. Longenecker. 2,294,788; Sept. 1.
Garment. A. A. Eckerling. 2,294,859; Sept. 1.
Garment and closure therefor. O. Horowitz. 2,294,617; Sept. 1.
Garment bag. J. Mehl. 2,294,791; Sept. 1.
Gear: *See*—
Landing gear.
Gear for airplanes, Ground. J. P. Ostrander. 2,294,850; Sept. 1.
Gear shifting mechanism. W. J. Andres. 2,294,823; Sept. 1.
Generators, Operating vapor. R. D. Junkins. 2,294,501; Sept. 1.
Geological explorations, Method and apparatus for making. K. H. Evjen. 2,294,395; Sept. 1.
Geomicrobiological prospecting. R. T. Sanderson 2,294,425; Sept. 1.
Glass batch, Phosphate. F. Geistharp. 2,294,844; Sept. 1.
Glass fibers, Method of and apparatus for producing. G. von Pazsiczky. 2,294,588; Sept. 1.
Glucoside form red squill, Crystallized. A. Stoll and J. Renz. 2,294,811; Sept. 1.
Glue applying roller. E. O. Pearson. 2,294,513; Sept. 1.
Governor, Injection pump. B. Loeffler. 2,294,469; Sept. 1.
Grader, Examination. J. P. Mentzer. 2,294,416; Sept. 1.
Granules, Coloring. M. H. Veazey. 2,294,523; Sept. 1.
Grenade. L. M. McBride. 2,294,415; Sept. 1.
Grinding machine. S. G. Brady. 2,294,733; Sept. 1.
Grinding machine. W. H. Wood. 2,294,872; Sept. 1.
Grinding wheel dresser. J. C. Wilson. 2,294,494; Sept. 1.
Gripping device for vehicle wheels, Snow, ice and mud. J. J. Cook. 2,294,772; Sept. 1.
Guards for combines, Down-grain. E. H. Young. 2,294,646; Sept. 1.
Gun, Light ray. D. E. Hooker and F. G. Nicolaus. 2,294,558; Sept. 1.
Handle: *See*—
Bag handle.
Handle attachment. H. Hibbard. 2,294,661; Sept. 1.
Hanger: *See*—
Boot hanger.
Hard surfacing alloy for ferrous foundation metal. H. S. Cooper. 2,294,834; Sept. 1.
Hatband, Leather composite. H. Cooper. 2,294,654; Sept. 1.
Heating device. R. M. Sherman. 2,294,579; Sept. 1.
Hectograph blanket and treating same. W. J. Champion. 2,294,384; Sept. 1.
Hemmer attachment. J. P. Enos. 2,294,740; Sept. 1.
Hinge construction. J. G. Joachim. 2,294,459; Sept. 1.
High pressure fluid container. S. E. Allen. 2,294,858; Sept. 1.
Hinged ratchet wrench. R. Nakano. 2,294,510; Sept. 1.
Holder: *See*—
Key holder. Paper bag holder.
Lipstick holder.
Hollow elastic ball. F. T. Roberts. 2,294,424; Sept. 1.
Hydraulic coupling. W. Black and R. Fichtner. 2,294,768; Sept. 1.
Hydraulic disruption of solids. W. F. Court. 2,294,719; Sept. 1.
Hydraulic valve, Balanced. J. B. Van Der Werff. 2,294,702; Sept. 1.
Hydrocarbons, Treatment of. C. G. Gerhold and B. J. Flock. 2,294,547; Sept. 1.
Hydroxy ketones of the cyclopentanopolyhydrophenanthrene series and producing the same. U. Westphal, A. Serini, and H. Köster. 2,294,433; Sept. 1.
Ice on aircraft, Preventing the formation of. R. McGlasson and F. G. Marshall. 2,294,790; Sept. 1.
Images for making printing plates, Contrast. F. L. Wurzburg, Jr. 2,294,644; Sept. 1.
Indicator: *See*—
Remote indicator.
Indicator for game apparatus, Objective. J. C. Koci. 2,294,603; Sept. 1.
Inertia control device, Rotary. G. K. Newell. 2,294,605; Sept. 1.
Inertia operated device. G. K. Newell. 2,294,606; Sept. 1.
Infant's training chair. M. B. Eidson. 2,294,366; Sept. 1.
Inhibitor. S. P. Waugh. 2,294,525; Sept. 1.
Instrument, Container. H. B. Chafin. 2,294,538; Sept. 1.
Instrument for measuring effective temperatures. E. A. Edwards. 2,294,540; Sept. 1.
Instrument, Measuring. L. S. Malm and J. F. Oneto. 2,294,566; Sept. 1.
Island for dispensing apparatus. P. E. Thomason. 2,294,855; Sept. 1.
Jack. J. Goetz. 2,294,745; Sept. 1.
Joint: *See*—
Rail expansion joint. Swivel joint.
Rubber joint.
Key holder. R. M. Schupbach. 2,294,808; Sept. 1.
Knitted cap. F. J. Wengen. 2,294,529; Sept. 1.
Knurling tool. W. Nelson. 2,294,685; Sept. 1.
Laminated fabric. M. Sperber. 2,294,618; Sept. 1.
Lamp and electrical circuits therefor, Low voltage gaseous tube. P. F. Lebrun. 2,294,623; Sept. 1.
Lamp house for photographic printers. C. R. Skinner and F. P. Willcox. 2,294,580; Sept. 1.
Landing gear. C. R. Lemonier. 2,294,467; Sept. 1.
Latch: *See*—
Closure latch.
Level controller, Aquapoise liquid. G. W. Dick. 2,294,391; Sept. 1.
Lipstick holder. A. Feib. 2,294,656; Sept. 1.
Liquid dispersions, Degasification of. R. B. Booth. 2,294,827; Sept. 1.
Liquid meter. R. S. Bassett. 2,294,825; Sept. 1.
Liquid purification. O. M. Urbain and W. R. Stemen. 2,294,764–5; Sept. 1.
Lifter: *See*—
Pie slice lifter.
Lock: *See*—
Window lock.
Lock. C. Woodruff. 2,294,495; Sept. 1.
Locomotive brake equipment. E. E. Hewitt. 2,294,601; Sept. 1.
Lubricant, Extreme pressure. V. L. Ricketts. 2,294,804; Sept. 1.
Lubricant, Extreme pressure. W. J. D. van Dijck. 2,294,817; Sept. 1.
Lubricant, Wire drawing. A. W. Burwell. 2,294,535; Sept. 1.
Lubricator, Automatic. J. V. Lo Prete and H. L. Ovenshire. 2,294,673; Sept. 1.
Machine for adhesively applying labels and other elements to articles. G. W. von Hofe. 2,294,639; Sept. 1.
Machine for operating upon soles. F. E. Bertrand. 2,294,443; Sept. 1.
Machine for slide fasteners. B. Reiter. 2,294,763; Sept. 1.
Machine, Hardware and screen cloth. N. S. Harter. 2,294,369; Sept. 1.
Magnesium and the like, Extinguishing burning molten. J. J. Fahey, M. Fleischer, and W. W. Rubey. 2,294,532; Sept. 1.
Magnesium-base alloys, Rolling. G. Ansel and J. C. McDonald. 2,294,648; Sept. 1.
Mat. J. F. Ptacek. 2,294,570; Sept. 1.
Material, Marking. H. W. Helmer and V. L. Staley. 2,294,403; Sept. 1.
Measurement of volt ampere demand. W. H. Pratt. 2,294,692; Sept. 1.
Measuring apparatus, Density. H. E. T. Haultain. 2,294,455; Sept. 1.
Mechanism for typographical machine and the like, Selectively operable. H. D. Colman. 2,294,385; Sept. 1.
Merchandising device, Mobile. C. M. Hatfield. 2,294,752; Sept. 1.
Metal bodies, Locally heat-treating. L. K. Marshall. 2,294,413; Sept. 1.
Metal stretching press. H. F. MacMillin, W. R. Tucker, and R. Thoreson. 2,294,676; Sept. 1.
Metal surfaces, Coating. W. C. Morris. 2,294,760–1; Sept. 1.
Metal surfaces, Method and material for treating. T. P. Remy. 2,294,571; Sept. 1.
Meter: *See*—
Liquid meter.
Mixing apparatus, Liquid. C. B. Terry. 2,294,489; Sept. 1.
Modulation system. T. H. Price. 2,294,800; Sept. 1.
Molder. H. T. Kraft. 2,294,621; Sept. 1.
Motor: *See*—
Alternating current motor.
Motor positioning system. W. P. Lear. 2,294,786; Sept. 1.
Movement for measuring instruments. F. Buechmann. 2,294,869; Sept. 1.
Multiply bag. A. E. Currier. 2,294,364; Sept. 1.
Music stand, Illuminated. T. E. Dubay. 2,294,732; Sept. 1.
Necktie with "zipper." M. L. Minor. 2,294,508; Sept. 1.
Neckwear. A. M. Alexander. 2,294,857; Sept. 1.
Net, Lifesaving. W. Moeller. 2,294,509; Sept. 1.
Nitrated pentaerythritols, Preparation and purification of. J. A. Wyler. 2,294,592; Sept. 1.
Nitrates, Reduction of. J. R. Bates. 2,294,374; Sept. 1.
Nitric acid esters, Manufacture of. J. F. Olin, F. P. Fritsch, and J. J. Schaefer. 2,294,849; Sept. 1.
Nitrogenous waxy to resinous condensation products and producing same. H. G. Hummel and M. Jahrstorfer. 2,294,878; Sept. 1.
Nozzle, Blowpipe. E. J. W. Egger, C. V. Johanson, and R. B. Smith. 2,294,392; Sept. 1.
Nut butters, Making. W. W. Moss, Jr. 2,294,682; Sept. 1.
Nut, Coupling. E. C. Thomsen. 2,294,637; Sept. 1.
Oil composition, Stabilized mineral. S. P. Waugh. 2,294,526; Sept. 1.
Oil, Cracking hydrocarbon. W. E. Lemen. 2,294,565; Sept. 1.
Oil pressure alarm system, Lubricating. H. H. Brown. 2,294,830; Sept. 1.
Olefin production. G. E. Schmitkons. 2,294,696; Sept. 1.
Opener, Rotary type can. R. E. McLean. 2,294,507; Sept. 1.
Optical apparatus. W. H. Moss. 2,294,477; Sept. 1.
Oscillater. A. L. Nelson. 2,294,797; Sept. 1.

Oven, Lamp exhaust. R. M. Gardner and R. L. Allen. 2,294,400; Sept. 1.
Oven, Underfired coke. C. Otto and F. Wethly. 2,294,419; Sept. 1.
Paper bag holder. J. E. and M. Sapp. 2,294,514; Sept. 1.
Pasting mechanism. G. Turrall. 2,294,522; Sept. 1.
Paving block. F. C. Sullivan. 2,294,582; Sept. 1.
Phase modulation. L. E. Barton. 2,294,372; Sept. 1.
Phonograph record cleaner. J. Hess. 2,294,660; Sept. 1.
Phonograph, Recording. E. V. Schneider. 2,294,576; Sept. 1.
Photocell circuit. H. Belar. 2,294,375; Sept. 1.
Photographic apparatus. L. del Riccio. 2,294,423; Sept. 1.
Photographic enlarger or projection printer. J. P. Thomson. 2,294,585; Sept. 1.
Pickup arm for phonographs. E. V. Schneider. 2,294,575; Sept. 1.
Pictures, Method and apparatus for reproducing. F. L. Wurzburg, Jr. 2,294,643; Sept. 1.
Pie slice lifter. W. A. Petersen. 2,294,549; Sept. 1.
Pigment manufacture. S. A. Scully. 2,294,426; Sept. 1.
Pigment of improved texture. A. M. Erstine and B. H. Perkins. 2,294,394; Sept. 1.
Pigments with ammonium naphthenate, Treatment of. H. E. Burdick. 2,294,381; Sept. 1.
Pilot-operated valve. W. A. Ray. 2,294,693; Sept. 1.
Pipe fitting for awning arms and the like. H. Dazzo. 2,294,835; Sept. 1.
Pipe handling apparatus. B. P. Hazeltine. 2,294,658; Sept. 1.
Piston expander and pin noise eliminator. D. M. Solenberger. 2,294,810; Sept. 1.
Piston structure. O. L. Starr. 2,294,519; Sept. 1.
Plastic fan stand. A. F. Fukal. 2,294,399; Sept. 1.
Polishing machine, Floor. O. W. Thrailkill. 2,294,814; Sept. 1.
Polymerization and condensation products from chlorinated hydrocarbons, Production of. E. Steffen. 2,294,699; Sept. 1.
Post and insulator construction, Adjustable elevation. S. C. Miller. 2,294,624; Sept. 1.
Pot for hot galvanizing and the like. O. C. Trautman. 2,294,490; Sept. 1.
Power plant, Elastic fluid. R. Stroehlen. 2,294,700; Sept. 1.
Press: *See*—
Metal stretching press. Stretching press.
Pressure regulator control valve, L. W. Stettner. 2,294,487; Sept. 1.
Prewrapping box. W. H. Perry. 2,294,690; Sept. 1.
Printing machine. E. H. Klingelfuss. 2,294,503; Sept. 1.
Printing plate. F. L. Wurzburg, Jr. 2,294,645; Sept. 1.
Printing plates, Making. J. F. Hawley. 2,294,456; Sept. 1.
Protector: *See*—
Eye protector.
Projector, Background. A. A. Gillespie, F. Hauser, and A. G. Wise. 2,294,597; Sept. 1.
Protector, Head and face. J. M. Bailey. 2,294,593; Sept. 1.
Puller: *See*—
Radio vibrator puller.
Pump: *See*—
Aircraft air pump. Engine-driven pump.
Barrel pump. Rotary pump.
Pump. A. G. Schlosser. 2,294,609; Sept. 1.
Pumping apparatus. R. E. Lamberton. 2,294,410; Sept. 1.
Pumping equipment. O. J. Nelson. 2,294,798; Sept. 1.
Pyrolysis of methyl vinyl ether. R. L. Hasche and B. Thompson. 2,294,402; Sept. 1.
Rack: *See*—
Book rack. Shoe rack.
Radio vibrator puller. M. and J. Chulick. 2,294,542; Sept. 1.
Rail expansion joint. G. Ellson. 2,294,860; Sept. 1.
Railroad crossing. B. C. Monroe. 2,294,793; Sept. 1.
Railway track circuit apparatus. A. J. Sorensen. 2,294,485; Sept. 1.
Railway traffic controlling apparatus. H. S. Young. 2,294,496; Sept. 1.
Railway vehicle brake. E. E. Hewitt and B. S. Aikman. 2,294,600; Sept. 1.
Razor, Safety. W. J. Davies. 2,294,774; Sept. 1.
Record card controlled machine. C. K. Moon. 2,294,681; Sept. 1.
Record card controlled machine. L. S. Harrison and O. Weitmann. 2,294,751; Sept. 1.
Record making machine. E. L. Wise. 2,294,591; Sept. 1.
Recorder, Elapsed time. C. E. Connolly. 2,294,739; Sept. 1.
Reed for looms. N. S. Harter. 2,294,308; Sept. 1.
Refrigerating apparatus. E. L. Kastler. 2,294,619; Sept. 1.
Refrigerating condensing unit. E. Gyrax. 2,294,552; Sept. 1.
Refrigerator cabinet. G. C. Harbison. 2,294,749; Sept. 1.
Refrigerator cabinet. D. F. Newman. 2,294,686; Sept. 1.
Register. E. G. Smith. 2,294,853; Sept. 1.
Remote indicator. D. B. Fisk and J. R. Macintyre. 2,294,741; Sept. 1.
Remote verification of checks, Method of and apparatus for the. R. B. Smith. 2,294,809; Sept. 1.
Removable plug for drilling strings. H. V. Steadman and E. E. Davis. 2,294,521; Sept. 1.
Resilient rail fastener. G. R. Burkhardt. 2,294,736; Sept. 1.
Resilient wheel. A. O. Williams. 2,294,818; Sept. 1.
Resins combined with aminotriazinealdehyde resins, Alkyd. H. J. West. 2,294,590; Sept. 1.
Resistant body having negative temperature characteristic. H. Inutsuka and S. Kawase. 2,294,755; Sept. 1.
Resistors having negative temperature characteristics, Manufacturing electrical. H. Inutsuka and S. Kawase. 2,294,756; Sept. 1.
Ribbon flame burner. H. M. Hanson. 2,294,748; Sept. 1.
Ring: *See*—
Finger ring.
Ring and traveler for spinning and twisting frames. W. G. Harrison. 2,294,453; Sept. 1.
Rock drill support. A. Feucht. 2,294,541; Sept. 1.
Rosin size, Stabilized dry. A. C. Dreshfield. 2,294,723-9; Sept. 1.
Rotary engine construction. R. B. Robinson. 2,294,805; Sept. 1.
Rotary pump. J. S. Ames. 2,294,647; Sept. 1.
Rubber articles, Making. C. C. Waterbury. 2,294,589; Sept. 1.
Rubber joint. T. Lord. 2,294,674; Sept. 1.
Safety means for railroad switch stands. C. Stubbiefield. 2,294,488; Sept. 1.
Saw retoother. H. P. Deyarmond. 2,294,836; Sept. 1.
Scale, Weighing. A. G. Brown. 2,294,714; Sept. 1.
Scale, Weighing. L. S. Williams. 2,294,819; Sept. 1.
Screening machine. J. A. Coyle and C. H. Roth. 2,294,448; Sept. 1.
Sealing means, Agitator. T. R. Smith. 2,294,517; Sept. 1.
Seed envelope and marker, Combination. I. M. Mooney. 2,294,567; Sept. 1.
Seismic surveying. J. O. Parr, Jr. 2,294,627; Sept. 1.
Selective system. W. H. T. Holden. 2,294,457; Sept. 1.
Separator: *See*—
Centrifugal separator.
Separator. G. A. Vissac. 2,294,587; Sept. 1.
Series capacitor arrangement. S. B. Crary. 2,294,773; Sept. 1.
Sewing machine, Button. R. L. Lyons. 2,294,471; Sept. 1.
Shears. N. E. Colla, Jr. 2,294,832; Sept. 1.
Sheet handling mechanism. S. A. Huffman. 2,294,406-7; Sept. 1.
Sheet material, Method and apparatus for expanding. R. F. Norris and G. H. Nelson. 2,294,478; Sept. 1.
Sheets, Method of and apparatus for handling. L. Baker. 2,294,649; Sept. 1.
Shoe rack. J. J. Knape. 2,294,504; Sept. 1.
Shoemaking employing heat, Method and apparatus for use in. G. F. Ryan. 2,294,481; Sept. 1.
Sifter, Granulating. E. Reinecke. 2,294,572; Sept. 1.
Signaling system, Railway. E. M. Allen. 2,294,438; Sept. 1.
Silver bearing. F. R. Hensel and E. I. Larsen. 2,294,404; Sept. 1.
Siphon breaker and valve. J. D. Langdon. 2,294,785; Sept. 1.
Skelp or the like, Handling and treatment of. A. J. Wagner and C. H. Verwohlt. 2,294,611; Sept. 1.
Sled. S. Ware. 2,294,704; Sept. 1.
Slicing machine. G. R. Bennett. 2,294,560; Sept. 1.
Sodium carbonate monohydrate from brines, Recovering pure. A. C. Houghton. 2,294,778; Sept. 1.
Soldering machine. J. G. Reid. 2,294,422; Sept. 1.
Soldering tip. L. E. Trabbic. 2,294,816; Sept. 1.
Sole margin cementer. W. L. MacKenzie. 2,294,472; Sept. 1.
Solvents, Clarifying spent. C. C. Jones. 2,294,461; Sept. 1.
Sorting machine for record cards. M. Maul. 2,294,680; Sept. 1.
Spectacles. M. Dunn. 2,294,840; Sept. 1.
Speed transmission, Variable. D. Heyer. 2,294,777; Sept. 1.
Spindle, Wharve driven flyer. G. S. Fraser. 2,294,742; Sept. 1.
Spinning of artificial silk, Method and apparatus for the continuous. E. Seliner. 2,294,871; Sept. 1.
Spring structure. G. F. Berger. 2,294,534; Sept. 1.
Springs, Bale of. F. R. Zimmerman. 2,294,706; Sept. 1.
Stacking mechanism. F. M. Carroll. 2,294,718; Sept. 1.
Stall and stanchion for dairy barns. H. O. C. Ingraham. 2,294,781; Sept. 1.
Stand: *See*—
Music stand. Plastic fan stand.
Staple fiber preparation. N. S. Campbell. 2,294,771; Sept. 1.
Stationery, Manifolding. M. C. Stern. 2,294,486; Sept. 1.
Statistical machine. J. W. Bryce. 2,294,734; Sept. 1.
Steam generator for steaming appliances. H. L. Shapiro and O. Skutley. 2,294,578; Sept. 1.
Steel, Stainless. J. R. Long. 2,294,412; Sept. 1.
Steel strip and making same, Carbonized. W. E. Kingston. 2,294,562; Sept. 1.
Storage tank. C. A. Ellis. 2,294,543; Sept. 1.
Stranding machine. R. M. Scott and W. F. Richardson. 2,294,634; Sept. 1.
Stretching press, Metal. H. F. MacMillin, W. R. Tucker and R. Thoreson. 2,294,675; Sept. 1.

Strips, Making brush. C. R. Rohweder and W. S. Rogers. 2,294,480; Sept. 1.
Structural element, Composite. W. A. Wells. 2,294,528; Sept. 1.
Suitcase. J. Morelli. 2,294,794; Sept. 1.
Support: *See*—
Rock drill support.
Supporting thread advancing reels. R. F. Bergmann. 2,294,866; Sept. 1.
Surface-active incrustation inhibitor. R. S. Bley. 2,294,378-9; Sept. 1.
Surfacing machine, Floor. B. Tobias and H. K. Warr-Langton. 2,294,815; Sept. 1.
Surgical instrument. E. M. Smith. 2,294,852; Sept. 1.
Switch: *See*—
Variable switch.
Switch. M. L. Jeffrey. 2,294,559; Sept. 1.
Swivel joint. L. F. Strout. 2,294,698; Sept. 1.
Synchronizing system for internal combustion engines. A. Senauke and J. A. Bolston. 2,294,515; Sept. 1.
System of syllable accentuation for use in dictionaries, text books, and the like. P. R. Cuddihy. 2,294,539; Sept. 1.
Tank: *See*—
Storage tank.
Tape-serving mechanism. A. P. Krueger. 2,294,670; Sept. 1.
Telegraph apparatus, Printing. W. J. Zenner. 2,294,436; Sept. 1.
Telegraph printer. H. J. Nichols. 2,294,687-8; Sept. 1.
Telephone system. H. Hovland. 2,294,500; Sept. 1.
Telescopic dump for scale platforms. A. P. Winter and N. R. Siasor. 2,294,531; Sept. 1.
Television signal-translating system, Color. J. C. Wilson. 2,294,820; Sept. 1.
Textile material, Treating. W. Bergenthun and E. Pieper. 2,294,826; Sept. 1.
Textiles water-repellent, Rendering. E. Wolf. 2,294,435; Sept. 1.
Thermionic valve apparatus. B. B. Jacobsen. 2,294,782; Sept. 1.
Thermionic valve circuits. B. M. Hadfield. 2,294,862; Sept. 1.
Thermometer holder instrument, Antiseptic. J. L. Martineau. 2,294,678; Sept. 1.
Thermoplastic strips, Method and apparatus for forming. G. S. Hendrie. 2,294,555; Sept. 1.
Threader, Curtain. C. Koenke. 2,294,669; Sept. 1.
Thumbscrew and making same. R. A. Reich. 2,294,802; Sept. 1.
Tilting head device. C. E. Allen and J. F. Pagendarm. 2,294,437; Sept. 1.
Timer, Projectile. U. Eggers. 2,294,730; Sept. 1.
Tire, Nonskid. M. C. Overman. 2,294,626; Sept. 1.
Tool: *See*—
Earth boring tool. Fastener driving tool.
Toothbrush. E. A. W. Habeck and E. T. Bessler. 2,294,747; Sept. 1.
Toothbrush. J. Rocca. 2,294,631; Sept. 1.
Traction device. M. B. Herbrick. 2,294,557; Sept. 1.
Transformer tap changer. F. W. Bush. 2,294,536; Sept. 1.
Transformer tap changer arrangement. K. Bölte. 2,294,712; Sept. 1.
Transmission for automotive vehicles, Mechanical. W. Black, W. Lenz, and R. Fichtner. 2,294,769; Sept. 1.
Transmission mechanism, Hydraulic force. R. S. Bohannan. 2,294,770; Sept. 1.
Transmitter, Impulse. F. R. Lamberty and G. W. Weaver. 2,294,464; Sept. 1.
Transparency viewer. F. S. Boroughs. 2,294,444; Sept. 1.
Tray, Ash. F. A. Joseph. 2,294,618; Sept. 1.
Trimming die. W. R. Place. 2,294,420; Sept. 1.
Turning device, Slab. W. A. Ezell. 2,294,841; Sept. 1.
Typewriting machine. W. A. Dobson. 2,294,721; Sept. 1.
Typewriting machine. R. D. Dodge. 2,294,722; Sept. 1.
Typewriting machine. W. F. Helmond. 2,294,662; Sept. 1.
Typewriting machine. C. T. Jackson. 2,294,665; Sept. 1.
Typewriting machine. J. L. Petz. 2,294,762; Sept. 1.
Typewriting machine. H. L. Pitman. 2,294,691; Sept. 1.
Upholstery batt. F. A. Nachman, Jr. 2,294,684; Sept. 1.
Valve: *See*—
Hydraulic valve. Pressure regulator control valve.
Pilot-operated valve. Siphon breaker and valve.
Valve. G. R. Rich. 2,294,803; Sept. 1.
Valve means for pressure cookers. E. G. Grundstrom. 2,294,746; Sept. 1.
Valve structure. W. A. Ray. 2,294,421; Sept. 1.
Valvular bag. A. C. Haungs. 2,294,846; Sept. 1.
Variable switch, Infinitely. P. H. Potter. 2,294,573; Sept. 1.
Vehicle body construction. M. M. Brockway. 2,294,363; Sept. 1.
Vehicle construction. T. I. Duffy. 2,294,839; Sept. 1.
Vending cabinet. C. L. O'Reilly. 2,294,689; Sept. 1.
Venetian blind, Method and apparatus for forming slats and strip material therefor. A. B. Wilson. 2,294,434; Sept. 1.
Wagon, Toy. B. F. Leber. 2,294,564; Sept. 1.
Waistband construction for garments. E. A. De Rose. 2,294,365; Sept. 1.
Wall for buildings, Floating external. A. Henderson. 2,294,556; Sept. 1.
Washer: *See*—
Fountain glass washer.
Water repellent qualities of materials under velocity conditions, Indicating the. J. Neiman. 2,294,511; Sept. 1.
Water soluble adhesives obtained by etherifying wood. M. Jahrstorfer and J. Beck. 2,294,666; Sept. 1.
Weighing machine, Automatic. E. U. Guest. 2,294,551; Sept. 1.
Welding. K. Heindlhofer. 2,294,498; Sept. 1.
Welding machinery. J. H. Murch. 2,294,418; Sept. 1.
Welding method. J. F. Bechtle. 2,294,650; Sept. 1.
Welding, Method of and apparatus for. G. D. Bagley. 2,294,439; Sept. 1.
Welding system, Resistance. J. W. Dawson. 2,294,388; Sept. 1.
Wheel: *See*—
Resilient wheel.
Winch. N. P. Larsen and H. J. Troche. 2,294,757; Sept. 1.
Window attachment. W. Owen. 2,294,851; Sept. 1.
Window container. E. R. Makeley. 2,294,473; Sept. 1.
Window lock. B. W. Barnett. 2,294,708; Sept. 1.
Wire coiling machine. C. O. Bruestle. 2,294,653; Sept. 1.
Wrench: *See*—
Hinged ratchet wrench.
Wrench. S. W. Gordon. 2,294,548; Sept. 1.
Wringer. J. W. Burt. 2,294,716; Sept. 1.
Wringer. J. Stanitz and W. O. Duke. 2,294,583; Sept. 1.
Zirconium compounds, Purification of. E. Wainer. 2,294,431; Sept. 1.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 1, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 46: 2,294,463
2— 11: 2,294,799
14: 2,294,561
146: 2,294,857
150: 2,294,508
174: 2,294,593
181: 2,294,654
201: 2,294,529
232: 2,294,859
237: 2,294,365
5— 47: 2,294,475
189: 2,294,534
8—115.5: 2,294,435
129: 2,294,450
9— 22: 2,294,864
10— 10: 2,294,802
76: 2,294,458
12— 1: 2,294,481
30: 2,294,443
80: 2,294,472
15— 4: 2,294,789
49: 2,294,814
184: 2,294,631
16— 44: 2,294,807
135: 2,294,459
194: 2,294,851
18— 4: 2,294,555
8: 2,294,630
2,294,870
2,294,871
19: 2,294,633
35: 2,294,621
54: 2,294,378
2,294,379
59: 2,294,589
2,294,796
61: 2,294,865
20— 16: 2,294,792
2,294,856
20: 2,294,360
2,294,361
22— 203: 2,294,837
23— 23: 2,294,431
230: 2,294,425
288: 2,294,430
301: 2,294,778
24— 126: 2,294,398
201: 2,294,617
256: 2,294,661
267: 2,294,842
25— 29: 2,294,476
26— 55: 2,294,642
28— 78: 2,294,570
29— 70: 2,294,658
88.2: 2,294,506
2,294,640
148: 2,294,483
152.2: 2,294,466
30— 9: 2,294,507
51: 2,294,774
123: 2,294,713
2,294,497
260: 2,294,832
33— 66: 2,294,417
75: 2,294,553
141: 2,294,566
164: 2,294,831
34— 83: 2,294,780
193: 2,294,530
35— 25: 2,294,408
48: 2,294,416
53: 2,294,465
36— 59: 2,294,462
40— 132: 2,294,444
41— 17: 2,294,644
31.6: 2,294,384
2,294,711
43— 29: 2,294,758
45— 82: 2,294,563

46— 11: 2,294,538
47— 60: Pl.Pt.544
49— 77: 2,294,373
51— 92: 2,294,733
95: 2,294,872
102: 2,294,715
176: 2,294,815
56— 25: Re.22,171
313: 2,294,646
57— 1: 2,294,771
78: 2,294,634
115: 2,294,742
119: 2,294,453
60— 49: 2,294,700
54: 2,294,768
97: 2,294,515
62— 2: 2,294,686
136: 2,294,619
63— 15: 2,294,577
64— 15: 2,294,386
65— 15: 2,294,657
31: 2,294,594
68— 249: 2,294,716
253: 2,294,583
69— 21: 2,294,474
70— 269: 2,294,505
364: 2,294,495
459: 2,294,808
72— 16: 2,294,556
41: 2,294,776
61: 2,294,528
73: 2,294,554
101: 2,294,788
73— 21: 2,294,655
51: 2,294,511
2,294,512
54: 2,294,720
109: 2,294,869
258: 2,294,825
336: 2,294,540
367: 2,294,545
74— 78: 2,294,516
230.17: 2,294,777
234: 2,294,821
360: 2,294,769
424.8: 2,294,745
516: 2,294,667
551.2: 2,294,839
75— 10: 2,294,546
22: 2,294,405
126: 2,294,412
2,294,534
76— 37: 2,294,836
80— 5.1: 2,294,685
81— 3: 2,294,542
63: 2,294,510
91: 2,294,548
83— 61: 2,294,572
91: 2,294,588
2,294,828
84— 1.15: 2,294,861
88— 1.5: 2,294,445
14: 2,294,876
17: 2,294,597
20: 2,294,382
2,294,787
24: 2,294,580
2,294,585
28: 2,294,622
28.93: 2,294,477
52: 2,294,840
90— 1: 2,294,447
4: Re.22,173
91— 46: 2,294,599
49: 2,294,513
50: 2,294,520
2,294,639
51: 2,294,522
53: 2,294,508

93— 1: 2,294,478
93: 2,294,718
94— 12: 2,294,582
13: 2,294,549
2,294,550
95— 2: 2,294,731
94: 2,294,423
97— 179: 2,294,470
98— 2: 2,294,363
94: 2,294,664
99— 59: Re.22,170
128: 2,294,682
160: 2,294,428
100— 25: 2,294,440
28: 2,294,524
101— 211: 2,294,429
350: 2,294,503
401.1: 2,294,645
401.2: 2,294,456
102— 44: 2,294,822
65: 2,294,415
103— 42: 2,294,609
54: 2,294,454
126: 2,294,805
136: 2,294,647
195: 2,294,705
105— 308: 2,294,502
369: 2,294,795
106— 19: 2,294,403
47: 2,294,844
48: 2,294,761
218: 2,294,723
2,294,724
2,294,725
2,294,726
2,294,727
2,294,728
2,294,729
288: 2,294,875
298: 2,294,381
304: 2,294,394
110— 3: 2,294,390
40: 2,294,441
112— 112: 2,294,471
141: 2,294,740
113— 45: 2,294,451
2,294,675
2,294,676
59: 2,294,439
61: 2,294,422
117— 63: 2,294,479
100: 2,294,523
114: 2,294,750
129: 2,294,760
135: 2,294,717
145: 2,294,651
119— 119: 2,294,781
120— 47: 2,294,596
122— 1: 2,294,501
123— 188: 2,294,803
195: 2,294,812
125— 11: 2,294,492
2,294,493
2,294,494
126— 41: 2,294,701
101: 2,294,579
128— 283: 2,294,537
305: 2,294,552
423: 2,294,411
131— 235: 2,294,618
132— 35: 2,294,613
79: 2,294,656
136— 179: 2,294,427
137— 53: 2,294,746
68: 2,294,391
78: 2,294,396
2,294,397
104: 2,294,785
139: 2,294,421

137— 139: 2,294,693
156: 2,294,487
158: 2,294,753
138— 44: 2,294,499
139— 192: 2,294,368
140— 3: 2,294,707
112: 2,294,369
141— 3: 2,294,668
144— 291: 2,294,632
146— 16: 2,294,358
102: 2,294,560
148— 6.5: 2,294,571
10: 2,294,413
11.5: 2,294,648
17: 2,294,562
31: 2,294,491
150— 38: 2,294,635
152— 179: 2,294,772
209: 2,294,626
245: 2,294,557
153— 1: 2,294,763
2: 2,294,434
154— 40: 2,294,826
46: 2,294,518
54: 2,294,684
155— 31: 2,294,366
158— 23.2: 2,294,614
2,294,615
27.4: 2,294,392
2,294,816
104: 2,294,748
117.1: 2,294,694
161— 16: 2,294,695
18: 2,294,730
164— 29: 2,294,420
112: 2,294,385
114: 2,294,370
2,294,371
167— 53.1: 2,294,401
170— 162: 2,294,867
2,294,868
171— 34: 2,294,692
97: R.22,168
2,294,671
2,294,672
119: 2,294,388
2,294,536
2,294,712
242: 2,294,775
172— 237: 2,294,773
239: 2,294,709
2,294,754
275: 2,294,449
173— 328: 2,294,432
2,294,737
361: 2,294,608
174— 22: 2,294,738
175— 182: 2,294,395
176— 124: 2,294,623
177— 311: 2,294,830
351: 2,294,741
352: 2,294,627
2,294,735
353: 2,294,457
380: 2,294,464
178— 5.2: 2,294,820
6.7: 2,294,643
2,294,809
33: 2,294,436
44: 2,294,863
179— 18: 2,294,500
171: 2,294,533
2,294,862
171.5: 2,294,372
2,294,800
183— 2.5: 2,294,827
184— 45: 2,294,673
103: 2,294,552
190— 52: 2,294,794

192— .01: 2,294,823
.02: 2,294,786
68: 2,294,638
196— 11: 2,294,547
15: 2,294,460
2,294,461
49: 2,294,565
2,294,584
78: 2,294,699
147: 2,294,779
61.7: 2,294,734
61.11: 2,294,679
2,294,681
238— 221: 2,294,860
349: 2,294,736
240— 4: 2,294,732
6.41: 2,294,558
242— 53: 2,294,866
55.5: 2,294,670
129: Re.22,172
130: 2,294,677
244— 36: 2,294,367
102: 2,294,467
109: 2,294,850
117: 2,294,359
134: 2,294,790
246— 34: 2,294,485
160: 2,294,438
219: 2,294,496
220: 2,294,488
380: 2,294,793
248— 19: 2,294,855
50: 2,294,624
73: 2,294,628
184: 2,294,437
358: 2,294,674
249— 53: 2,294,551
250— 20: 2,294,659
27: 2,294,759
2,294,782
2,294,843
33: 2,294,362
36: 2,294,797
41.5: 2,294,375
2,294,376
2,294,377
251— 121: 2,294,568
132: 2,294,702
252— 2: 2,294,532
8.5: 2,294,877
18: 2,294,535
33: 2,294,526
34: 2,294,525
53: 2,294,804
2,294,817
71: 2,294,374
224: 2,294,414
254— 166: 2,294,757
255— 51: 2,294,663
71: 2,294,544
2,294,629
72: 2,294,521
259— 108: 2,294,489
260— 19: 2,294,708
27: 2,294,845
42: 2,294,590
2,294,873
78: 2,294,878
97.5: 2,294,446
148: 2,294,426
156: 2,294,380
210: 2,294,811
231: 2,294,666
348: 2,294,383
397.1: 2,294,616
397.4: 2,294,433
404: 2,294,442
467: 2,294,592
2,294,849
601: 2,294,402

200— 27: 2,294,573
52: 2,294,605
2,294,606
67: 2,294,559
93: 2,294,484
115: 2,294,833
116: 2,294,838
120: 2,294,766
2,294,767
148: 2,294,824
149: 2,294,801
166: 2,294,482
2,294,783
201— 76: 2,294,389
2,294,755
2,294,756
202— 151: 2,294,419
205— 16: 2,294,653
206— 7: 2,294,791
16.6: 2,294,678
44: 2,294,641
47: 2,294,567
65: 2,294,706
209— 110: 2,294,680
367: 2,294,448
458: 2,294,587
210— 24: 2,294,764
2,294,765
42.5: 2,294,697
211— 34: 2,294,607
38: 2,294,504
43: 2,294,595
46: 2,294,625
51: 2,294,514
89: 2,294,527
119: 2,294,581
214— 1: 2,294,541
46.5: 2,294,531
215— 12: 2,294,574
217— 72: 2,294,744
219— 6: 2,294,418
8: 2,294,498
10: 2,294,650
35: 2,294,400
38: 2,294,578
44: 2,294,490
220— .3: 2,294,636
26: Re.22,169
221— 61: 2,294,393
67: 2,294,543
2,294,858
85: 2,294,798
102: 2,294,813
223— 105: 2,294,669
227— 46: 2,294,509
229— 6: 2,294,690
7: 2,294,473
28: 2,294,874
51: 2,294,652
55: 2,294,364

229— 62: 2,294,848
62.5: 2,294,846
230— 3: 2,294,410
117: 2,294,586
274: 2,294,399
232— 4: 2,294,612
233— 40: 2,294,468
234— 43: 2,294,739
235— 61.6: 2,294,751
61.7: 2,294,734
61.11: 2,294,679
2,294,681
238— 221: 2,294,860
349: 2,294,736
240— 4: 2,294,732
6.41: 2,294,558
242— 53: 2,294,866
55.5: 2,294,670
129: Re.22,172
130: 2,294,677
244— 36: 2,294,367
102: 2,294,467
109: 2,294,850
117: 2,294,359
134: 2,294,790
246— 34: 2,294,485
160: 2,294,438
219: 2,294,496
220: 2,294,488
380: 2,294,793
248— 19: 2,294,855
50: 2,294,624
73: 2,294,628
184: 2,294,437
358: 2,294,674
249— 53: 2,294,551
250— 20: 2,294,659
27: 2,294,759
2,294,782
2,294,843
33: 2,294,362
36: 2,294,797
41.5: 2,294,375
2,294,376
2,294,377
251— 121: 2,294,568
132: 2,294,702
252— 2: 2,294,532
8.5: 2,294,877
18: 2,294,535
33: 2,294,526
34: 2,294,525
53: 2,294,804
2,294,817
71: 2,294,374
224: 2,294,414
254— 166: 2,294,757
255— 51: 2,294,663
71: 2,294,544
2,294,629
72: 2,294,521
259— 108: 2,294,489
260— 19: 2,294,708
27: 2,294,845
42: 2,294,590
2,294,873
78: 2,294,878
97.5: 2,294,446
148: 2,294,426
156: 2,294,380
210: 2,294,811
231: 2,294,666
348: 2,294,383
397.1: 2,294,616
397.4: 2,294,433
404: 2,294,442
467: 2,294,592
2,294,849
601: 2,294,402

260— 683: 2,294,606	266— 4: 2,294,829	274— 11: 2,294,854	285— 137: 2,294,806	295— 11: 2,294,818	303— 42: 2,294,604
261— 15: 2,294,743	270— 20: 2,294,620	47: 2,294,660	143: 2,294,637	296— 66: 2,294,564	305— 10: 2,294,409
49: 2,294,847	271— 12: 2,294,406	280— 23: 2,294,704	286— 11: 2,294,517	299— 69: 2,294,719	308— 6: 2,294,665
263— 3: 2,294,611	64: 2,294,649	33.1: 2,294,710	287— 54: 2,294,835	300— 21: 2,294,480	36.2: 2,294,387
264— 3: 2,294,469	74: 2,294,407	41: 2,294,752	85: 2,294,452	2,294,747	242: 2,294,404
265— 44: 2,294,455	273— 61: 2,294,424	282— 6: 2,294,853	96: 2,294,541	303— 2: 2,294,600	309— 12: 2,294,810
47: 2,294,770	118: 2,294,603	11.5: 2,294,486	292— 42: 2,294,708	21: 2,294,602	14: 2,294,519
61: 2,294,714	274— 1: 2,294,575	283— 46: 2,294,539	99: 2,294,683	2,294,610	312— 152: 2,294,689
62: 2,294,819	2,294,576	285— 97.8: 2,294,698	294— 7: 2,294,569	40: 2,294,601	188: 2,294,749

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,294,375: 250— 41.5	2,294,502: 105— 308	2,294,555: 18— 4	2,294,678: 206— 16.6	2,294,794: 190— 52	2,294,874: 229— 28
2,294,404: 308— 242	2,294,505: 70— 269	2,294,563: 45— 82	2,294,701: 126— 41	2,294,798: 221— 85	2,294,875: 106— 288
2,294,410: 230— 3	2,294,518: 154— 46	2,294,565: 196— 49	2,294,713: 30— 123	2,294,799: 2— 11	
2,294,427: 136— 179	2,294,525: 252— 34	2,294,570: 28— 78	2,294,743: 261— 15	2,294,805: 103— 126	
2,294,454: 103— 54	2,294,530: 34— 193	2,294,581: 211— 119	2,294,774: 30— 51	2,294,855: 248— 19	
2,294,473: 229— 7	2,294,534: 5— 189	2,294,588: 83— 91	2,294,778: 23— 301	2,294,858: 221— 67	
2,294,497: 30— 123	2,294,538: 46— 11	2,294,651: 117— 145	2,294,780: 34— 83	2,294,861: 84— 1.15	

U. S. GOVERNMENT PRINTING OFFICE: 1942

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Alma Laboratories, Inc., New Orleans, La. Nose drops. Serial No. 454,211; Sept. 8. Class 6.

Aluminum Industries, Inc., Cincinnati, Ohio. Paints in paste and powdered form and paint vehicle for mixing the same. Serial No. 452,157; Sept. 8. Class 16.

American Cyanamid & Chemical Corporation, New York, N. Y. Addition agents for the fortification of lubricating oils for automotive and other uses. Serial No. 454,109; Sept. 8. Class 6.

Ana-Jay Food Products Corp., New York, N. Y. Fillings used in pies and puddings. Serial No. 432,232; Sept. 8. Class 46.

Auto-Klean Strainers Limited, London, England. Wire strainers for liquids. Serial No. 453,832; Sept. 8. Class 13.

B S Hat & Cap Company. (See Spiegel, Benny.)

Bayer-Semesan Company, Inc., Wilmington, Del. Fungicides. Serial No. 454,223; Sept. 8. Class 6.

Bellows & Company, Inc., New York, N. Y. Wine. Serial No. 444,924; Sept. 8. Class 47.

Belmont Garment Company, Boston, Mass. Raincoats. Serial No. 454,165; Sept. 8. Class 39.

Billie Knitwear Inc., New York, N. Y. Sweaters and sweater ensembles. Serial No. 454,130; Sept. 8. Class 39.

Binney & Smith Company, New York, N. Y. Carbon black. Serial No. 452,666; Sept. 8. Class 1.

Biodent Mfg. Co., New York, N. Y. Dental restorations, artificial teeth, and filling material for teeth, etc. Serial No. 452,919; Sept. 8. Class 44.

Bird Antarctic Anti-Freeze Co. (See Johnson, Jeremiah F.)

Brodrick, Lynn R., doing business as Marysville Drug Company, Marysville, Kans. Vitamin tablets. Serial No. 450,329; Sept. 8. Class 6.

Brouwer, Stephen J., Milwaukee, Wis. Shoes. Serial No. 454,131; Sept. 8. Class 39.

Cameron, Wm., & Co. Inc., Waco, Tex. Assembled window units. Serial No. 453,234; Sept. 8. Class 12.

Cardox Corporation, Chicago, Ill. Sodium chlorate, potassium chlorate, and potassium perchlorate. Serial No. 445,226; Sept. 8. Class 6.

Cohen, Jack, London, England, and New York, N. Y. Ladies' and misses' coats, suits, and ensembles. Serial No. 441,671; Sept. 8. Class 39.

Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Belting. Serial No. 454,166; Sept. 8. Class 35.

Delegation of Meat Packers of Poland, Inc., New York, N. Y. Canned cooked ham. Serial No. 441,502; Sept. 8. Class 46.

Donna-Lo Laboratories, Inc., St. Louis, Mo. Skin lotion and preparation for use on the legs to simulate stockings. Serial No. 454,053; Sept. 8. Class 6.

Embalmers' Supply Company, The, Westport, Conn. Vanishing cream for use in the embalming trade. Serial No. 453,978; Sept. 8. Class 6.

Facerform Corporation, Ridgewood, N. J. Fertilizers. Serial No. 424,801; Sept. 8. Class 10.

Father Flanagan's Boys' Home, Boys Town, Nebr. Newspaper. Serial No. 449,479; Sept. 8. Class 38.

Faysam Recording Co. (See Tush, Fay.)

Firestone Tire & Rubber Company, The, Akron, Ohio. Chlorine. Serial No. 450,762; Sept. 8. Class 6.

Fox Brothers & Company, Limited, Wellington, England. Serges and woolen and worsted goods, woolen cloths and worsted stuffs. Serial No. 452,925; Sept. 8. Class 42.

Gaines Food Co. Inc., Sherburne, N. Y. Dog food. Serial No. 449,836; Sept. 8. Class 46.

Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. Serial No. 454,139; Sept. 8. Class 39.

Hamilton Manufacturing Company, Two Rivers, Wis. Teething bars. Serial No. 448,322; Sept. 8. Class 44.

Hamilton Manufacturing Company, Two Rivers, Wis., and Rahway, N. J. Physicians' and surgeons' tables, stools, stands, etc. Serial No. 454,254; Sept. 8. Class 44.

Hanover Star Milling Co., Germantown, Ill. Wheat flour. Serial No. 449,267; Sept. 8. Class 46.

Hanover Star Milling Co., Germantown, Ill. Wheat flour. Serial No. 449,269; Sept. 8. Class 46.

Harrower Laboratory, Inc., The, Glendale, Calif. Combination of thyroid and estrogenic substance for oral use, etc. Serial No. 454,191; Sept. 8. Class 6.

Horowitz, Jesse, doing business as Liks Chemical Company Company, Bayonne, N. J. Paint deodorant. Serial No. 453,511; Sept. 8. Class 6.

Household Products Co., Chicago, Ill. Canned apricots, cane and maple syrup, imitation flavoring extracts, etc. Serial No. 453,456; Sept. 8. Class 46.

International Laboratories Limited, London, England. Medicated preparations. Serial No. 454,292; Sept. 8. Class 6.

Johnson Chemical Co. (See Uddo, Joseph.)

Johnson, Jeremiah F., doing business as Bird Antarctic Anti-Freeze Co., Bloomfield, Iowa. Anti-freeze solution. Serial No. 448,003; Sept. 8. Class 6.

Ken-Tool Manufacturing Company, The, Akron, Ohio. Automotive service tools. Serial No. 453,961; Sept. 8. Class 23.

Kimble Glass Company, Vineland, N. J. Glass rods, glass tubing, and glass containers. Serial No. 450,014; Sept. 8. Class 33.

Kolbert, Harold, Inc., New York, N. Y. Ladies', misses', and juniors' coats, suits, jackets, etc. Serial No. 453,923; Sept. 8. Class 39.

Lace-Net Importing Co. Inc., New York, N. Y. Surgical bandages. Serial No. 453,804; Sept. 8. Class 44.

Lapin Products, Inc., New York, N. Y. Toy musical instruments. Serial No. 450,363; Sept. 8. Class 36.

Lehn & Fink Products Corporation, Bloomfield, N. J. Lipsticks. Serial No. 454,234; Sept. 8. Class 6.

Liks Chemical Company. (See Horowitz, Jesse.)

Lockwood, Lawrence A., doing business as Lockwood Products, Chicago, Ill. Nursing bottle holders. Serial No. 454,425; Sept. 8. Class 44.

Lone Star Cement Corporation, New York, N. Y. Portland cement. Serial No. 441,971; Sept. 8. Class 12.

M. & B. Cone Co., Brooklyn, N. Y. Ice cream cones. Serial No. 453,624; Sept. 8. Class 46.

M. V. C. Laboratories, Inc., Toledo, Ohio. Liquid make-up for the legs. Serial No. 453,675; Sept. 8. Class 6.

Mallinson Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 451,190; Sept. 8. Class 42.

Mammoth Hosiery Mills, Trenton, N. J. Women's hosiery. Serial No. 453,696; Sept. 8. Class 39.

Marysville Drug Company. (See Brodrick, Lynn R.)

Microstat Corporation, Norwalk, Conn. Photographic negative and positive films. Serial No. 445,854; Sept. 8. Class 26.

Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' shoes. Serial No. 453,089; Sept. 8. Class 39.

Mitchell & Smith, Inc., Detroit, Mich. Insulation. Serial No. 453,312; Sept. 8. Class 12.

Nordic Baking and Importing Company, Seattle, Wash. Knackebrod—namely, Swedish style flat rye wafers. Serial No. 440,259; Sept. 8. Class 46.

Onthank, G. W., Company, Des Moines, Iowa. Cleaner, wax, and polish. Serial No. 452,152; Sept. 8. Class 16.

Opera Dress & Blouse, Inc., New York, N. Y. Ladies' and misses' dresses, blouses, playsuits, etc. Serial Nos. 454,117–18; Sept. 8. Class 39.

Opera Dress & Blouse, Inc., New York, N. Y. Ladies' and misses' dresses, blouses, playsuits, etc. Serial Nos. 454,267–8; Sept. 8. Class 39.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Smoked salt. Serial No. 448,058; Sept. 8. Class 6.

Philadelphia Daily News, Inc., Philadelphia, Pa. Newspaper column. Serial No. 454,119; Sept. 8. Class 38.

Pioneer Rubber Company, The, Willard, Ohio. Rubber gloves. Serial No. 450,425; Sept. 8. Class 44.

Plee-Zing, Inc., Chicago, Ill. Vegetable shortening. Serial No. 453,369; Sept. 8. Class 46.

Plee-Zing, Inc., Chicago, Ill. Soap. Serial No. 454,015; Sept. 8. Class 4.

Pond Lily Company, The, New Haven, Conn. Piece goods. Serial No. 453,217; Sept. 8. Class 42.

Rubbercraft Corporation of California, Ltd., Los Angeles, Calif. Compound made of rubber and synthetic rubber. Serial No. 453,279; Sept. 8. Class 1.

Sealy, Incorporated, Wilmington, Del. Mattresses, upholstered chairs, upholstered divans, etc. Serial No. 432,558; Sept. 8. Class 32.

Simmons Company, New York, N. Y. Mattresses. Serial No. 453,240; Sept. 8. Class 32.

Simon, Franklin, & Co., Inc., New York, N. Y. Men's outer shirts. Serial No. 453,967; Sept. 8. Class 39.

Simplicity Pattern Co. Inc., New York, N. Y. Magazine. Serial No. 452,990; Sept. 8. Class 38.

Sokol & Company, Chicago, Ill. Green coffee. Serial No. 454,151; Sept. 8. Class 46.

Spiegel, Benny, doing business as B S Hat & Cap Company, New York, N. Y. Men's and boys' hats and caps. Serial No. 452,943; Sept. 8. Class 39.

Stoddart, J. H., Co., Redlands, Calif. Phenobarbital and B complex. Serial No. 453,949; Sept. 8. Class 6.

Super Mold Corporation of California, Lodi, Calif. Automatic safety switches for vehicles. Serial No. 454,179; Sept. 8. Class 21.

Thistletex Weavers, Inc., New York, N. Y. Towels. Serial No. 446,936; Sept. 8. Class 42.

Turner, W. K., Duffield, Va. Medicinal preparation. Serial No. 453,256; Sept. 8. Class 6.

Tush, Fay, doing business as Faysam Recording Co., New York, N. Y. Phonograph records. Serial No. 453,902; Sept. 8. Class 36.
Uddo, Joseph, doing business as Johnson Chemical Co., Brooklyn, N. Y. Floor wax. Serial No. 451,397; Sept. 8. Class 16.
United States Finishing Company, The, Norwich, Conn. Piece goods. Serial No. 445,565; Sept. 8. Class 42.
United States Mineral Wool Company, Chicago, Ill. Mineral wool. Serial No. 441,887; Sept. 8. Class 12.
V. & E. Engineering Co., Pasadena, Calif. Compasses. Serial No. 463,070; Sept. 8. Class 26.
Van Dusen Harrington Company, Minneapolis, Minn. Durum wheat flour. Serial No. 452,996; Sept. 8. Class 46.
Varsity Underwear Company, Baltimore, Md. Underwear, shorts, and pajamas. Serial No. 440,138; Sept. 8. Class 39.
Victory Supply Company. (See Wentz, Willard W.)
Vitachrome, Inc., Los Angeles, Calif. Decalcomania transfers. Serial No. 449,593; Sept. 8. Class 38.
Vosline, Des Moines, Iowa. Preparation for leg make-up in imitation of hosiery. Serial No. 453,865; Sept. 8. Class 6.
Walshcrete Construction Corporation, Northport, N. Y. Building and construction materials. Serial No. 444,059; Sept. 8. Class 12.
Wamesit Company, Wamesit, Mass. Concentrate or supplement to be added to feed for domestic animals. Serial No. 452,999; Sept. 8. Class 46.
Washington, Idener, New York, N. Y. Hair preparations. Serial No. 444,426; Sept. 8. Class 6.
Welch Fruit Products Co., Chicago, Ill. Syrup flavorings. Serial No. 442,614; Sept. 8. Class 46.
Wells Lamont Smith Corporation, Chicago, Ill. Gloves. Serial No. 453,972; Sept. 8. Class 39.
Wentz, Willard W., doing bnsiness as Victory Supply Company, Passaic, N. J. Bandages and tourniquets. Serial No. 452,945; Sept. 8. Class 44.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Atmosphere correcting gas converters for heat treating furnaces. Serial No. 452,879; Sept. 8. Class 34.
Willard Storage Battery Company, Cleveland, Ohio. Separators and insulation for electric batteries. Serial No. 454,318; Sept. 8. Class 21.
Wool Novelty Co. Inc., New York, N. Y. Knitting yarn. Serial No. 453,904; Sept. 8. Class 43.
Woronock and Ansen, New York, N. Y. Radios. Serial No. 435,335; Sept. 8. Class 21.
Woronock and Ansen, New York, N. Y. Electrical appliances. Serial No. 435,338; Sept. 8. Class 21.
Wright, William E., and Sons Company, West Warren, Mass. Electrical insulating tape. Serial No. 454,280; Sept. 8. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Acrotorque Company, The, Cleveland, Ohio. Hydraulic pumps and motors, and parts thereof, transmissions, etc. 397,408–9; Sept. 8; Serial Nos. 443,796–7; published June 23, 1942. Class 23.
Albert, Louis Irving, New York, N. Y. Hand screwdrivers. 397,484; Sept. 8; Serial No. 450,410; published June 23, 1942. Class 23.
Alden Mills, The, New Orleans, La. Ladies' hosiery. 397,452; Sept. 8; Serial No. 448,180; published June 23, 1942. Class 39.
Amalgamated Textiles Limited, New York, N. Y. Woolen piece goods. 397,647; Sept. 8. Class 42.
American Industries Corporation, San Francisco, Calif. Vinegar. 397,554; Sept. 8; Serial No. 452,595; published June 30, 1942. Class 46.
American Laundry Machinery Company, The, Cincinnati, Ohio. Commercial laundry apparatus. 397,605; Sept. 8. Class 24.
American Tar Company, Seattle and Spokane, Wash. Paint, oil, tar, etc. 397,516; Sept. 8; Serial No. 451,998; published June 30, 1942. Class 16.
American Thermometer Company, St. Louis, Mo. Thermometers. 397,644; Sept. 8. Class 36.
Amity Leather Products Co. (See Stember, John, & Co., assignor.)
Ann Manufacturing Company, Granite Quarry, N. C. Textile diapers. 397,598; Sept. 8; Serial No. 452,065; published June 2, 1942. Class 39.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Lipstick containers. 397,415; Sept. 8; Serial No. 444,519; published June 30, 1942. Class 2.
Aris Gloves, Inc. (See Steinberger Bros. Lobl Co., assignor.)
Arnold, Constable & Company, Incorporated, New York, N. Y. Ladies' and misses' hats. 397,616; Sept. 8. Class 39.
Arzone Products Co. (See Pratt, Elbert H.)
Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Powdered cement. 397,501; Sept. 8; Serial No. 451,483; published June 30, 1942. Class 12.
Atlas Hardware Corp., New York, N. Y. Drills for drilling in metal. 397,512; Sept. 8; Serial No. 451,860; published June 16, 1942. Class 23.
Atlas Underwear Company, The, Piqua, Ohio. Men's hosiery, sports shirts, shorts, etc. 397,539; Sept. 8; Serial No. 452,385; published June 16, 1942. Class 39.
Auburn Central Manufacturing Corporation, Connersville, Ind. Combined cabinets and sinks. 397,471; Sept. 8; Serial No. 449,538; published June 30, 1942. Class 13.
Balfour, L. G., Company, Attleboro, Mass. Jewelry. 397,566; Sept. 8; Serial No. 452,683; published June 30, 1942. Class 28.
Ballinger, W. A., & Co., San Francisco, Calif. Cotton piece goods, sheets, and pillow cases, etc. 397,635; Sept. 8. Class 42.
Baltimore Lumber Company, Baltimore, Md. Lumber. 397,416; Sept. 8; Serial No. 444,960; published June 30, 1942. Class 12.
Bardon of Hollywood. (See Slate, Samuel.)
Barnard, Florence C., St. Paul, Minn. Ladies' and children's close fitting garments for covering the lower portion of the body and legs. 397,608; Sept. 8. Class 39.
Barz, Herman, New York, N. Y. Leather sweatbands for hats and caps. 397,567; Sept. 8; Serial No. 452,684; published June 23, 1942. Class 39.
Bee Hat & Cap Co., The, St. Louis, Mo. Men's and boys' hats. 397,642; Sept. 8. Class 39.
Bell Company, Inc., The, doing business as Flare Laboratories, Chicago, Ill. Soaps, washing solutions, and compounds for cleaning automobile bodies, metals, porcelains, etc. 397,411; Sept. 8; Serial No. 443,994; published Dec. 16, 1941. Class 4.
Bella and Company, New York, N. Y. Upholstery and drapery textile piece goods. 397,500; Sept. 8; Serial No. 451,435; published June 30, 1942. Class 42.
Bissell Carpet Sweeper Company, Grand Rapids, Mich. Manually operated carpet sweepers. 397,523; Sept. 8; Serial No. 452,158; published June 16, 1942. Class 23.
Blackman, S. William, doing business as National Syringe & Glass Products Co., New York, N. Y. Hypodermic syringes. 397,590; Sept. 8; Serial No. 452,900; published June 30, 1942. Class 44.
Blue Swan Mills, Inc., New York, N. Y. Ladies' and children's underwear. 397,613; Sept. 8. Class 39.
Boston Tea Products. (See Dannemiller Coffee Co.)
Botany Worsted Mills, Passaic, N. J. Woolen piece goods. 397,441; Sept. 8; Serial No. 451,027; published May 19, 1942. Class 42.
Breuer-Silberberg Corporation, New York, N. Y. Piece goods. 397,493; Sept. 8; Serial No. 451,287; published June 16, 1942. Class 42.
Brower Manufacturing Co., Quincy, Ill. Machine that mixes molasses into dairy and hog feeds. 397,549; Sept. 8; Serial No. 452,520; published June 30, 1942. Class 23.
Brown Company, Berlin, N. H. Paper products. 397,462; Sept. 8; Serial No. 448,898; published June 30, 1942. Class 37.
Burger, Joseph, New York, N. Y. Boxer's shoes. 397,612; Sept. 8. Class 39.
Cabantous, Antonio, Buenos Aires, Argentina. Leather shoes. 397,430; Sept. 8; Serial No. 448,031; published June 16, 1942. Class 39.
Callaway Mills, La Grange, Ga. Industrial wiping towels. 397,425; Sept. 8; Serial No. 447,301; published June 16, 1942. Class 42.
Cameo Fabrics, New York, N. Y. Woven textile fabrics. 397,494; Sept. 8; Serial No. 451,289; published June 30, 1942. Class 42.
Cameo Fabrics, New York, N. Y. Woven textile fabrics. 397,495; Sept. 8; Serial No. 451,290; published June 9, 1942. Class 42.
Cameron Importing Corp., New York, N. Y. Wholly or partly knitted garments and wearing apparel. 397,428; Sept. 8; Serial No. 447,682; published June 16, 1942. Class 39.
Caro & Co., Inc., New York, N. Y. Women's beach and sportswear. 397,646; Sept. 8. Class 39.
Cerophyl Laboratories, Inc., Kansas City, Mo. Therapeutic vitamin preparation for pets. 397,420; Sept. 8; Serial No. 445,919; published Mar. 31, 1942. Class 6.
Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Salt-and-pepper shakers, boxes, and lipstick holders. 397,404; Sept. 8; Serial No. 443,111; published June 30, 1942. Class 2.
Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Pyrophoric cigar lighters, candlesticks, and condenser tubes. 397,406; Sept. 8; Serial No. 443,553; published June 30, 1942. Class 34.
Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Bronze and brass bushings, copper hammer heads, copper soldering tools, etc. 397,446; Sept. 8; Serial No. 451,134; published June 30, 1942. Class 23.
Chicago Mail Order Company, Chicago, Ill. Men's leather shoes. 397,423; Sept. 8; Serial No. 446,616; published Jan. 6, 1942. Class 39.

Chicago Mail Order Company, Chicago, Ill. Women's and misses' shoes. 397,424; Sept. 8; Serial No. 446,863; published Mar. 10, 1942. Class 39.
Chipman's, Chas., Sons Co., Inc., New York, N. Y. Hosiery. 397,617–18; Sept. 8. Class 39.
Christensen, Peter Ch., Newark, N. J. Vitamin tablets and capsules. 397,427; Sept. 8; Serial No. 447,508; published June 23, 1942. Class 6.
Cobblers, Inc., Los Angeles, Calif. Women's shoes. 397,540; Sept. 8; Serial No. 452,386; published June 16, 1942. Class 39.
Collins & Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Worsted fabrics in the piece and cut lengths. 397,445; Sept. 8; Serial No. 451,225; published June 9, 1942. Class 42.
Collins & Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Cotton duck fabrics. 397,447; Sept. 8; Serial No. 451,224; published May 26, 1942. Class 42.
Companhia Antarctica Paulista, Sao Paulo, Brazil. Natural mineral waters, beverages, syrups, etc. 397,418; Sept. 8; Serial No. 445,117; published June 23, 1942. Class 45.
Companhia Antarctica Paulista, Sao Paulo, Brazil. Beers, porters, and ales. 397,420; Sept. 8; Serial No. 447,456; published June 23, 1942. Class 48.
Companhia Geral da Agricultura das Vinhas do Alto Douro, Oporto, Portugal. Portuguese wines. 21,716; re-renewed Sept. 6, 1942.
Congress Shirt Company, Boston, Mass. Sport jackets and parkas for use by men and young men. 397,453; Sept. 8; Serial No. 448,220; published June 2, 1942. Class 39.
Conkey, G. E., Co., The, Cleveland, Ohio. Insecticides, fungicides, and fumigants. 397,393; Sept. 8; Serial No. 427,296; published Jan. 7, 1941. Class 6.
Cook Electric Company, Chicago, Ill. Thermostats. 397,407; Sept. 8; Serial No. 443,630; published June 30, 1942. Class 26.
Corrao, Antonio, doing business as Universal Salad Oil Co., Brooklyn, N. Y. Edible peanut oil. 397,559; Sept. 8; Serial No. 452,638; published June 30, 1942. Class 46.
Cotton Board, The, Manchester, England. Textile piece goods. 397,413; Sept. 8; Serial No. 444,440; published June 9, 1942. Class 42.
Coty, Inc., New York, N. Y. Powder, toilet water, perfume, etc. 397,569; Sept. 8; Serial No. 452,743; published June 30, 1942. Class 6.
Cranberry Canners, Inc., Hanson, Mass. Canned dehydrated cranberry flakes. 397,586; Sept. 8; Serial No. 452,883; published June 30, 1942. Class 46.
Crystal, David, Inc., New York, N. Y. Textile fabrics. 397,524; Sept. 8; Serial No. 452,162; published June 23, 1942. Class 42.
Crystal, David, Inc., New York, N. Y. Textile fabrics. 397,593; Sept. 8; Serial No. 452,008; published June 23, 1942. Class 42.
Dannemiller Coffee Co., doing business as Boston Tea Products, Brooklyn, N. Y. Mint flavored tea. 397,620; Sept. 8. Class 46.
Deering Milliken & Co. Inc., New York, N. Y. Sheets and pillow cases. 397,513; Sept. 8; Serial No. 451,891; published June 23, 1942. Class 42.
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-Main, Germany. Chemical products. 397,432; Sept. 8; Serial No. 450,732; published June 23, 1942. Class 6.
Dewey and Almy Chemical Company, Cambridge, Mass. Cartons having an inner impermeable bag or liner. 397,530; Sept. 8; Serial No. 452,260; published June 30, 1942. Class 2.
Dilley, A. N., Jr., doing business as Dilley's Beverages, Enid, Okla. Beverages, syrups, and concentrates. 397,621; Sept. 8. Class 45.
Display Doughnut Machine Corporation, New York, N. Y., by change of name to Doughnut Corporation of America. Food oils. 162,061; renewed Dec. 5, 1942.
Dold, Jacob, Packing Co., assignor to Dold Packing Corporation, Buffalo, N. Y. Margarine and butter substitutes. 163,686; renewed Jan. 23, 1943.
D'Orsay Sales Corporation, New York, N. Y. Perfumes, toilet waters, colognes, etc. 397,545; Sept. 8; Serial No. 452,467; published June 30, 1942. Class 6.
Doughnut Corporation of America. (See Display Doughnut Corporation.)
Drittel, Julius, Inc., Elizabeth, N. J. Women's and misses' negligees, play suits, beach suits, etc. 397,394; Sept. 8; Serial No. 428,801; published June 23, 1942. Class 39.
Duplan Corporation, The, New York, N. Y. Silk, rayon, and cotton fabrics. 397,488; Sept. 8; Serial No. 450,623; published June 2, 1942. Class 42.
Dupli-Score, Inc., The, St. Paul, Minn. Bowling score sheet tables. 397,570; Sept. 8; Serial No. 452,745; published June 30, 1942. Class 32.
Eastern Isles Importing Co., Inc., New York, N. Y. Women's blouses, shirtwaists, panties, etc. 397,573; Sept. 8; Serial No. 452,767; published June 30, 1942. Class 39.
Ellis Coat Co., Inc., Manchester, Conn. Coats. 397,400; Sept. 8; Serial No. 442,257; published June 30, 1942. Class 39.
Elmo Sales Corporation, Philadelphia, Pa. Cold cream. 397,629; Sept. 8. Class 6.
Emsco Derrick & Equipment Company, Los Angeles, Calif. Steel derricks, sub-structures for steel derricks, drawworks, etc. 397,476; Sept. 8; Serial No. 449,963; published June 30, 1942. Class 23.
Esspi Glove Corporation. (See USA Esspi Glove Corporation.)
Excelled Sheepskin & Leather Coat Co. Inc., New York, N. Y. Leather coats, leather jackets, suede jackets, suede coats, and sheepskin coats and jackets. 397,397; Sept. 8; Serial No. 441,904; published June 10, 1941. Class 39.
Excelsior Varnish Works, Inc., The, Cleveland, Ohio. Solvent, detergent preparation. 397,505; Sept. 8; Serial No. 451,743; published June 30, 1942. Class 4.
Farmac Sales, Los Angeles, Calif. Dehydrated apples. 397,626; Sept. 8. Class 46.
Fenton Hats Inc., Yonkers, N. Y. Men's hats and caps. 397,649–50; Sept. 8. Class 39.
Ferier, Bianchini, Inc., New York, N. Y. Piece goods. 397,491–2; Sept. 8; Serial Nos. 451,284–5; published May 26, 1942. Class 42.
Firestone Tire & Rubber Company, The, Akron, Ohio. Playing cards. 397,574; Sept. 8; Serial No. 452,769; published June 30, 1942. Class 22.
Firestone Tire & Rubber Company, The, Akron, Ohio. Key cases. 397,587; Sept. 8; Serial No. 452,884; published June 30, 1942. Class 3.
Fisher, Barrett, doing business as Westville Laboratories, New Haven, Conn. Spray for apple and other fruit trees. 397,575; Sept. 8; Serial No. 452,770; published June 30, 1942. Class 6.
Flannery Bolt Company, Wilmington, Del., and Pittsburgh, to Flannery Bolt Company, Bridgeville, Pa., successor. Boiler stay bolts; track frog, and switch bolts and nuts, etc. 161,468; renewed Nov. 14, 1942.
Flare laboratories. (See Bell Company, Inc.)
Foley & Company, Chicago, Ill. Medicines, laxatives, and cathartics. 397,588; Sept. 8; Serial No. 452,888; published June 30, 1942. Class 6.
Foreman Fabrics Corp., New York, N. Y. Cotton, rayon, acetate and/or silk piece goods. 397,458; Sept. 8; Serial No. 448,635; published May 26, 1942. Class 42.
Foreman Fabrics Corp., New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods. 397,459; Sept. 8; Serial No. 448,636; published June 23, 1942. Class 42.
Foster Machine Co., Westfield, Mass. Yarn winding machinery. 397,466; Sept. 8; Serial No. 449,205; published June 30, 1942. Class 23.
Foundry Services, Inc., New York, N. Y. Chemical compounds, compositions, and preparations. 397,515; Sept. 8; Serial No. 451,972; published June 23, 1942. Class 6.
Franklin Laboratories, Inc., Hackettstown, N. J. Pharmaceutical preparation. 397,589; Sept. 8; Serial No. 452,890; published June 30, 1942. Class 6.
French Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 397,467; Sept. 8; Serial No. 449,318; published June 9, 1942. Class 42.
French Veiling Corp., New York, N. Y. Hair nets. 397,564; Sept. 8; Serial No. 452,668; published June 30, 1942. Class 39.
Gale Shoe Mfg. Co., Boston, Mass. Shoes. 397,431; Sept. 8; Serial No. 450,677; published June 23, 1942. Class 39.
Gem Products, Inc., Milwaukee, Wis. Polish. 397,601; Sept. 8. Class 16.
General Desserts Corporation, New York, N. Y. Cocoa beverage in powder form. 397,641; Sept. 8. Class 46.
General Machinery Corporation, Hamilton, Ohio. Lathes, planers, slotters, etc. 397,594; Sept. 8; Serial No. 452,013; published June 16, 1942. Class 23.
Chiglione, A. F., & Sons, Inc., assignor to Reconstruction Finance Corporation, Seattle, Wash. Macaroni, alphabets, vermicelli, etc. 160,498; renewed Oct. 24, 1942.
Glasorb Pipe Bowl Company. (See Liebowitz, Benjamin.)
Glensder Textile Co., New York, N. Y. Ladies' scarfs. 397,636; Sept. 8. Class 39.
Goldfarb, Samuel J., New York, N. Y. Ladies' and children's dresses and coats. 397,610; Sept. 8. Class 39.
Gorton, Thomas S., Jr., doing business as Slade Gorton Company, Chicago, Ill. Cut whiting fillets. 397,603; Sept. 8. Class 46.
Gross, L. N., Company, The, Cleveland, Ohio. Aprons, bungalow aprons, and dresses. 163,579; renewed Jan. 23, 1943.
H & H Grocery Co., The, Baltimore, Md. Canned fish. 397,472; Sept. 8; Serial No. 449,685; published June 30, 1942. Class 46.
Hawtof, Max., Philadelphia, Pa. Men's and boys' pants, suits, topcoats, etc. 397,580; Sept. 8; Serial No. 452,805; published June 30, 1942. Class 39.
Heating and Ventilating Magazine Co., to The Industrial Press, New York, N. Y., successor. Magazine. 162,261; renewed Dec. 12, 1942.
Hecht Co., The, Washington, D. C., also doing business as Hecht Bros., Baltimore, Md., and New York, N. Y., and as The Hub, Baltimore, Md. Boys' clothing. 397,640; Sept. 8. Class 39.
Hillsborough Packing Company, Inc., Tampa, Fla. Fresh citrus fruits. 397,555; Sept. 8; Serial No. 452,612; published June 23, 1942. Class 46.
Hoffman, Harold, New York, N. Y. Combination of extracts. 397,442; Sept. 8; Serial No. 451,037; published June 23, 1942. Class 6.

Horner Woolen Mills Company, Eaton Rapids, Mich. Blankets. 397,482; Sept. 8; Serial No. 450,278; published June 2, 1942. Class 42.

Horwitz & Duberman, New York, N. Y. Women's and girls' dresses, jackets, and coats. 397,624; Sept. 8. Class 39.

House of Tre-Jur, Inc., New York, N. Y. Toilet water, perfume, talcum powder, etc. 397,568; Sept. 8; Serial No. 452,726; published June 23, 1942. Class 6.

Household Products Co. (See Plee-Zing, Inc.)

Hub, The. (See Hecht Co., The.)

Hygrade Seed Company, Inc., Fredonia, N. Y. Seeds. 397,535; Sept. 8; Serial No. 452,353; published June 30, 1942. Class 1.

Industrial Press, The. (See Heating and Ventilating Magazine Co.)

Interstate Shade Cloth Company, Hoboken, N. J. Shade cloth. 397,596; Sept. 8; Serial No. 452,047; published June 16, 1942. Class 42.

"Inthebag" Laundry Sales Co., New Orleans, La. Laundry bags. 397,519; Sept. 8; Serial No. 452,128; published June 30, 1942. Class 2.

Irvington Varnish & Insulator Co., Irvington, N. J. Tubing. 397,541–2; Sept. 8; Serial No. 452,398–9; published June 30, 1942. Class 21.

Irwill Knitwear Corp., New York, N. Y. Ladies' and misses' sweaters, play-suits, and bathing suits. 397,602; Sept. 8. Class 39.

Irwin Auger Bit Company, The, Wilmington, Ohio. Auger bits for cabinet work. 397,395; Sept. 8; Serial No. 434,721; published June 23, 1942. Class 23.

Ismert-Hincke Milling Company, The, doing business as The Sun Ray Products Co., Kansas City, Kans., and Kansas City, Mo., to The Ismert-Hincke Milling Company, Kansas City, Mo. Wheat flour. 163,585; renewed Jan. 23, 1943.

Jacqmar Limited, London, England. Silk and woolen goods in the piece. 397,443; Sept. 8; Serial No. 451,038; published June 2, 1942. Class 42.

Jantzen Knitting Mills, Portland, Oreg. Sun tan liquid cream. 397,576; Sept. 8; Serial No. 452,777; published June 30, 1942. Class 6.

Jayne, Dr. D., & Son, Inc., Philadelphia, Pa. Medicinal preparations comprising vitamins and iron. 397,401; Sept. 8; Serial No. 442,556; published June 17, 1941. Class 6.

Johnston, Charles F., Oakland, Calif. Piston expanders. 397,460; Sept. 8; Serial No. 448,794; published June 23, 1942. Class 23.

Jolles, J., Studios, New York, N. Y. Unfinished needlepoint tapestry pieces. 397,631; Sept. 8. Class 40.

Joseph, F. A., doing business as Safex Company, New York, N. Y. Ash trays. 397,499; Sept. 8; Serial No. 451,414; published June 30, 1942. Class 8.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Men's clothing. 397,643; Sept. 8. Class 39.

Kellogg Company, Battle Creek, Mich. Feeds for carnivorous animals. 397,477–8; Sept. 8; Serial Nos. 449,993–4; published June 30, 1942. Class 46.

Kent, Elizabeth, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 397,591; Sept. 8; Serial No. 452,909; published June 30, 1942. Class 6.

Kewpie Lingerie, Inc., New York, N. Y. Ladies' underwear. 397,403; Sept. 8; Serial No. 443,009; published June 16, 1942. Class 39.

King, Ben, Inc., New York and Brooklyn, N. Y. Ladies' and men's garment belts, gloves, neckties, etc. 397,633; Sept. 8. Class 39.

King Features Syndicate, Inc., New York, N. Y. Cartoons. 163,775; renewed Jan. 30, 1943.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 397,392; Sept. 8; Serial No. 426,568; published June 23, 1942. Class 40.

Kobacker Stores, Inc., Tiedtke Division, Toledo, Ohio. Bed mattresses. 397,553; Sept. 8; Serial No. 452,860; published June 30, 1942. Class 32.

Kugel, B., Company, Inc., New York, N. Y. Machine hem-stitched textile motifs. 397,469; Sept. 8; Serial No. 449,425; published June 30, 1942. Class 40.

Lassco Products, Inc., Rochester, N. Y. Paper drill. 397,429; Sept. 8; Serial No. 447,742; published June 23, 1942. Class 23.

Leser, Tina, New York, N. Y. Hats and coats for men, women, and children and dresses for women and girls. 397,396; Sept. 8; Serial No. 441,513; published June 2, 1942. Class 39.

Lex Laboratories, Inc., Flushing, N. Y. Medicinal compounds. 397,581; Sept. 8; Serial No. 452,831; published June 30, 1942. Class 6.

Lichtenberg, Sam, Inc., New York, N. Y. Curtains. 397,490; Sept. 8; Serial No. 450,650; published Apr. 28, 1942. Class 42.

Lido Sportswear, Inc., New York, N. Y. Girls', juniors', and misses' coats, suits, skirts, etc. 397,520; Sept. 8; Serial No. 452,130; published June 16, 1942. Class 39.

Liebowitz, Benjamin, doing business as Glasorb Pipe Bowl Company, New York, N. Y. Pot holders. 397,615; Sept. 8. Class 42.

Linen Thread Co., Inc., The, New York, N. Y. Nets and netting. 397,479; Sept. 8; Serial No. 450,164; published June 23, 1942. Class 42.

Manhattan Novelty Company, New York, N. Y. Billfolds and wallets. 397,654; Sept. 8. Class 3.

Manhattan Shirt Company, The, New York, N. Y. Wearing apparel for women. 397,414; Sept. 8; Serial No. 444,507; published June 30, 1942. Class 39.

Mari, E. & O., Inc., Long Island City, N. Y. Strings for musical instruments. 397,437; Sept. 8; Serial No. 450,805; published June 30, 1942. Class 36.

Mari, E. & O., Inc., Long Island City, N. Y. Strings for musical instruments. 397,438; Sept. 8; Serial No. 450,807; published June 30, 1942. Class 36.

Marks, L. V., & Sons Company, The, Cincinnati, Ohio. Women's shoes of leather, fabric, and combinations of these materials. 397,503; Sept. 8; Serial No. 451,575; published June 16, 1942. Class 39.

Marks, L. V., & Sons Company, The, Cincinnati, Ohio. Women's shoes. 397,619; Sept. 8. Class 39.

McKesson & Robbins, Inc., New York, N. Y. Capsules or liquid containing a plurality of vitamins A, B_1, B_2, C, D, B_6, etc. 397,470; Sept. 8; Serial No. 449,462; published Feb. 17, 1942. Class 6.

Men's Hats, Inc., Baltimore, Md. Men's hats. 397,465; Sept. 8; Serial No. 449,187; published June 9, 1942. Class 39.

Metallizing Engineering Company, Inc., Long Island City, N. Y. Nickel-chromium and chromium alloy wires. 397,480; Sept. 8; Serial No. 450,182; published June 30, 1942. Class 14.

Miles Laboratories, Inc., Elkhart, Ind. Vitamin tablets. 397,637; Sept. 8. Class 6.

Mohn Brothers Company, Reading, Pa. Wool felt hat bodies. 397,609; Sept. 8. Class 39.

Morey Machinery Company, Inc., Astoria and New York, N. Y. Profiler and milling machines, lathes, vertical shapers, etc. 397,655; Sept. 8. Class 23.

Morse & Morse, Los Angeles, Calif. Ladies' underwear. 397,639; Sept. 8. Class 39.

Mov, Inc., New York, N. Y. Cream nail polish remover. 397,410; Sept. 8; Serial No. 443,848; published July 8, 1941. Class 6.

Musebeck Shoe Company, Danville, Ill. Boots and shoes. 397,507; Sept. 8; Serial No. 451,824; published June 16, 1942. Class 39.

Marjos, Inc., Boston, Mass. Ladies' shoes. 397,565; Sept. 8; Serial No. 452,677; published June 23, 1942. Class 39.

National Fabrics Corporation, New York, N. Y. Textile fabrics. 397,433; Sept. 8; Serial No. 450,740; published June 23, 1942. Class 42.

National Mineral Company, Chicago, Ill. Permanent waving curling agent. 397,584; Sept. 8; Serial No. 452,863; published June 30, 1942. Class 6.

National Syringe & Glass Products Co. (See Blackman, S. William.)

New Method Equipment Company, The, Indianola, Iowa. Farm machinery. 397,419; Sept. 8; Serial No. 445,611; published June 30, 1942. Class 23.

New York Girl Coat Co., Inc., New York, N. Y. Coats for women, misses, and children. 397,536; Sept. 8; Serial No. 452,362; published June 16, 1942. Class 39.

Normandin Bros. Co., Los Angeles, Calif. Robes. 397,622; Sept. 8. Class 39.

O'Neill, Bessie G., doing business as Southwest Chemical Co., Eagle Rock, Calif. Poisoned raisin and barley mixture for the control of gophers, prairie rats, squirrels, and mice. 397,577; Sept. 8; Serial No. 452,783; published June 30, 1942. Class 6.

Packard Dresses Inc., New York, N. Y. Ladies' and misses' dresses, and dress ensembles. 397,651; Sept. 8. Class 39.

Palm, Arnold, M. D., doing business as Palm Pharmacal Co., New York, N. Y. Mistletoe-phenobarbital preparation enriched with choline for hypertension and local vasospasms. 397,546; Sept. 8; Serial No. 452,483; published June 16, 1942. Class 6.

Paper Package Company, Indianapolis, Ind. Both set up and folding boxes made of paper, cardboard, solid fibre board, etc. 397,402; Sept. 8; Serial No. 442,635; published June 24, 1941. Class 2.

Parfums Schiaparelli, Inc., New York, N. Y. Perfumes, toilet waters, rouges, etc. 397,463; Sept. 8; Serial No. 449,065; published June 23, 1942. Class 6.

Parfums Schiaparelli, Inc., New York, N. Y. Perfumes, toilet waters, rouges, etc. 397,585; Sept. 8; Serial No. 452,869; published June 30, 1942. Class 6.

Parke, Davis & Company, Detroit, Mich. Preparations. 397,508; Sept. 8; Serial No. 451,853; published June 30, 1942. Class 6.

Parke, Davis & Company, Detroit, Mich. Vitamin preparation, iron preparation, etc. 397,509; Sept. 8; Serial No. 451,854; published June 30, 1942. Class 6.

Parke, Davis & Company, Detroit, Mich. Preparations. 397,510; Sept. 8; Serial No. 451,855; published June 30, 1942. Class 6.

Parke, Davis & Company, Detroit, Mich. Preparation containing an oral bacterial vaccine. 397,511; Sept. 8; Serial No. 451,856; published June 30, 1942. Class 6.

Peacock Laboratories, Inc., Philadelphia, Pa. Stamp pads, stamp pad moistener preparation, and stamp pad ink. 397,468; Sept. 8; Serial No. 449,391; published June 30, 1942. Class 11.

Pearce & Friedman, Inc., New York, N. Y. Leathers. 397,556; Sept. 8; Serial No. 452,619; published June 30, 1942. Class 1.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Curtain, drapery and upholstery fabrics. 397,461; Sept. 8; Serial No. 448,836; published May 26, 1942. Class 42.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Table cloths, card table covers, scarfs, etc. 397,526; Sept. 8; Serial No. 452,203; published June 23, 1942. Class 42.

Philtex Fabrics, Inc., New York, N. Y. Textile fabrics. 397,521; Sept. 8; Serial No. 452,132; published June 23, 1942. Class 42.

Picardy Mills, Inc., Brooklyn, N. Y. Cotton piece goods. 397,504; Sept. 8; Serial No. 451,688; published June 30, 1942. Class 42.

Plee-zing, Inc., doing business as Household Products Co., Chicago, Ill. Razor blades. 397,552; Sept. 8; Serial No. 452,566; published June 16, 1942. Class 23.

Ponemah Mills, Taftville, Conn. Cotton and rayon piece goods and balloon cloth. 397,448; Sept. 8; Serial No. 451,242; published May 26, 1942. Class 42.

Post, Abram H., to Jane M. Post, Chicago, Ill., successor. Rebuilt typewriters, typewriter repair parts, platen rollers, etc. 157,179; renewed July 25, 1942.

Post, Jane M. (See Post, Abram H.)

Poythress, Wm. P. & Co. Inc., Richmond, Va. Preparation for internal or external use. 397,405; Sept. 8; Serial No. 443,432; published June 23, 1942. Class 6.

Pratt, Elbert H., doing business as Arzone Products Co., Chicago, Ill. Mothproofing preparations. 397,534; Sept. 8; Serial No. 452,292; published June 30, 1942. Class 6.

Pro-phy-lac-tic Brush Company, Northampton, Mass. Combs. 397,550; Sept. 8; Serial No. 452,539; published June 23, 1942. Class 40.

Public Gas Co., Miami, Fla. Gas for household purposes. 397,422; Sept. 8; Serial No. 446,528; published Dec. 23, 1941. Class 6.

Pure Oil Company, The, Chicago, Ill. Hydrocarbon polymers and mineral oil products. 397,571; Sept. 8; Serial No. 452,754; published June 30, 1942. Class 6.

Quality Products, Inc., La Feria, Tex. Grapefruit juice. 397,489; Sept. 8; Serial No. 450,632; published June 30, 1942. Class 46.

Queens Vitamin Products, Inc., Flushing, New York N. Y. Medicinal compounds. 397,582; Sept. 8; Serial No. 452,837; published June 30, 1942. Class 6.

RFD Farm Products, Glenview, Ill. Spread for bread, crackers, cookies and the like. 397,496; Sept. 8; Serial No. 451,322; published June 30, 1942. Class 46.

Rahr Malting Co., Manitowoc, Wis. Malt. 397,525; Sept. 8; Serial No. 452,172; published June 30, 1942. Class 46.

Rayonier Incorporated, San Francisco, Calif. Wood pulp. 397,557; Sept. 8; Serial No. 452,622; published June 30, 1942. Class 1.

Reconstruction Finance Corporation. (See Ghiglione, A. F., & Sons, Inc., assignor.)

Recorg Supply Corporation, Chicago, Ill. Jams, jellies, fruit preserves, etc. 397,456; Sept. 8; Serial No. 448,522; published Mar. 10, 1942. Class 46.

Republic Pictures Corporation, New York, N. Y. Motion pictures and motion picture films. 397,543; Sept. 8; Serial No. 452,404; published June 30, 1942. Class 26.

Rich, John D., doing business as Saunemin Produce Company, Saunemin and Chicago, Ill. Canned food products. 397,455; Sept. 8; Serial No. 448,372; published June 30, 1942. Class 46.

Rigney, Robert M., Alhambra, Calif. Coffee cream dispensers. 397,595; Sept. 8; Serial No. 452,026; published June 16, 1942. Class 23.

Rinshed-Mason Company, Detroit, Mich. Black finishing lacquer. 397,638; Sept. 8. Class 16.

Riverside & Dan River Cotton Mill, Inc., Danville, Va., and New York, N. Y. Piece goods of cotton, rayon, and mixtures thereof. 397,444; Sept. 8; Serial No. 451,118; published May 26, 1942. Class 42.

Robins, A. H., & Co., Inc., Baltimore, Md. Canning machinery. 397,473; Sept. 8; Serial No. 449,702; published June 30, 1942. Class 23.

Rosenfeld, Max, Brooklyn, N. Y. Men's suits and overcoats. 397,528; Sept. 8; Serial No. 452,226; published June 23, 1942. Class 39.

Rosenthal & Doucette, Inc., Beverly, Mass., and New York, N. Y. Women's, ladies', and misses' shoes. 397,544; Sept. 8; Serial No. 452,434; published June 23, 1942. Class 39.

Rothmoor Corporation, Chicago, Ill. Ladies' coats and suits. 397,531; Sept. 8; Serial No. 452,228; published June 16, 1942. Class 39.

Roxborough Company, The, Philadelphia, Pa. Hosiery. 397,457; Sept. 8; Serial No. 448,527; published Jan. 27, 1942. Class 39.

Royal Typewriter Company, Inc., New York, N. Y. Typewriting machines and parts thereof. 397,632; Sept. 8. Class 23.

Rush, Fred W., doing business as Fred W. Rush Co., Los Angeles, Calif. Fresh vegetables. 439,440; Sept. 8; Serial No. 450,944; published Mar. 31, 1942. Class 46.

Saba Manufacturing Co., Los Angeles, Calif. Women's slack suits and dresses. 397,645; Sept. 8. Class 39.

Safex Company. (See Joseph, F. A.)

Saks & Company, New York, N. Y. Women's shoes. 397,533; Sept. 8; Serial No. 452,277; published June 16, 1942. Class 39.

Samette Manufacturing Company, Allentown, Pa. Ladies' underwear. 397,592; Sept. 8; Serial No. 452,938; published June 30, 1942. Class 39.

Saugatuck-Douglas Arts & Crafts Company, Detroit, Mich. Chairs, desks, tables, etc. 397,522; Sept. 8; Serial No. 452,135; published June 30, 1942. Class 32.

Saunemin Produce Company. (See Rich, John D.)

Schwab, Leopold B., New York, N. Y. Men's hosiery. 397,421; Sept. 8; Serial No. 446,466; published June 23, 1942. Class 39.

Scott & Bowne, Bloomfield, N. J. Skin liniment. 397,485; Sept. 8; Serial No. 450,552; published June 30, 1942. Class 6.

Scott & Bowne, Bloomfield, N. J. Cough remedy. 397,486; Sept. 8; Serial No. 450,553; published June 30, 1942. Class 6.

Scott & Bowne, Bloomfield, N. J. Skin ointment. 397,487; Sept. 8; Serial No. 450,554; published June 30, 1942. Class 6.

Seamless Steel Products Co., Milwaukee, Wis. Seamless steel containers. 163,760; renewed Jan. 23, 1943.

Sears, Roebuck and Co., Chicago, Ill. House slippers. 397,502; Sept. 8; Serial No. 451,508; published June 2, 1942. Class 39.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Pharmaceutical preparations. 397,391; Sept. 8; Serial No. 408,512; published June 30, 1942. Class 6.

Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Fountain pens and pencils. 397,553; Sept. 8; Serial No. 452,588; published June 30, 1942. Class 37.

Shelby Manufacturing Company, Shelbyville, Ind. Ladies' dresses. 397,625; Sept. 8. Class 39.

Shirley Silk Co., Inc., New York, N. Y. Textile fabrics. 397,474; Sept. 8; Serial No. 449,811; published June 2, 1942. Class 42.

Sisk, Albert W., & Son, Preston, Md. Canned tomatoes. 397,560; Sept. 8; Serial No. 452,657; published June 30, 1942. Class 46.

Slade Gorton Company. (See Gorton, Thomas S., Jr.)

Slate, Samuel, doing business as Bardon of Hollywood, Los Angeles, Calif. Men's and women's outer shirts, slacks, riding breeches, etc. 397,537; Sept. 8; Serial No. 452,364; published June 30, 1942. Class 39.

Smith, Marie E., New York, N. Y. Women's dresses. 397,514; Sept. 8; Serial No. 451,919; published June 16, 1942. Class 39.

Sonneborn, L., Sons, Inc., New York, N. Y. Chemical product. 397,435; Sept. 8; Serial No. 450,772; published June 30, 1942. Class 6.

Spatz Bros., Inc., New York, N. Y. Ladies' raincoats. 397,547; Sept. 8; Serial No. 452,486; published June 16, 1942. Class 39.

Spinnerin Yarn Co. Inc., New York, N. Y. Yarn. 397,506; Sept. 8; Serial No. 451,783; published June 16, 1942. Class 43.

Squirt Company, The, Beverly Hills, Calif. Grapefruit drink and bases and syrups and extracts for making the same. 397,551; Sept. 8; Serial No. 452,541; published June 30, 1942. Class 45.

Stearns & Foster Company, The, Lockland, Ohio. Cotton wadding. 397,497; Sept. 8; Serial No. 451,351; published June 30, 1942. Class 1.

Stearns, Frederick, & Company, Detroit, Mich. Enzyme preparation. 397,578; Sept. 8; Serial No. 452,791; published June 30, 1942. Class 6.

Stearns, Frederick, & Company, Detroit, Mich. Nutritive solution. 397,579; Sept. 8; Serial No. 452,792; published June 30, 1942. Class 6.

Steinberger Bros. Lobl Co., assignor to Aris Gloves, Inc., New York, N. Y. Gloves. 159,123; renewed Sept. 19, 1942.

Steiner-Geiss, Incorporated, Freehold, N. J. Pajamas. 397,498; Sept. 8; Serial No. 451,369; published June 16, 1942. Class 39.

Stember, John, & Co., New York, N. Y., assignor, by mesne assignments, to Amity Leather Products Co., West Bend, Wis. Leather novelties. 163,698; renewed Jan. 23, 1943.

Stetson, John B., Company, Philadelphia, Pa. Men's hats and caps. 397,622; Sept. 8. Class 39.

Stix, Baer and Fuller Company, St. Louis, Mo. Women's and misses' dresses and frocks. 397,653; Sept. 8. Class 39.

Straus, Royer & Strass, Inc., Baltimore, Md. Women's and Misses' slacks, overalls, playsuits, etc., and boys' shorts, slacks and shirts. 397,600; Sept. 8. Class 39.

Stroock, S., & Co., Inc., New York, N. Y. Woolen piece goods. 397,627; Sept. 8. Class 42.

Style Trades, Inc., New York, N. Y. Ladies' wearing apparel. 397,606; Sept. 8. Class 39.

Suburban Club Carbonated Beverage Co., Inc., Baltimore, Md. Nonalcoholic maltless beverage. 397,607; Sept. 8. Class 45.

Sun Ray Products Co., The. See Ismert-Hincke Milling Company, The.)

Superior Spray Machine Co., New York, N. Y. Insecticide sprayer. 397,599; Sept. 8. Class 23.

Tabin-Picker & Company, Chicago, Ill. Women's and misses' dresses. 397,634; Sept. 8. Class 39.

Tausend, Felix, & Sons, New York, N. Y. Table cloths, napkins, scarfs, and doilies. 397,434; Sept. 8; Serial No. 450,751; published June 23, 1942. Class 42.

Texas Tanning & Manufacturing Company, Yoakum, Tex. Belts, helmets, chaps, etc. 397,532; Sept. 8; Serial No. 452,230; published June 2, 1942. Class 39.

Tobler, Ernst & Traber, Inc., New York, N. Y. Woven fabrics for industrial and technical use. 397,439; Sept. 8; Serial No. 450,929; published May 26, 1942. Class 42.

Toby, New York, N. Y. Scarfs for men and ladies, collars for ladies' dresses, jerkins, and dickeys. 397,548; Sept. 8; Serial No. 452,487; published June 23, 1942. Class 39.

Trenton Mills, Inc., Trenton, Tenn. Stockinettes, polishing cloth, fleece cloth, etc. 397,475; Sept. 8; Serial No. 449,929; published May 26, 1942. Class 42.

Truscon Laboratories, Inc., Detroit, Mich. Synthetic resinous coating. 397,481; Sept. 8; Serial No. 450,266; published June 30, 1942. Class 16.

Truval Manufacturers, Inc., New York, N. Y. Men's and young men's outer shirts and neckties. 397,527; Sept. 8; Serial No. 452,206; published June 16, 1942. Class 39.

USA Esspi Glove Corporation, New York, N. Y., now by change of name Esspi Glove Corporation. Gloves. 397,417; Sept. 8; Serial No. 445,026; published June 9, 1942. Class 39.

Uddo & Taormina Company, Brooklyn, N. Y. Canned olive oil. 397,558; Sept. 8; Serial No. 452,626; published June 30, 1942. Class 46.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Art needlework yarns. 397,561–2; Sept. 8; Serial Nos. 452,660–1; published June 23, 1942. Class 43.

Ultra-Life Laboratories, Inc., East St. Louis, Ill. Animal sterol. 397,517; Sept. 8; Serial No. 452,113; published June 23, 1942. Class 6.

Universal Salad Oil Co. (See Carrao, Antonio.)

Vilter Manufacturing Company, The, Milwaukee, Wis. Refrigerating machines, air-coolers for refrigeration equipment, ice-making and ice-briquetting machines, etc. 397,464; Sept. 8; Serial No. 449,087; published June 30, 1942. Class 31.

Vita-Food Corporation, The, Los Angeles, Calif. Vitamin concentrate. 397,611; Sept. 8. Class 6.

Waeldin, August, Inc., New York, N. Y. Optical products. 397,652; Sept. 8. Class 26.

Wallace & Tiernan Products Incorporated, Belleville, N. J. Hormone compositions. 397,572; Sept. 8; Serial No. 452,757; published June 23, 1942. Class 6.

Warner Brothers Company, The, Bridgeport, Conn. Attachments for shoulder straps for undergarments. 397,614; Sept. 8. Class 40.

Webster Rubber Company, Sabattus, Me. Shoe soles. 397,604; Sept. 8. Class 39.

Wellworths Bazaars (Proprietary) Limited, Johannesburg, Transvaal, South Africa. Hosiery. 397,630; Sept. 8. Class 39.

Westville Laboratories. (See Fisher, Barrett.)

White Machine Works, Fort Wayne, Ind. Valves, pump strainers, well screens, etc. 397,436; Sept. 8; Serial No. 450,774; published June 30, 1942. Class 13.

Whiting Corporation, Harvey, Ill. Table structures for use with jacks in raising and lowering vehicle wheels in pits, locomotive hoists, etc. 397,451; Sept. 8; Serial No. 448,122; published June 23, 1942. Class 23.

Whittenton Manufacturing Company, Taunton, Mass. Piece goods. 397,648; Sept. 8. Class 42.

Wickbury Ltd., New York, N. Y. Men's and boys' shirts, sweaters, bathing shorts, etc. 397,483; Sept. 8; Serial No. 450,296; published June 16, 1942. Class 39.

Wilson Brothers, Chicago, Ill. Men's neckwear. 397,518; Sept. 8; Serial No. 452,117; published June 2, 1942. Class 39.

Wilson Brothers, Chicago, Ill. Men's outer shirts. 397,628; Sept. 8. Class 39.

Windsor-Lloyd Products, Inc., Wilmington, Del. Carburetors and fuel pumps. 397,563; Sept. 8; Serial No. 452,662; published June 30, 1942. Class 23.

Winkel, Mabel, & Co., New York, N. Y. Boots, shoes, and slippers. 397,412; Sept. 8; Serial No. 444,303; published June 30, 1942. Class 39.

Wisconsin Shoe Company, Milwaukee, Wis. Athletic shoes. 397,398–9; Sept. 8; Serial Nos. 441,985–6; published July 29, 1941. Class 39.

Wolverine Fabricating & Mfg. Co., Inc., Detroit, Mich. Sheet packing and gasket material. 397,529; Sept. 8; Serial No. 452,231; published June 30, 1942. Class 35.

Wool-Ray Products Corporation, New York, N. Y. Piece goods. 397,449; Sept. 8; Serial No. 451,251; published May 26, 1942. Class 42.

Wullschleger & Co., New York, N. Y. Silk, satin, rayon, and cotton fabrics. 397,538; Sept. 8; Serial No. 452,383; published June 30, 1942. Class 42.

X-Pando Corporation, Long Island City, N. Y. Cement. 397,450; Sept. 8; Serial No. 451,253; published May 26, 1942. Class 12.

Young's Merchandising Corporation, New York, N. Y. Men's hats. 397,597; Sept. 8; Serial No. 452,002; published June 16, 1942. Class 39.

Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. 397,454; Sept. 8; Serial No. 448,352; published June 30, 1942. Class 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cotton wadding. Stearns & Foster Company. 397,497; Sept. 8; Serial No. 451,351; published June 30, 1942.

Leathers. Pearce & Friedman, Inc. 397,556; Sept. 8; Serial No. 452,619; published June 30, 1942.

Pulp, Wood. Rayonier Incorporated. 397,557; Sept. 8; Serial No. 452,622; published June 30, 1942.

Seeds. Hygrade Seed Company. 397,535; Sept. 8; Serial No. 452,353; published June 30, 1942.

CLASS 2

Bags, Laundry. "Inthebag" Laundry Sales Co. 397,519; Sept. 8; Serial No. 452,128; published June 30, 1942.

Boxes made of paper, cardboard, etc., Both set up and folding. Paper Package Company. 397,402; Sept. 8; Serial No. 442,635; published June 24, 1941.

Cartons having an inner impermeable bag or liner. Dewey and Almy Chemical Company. 397,530; Sept. 8; Serial No. 452,260; published June 30, 1942.

Containers, Lipstick. Elizabeth Arden Sales Corporation. 397,415; Sept. 8; Serial No. 444,519; published June 30, 1942.

Containers, Seamless steel. Seamless Steel Products Co. 163,760; renewed Jan. 23, 1943.

Shakers, boxes and lipstick holders, Salt-and-pepper. Chase Brass & Copper Co. Incorporated, 397,404; Sept. 8; Serial No. 443,111; published June 30, 1942.

CLASS 3

Billfolds and wallets. Manhattan Novelty Company. 397,654; Sept. 8.

Cases, Key. Firestone Tire & Rubber Company. 397,587; Sept. 8; Serial No. 452,884; published June 30, 1942.

Leather novelties. John Stember & Co. 163,698; renewed Jan. 23, 1943.

CLASS 4

Preparation, Solvent, detergent. Excelsior Varnish Works, Inc. 397,505; Sept. 8; Serial No. 451,743; published June 30, 1942.

Soaps, washing solutions, and compounds for cleaning. Bell Company. 397,411; Sept. 8; Serial No. 443,994; published Dec. 16, 1941.

CLASS 6

Capsules or liquid containing a plurality of vitamins A, B_1, B_2, C, D, B_6, etc. McKesson & Robbins, Inc. 397,470; Sept. 8; Serial No. 449,462; published Feb. 17, 1942.

Chemical compounds, compositions, and preparations. Foundry Services, Inc. 397,515; Sept. 8; Serial No. 451,972; published June 23, 1942.

Chemical product. L. Sonneborn Sons, Inc. 397,435; Sept. 8; Serial No. 450,772; published June 30, 1942.

Chemical products. Deutsche Gold-und Silver-Scheideanstalt vormals Roessler. 397,432; Sept. 8; Serial No. 450,732; published June 23, 1942.

Cough remedy. Scott & Bowne. 397,486; Sept. 8; Serial No. 450,553; published June 30, 1942.

Cream, Cold. Elmo Sales Corporation. 397,629; Sept. 8.

Cream nail polish remover. Mov, Inc. 397,410; Sept. 8; Serial No. 443,848; published July 8, 1941.

Cream, Sun tan liquid. Jantzen Knitting Mills. 397,576; Sept. 8; Serial No. 452,777; published June 30, 1942.

Enzyme preparation. Frederick Stearns & Company. 397,578; Sept. 8; Serial No. 452,791; published June 30, 1942.

Extracts, Combination of. H. Hoffman. 397,442; Sept. 8; Serial No. 451,037; published June 23, 1942.

Gas for household purposes. Public Gas Co. 397,422; Sept. 8; Serial No. 446,528; published Dec. 23, 1941.

Hormone compositions. Wallace & Tiernan Products Incorporated. 397,572; Sept. 8; Serial No. 452,757; published June 23, 1942.

Hydrocarbon polymers and mineral oil products. Pure Oil Company. 397,571; Sept. 8; Serial No. 452,754; published June 30, 1942.

Insecticides, fungicides, and fumigants. G. E. Conkey Co. 397,393; Sept. 8; Serial No. 427,296; published Jan. 7, 1941.

Liniment, Skin. Scott & Bowne. 397,485; Sept. 8; Serial No. 450,552; published June 30, 1942.

Medicinal compounds. Lex Laboratories, Inc. 397,581; Sept. 8; Serial No. 452,831; published June 30, 1942.

Medicinal compounds. Queens Vitamin Products, Inc. 397,582; Sept. 8; Serial No. 452,837; published June 30, 1942.

Medicinal preparations. Dr. D. Jayne & Son, Inc. 397,401; Sept. 8; Serial No. 442,556; published June 17, 1941.

Medicines, laxatives, and cathartics. Foley & Company. 397,588; Sept. 8; Serial No. 452,888; published June 30, 1942.

Mothproofing preparations. E. H. Pratt. 397,534; Sept. 8; Serial No. 452,292; published June 30, 1942.

Nutritive solution. Frederick Stearns & Company. 397,579; Sept. 8; Serial No. 452,792; published June 30, 1942.

Ointment, Skin. Scott & Bowne. 397,487; Sept. 8; Serial No. 450,554; published June 30, 1942.

Perfume, toilet water, face powder, etc. Elizabeth Kent, Inc. 397,591; Sept. 8; Serial No. 452,909; published June 30, 1942.

Perfumes, toilet waters, colognes, etc. D'Orsay Sales Corporation. 397,545; Sept. 8; Serial No. 452,467; published June 30, 1942.

Perfumes, toilet waters, rouges, etc. Parfums Schiaparelli, Inc. 397,463; Sept. 8; Serial No. 449,065; published June 23, 1942.

Perfumes, toilet waters, rouges, etc. Parfums Schiaparelli, Inc. 397,585; Sept. 8; Serial No. 452,869; published June 30, 1942.

Permanent waving curling agent. National Mineral Company. 397,584; Sept. 8; Serial No. 452,863; published June 30, 1942.

Pharmaceutical preparations. Franklin Laboratories, Inc. 397,589; Sept. 8; Serial No. 452,890; published June 30, 1942.

Pharmaceutical preparations. Sharp & Dohme, Incorporated. 397,391; Sept. 8; Serial No. 408,512; published June 30, 1942.

Phenobarbital preparation enriched with choline for hypertension and local vasospasms, Mistletoe. A. Palm, M. D. 397,546; Sept. 8; Serial No. 452,483; published June 16, 1942.

Poisoned raisin and barley mixture for the control of gophers, prairie rats, squirrels, and mice. B. G. O'Neil. 397,577; Sept. 8; Serial No. 452,783; published June 30, 1942.

Powder, toilet water, perfume, etc. Coty, Inc. 397,569; Sept. 8; Serial No. 452,743; published June 30, 1942.

Preparation containing an oral bacterial vaccine. Parke, Davis & Company. 397,511; Sept. 8; Serial No. 451,856; published June 30, 1942.

Preparation containing the vitamin B complex and vitamin C. Parke, Davis & Company. 397,508; Sept. 8; Serial No. 451,853; published June 30, 1942.

Preparation for internal or external use. Wm. P. Poythress & Co. 397,405; Sept. 8; Serial No. 443,432; published June 23, 1942.

Preparations. Parke, Davis & Company. 397,510; Sept. 8; Serial No. 451,855; published June 30, 1942.

Spray for apple and other fruit trees. B. Fisher. 397,575; Sept. 8; Serial No. 452,770; published June 30, 1942.

Sterol, Animal. Ultra-Life Laboratories, Inc. 397,517; Sept. 8; Serial No. 452,113; published June 23, 1942.

Tablets, Vitamin. Miles Laboratories, Inc. 397,637; Sept. 8.

Toilet water, perfume, talcum powder, etc. House of Tre-Jur, Inc. 397,568; Sept. 8; Serial No. 452,726; published June 23, 1942.

Vitamin concentrate. Vita-Food Corporation. 397,611; Sept. 8.

Vitamin preparation for pets, Therapeutic. Cerophyl Laboratories, Inc. 397,420; Sept. 8; Serial No. 445,919; published Mar. 31, 1942.

Vitamin preparation, iron preparation, etc. Parke, Davis & Company. 397,509; Sept. 8; Serial No. 451,854; published June 30, 1942.

Vitamin tablets and capsules. P. C. Christensen. 397,427; Sept. 8; Serial No. 447,508; published June 23, 1942.

CLASS 8

Trays, Ash. F. A. Joseph. 397,499; Sept. 8; Serial No. 451,414; published June 30, 1942.

CLASS 11

Pads, stamp pad moistener preparation, and stamp pad ink. Stamp. Peacock Laboratories, Inc. 397,468; Sept. 8; Serial No. 449,391; published June 30, 1942.

CLASS 12

Cement. X-Pando Corporation. 397,450; Sept. 8; Serial No. 451,253; published May 26, 1942.

Cement, Powdered. Ash Grove Lime & Portland Cement Company. 397,500; Sept. 8; Serial No. 451,483; published June 30, 1942.

Lumber. Baltimore Lumber Company. 397,416; Sept. 8; Serial No. 444,960; published June 30, 1942.

CLASS 13

Bolts; track frog, and switch bolts and nuts, etc., Boiler stay. Flannery Bolt Company. 161,468; renewed Nov. 14, 1942.

Cabinets and sinks, Combined. Auburn Central Manufacturing Corporation. 397,471; Sept. 8; Serial No. 449,538; published June 30, 1942.

Valves, pump strainers, well screens, etc. White Machine Works. 397,436; Sept. 8; Serial No. 450,774; published June 30, 1942.

CLASS 14

Nickel-chromium and chromium alloy wires. Metallizing Engineering Company. 397,480; Sept. 8; Serial No. 450,182; published June 30, 1942.

CLASS 16

Lacquer, Black finishing. Rinshed-Mason Company. 397,638; Sept. 8.

Paint, oil, tar, etc. American Tar Company. 397,516; Sept. 8; Serial No. 451,998; June 30.

Polish. Gem Products, Inc. 397,601; Sept. 8.

Synthetic resinous coating. Truscon Laboratories, Inc. 397,481; Sept. 8; Serial No. 450,266; published June 30, 1942.

CLASS 21

Radio and television receiving sets and parts thereof. Zenith Radio Corporation. 397,454; Sept. 8; Serial No. 448,352; published June 30, 1942.

Tubing. Irvington Varnish & Insulator Co. 397,541–2; Sept. 8; Serial Nos. 452,398–9; published June 30, 1942.

CLASS 22

Cards, Playing. Firestone Tire & Rubber Company. 397,574; Sept. 8; Serial No. 452,769; published June 30, 1942.

CLASS 23

Bits for cabinet work, Auger. Irwin Auger Bit Company. 397,395; Sept. 8; Serial No. 434,721; published June 23, 1942.

Bushings, copper hammer heads, copper soldering tools, etc., Bronze and brass. Chase Brass & Copper Co. Incorporated. 397,446; Sept. 8; Serial No. 451,134; published June 30, 1942.

Canning machinery. A. K. Robins & Co. 397,473; Sept. 8; Serial No. 449,702; published June 30, 1942.

Carburetors and fuel pumps. Windsor-Lloyd Products, Inc. 397,563; Sept. 8; Serial No. 452,662; published June 30, 1942.

Derricks, sub-structures for steel derricks, drawworks, etc., Steel. Emsco Derrick & Equipment Company. 397,476; Sept. 8; Serial No. 449,963; published June 30, 1942.

Dispensers, Coffee cream. R. M. Rigney. 397,595; Sept. 8; Serial No. 452,026; published June 16, 1942.

Drill, Paper. Lassco Products, Inc. 397,429; Sept. 8; Serial No. 447,742; published June 23, 1942.

Drills for drilling in metal. Atlas Hardware Corp. 397,512; Sept. 8; Serial No. 451,866; published June 16, 1942.

Farm machinery. New Method Equipment Company. 397,419; Sept. 8; Serial No. 445,611; published June 30, 1942.

Lathes, planers, slotters, etc. General Machinery Corporation. 397,594; Sept. 8; Serial No. 452,013; published June 16, 1942.

Machine that mixes molasses into dairy and hog feeds. Brower Manufacturing Co. 397,549; Sept. 8; Serial No. 452,520; published June 30, 1942.

Piston expanders. C. F. Johnston. 397,460; Sept. 8; Serial No. 448,794; published June 23, 1942.

Profiler and milling machines, lathes, vertical shapers, etc. Morey Machinery Company. 397,655; Sept. 8.

Pumps and motors, and parts thereof, transmissions, etc., Hydraulic. Acrotorque Company. 397,408–9; Sept. 8; Serial Nos. 443,796–7; published June 23, 1942.

Razor blades. Plee-zing, Inc. 397,552; Sept. 8; Serial No. 452,566; published June 16, 1942.

Screw-drivers, Hand. L. I. Albert. 397,484; Sept. 8; Serial No. 450,410; published June 23, 1942.

Sprayer, Insecticide. Superior Spray Machine Co. 397,599; Sept. 8.

Sweepers, Manually operated carpet. Bissell Carpet Sweeper Company. 397,523; Sept. 8; Serial No. 452,158; published June 16, 1942.

Table structures for use with jacks in raising and lowering vehicle wheels in pits, locomotive hoists, etc. Whiting Corporation. 397,451; Sept. 8; Serial No. 448,122; published June 23, 1942.

Typewriters, typewriter repair parts, platen rollers, etc. A. H. Post. 157,179; renewed July 25, 1942.

Typewriting machines and parts thereof. Royal Typewriter Company. 397,632; Sept. 8.

Yarn winding machinery. Foster Machine Co. 397,466; Sept. 8; Serial No. 449,205; published June 30, 1942.

CLASS 24

Laundry apparatus, Commercial. American Laundry Machinery Company. 397,605; Sept. 8.

CLASS 26

Motion pictures and motion picture films. Republic Pictures Corporation. 397,543; Sept. 8; Serial No. 452,404; published June 30, 1942.

Optical products. August Waeldin, Inc. 397,652; Sept. 8.

Thermometers. American Thermometer Company. 397,644; Sept. 8.

Thermostats. Cook Electric Company. 397,407; Sept. 8; Serial No. 443,630; published June 30, 1942.

CLASS 28

Jewelry. L. G. Balfour Company. 397,566; Sept. 8; Serial No. 452,683; published June 30, 1942.

CLASS 31

Refrigerating machines, air-coolers for refrigeration equipment, ice-making and ice-briquetting machines, etc. Vilter Manufacturing Company. 397,464; Sept. 8; Serial No. 449,087; published June 30, 1942.

CLASS 32

Chairs, desks, tables, etc. Saugatuck-Douglas Arts & Crafts Company. 397,522; Sept. 8; Serial No. 452,135; published June 30, 1942.

Mattresses, Bed. Kobacker Stores, Inc., Tiedtke Division. 397,583; Sept. 8; Serial No. 452,860; published June 30, 1942.
Tables, Bowling score sheet. Duple-Score, Inc. 397,570; Sept. 8; Serial No. 452,745; published June 30, 1942.

CLASS 34

Lighters, candlesticks, and condenser tubes, Pyrophoric cigar. Chase Brass & Copper Co. Incorporated. 397,406; Sept. 8; Serial No. 443,553; published June 30, 1942.

CLASS 35

Packing and gasket material, Sheet. Wolverine Fabricating & Mfg. Co. 397,529; Sept. 8; Serial No. 452,231; published June 30, 1942.

CLASS 36

Strings for musical instruments. E. & O. Mari, Inc. 397,437; Sept. 8; Serial No. 450,805; published June 30, 1942.
Strings for musical instruments. E. & O. Mari, Inc. 397,438; Sept. 8; Serial No. 450,807; published June 30, 1942.

CLASS 37

Paper products. Brown Company. 397,462; Sept. 8; Serial No. 448,898; published June 30, 1942.
Pens and pencils, Fountain. W. A. Sheaffer Pen Company. 397,553; Sept. 8; Serial No. 452,588; published June 30, 1942.

CLASS 38

Cartoons. King Features Syndicate, Inc. 163,775; renewed Jan. 30, 1943.
Magazine. Heating and Ventilating Magazine Co. 162,261; renewed Dec. 12, 1942.

CLASS 39

Aprons, bungalow aprons, and dresses. L. N. Gross Company. 163,579; renewed Jan. 23, 1943.
Beach and sportswear, Women's. Carr & Co. Inc. 397,646; Sept. 8.
Belts, gloves, neckties, etc., Ladies' and men's garment. Ben King, Inc. 397,633; Sept. 8.
Belts, helmets, chaps, etc. Texas Tanning & Manufacturing Company. 397,532; Sept. 8; Serial No. 452,230; published June 2, 1942.
Blouses, shirtwaists, panties, etc., Women's. Eastern Isles Importing Co. 397,573; Sept. 8; Serial No. 452,767; published June 30, 1942.
Boots and shoes. Musebeck Shoe Company. 397,507; Sept. 8; Serial No. 451,824; published June 16, 1942.
Boots, shoes, and slippers. Mabel Winkel & Co. 397,412; Sept. 8; Serial No. 444,303; published June 30, 1942.
Close fitting garments for covering the lower portion of the body and legs, Ladies' and children's. F. C. Barnard. 397,608; Sept. 8.
Clothing, Boys'. Hecht Co. 397,640; Sept. 8.
Clothing, Men's. Kaufmann Department Stores, Inc., 397,643; Sept. 8.
Coats. Ellis Coat Co. 397,400; Sept. 8; Serial No. 442,257; published June 30, 1942.
Coats and suits, Ladies'. Rothmoor Corporation. 397,531; Sept. 8; Serial No. 452,228; published June 16, 1942.
Coats for women, misses, and children. New York Girl Coat Co. 397,536; Sept. 8; Serial No. 452,362; published June 16, 1942.
Coats, suits, skirts, etc., Girls', juniors', and misses'. Lido Sportswear, Inc. 397,520; Sept. 8; Serial No. 452,130; published June 13, 1942.
Diapers, Textile. Ann Manufacturing Company. 397,598; Sept. 8; Serial No. 452,065; published June 2, 1942.
Dresses and coats, Ladies' and children's. S. J. Goldfarb. 397,610; Sept. 8.
Dresses, and dress ensembles, Ladies' and misses'. Packard Dress Inc. 397,651; Sept. 8.
Dresses and frocks, Women's and misses'. Stix, Baer and Fuller Company. 397,653; Sept. 8.
Dresses, jackets, and coats, Women's and girls'. Horwitz & Duberman. 397,624; Sept. 8.
Dresses, Ladies'. Shelby Manufacturing Company. 397,625; Sept. 8.
Dresses, Women's. M. E. Smith. 397,514; Sept. 8; Serial No. 451,919; published June 16, 1942.
Dresses, Women's and misses'. Tabin-Picker & Company. 397,634; Sept. 8.
Garments and wearing apparel, Wholly or partly knitted. Cameron Importing Corp. 397,428; Sept. 8; Serial No. 447,682; published June 16, 1942.
Gloves. Steinberger Bros. Lobl Co. 159,123; renewed Sept. 19, 1942.
Gloves. USA Esspi Glove Corporation. 397,417; Sept. 8; Serial No. 445,026; published June 9, 1942.
Hair nets. French Veiling Corp. 397,564; Sept. 8; Serial No. 452,668; published June 30, 1942.
Hat bodies, Wool felt. Mohn Brothers Company. 397,609; Sept. 8.
Hats and caps, Men's. Fenton Hats Inc. 397,649–50; Sept. 8.
Hats and caps, Men's. John B. Stetson Company. 397,623; Sept. 8.
Hats and coats for men, women, and children and dresses for women and girls. T. Leser. 397,396; Sept. 8; Serial No. 441,513; published June 2, 1942.
Hats, Ladies' and misses'. Arnold, Constable & Company. 397,616; Sept. 8.
Hats, Men's. Men's Hats, Inc. 397,465; Sept. 8; Serial No. 449,187; published June 9, 1942.
Hats, Men's. Young's Merchandising Corporation. 397,597; Sept. 8; Serial No. 452,062; published June 16, 1942.
Hats, Men's and boys'. Bee Hat & Cap Co. 397,642; Sept. 8.
Hosiery. Chas. Chipman's Sons Co. 397,617–18; Sept. 8.
Hosiery. Roxborough Company. 397,457; Sept. 8; Serial No. 448,527; published Jan. 27, 1942.
Hosiery. Wellworths Bazaars (proprietary) Limited. 397,630; Sept. 8.
Hosiery, Ladies. Alden Mills. 397,452; Sept. 8; Serial No. 448,180; published June 23, 1942.
Hosiery, Men's. L. B. Schwab. 397,421; Sept. 8; Serial No. 446,466; published June 23, 1942.
Hosiery, sports shirts, shorts, etc., Men's. Atlas Underwear Company. 397,539; Sept. 8; Serial No. 452,385; published June 16, 1942.
Jackets and parkas for use by men and young men, Sport. Congress Shirt Company. 397,453; Sept. 8; Serial No. 448,220; published June 2, 1942.
Leather coats, jackets, suede jackets, coats, and sheepskin coats and jackets. Excelled Sheepskin & Leather Coat Co. Inc. 397,397; Sept. 8; Serial No. 441,904; published June 10, 1941.
Neckwear, Men's. Wilson Brothers. 397,518; Sept. 8; Serial No. 452,117; published June 2, 1942.
Negligees, play suits, beach suits, etc., Women's and misses'. Julius Drittel, Inc. 397,394; Sept. 8; Serial No. 428,801; published June 23, 1942.
Pajamas. Steiner-Geiss, Incorporated. 397,498; Sept. 8; Serial No. 451,369; published June 16, 1942.
Pants, suits, topcoats, etc., Men's and boys'. M. Hawtop. 397,580; Sept. 8; Serial No. 452,805; published June 30, 1942.
Raincoats, Ladies'. Spatz Bros., Inc. 397,547; Sept. 8; Serial No. 452,486; published June 16, 1942.
Robes. Normandin Bros. Co. 397,622; Sept. 8.
Scarfs for men and ladies, collars for ladies' dresses, jerkins, and dickeys. Toby. 397,548; Sept. 8; Serial No. 452,487; published June 23, 1942.
Scarfs, Ladies'. Glendsder Textile Co. 397,636; Sept. 8.
Shirts and neckties, Men's and young men's outer. Tru-Val Manufacturers, Inc. 397,527; Sept. 8; Serial No. 452,206; published June 16, 1942.
Shirts, Men's outer. Wilson Brothers. 397,628; Sept. 8.
Shirts, slacks, riding breeches, etc., Men's and women's outer. S. Slate. 397,537; Sept. 8; Serial No. 452,364; published June 30, 1942.
Shirts, sweaters, bathing shorts, etc., Men's and boys'. Wickbury Ltd. 397,483; Sept. 8; Serial No. 450,296; published June 16, 1942.
Shoes. Gale Shoe Mfg. Co. 397,431; Sept. 8; Serial No. 450,677; published June 23, 1942.
Shoes, Athletic. Wisconsin Shoe Company. 397,398–9; Sept. 8; Serial Nos. 441,985–6; published July 29, 1941.
Shoes, Boxer's. J. Burger. 397,612; Sept. 8.
Shoes, Ladies'. Narjos, Inc. 397,565; Sept. 8; Serial No. 452,677; published June 23, 1942.
Shoes, Leather. A. Cabantous. 397,430; Sept. 8; Serial No. 448,031; published June 16, 1942.
Shoes, Men's leather. Chicago Mail Order Company. 397,423; Sept. 8; Serial No. 446,616; published Jan. 6, 1942.
Shoes, Women's. Cobblers, Inc. 397,540; Sept. 8; Serial No. 452,386; published June 16, 1942.
Shoes, Women's. L. V. Marks & Sons Company. 397,503; Sept. 8; Serial No. 451,575; published June 16, 1942.
Shoes, Women's. L. V. Marks & Sons Company. 397,619; Sept. 8.
Shoes, Women's. Saks & Company. 397,533; Sept. 8; Serial No. 452,277; published June 16, 1942.
Shoes, Women's and misses. Chicago Mail Order Company. 397,424; Sept. 8; Serial No. 446,863; published Mar. 10, 1942.
Shoes, Women's, ladies', and misses'. Rosenthal & Doucette, Inc. 397,544; Sept. 8; Serial No. 452,434; published June 23, 1942.
Slack suits and dresses, Women's. Saba Manufacturing Co. 397,645; Sept. 8.
Slacks, overalls, playsuits, etc., Women's and misses', and boys' shorts, slacks and shirts. Straus, Royer & Strass, Inc. 397,600; Sept. 8.
Slippers, House. Sears, Roebuck and Co. 397,502; Sept. 8; Serial No. 451,508; published June 2, 1942.
Soles, Shoe. Webster Rubber Company. 397,604; Sept. 8.
Suits and overcoats, Men's. M. Rosenfeld. 397,528; Sept. 8; Serial No. 452,226; published June 23, 1942.
Sweatbands for hats and caps, Leather. H. Barz. 397,567; Sept. 8; Serial No. 452,684; published June 23, 1942.
Sweaters, playsuits, and bathing suits, Ladies' and misses'. Irwill Knitwear Corp. 397,602; Sept. 8.

Underwear, Ladies'. Kewpie Lingerie, Inc. 397,403; Sept. 8; Serial No. 443,009; published June 16, 1942.
Underwear, Ladies'. Morse & Morse. 397,639; Sept. 8.
Underwear, Ladies'. Samette Manufacturing Company. 397,592; Sept. 8; Serial No. 452,938; published June 30, 1942.
Underwear, Ladies' and children's. Blue Swan Mills, Inc. 397,613; Sept. 8.
Wearing apparel for women. Manhattan Shirt Company. 397,414; Sept. 8; Serial No. 444,507; published June 30, 1942.
Wearing apparel, Ladies'. Style Trades, Inc. 397,606; Sept. 8.

CLASS 40

Attachments for shoulder straps for undergarments. Warner Brothers Company. 397,614; Sept. 8.
Combs. Pro-phy-lac-tic Brush Co. 397,550; Sept. 8; Serial No. 452,539; published June 23, 1942.
Dress shields. I. B. Kleinert Rubber Company. 397,392; Sept. 8; Serial No. 426,568; published June 23, 1942.
Motifs, Machine hem-stitched textile. B. Kugel Company. 397,469; Sept. 8; Serial No. 449,425; published June 30, 1942.
Needlepoint tapestry pieces, Unfinished. J. Jolles Studios. 397,631; Sept. 8.

CLASS 42

Blankets. Horner Woolen Mills Company. 397,482; Sept. 8; Serial No. 450,278; published June 2, 1942.
Cloth, Shade. Interstate Shade Cloth Company. 397,596; Sept. 8; Serial No. 452,047; published June 16, 1942.
Cotton piece goods. Picardy Mills, Inc. 397,504; Sept. 8; Serial No. 451,688; published June 30, 1942.
Cotton piece goods, sheets, and pillowcases, etc. W. A. Ballinger & Co. 397,635; Sept. 8.
Cotton, rayon, acetate and/or silk piece goods. Foreman Fabrics Corp. 397,458; Sept. 8; Serial No. 448,635; published May 26, 1942.
Cotton, rayon, acetate, and/or silk piece goods. Foreman Fabrics Corp. 397,459; Sept. 8; Serial No. 448,636; published June 23, 1942.
Curtains. Sam Lichtenberg, Inc. 397,490; Sept. 8; Serial No. 450,650; published Apr. 28, 1942.
Fabrics, Cotton duck. Collins & Aikman Corporation. 397,447; Sept. 8; Serial No. 451,224; published May 26, 1942.
Fabrics, Curtain, drapery and upholstery. J. C. Penney Company. 397,461; Sept. 8; Serial No. 448,836; published May 26, 1942.
Fabrics for industrial and technical use, Woven. Tobler, Ernst & Traber, Inc. 397,439; Sept 8; Serial No. 450,929; published May 26, 1942.
Fabrics, Silk, rayon, and cotton. Duplan Corporation. 397,488; Sept. 8; Serial No. 450,623; published June 2, 1942.
Nets and netting. Linen Thread Co. 397,479; Sept. 8; Serial No. 450,164; published June 23, 1942.
Piece goods. Breuer-Silberberg Corporation. 397,493; Sept. 8; Serial No. 451,287; published June 16, 1942.
Piece goods. Ferier Bianchini, Inc. 397,491–2; Sept. 8; Serial Nos. 451,284–5; published May 26, 1942.
Piece goods. Whittenton Manufacturing Company. 397,648; Sept. 8.
Piece goods. Wool-Ray Products Corporation. 397,449; Sept. 8; Serial No. 451,251; published May 26, 1942.
Piece goods and balloon cloth, Cotton and rayon. Ponemah Mills. 397,448; Sept. 8; Serial No. 451,242; published May 26, 1942.
Piece goods of cotton, rayon, and mixtures thereof Riverside & Dan River Cotton Mills, Inc. 397,444; Sept. 8; Serial No. 451,118; published May 26, 1942.
Pot holders. B. Liebowitz. 397,615; Sept. 8.
Sheets and pillow cases. Deering Milliken & Co. Inc. 397,513; Sept. 8; Serial No. 451,891; published June 23, 1942.
Silk and woolen goods in the piece. Jacqmar Limited. 397,443; Sept. 8; Serial No. 451,038; published June 2, 1942.
Silk, satin, rayon, and cotton fabrics. Wullschleger & Co. 397,538; Sept. 8; Serial No. 452,383; published June 30, 1942.
Stockinettes, polishing cloth, fleece cloth, etc. Trenton Mills, Inc. 397,475; Sept. 8; Serial No. 449,929; published May 26, 1942.
Table cloths, card table covers, scarfs, etc. J. C. Penney Company. 397,526; Sept. 8; Serial No. 452,203; published June 23, 1942.
Table cloths, napkins, scarfs, and doilies. F. Tausend & Sons. 397,434; Sept. 8; Serial No. 450,751; published June 23, 1942.
Textile fabrics. David Crystal Inc. 397,524; Sept. 8; Serial No. 452,162; published June 23, 1942.
Textile fabrics. David Crystal Inc. 397,593; Sept. 8; Serial No. 452,008; published June 23, 1942.
Textile fabrics. National Fabrics Corporation. 397,433; Sept. 8; Serial No. 450,740; published June 23, 1942.
Textile fabrics. Philtex Fabrics, Inc. 397,521; Sept. 8; Serial No. 452,132; published June 23, 1942.
Textile fabrics. Shirley Silk Co. 397,474; Sept. 8; Serial No. 449,811; published June 2, 1942.
Textile fabrics in the piece. French Fabrics Corporation. 397,467; Sept. 8; Serial No. 449,318; published June 9, 1942.
Textile fabrics, Woven. Cameo Fabrics. 397,494; Sept. 8; Serial No. 451,289; published June 30, 1942.
Textile piece goods. Cotton Board. 397,413; Sept. 8; Serial No. 444,440; published June 9, 1942.
Towels, Industrial wiping. Callaway Mills. 397,425; Sept. 8; Serial No. 447,301; published June 16, 1942.
Upholstery and drapery textile piece goods. Bella and Company. 397,500; Sept. 8; Serial No. 451,435; published June 30, 1942.
Woolen piece goods. Amalgamated Textiles Limited. 397,647; Sept. 8.
Woolen piece goods. Botany Worsted Mills. 397,441; Sept. 8; Serial No. 451,027; published May 19, 1942.
Woolen piece goods. S. Stroock & Co. 397,627; Sept. 8.
Worsted fabrics in the piece and cut lengths. Collins & Aikman Corporation. 397,445; Sept. 8; Serial No. 451,225; published June 9, 1942.
Woven textile fabrics. Cameo Fabrics. 397,495; Sept. 8; Serial No. 451,290; published June 9, 1942.

CLASS 43

Yarn. Spinnerin Yarn Co. Inc. 397,506; Sept. 8; Serial No. 451,783; published June 16, 1942.
Yarns, Art needlework. Bernhard Ulmann Co. Inc. 397,561–2; Sept. 8; Serial Nos. 452,660–1; published June 23, 1942.

CLASS 44

Hypodermic syringes. S. W. Blackman. 397,590; Sept. 8; Serial No. 452,900; published June 30, 1942.

CLASS 45

Beverage, Nonalcoholic, maltless. Suburban Club Carbonated Beverage Co. 397,607; Sept. 8.
Beverages, syrups, and concentrates. A. N. Dilley, Jr. 397,621; Sept. 8.
Grapefruit drink and bases and syrups and extracts for making the same. Squirt Company. 397,551; Sept. 8; Serial No. 452,541; published June 30, 1942.
Mineral waters, beverages, syrups, etc., Natural. Companhia Antarctica Paulista. 397,418; Sept. 8; Serial No. 445,117; published June 23, 1942.

CLASS 46

Apples, Dehydrated. Farmac Sales. 397,626; Sept. 8.
Canned dehydrated cranberry flakes. Cranberry Canners, Inc. 397,586; Sept. 8; Serial No. 452,883; published June 30, 1942.
Canned fish. H & H Grocery Co. 397,472; Sept. 8; Serial No. 449,685; published June 30, 1942.
Canned food products. J. D. Rich. 397,455; Sept. 8; Serial No. 448,372; published June 30, 1942.
Canned olive oil. Uddo & Taormina Company. 397,558; Sept. 8; Serial No. 452,626; published June 30, 1942.
Canned tomatoes. A. W. Sisk & Son. 397,560; Sept. 8; Serial No. 452,657; published June 30, 1942.
Cocoa beverage in powder form. General Desserts Corporation. 397,641; Sept. 8.
Feeds for carnivorous animals. Kellogg Company. 397,477–8; Sept. 8; Serial Nos. 449,993–4; published June 30, 1942.
Fillets, Cut whiting. T. S. Gorton, Jr. 397,603; Sept. 8.
Flour, Wheat. Ismert-Hincke Milling Company. 163,585; renewed Jan. 23, 1943.
Food oils. Display Doughnut Machine Corporation. 162,061; renewed Dec. 5, 1942.
Fruits, Fresh citrus. Hillsborough Packing Company. 397,555; Sept. 8; Serial No. 452,612; published June 23, 1942.
Grapefruit juice. Quality Products, Inc. 397,489; Sept. 8; Serial No. 450,632; published June 30, 1942.
Jams, jellies, fruit preserves, etc. Recorg Supply Corporation. 397,456; Sept. 8; Serial No. 448,522; published Mar. 10, 1942.
Macaroni, alphabets, vermicelli, etc. A. F. Ghiglione & Sons, Inc. 160,498; renewed Oct. 24, 1942.
Malt. Rahr Malting Co. 397,525; Sept. 8; Serial No. 452,172; published June 30, 1942.
Margarine and butter substitutes. Jacob Dold Packing Co. 163,686; renewed Jan. 23, 1943.
Peanut oil, Edible. A. Corrao. 397,559; Sept. 8; Serial No. 452,638; published June 30, 1942.
Spread for bread, crackers, cookies, and the like. RFD Farm Products. 397,496; Sept. 8; Serial No. 451,322; published June 30, 1942.
Tea, Mint flavored. Dannemiller Coffee Co. 397,620; Sept. 8.
Vegetables, Fresh. F. W. Rush. 439,440; Sept. 8; Serial No. 450,944; published Mar. 31, 1942.
Vinegar. American Industries Corporation. 397,554; Sept. 8; Serial No. 452,595; published June 30, 1942.

CLASS 47

Wines, Portuguese. Companhia Geral da Agricultura das Vinhas do Alto Douro. 21,716; re-renewed Sept. 6, 1942.

CLASS 48

Beers, porters, and ales. Companhia Antarctica Paulista. 397,426; Sept. 8; Serial No. 447,456; published June 23, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF SEPTEMBER, 1942

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Edison General Electric Appliance Company. (See Sharp, John C., assignor.)

Groene, William F., and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Broaching lathe. Re. 22,174; Sept. 8.

Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Meyer, assignors.)

Meyer, Walter R. (See Groene, W. F., and Meyer.)

Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Selective control system and apparatus. Re. 22,175; Sept. 8.

Russell, William J., and K. L. Woodman, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Broiler and fryer unit. Re. 22,176; Sept. 8.

Sharp, John C., Glen Ellyn, assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Heating device. Re. 22,177; Sept. 8.

Teletype Corporation. (See Potts, Louis M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Russell, W. J., and Woodman, assignors.)

Woodman, Kenneth L. (See Russell, W. J., and Woodman.)

LIST OF DESIGN PATENTEES

Alt, Anne. (See Redares, Suzanne, assignor.)

American Chicle Co. (See Everett, J. G., and Clark, assignors.)

Anderson, Oliver W., Cedar Rapids, Iowa. Monument. 133,690; Sept. 8.

Andrick, William F., Detroit, Mich. Service wagon. 133,757; Sept. 8.

Arnold, Harold G., Wooster, Ohio, assignor to Toy Craft, Inc. Table. 133,691; Sept. 8.

Ballard, William R., Kansas City, Mo. Radio cabinet. 133,707; Sept. 8.

Beach, Barbara, San Francisco, Calif. Clasp. 133,692; Sept. 8.

Bringolf, Ralph L. (See Nelson, W. A., and Bringolf.)

Buckner, Anthony J., Jackson Heights, assignor to Grosfeld House, Inc., New York, N. Y. Chest or similar article. 133,693; Sept. 8.

Buckner, Anthony J., Jackson Heights, assignor to Grosfeld House, Inc., New York, N. Y. Chest or similar article. 133,694; Sept. 8.

Buckner, Anthony J., Jackson Heights, assignor to Grosfeld House, Inc., New York, N. Y. Bedstead. 133,695; Sept. 8.

Cadet Smokestands Co. (See Ladd, James B., assignor.)

Carson, Netye, New York, N. Y. Dress. 133,762; Sept. 8.

Carson, Netye, New York, N. Y. Dress. 133,763; Sept. 8.

Clark, Charles J. (See Everett, J. G., and Clark.)

Cohn & Rosenberger, Inc. (See Katz, Adolph, assignor.)

Connolly, Catherine M., Chicago, Ill. Prayer token or the like. 133,696; Sept. 8.

Constantine, Nicholas A., Duluth, Minn. Power driven hand sprayer. 133,708; Sept. 8.

Cook, William G., Jr., Greenville, Pa. Picture carrying service banner. 133,697; Sept. 8.

Cutler, Elizabeth, New York, N. Y. Dress. 133,764; Sept. 8.

Dannecker, Rudolph, Beacon, N. Y. Lace. 133,719; Sept. 8.

Dixon-Bartlett Company. (See Henkel, Hans, assignor.)

Egbert, Montrose F., New York, N. Y. Dress ensemble. 133,748; Sept. 8.

Egbert, Montrose F., New York, N. Y. Dress ensemble. 133,749; Sept. 8.

Elder, John W., Middletown, Ohio. Wrapping paper. 133,709; Sept. 8.

Eubanks, Floyd G., assignor of forty-seven and one-half per cent to F. E. Vaughan, Pasadena, and five per cent to R. M. McManigal, Compton, Calif. Drop bow compass. 133,698; Sept. 8.

Everett, Julian G., Dobbs Ferry, and C. J. Clark, Port Washington, assignors to American Chicle Co., Long Island City, N. Y. Display case. 133,699; Sept. 8.

Franck, Jerome J., New York, N. Y. Dress. 133,758; Sept. 8.

Franklin, Sylvia, New York, N. Y. Dress. 133,765; Sept. 8.

Gilliam, Harry F., Kansas City, Mo. Gummed paper tape dispenser. 133,710; Sept. 8.

Gottlieb, David E., New York, N. Y. Dress. 133,766; Sept. 8.

Granat, Leo, San Francisco, Calif. Gem mounting. 133,700; Sept. 8.

Greenberg, Fred, New York, N. Y. Dress. 133,767; Sept. 8.

Greendale, Moe, assignor to Advance Button and Pleating Co., Chicago, Ill. Tucked skirt. 133,733; Sept. 8.

Grosfeld House, Inc. (See Buckner, Anthony J., assignor.)

Henkel, Hans, Baltimore, Md., assignor to Dixon-Bartlett Company. Shoe. 133,701; Sept. 8.

Hoffmann, Boje, New York, N. Y. Dress. 133,768; Sept. 8.

Hoffmann, Boje, New York, N. Y. Dress. 133,769; Sept. 8.

Illges, Norman S., assignor to Shannon Hosiery Mills, Incorporated, Columbus, Ga. Package for hosiery. 133,720; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,728; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,729; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,730; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,731; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,732; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,734; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,735; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,736; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,737; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,738; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,739; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,740; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,741; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,742; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,743; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,744; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Separable brooch. 133,745; Sept. 8.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 133,746. Sept. 8.

King, Gordon A. A., Kew, England. Horseshoe. 133,721; Sept. 8.

Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Suction cleaner casing or the like. 133,711; Sept. 8.

Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Suction cleaner or similar apparatus. 133,712; Sept. 8.

Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Suction cleaner or similar apparatus. 133,713; Sept. 8.

Kuekes, Edward D., Berea, Ohio. Badge or similar article. 133,750; Sept. 8.
Ladd, James B., Chicago, Ill., assignor to Cadet Smokestands Co., Des Moines, Iowa. Cocktail smoker. 133,722; Sept. 8.
Marathon Company. (See Thatcher, Charles L., assignor.)
May, Edward P., New Brighton, Pa. Display rack. 133,723; Sept. 8.
May, Helen, New York, N. Y. Dress. 133,770; Sept. 8.
McAfee, Donald. (See Gisnet, S., and McAfee, assignors.)
McAfee, Donald, San Mateo, and S. Gisnet, San Francisco, assignors to Pacific Brewing & Malting Co., San Jose, Calif. Neon tubular sign. 133,702; Sept. 8.
McKinley, Benjamin P., Chicago, Ill. Electric soldering device. 133,724; Sept. 8.
McManigal, Robert M. (See Eubanks, Floyd G., assignor.)
Medoff, William, Forest Hills, Long Island, N. Y. Tissue package. 133,714; Sept. 8.
Mock, Hugo, New York, N. Y. Collapsible tube blank. 133,759; Sept. 8.
Moskowitz, Jacob, New York, N. Y. Dress. 133,760; Sept. 8.
Moskowitz, Jacob, New York, N. Y. Dress. 133,761; Sept. 8.
Neef, Frederick E., Jr., U. S. Army, Baltimore, Md. Portable fuel dispenser frame. 133,715; Sept. 8.
Nelson, William A., and R. L. Bringolf, Houston, Tex. Buckle. 133,747; Sept. 8.
Newman, Albert H., Chicago, Ill. Combined sachet and container. 133,716; Sept. 8.
Newman, Albert H., Chicago, Ill. Combined sachet and container. 133,717; Sept. 8.
Pacific Brewing & Malting Co. (See Gisnet, S., and McAfee, assignors.)
Parker, Samuel E., Dunkirk, Ind. Combined bowl and plate. 133,703; Sept. 8.
Pereira, Belmiro, Forest Hills, N. Y. Brooch or similar article. 133,704; Sept. 8.
Redares, Suzanne, North Hollywood, assignor to A. Alt, Rolling Hills, Calif. Bandeaux Brassière. 133,752; Sept. 8.
Redares, Suzanne, North Hollywood, assignor to A. Alt, Rolling Hills, Calif. Long-Line Brassière. 133,753; Sept. 8.
Reid, Edith S., Kansas City, Mo. Milk pail holder. 133,727; Sept. 8.
Ressinger, Paul M., Chicago, Ill. Combined display case and pen demonstrator unit. 133,705; Sept. 8.
Rost, Katheryn, New York, N. Y. Dress. 133,771; Sept. 8.
Shannon Hosiery Mills, Incorporated. (See Illeges, Norman S., assignor.)
Sol, Philip, Chicago, Ill. Pin or similar article. 133,751; Sept. 8.
Stahl, Harold H., New York, N. Y. Dress. 133,772; Sept. 8.
Stahl, Harold H., New York, N. Y. Dress. 133,773; Sept. 8.
Susi, Michael A., assignor to Vogue Prints, Inc., New York, N. Y. Textile fabric or similar article. 133,754; Sept. 8.
Sutcliffe, Harry L., New York, N. Y. Shoe. 133,725; Sept. 8.
Thatcher, Charles L., South Attleboro, Mass., assignor to Marathon Company. Jewelry finding. 133,706; Sept. 8.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 133,755; Sept. 8.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 133,756; Sept. 8.
Toy Craft, Inc. (See Arnold, Harold G., assignor.)
Truhon, John A., Detroit, Mich. Rope anchor. 133,718; Sept. 8.
Vaughan, F. E. (See Eubanks, Floyd G., assignor.)
Vogue Prints, Inc. (See Susi, Michael A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kruck, Ralph E., assignor.)
Workman, Bernard, New York, N. Y. Combined wired chenille and felt stripping. 133,726; Sept. 8.
Zahn, Philip, New York, N. Y. Dress. 133,774; Sept. 8.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF SEPTEMBER, 1942

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Riegel, B., Smith, Schweitzer, and Free, assignors.)
Able, Lawrence M., St. Matthews, S. C. Support for drums. 2,295,318; Sept. 8.
Adam, Louis D., Ponca City, Okla., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Weed guard for fishing lures. 2,295,375; Sept. 8.
Adams, Francis E., Portland, Oreg., and C. H. Thompson, Huntington Valley, Pa., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,295,149; Sept. 8.
Adams, James J., assignor to Zenith Radio Corporation, Chicago, Ill. Radio receiving apparatus. 2,295,191; Sept. 8.
Adkins, Bernard, Rugby, England, assignor to General Electric Company. Polyphase shunt commutator motor. 2,295,319; Sept. 8.
Affelder, Harry F., Cleveland Heights, Ohio. Plate mounting. 2,294,879; Sept. 8.
Alden, Milton, Brockton, Mass. Electrical socket. 2,294,880; Sept. 8.
Aldrich, Charles H., Elizabeth, N. J., assignor of one-half to The American Metal Company, Limited, New York, N. Y., and one-half to The International Nickel Company of Canada, Limited, Copper Cliff, Ontario, Canada. Skewback. 2,294,946; Sept. 8.
Alexander, James W., Bozeman, Mont. Sewing machine needle. 2,295,193; Sept. 8.
Alford, Andrew, New York, N. Y., assignor to International Telephone & Radio Manufacturing Corporation. High frequency impedance unit. 2,294,881; Sept. 8.
Alford, Andrew, New York, N. Y., assignor to International Telephone & Radio Manufacturing Corporation. Aircraft landing system. 2,294,882; Sept. 8.
Alien Property Custodian. (See Draemann, Max.)
Alien Property Custodian. (See Heetkamp, Heinrich.)
Alien Property Custodian. (See Wilhelm, Karl.)
Allen, Edwin J., Pittsfield, Mass., assignor to General Electric Company. Electric discharge device. 2,295,320; Sept. 8.
Allen, Frank M., Summit, N. J., assignor to Congoleum-Nairn Inc. Felt lining. 2,295,070; Sept. 8.
Altheimer, Ben, University City, Mo., assignor of one-fourth to A. F. Karst and three-fourths to M. Altheimer. Container. 2,295,508; Sept. 8.
Altheimer, Myrtle, et al. (See Altheimer, Ben, assignor.)
American Box Board Company. (See Van Wingen, Neil P., assignor.)
American Cast Iron Pipe Company. (See Moore, William D., assignor.)
American Cyanamid Company. (See Bradley, Theodore F., assignor.)
American Cyanamid Company. (See Erickson, Stephen E., assignor.)
American Fork & Hoe Company, The. (See Adam, Louis D., assignor.)
American Fork & Hoe Company, The. (See Connors, Charles J., assignor.)
American Hardware Corporation, The. (See Morgen, Sigurd P., assignor.)
American Hardware Corporation, The. (See Teich, Ernest L., assignor.)
American Linen Company. (See Belden, Charles W., assignor.)
American Machine and Metals, Inc. (See Davis, A. H., Jr., and Martinson, assignors.)
American Metal Company, Limited, et al. (See Aldrich, Charles H., assignor.)
American Ore Reduction Corporation. (See Hodson, F., Yu Wang, and Hodson, assignors.)
American Smelting and Refining Company. (See Plass, Lewis, assignor.)
American Steel Foundries. (See Cottrell, Robert G., assignor.)
American Steel Foundries. (See Tack, Carl E., assignor.)
American Tool Works Company, The. (See Hoelscher, William G., assignor.)
Amico, Joseph, assignor to F. Keiper, Rochester, N. Y. Last for shoes. 2,294,885; Sept. 8.
Anderson, Albert F., San Francisco, Calif. Whirl deflecting vanes for hydraulic turbines. 2,295,495; Sept. 8.
Anderson, Carl Ludwig, and E. R. Freeberg, assignors to Eagle Signal Corporation, Moline, Ill. Traffic signal lamp. 2,294,883; Sept. 8.
Anderson, Elmer W., Leonia, N. J. Nasal filter element. 2,295,321; Sept. 8.
Anderson, Leslie J., Westmont, N. J., assignor to Radio Corporation of America. Electroacoustical apparatus. 2,295,376; Sept. 8.
Andis Clipper Company. (See Andis, Mathew, assignor.)
Andis, Mathew, assignor to Andis Clipper Company, Racine, Wis. Massaging device. 2,294,947; Sept. 8.
Andrews, Delia C., Columbus, Ohio. Protecting hood. 2,295,279; Sept. 8.
Angel, Charles M., Huntington, W. Va. Forming bearing metal surfaces on backing metals. 2,294,886; Sept. 8.
Ansley, Arthur C., New York, N. Y. Photoflash unit. 2,295,071; Sept. 8.
Anschicks, Rudolph J., assignor to Protectoseal Company of America, Inc., Chicago, Ill. Faucet. 2,295,445; Sept. 8.
Arborio, John, Poughkeepsie, N. Y., and M. Bottino, Hamden, Conn. Spading device. 2,295,322; Sept. 8.
Archibald, Francis M., Elizabeth, N. J., assignor to Standard Oil Development Company. Finishing mineral white oils. 2,294,884; Sept. 8.
Armstrong Cork Company. (See Green, Clarence C., assignor.)
Armstrong, Edwin H., New York, N. Y. Current limiting device. 2,295,323; Sept. 8.
Arroyo, Rafael, Rio Piedras, P. R. Ethanol fermentation of blackstrap molasses. 2,295,150; Sept. 8.
Arters, Edward T., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Bus structure. 2,295,377; Sept. 8.
Arthur, Charles E., Napa, Calif. Closure actuating and locking mechanism. 2,295,324; Sept. 8.
Artomatic Machinery Corp. (See Hopkins, Arthur C., assignor.)
Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. A lubricating composition and modified addition agents for the same. 2,295,192; Sept. 8.
Associated Electric Laboratories, Inc. (See Voss, John H., assignor.)
Atkinson, Truman L., Ludington, Mich. Window ventilator. 2,295,194; Sept. 8.
Atwood, Wilfrid L., Richmond, Va., assignor to The Guardite Corporation. Moistening tobacco and other organic products in bulk. 2,294,887; Sept. 8.
Austin, James A., assignor to Jensen-Salsbery Laboratories, Inc., Kansas City, Mo. Phenothiazine suspension. 2,294,888; Sept. 8.
Avery, W. & T., Limited. (See Yates, Harry, assignor.)
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,294,948; Sept. 8.
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,294,949; Sept. 8.
Ayers, Osborn. (See Brown, G. B., and Ayers.)
Ayres, Reginald J. (See Geiger, W. J., and Ayres.)
Baak, Albert E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric switch. 2,295,151; Sept. 8.
Babcock, David L., assignor to Eastman Kodak Company, Rochester, N. Y. Attachment for film splicing apparatus. 2,294,950; Sept. 8.
Baker, Albert L., et al. (See Baker, William E., assignor.)
Baker, Sylvia M., et al. (See Baker, William E., assignor.)
Baker, Thomas A., Logansport, Ind. Isostatic fluid distribution system. 2,295,251; Sept. 8.
Baker, William E., assignor of one-third to A. L. and S. M. Baker, Chickasha, Okla. Pulley. 2,294,951; Sept. 8.
Baldwin Rubber Company. (See Cotterman, Don R., assignor.)
Ball, Charles F., Wauwatosa, and L. G. Hilkemeier, assignors to Chain Belt Company, Milwaukee, Wis. Boom and bucket distributing apparatus for concrete mixers. 2,295,509; Sept. 8.
Ball, Charles F., and Charles I. Longenecker, Wauwatosa, assignors to Chain Belt Company, Milwaukee, Wis. Flexible pipe section. 2,295,510; Sept. 8.
Barnsteiner, Alfons, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Range platform. 2,295,378; Sept. 8.
Barnum, Charles F., Wilmington, Calif. Electric soldering tool. 2,295,195; Sept. 8.
Barol, Alfred, assignor to John Wyeth & Brother, Incorporated, Philadelphia, Pa. Medicinal product. 2,294,889; Sept. 8.
Barr, John D., Pittsburgh, Pa., assignor to Transit Research Corporation. Emergency release for spring applied brakes. 2,295,196; Sept. 8.
Barron, William L., Laurence Harbor, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricated hook for sewing machines. 2,295,511; Sept. 8.

Bates, C. J., & Son. (See Slingsby, Ernest W., assignor.)
Bay West Paper Company. (See Peacock, F. C., and Engel, assignors.)
Beatty, David E. (See Uecker, R. A., Beatty, and Oertle.)
Beatty, William A., and P. K. Chatterjea, Sidcup, Kent, England, assignors to International Standard Electric Corporation. Television system. 2,295,023; Sept. 8.
Beck, Edward F. W., Pittsburgh, and Charles M. Lear, Irwin, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Low voltage protective device. 2,295,379; Sept. 8.
Behnisch, Robert, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of trimethyl-parabenzoquinone. 2,295,446; Sept. 8.
Belden, Charles W., Chicago, Ill., assignor, by mesne assignments, to American Linen Company, Los Angeles, Calif. Color-matching device. 2,295,325; Sept. 8.
Bell, Albert O. and L. W. Vinal, Leominster, Mass., and W. P.-G. Hall, Berwyn, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Compensating precision brush holder. 2,295,326; Sept. 8.
Bell Telephone Laboratories, Incorporated. (See Cesareo, Orfeo, assignor.)
Bell Telephone Laboratories, Incorporated. (See Björnsen, Björn G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dickten, Emil, Jr., assignor.)
Bell Telephone Laboratoies, Incorporated. (See Edwards, W. H., and Herckmans, assignors.)
Bell Telephone Laboratories, Incorporated. (See Honaman, R. K., Osgood and Perkins, assignors.)
Bell Telephone Laboratories, Incorporated. (See Hovland, Henry, assignor.)
Bell Telephone Laboratories, Incorporated. (See Hussey, Luther W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Johnson, John B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Massonneau, Robert F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Spencer, Charles G., assignor.)
Bellman, Henry. (See Radtke, C., and Bellman.)
Bendix Aviation Corporation. (See Nardone, Romeo M., assignor.)
Bendix Home Appliances, Inc. (See Oliver, Wallace F., assignor.)
Bendz, Waldemar I., Arlington, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Loop control system. 2,295,327; Sept. 8.
Benedict, Wayne L. and W. J. Mattox, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic re-forming of hydrocarbons. 2,295,197; Sept. 8.
Bennett, Ralph S., Pittsfield, Mass., assignor to General Electric Company. Protective device. 2,295,328; Sept. 8.
Bennett, Willard H., Newark, Ohio. Fluid movement with precipitation. 2,295,152; Sept. 8.
Bierman, William, New York, N. Y. Measurement device. 2,295,447; Sept. 8.
Birr, Rudolph G., Lombard, and A. C. Grunwald, River Forest, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah. Towel dispensing cabinet. 2,295,252; Sept. 8.
Bitzer, Gottlob, Lincoln Park, assignor to Textile Machine Works, Wyomissing, Pa. Weft bar hookup apparatus. 2,295,512; Sept. 8.
Björnson, Björn G., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Two-way signal transmission system. 2,295,153; Sept. 8.
Black, Charles C., Acampo, Calif. Agricultural implement. 2,295,329; Sept. 8.
Bland, Wallace E., San Jose, Calif. Planter. 2,295,380; Sept. 8.
Blessing, Frank, Spokane, Wash. Lawn trimmer. 2,295,072; Sept. 8.
Blodjer, Olav, Stockton, Calif. Eyeshade. 2,294,952; Sept. 8.
Bloomberg, Maxwell H., Pittsburgh, Pa. Fracture aligner. 2,295,253; Sept. 8.
Blnemle, Arnold A., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Electric switch. 2,294,953; Sept. 8.
Blumlein, Alan D., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Television or other signal transmission system. 2,295,330; Sept. 8.
Blythe, Frank H., Lakewood, and L. W. Kuttler, Jr., Wickliffe, assignors to Colators, Inc., Painesville, Ohio. Collating machine. 2,295,073; Sept. 8.
Boeckeler, Benjamin C., Riverside, Conn. Pump. 2,295,024; Sept. 8.
Borman, Philip K. (See Stoddard, E. S., and Borman.)
Bottino, Mario. (See Arborio, J., and Bottino.)
Bouton, Edgar M., Nutley, N. J., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Compensating sheave for elevators. 2,295,381; Sept. 8.
Bowsher, Edward A. H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric signal-responsive device. 2,295,025; Sept. 8.
Brace, Porter H., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Device for magnetic measurements and inspection. 2,295,382; Sept. 8.
Braddon, Frederick D., Babylon, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Universal oscillation damper for sensitive instruments. 2,295,198; Sept. 8.
Braddon, Frederick D., Babylon, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Air borne gyrocompass. 2,295,254; Sept. 8.
Bradley, Theodore F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Unsaturated esters. 2,295,513; Sept. 8.
Brady, James J., West Englewood, assignor to Carol-Kay Company, Inc., Jersey City, N. J. Coin controlled dispensing device. 2,294,954; Sept. 8.
Braf, Gerhard, Glendale, N. Y. Gathering attachment for sewing machines. 2,295,255; Sept. 8.
Brannstrom, Per G. L. (See Kalling, B. M. S., and Brannstrom.)
Brant, Joseph H., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of unsaturated aldehydes. 2,294,955; Sept. 8.
Brinker, Elizabeth M. (See Brinker, Joseph M.)
Brinker, Joseph M., Pittsburgh, Pa., assignor to J. S. Brinker, Baltimore, Md., as trustee for E. M. Brinker. Structural corrugated building unit and wall fabricated therefrom. 2,294,890; Sept. 8.
Brinker, Josephine S., as trustee. (See Brinker, Joseph M., assignor.)
Brinkman, Herbert C., assignor to Stacey Brothers Gas Construction Company, Cincinnati, Ohio. Storage tank. 2,295,514; Sept. 8.
Bristol Company, The. (See Leone, Otto J., assignor.)
Britton, Edgar C., and J. E. Eisenman, assignors to The Dow Chemical Company, Midland, Mich. Purifying phenothiazine. 2,295,074; Sept. 8.
Brooks, Hamilton, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Capacitor unit. 2,295,331; Sept. 8.
Brower, Paul W., Toledo, Ohio. Drain valve. 2,295,154; Sept. 8.
Brown, Frank. (See Ellis, G. H., and Brown.)
Brown, George B. Martinsville, and O. Ayers, Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Making sound absorbing material. 2,295,155; Sept. 8.
Brown, Hart, and J. H. Martin, Houston, Tex. Force measuring device. 2,295,026; Sept. 8.
Brugma, Antoine J., The Hague, Netherlands. Process and device for fractional distillation of liquid mixtures, more particularly petroleum. 2,295,256; Sept. 8.
Bryce, James W., Glen Ridge, N. J., and Arthur H. Dickinson, Scarsdale, assignors to International Business Machines Corporation, New York, N. Y. Dividing machine. 2,295,448; Sept. 8.
Buckingham, William D., Southampton, assignor to The Western Union Telegraph Company, New York, N. Y. Receiving system. 2,294,956; Sept. 8.
Bucknam, James H., M. J. Harris and A. J. Miller, Cranford, N. J., assignors to The Linde Air Products Company. Apparatus for conditioning the surfaces of metal bodies. 2,295,523; Sept. 8.
Budd Induction Heating, Inc. (See Somes, Howard E., assignor.)
Bullock, Edward W., and J. V. Fidd, assignors to Gleason Works, Rochester, N. Y. Machine for hardening gears. 2,294,891; Sept. 8.
Bundy, George M., Beechhurst, N. Y., assignor to H. & A. Selmer, Inc., Elkhart, Ind. Valve and valve seat for accordions. 2,295,156; Sept. 8.
Burrows, Lawton A., and R. W. H. Gentry, Woodbury, N. J., and D. L. Lewis, Jr., Swarthmore, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Heating device. 2,295,075; Sept. 8.
Butt, Charles A., Atlanta, Ga., and J. Frank, Carlsbad, N. Mex., assignors to International Agricultural Corporation, New York, N. Y. Producing potassium sulphate. 2,295,257; Sept. 8.
Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Crimping textile fibers. 2,294,957; Sept. 8.
Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning process and compositions therefor. 2,294,958; Sept. 8.
Call, Reginald L., assignor to The Charles Parker Company, Meriden, Conn. Vise. 2,295,332; Sept. 8.
Callicott, Oakley H., Memphis, Tenn. Cutoff die for cake droppers. 2,295,027; Sept. 8.
Cameron, James L., Eldora, Iowa. Storm door protecting and closing mechanism. 2,295,496; Sept. 8.
Campbell, Donald J. (See Campbell, Norman M. and D. J.)
Campbell, Norman M., Muskegon Heights, and D. J. Campbell, Spring Lake Township, Ottawa County, Mich. Metal casting. 2,294,959; Sept. 8.
Cann, John A., Bickley, assignor to Turner & Newall Limited, Scotland, Rochdale, England. Apparatus for agitating and distributing liquids. 2,295,258; Sept. 8.
Caps, Arthur W. (See Landrock, P., and Caps.)
Carey-McFall Company. (See Stuber, Walter J., assignor.)
Carlson, Arnold B., Aurora, Ill. Method of and apparatus for producing screen repair apparatus. 2,295,157; Sept. 8.
Carlson, Bert G., Will-O-Bee, assignor to The Weatherhead Company, Cleveland, Ohio. Hose coupling. 2,294,960; Sept. 8.

Carlson, Fritz E., and J. West, Chicago, Ill. Time switch. 2,294,961; Sept. 8.
Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Two-band signal receiving system. 2,295,383; Sept. 8.
Carol-Kay Company. (See Brady, James J., assignor.)
Carroll, Phil, Jr., Maplewood, N. J. Calculating device. 2,295,497; Sept. 8.
Carroll, Burt H., and J. J. Chechak, assignors to Eastman Kodak Company, Rochester, N. Y. Dye for photographic layers. 2,294,892; Sept. 8.
Carroll, Burt H., and J. J. Chechak, assignors to Eastman Kodak Company, Rochester, N. Y. Dye for photographic layers. 2,294,893; Sept. 8.
Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopic artificial horizon. 2,295,158; Sept. 8.
Carvelli, Gustaf, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Piston. 2,295,199; Sept. 8.
Carver, Richard N. (See Lohr, R. J., and Carver.)
Cassell, John A., Brooklyn, assignor to National Biscuit Company, New York, N. Y. Centering device for oven bands. 2,294,962; Sept. 8.
Celanese Corporation of America. (See Ellis, G. H., and Brown, assignors.)
Celotex Corporation, The. (See Muench, Carl G., assignor.)
Certain-Teed Products Corporation. (See Stalder, Lee R., assignor.
Cesareo, Orfeo, Washington Township, Bergen County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trunk hunting circuit. 2,295,200; Sept. 8.
Chabrand, Oscar A., et al. (See Hall, C., and Fernando, assignors.)
Chain Belt Company. (See Ball, C. F., and Hilkemeier, assignors.)
Chain Belt Company. (See Ball, C. F., and Longenecker, assignors.)
Charles Parker Company, The. (See Call, Reginald L., assignor.
Chaterjea, Prafulla K. (See Beatty, W. A., and Chatterjea.)
Chayes, Nathaniel, New Rochelle, N. Y. Removable denture. 2,295,201; Sept. 8.
Chechak, Jonas J. (See Carroll, B. H., and Chechak.)
Child, Edward R., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Airplane control balancing system. 2,295,159; Sept. 8.
Christenson, George, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Packing assembly. 2,295,160; Sept. 8.
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener member and fastener installation. 2,295,449; Sept. 8.
Cincinnati Grinders Incorporated. (See Graf, A. J., and Septant.)
Cinecolor, Inc. (See Gundelfinger, Alan M., assignor.)
Clark, Edward B., Milford, Conn., assignor to General Electric Company. Box supporting device. 2,295,333; Sept. 8.
Clark, Frances H., New York, and Robert F. Dirkes, Jamaica, N. Y. Metallurgy of ferrous metals. 2,295,334; Sept. 8.
Clarke, Robert E. (See Gloss, G. H., and Clarke.)
Clausen, Henry P., White Plains, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn. Variable speed playback for sound machines. 2,294,963; Sept. 8.
Clay, Harry C., assignor to Reeves Pulley Company, Columbus, Ind. Hydraulic control mechanism. 2,295,161; Sept. 8.
Cloud, William S., Wilmette, Ill. Process and apparatus for packaging articles. 2,295,335; Sept. 8.
Clymer, Charles C., Schenectady, N. Y., assignor to General Electric Company. Control system for induction motors. 2,295,336; Sept. 8.
Coca-Cola Company, The. (See Stout, George P., assignor.)
Cochran, Clyde E., Cleveland, Ohio, assignor to The Elwell-Parker Electric Company. Electric motor drive for industrial trucks. 2,295,076; Sept. 8.
Coffey, Newton W., El Paso, Tex. Electric switch mechanism. 2,295,259; Sept. 8.
Colators, Inc. (See Blythe, F. H., and Kuttler, Jr., assignors.)
Colators, Inc. (See Rupp, W. C., Kuttler, and Johnson, assignors.)
Cole, Bernard T., Burbage, assignor to B. Toone (Nottingham) Limited, Nottingham, England. Knitting machine. 2,295,450; Sept. 8.
Cole, Charles T., Jr., Drexel Hill, Pa., assignor to Radio Corporation of America. Continuously variable inductance device. 2,295,384; Sept. 8.
Collier, William B. (See Cooney, J. M., and Collier.)
Collins, Samuel B., Wantage Township, Sussex County, N. J. Decorative laminated products. 2,295,028; Sept. 8.
Concrete Transport Mixer Company. (See Sandherr, Frederick H., assignor.)
Congoleum-Nairn Inc. (See Allen, Frank M., assignor.)
Conn, C. G., Ltd. (See Jeffries, Le Roy J., assignor.)
Connors, Charles J., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Pruning shears. 2,295,385; Sept. 8.
Cooney, John M., Akron, and W. B. Collier, Tallmadge, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Power transmission belt. 2,295,029; Sept. 8.
Cornell, Fritz G., Jr., Mountain Lakes N. J. Seal for liquid treating apparatus. 2295,098; Sept. 8.
Cotterman Don R., assignor to Baldwin Rubber Company, Pontiac, Mich. Apparatus for manufacturing floor mats. 2,295.099; Sept. 8.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Brake gear safety device. 2,295,162; Sept. 8.
Cox, Joseph H., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Igniter bushing. 2,295,386; Sept. 8.
Crane Co. (See Mackett, Frank J., Jr., assignor.)
Creager, Frederick L., Camden, N. J., assignor to Radio Corporation of America. Indicator. 2,295,387; Sept. 8.
Cumming, Andrew L. (See Johnson, F. D., and Cumming.)
Curthalt Company, The. (See Weida, Millard F., assignor.)
Curtiss-Wright Corporation. (See Child, Edward R., assignor.)
Curtiss-Wright Corporation. (See Erny, Frank, assignor.)
Cutler-Hammer, Inc. (See Krieger, Alvin W., assignor.)
Cutler-Hammer, Inc. (See Meuer, George J., assignor.)
Cuttino, William H., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic control systems for capacitors. 2,295,388; Sept. 8.
Dales, Benton, Bowling Green, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Gelling an aqueous dispersing of neoprene. 2,295,030; Sept. 8.
Danciger Oil and Refineries, Inc. (See Hall, John L., assignor.)
Dao Corporation, The. (See Owen, Orlando K., Jr., assignor.)
Darnell, Victor L., assignor to The Master Electric Company, Dayton, Ohio. Field ring. 2,295,203; Sept. 8.
Davidson, Bruce J., Manhasset, assignor to National Biscuit Company, New York, N. Y. Carton. 2,294,964; Sept. 8.
Davidson, Bruce J., Manhasset, assignor to National Biscuit Company, New York, N. Y. Shipping and display container. 2,294,965; Sept. 8.
Davis, Archibald H., Jr., Rock Island, and E. O. Martinson, Moline, Ill., assignors to American Machine and Metals, Inc., New York, N. Y. Fan mounting. 2,295,451; Sept. 8.
Davis, George B., Jr., Washington, D. C. Thermostatic flasher. 2,295,202; Sept. 8.
Davis, Paul B., East Cleveland, Ohio, assignor to General Electric Company. Cooling apparatus for electric lamps. 2,295,031; Sept. 8.
Day, James. (See Dreisbach, R. R., and Day.)
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Communication exchange system. 2,295,032; Sept. 8.
Dean, Francis H. (See Schreiber, J. H., and Dean.)
Dean & Sherk Company. (See Krentler, Gilbert W., assignor.)
Deaton, Charles U., Centralia, Ill. Game apparatus. 2,295,452; Sept. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,295,163; Sept. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,295,164; Sept. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,295,165; Sept. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,295,166; Sept. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,295,167; Sept. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,295,168; Sept. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,295,169; Sept. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,295,170; Sept. 8.
Dehler, Lee R., et al. (See Sanho, Clarence I., assignor.)
Denison Engineering Company, The. (See Denison, William C., Jr., assignor.)
Denison, William C., Jr., assignor to The Denison Engineering Company, Columbus, Ohio. Machine for testing spark plugs. 2,295,453; Sept. 8.
Derrah, Robert V., Beverly Hills, Calif. Automatic variable speed power transmission. 2,295,337; Sept. 8.

Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
De Vilbiss Company, The. (See Schmidt, Charles F., assignor.)
Diamond Expansion Bolt Company, Inc. (See Pleister, Henry W., assignor.)
Di Cesare Offset Propeller Corporation. (See Di Cesare, Pierino, assignor.)
Di Cesare, Pierino, Oak Park, Ill., assignor to Di Cesare Offset Propeller Corporation, Chicago, Ill. Propeller blade. 2,295,454; Sept. 8.
Dickinson, Arthur H. (See Bryce, James W., and Dickinson.)
Dickinson, Joel W., Wilmette, Ill. Balanced semiautomatic transmitting key. 2,295,389; Sept. 8.
Dickten, Emil, Jr., Totowa, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 2,295,390; Sept. 8.
Dill Manufacturing Company, The. (See Robertson, Isaac W., assignor.)
Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control system. 2,295,455; Sept. 8.
Dirkes, Robert F. (See Clark, F. H., and Dirkes.)
Di Vette, Randolph E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature controlling mechanism. 2,295,100; Sept. 8.
Dockray, Thomas, Baltimore, Md. Resurfacing of metals. 2,295,204; Sept. 8.
Dow Chemical Company, The. (See Dreisbach, R. R., and Day, assignors.)
Dow Chemical Company, The. (See Britton, E. C., and Eisenman, assignors.)
Draemann, Max, Cologne, Germany, vested in The Alien Property Custodian. Process and apparatus for making sharp-edged threads, cords, ribbons or bands, profiled stripe and so forth from plastic masses, artificial and natural dispersions and emulsions. 2,294,894; Sept. 8.
Drapeau, Joseph E., Jr., Calumet City, Ill., and C. R. Rogers, Hammond, Ind., assignors to The Glidden Company, Cleveland, Ohio. Copper powder. 2,294,895; Sept. 8.
Dreisbach, Robert R., and J. Day, assignors to The Dow Chemical Company, Midland, Mich. Making vinyl-aromatic compounds. 2,295,077; Sept. 8.
Dreyfus, Camille, New York, N. Y. Screen. 2,294,966; Sept. 8.
Dunham, George S., Ardmore, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Separation apparatus. 2,295,101; Sept. 8.
Du Pont, E. I., de Nemours & Company. (See Bell, A. O., Vinal, and Hall, assignors.)
Du Pont, E. I., de Nemours & Company. (See Burrows, L. A., Gentry, and Lewis, Jr., assignors.)
Du Pont, E. I., de Nemours & Company. (See Dales, Benton, assignor.)
Du Pont, E. I., de Nemours & Company. (See Fagan, John T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Jennings, Andrew B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Reynolds, W. B., Rossander, and Kvalnes, assignors.)
Durdin, Augustus C., Jr., Chicago, Ill. Sewage treatment apparatus. 2,295,391; Sept. 8.
Eagle Signal Corporation. (See Anderson, C. L., and Freeberg, assignors.)
Eastman Kodak Company. (See Babcock, David L., assignor.)
Eastman Kodak Company. (See Brant, Joseph H., assignor.)
Eastman Kodak Company. (See Caldwell, John R., assignor.)
Eastman Kodak Company. (See Carroll, B. H., and Chechak, assignors.)
Eastman Kodak Company. (See Figg, L. J., and Shaulis, assignors.)
Eastman Kodak Company. (See Fordyce, Charles R., assignor.)
Eastman Kodak Company. (See Fordyce, C. R., Hunter, and Pieger, assignors.)
Eastman Kodak Company. (See Hanson, Wesley T., Jr., assignor.)
Eastman Kodak Company. (See Hasche, Rudolph L., assignor.)
Eastman Kodak Company. (See Hilborn, Edwin H., assignor.)
Eastman Kodak Company. (See McLellan, John S., assignor.)
Eastman Kodak Company. (See Morse, Richard S., assignor.)
Eastman Kodak Company. (See Porter, H. D., and Weissberger, assignors.)
Eastman Kodak Company. (See Riddell, William A., assignor.)
Eastman Kodak Company. (See Schinzel, Karl, assignor.)
Eaton, Malcolm W., assignor to Micro Switch Corporation, Freeport, Ill. Control apparatus. 2,295,456; Sept. 8.
Eberhard, Boyd C., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Valve. 2,295,457; Sept. 8.
Eberhard, Boyd C., Akron, Ohio, and S. T. Williams, Bellerose, N. Y., assignors to Wingfoot Corporation, Wilmington, Del. Valve. 2,295,392; Sept. 8.
Eberhardt, Daniel A., St. Louis, Mo. Adjustable rod joint. 2,294,967; Sept. 8.
Eby, Hugh H., Jenkintown, Pa., assignor, by mesne assignments, to Penn Electric Development Corp. Thermionic tube socket. 2,294,896; Sept. 8.
Edison General Electric Appliance Company. (See Sharp, John C., assignor.)
Edison General Electric Appliance Company. (See Stoddard, E. S., and Borman, assignors.)
Edwards, Baden J. (See Jones, W., and Edwards.)
Edwards, William H., Great Neck, N. Y., and A. Herckmans, Springfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,295,171; Sept. 8.
Edwards, William J., Wichita Falls, Tex. Tree uprooting device. 2,295,458; Sept. 8.
Eisenman, Joseph E. (See Britton, E. C., and Eisenman.)
Electric Household Utilities Corporation. (See Hurley, Edward N., Jr., assignor.)
Electric & Musical Industries Limited. (See Blumlein, Alan D., assignor.)
Electrical Engineers Equipment Co. (See Hoye, Peder B., assignor.)
Electrolux Corporation. (See Kandetzki, Albert W., assignor.)
Electrolux Corporation. (See Peterson, Gustav A., assignor.)
Ellis, George H., and F. Brown, Spondon, near Derby, England, assignors to Celanese Corporation of America. Dyestuffs and coloring. 2,294,968; Sept. 8.
Ellis, Greer, Cambridge, Mass., assignor to Magnaflux Corporation, Chicago, Ill. Determining strain concentration in rigid articles. 2,294,897; Sept. 8.
Elwell-Parker Electric Company, The. (See Cochran, Clyde E., assignor.)
Ely, James K., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburg, Pa. Making electrical contact members. 2,295,338; Sept. 8.
Enamel Products Co., The. (See Teague, Walter D., Jr., assignor.)
Engel, John B. (See Peacock, F. C., and Engel.)
Engvall, Karl A., and E. Glaslén, Goteborg, Sweden. Rotatable chip-cutting tool. 2,294,969; Sept. 8.
Ericson, Edward O., Cleveland Heights, Ohio. Explosion-proof lamp. 2,295,339; Sept. 8.
Erickson, Stephen E., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Flotation process. 2,295,459; Sept. 8.
Erny, Frank, Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Control mechanism. 2,295,172; Sept. 8.
Evans, Edward S. (See Schimkus, Kurt E., assignor.)
Exner, Donald W., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 2,295,393; Sept. 8.
Fagan, John T., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Crimping device. 2,295,033; Sept. 8.
Fagerström, Bengt, and K. W. A. Lundström, Goteborg, Sweden. Rolling mill with operating rolls and supporting rolls. 2,294,970; Sept. 8.
Farrar, Thomas F. (See Vilbrandt, F. C., Sieg, and Farrar.)
Farrel-Birmingham Company. (See Schnuck, Carl F., assignor.)
Farrel-Birmingham Company. (See Fraumann, F. W., and Kitchen, assignors.)
Fargow, Frederick R., Jr., Audubon, N. J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Phonograph trip mechanism. 2,295,460; Sept. 8.
Federwitz, Theodore A., Philadelphia, assignor to Stokes and Smith Company, Summerdale, Philadelphia, Pa. Apparatus for feeding and bending box blanks. 2,295,461; Sept. 8.
Fehringer, Charles E., East St. Louis, and C. L. Fehringer, Dupo, Ill. Fish lure. 2,294,971; Sept. 8.
Fehringer, Cletus L. (See Fehringer, Charles E. and C. L.)
Fetter, Norman C., assignor to Micro Switch Corporation, Freeport, Ill. Thermostat. 2,295,463; Sept. 8.
Fetterman, Donald M. (See Hoffmann, E. L., and Fetterman.)
Fidd, Joseph V. (See Bullock, E. W., and Fidd.)
Fiene, Marcus E., Caldwell, N. J., assignor to General Electric Company. Thermostat. 2,295,340; Sept. 8.
Figg, Louis J., Jr., and E. E. Shaulis, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Improving scrubbing mediums by means of aminophenol derivatives. 2,294,972; Sept. 8.
Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Pressing iron. 2,295,341; Sept. 8.
Fisher, Elizabeth, Providence, R. I. Lady's and girl's shadowproof slip. 2,295,498; Sept. 8.
Fisher, Richard J., Fresno, Calif. Advertising schedule device. 2,295,102; Sept. 8.
Flint, George W. (See Sharp, T. E., and Flint.)
Food Machinery Corporation. (See Thompson, Albert R., assignor.)
Ford, Curry E., Lakewood, Ohio, assignor to National Carbon Company, Inc. (Fluid treatment diffuser element. 2,294,973; Sept. 8.
Fordyce, Charles R., assignor to Eastman Kodak Company, Rochester, N. Y. Coating hopper. 2,295,280; Sept. 8.

Fordyce, Charles R., W. F. Hunter, and K. G. Pieger, assignors to Eastman Kodak Company, Rochester, N. Y. Coating apparatus. 2,295,394; Sept. 8.
Forman, Frank P., Long Island City, N. Y. Air cooling system. 2,295,462; Sept. 8.
Formhals, William H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Speed control of direct current motors. 2,295,395; Sept. 8.
Fourness, Charles A., Appleton, and E. H. Voigtman, Neenah, Wis., assignors to International Cellucotton Products Company, Chicago, Ill. Sanitary napkin. 2,294,898; Sept. 8.
Fourness, Charles A., Appleton, and E. H. Voigtman, Neenah, Wis., assignors to International Cellucotton Products Company, Chicago, Ill. Sanitary napkin. 2,294,899; Sept. 8.
Franck, Ernest, Malverne Park, N. Y. Switch receptacle. 2,295,499; Sept. 8.
Frank, Jacob. (See Butt. C. A., and Frank.)
Fraser, Edwin S., Tallahassee, Fla. Highway traffic barrier. 2,295,205; Sept. 8.
Fraumann, Fred W., and H. E. Kitchen, assignor to Farrel-Birmingham Company, Inc., Buffalo, N. Y. Testing instrument for toothed wheels. 2,295,206; Sept. 8.
Free, Vernon C. (See Riegel, B., Smith, Schweitzer, and Free.)
Freeberg, Ernest R. (See Anderson, C. L., and Freeberg.)
Freeman, Walter R., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Combined fluid motor and slack adjuster. 2,294,974; Sept. 8.
Friedly, Charles O., Lakewood, Ohio, assignor to Johns-Manville Corporation, New York, N. Y. Insulated structure. 2,295,103; Sept. 8.
Fuller, Leslie L., Goldfields, Saskatchewan, Canada. Gum massage appliance. 2,294,900; Sept. 8.
Fulton Sylphon Company, The. (See Puster, Louis M., assignor.)
Gabalis, Julius J., Philadelphia, and A. F. Schwendner, Ridley Park, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Auxiliary pump regulator. 2,294,975; Sept. 8.
Gabrilovitch, Leonide, Paris, France. Selection of waves having superposed frequencies. 2,295,207; Sept. 8.
Garbaty, Maurice, Larchmont, N. Y. Package attachment. 2,295,464; Sept. 8.
Garbaty, Maurice, Larchmont, N. Y. Attachment for holding and stiffening merchandise packages. 2,295,465; Sept. 8.
Gardiner, Clarence V., Birmingham, Mich., assignor to Wagner Electric Corporation, St. Louis, Mo. Master cylinder. 2,294,976; Sept. 8.
Garfield, Frederick M., St. Louis, Mo., assignor to Western Cartridge Company, East Alton, Ill. Manufacture of normal lead trinitroresorcinate and double salts thereof. 2,295,104; Sept. 8.
Garrard Engineering & Manufacturing Company, Limited. (See Offen, Francis J., assignor.)
Garrison, James N., Cleveland Heights, and J. H. Henzel, Garfield Heights, Ohio. Heater. 2,294,977; Sept. 8.
Gatke, Thomas L. (See Payne, F. E., and Gatke.)
Geiger, Walter J., Cleveland Heights, and R. J. Ayres, University Heights, Ohio, assignors to General Electric Company. Tipping-off apparatus. 2,295,034; Sept. 8.
Geiselman, Ralph A., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulator. 2,295,397; Sept. 8.
General Aniline & Film Corporation. (See Wilmanns, G., and Riester, assignors.)
General Electric Company. (See Adkins, Bernard, assignor.)
General Electric Company. (See Allen, Edwin, J., assignor.)
General Electric Company. (See Bennett, Ralph C., assignor.)
General Electric Company. (See Clark, Edward B., assignor.)
General Electric Company. (See Clymer, Charles C., assignor.)
General Electric Company. (See Davis, Paul B., assignor.)
General Electric Company. (See Fiene, Marcus E., assignor.)
General Electric Company. (See Finlayson, Frank E., assignor.)
General Electric Company. (See Geiger, W. J., and Ayres, assignors.)
General Electric Company. (See Hermann, Benjamin R., assignor.)
General Electric Company. (See Jenkins, H. G., and Ryde, assignors.
General Electric Company, The. (See Kaula, Rudolph J., assignor.)
General Electric Company. (See Leach, Edward A., assignor.)
General Electric Company. (See Lincks, George F., assignor.)
General Electric Company. (See Lompe, A., and Reger, assignors.)
General Electric Company. (See McNairy, J. W., and Moore, assignors.)
General Electric Company. (See Noel, Edward B., assignor.)
General Electric Company. (See Piercy, C. A., and Guarnier, assignors.)
General Electric Company. (See Rogers, George L., assignor.)
General Electric Company. (See St. Palley, Zoltan O., assignor.)
General Electric Company. (See Schneider, Elbert D., assignor.)
General Electric Company. (See Summers, Claude M., assignor.)
General Electric Company. (See Thumim, Carl, assignor.)
General Electric Company. (See Towne, Harold M., assignor.)
General Engineering & Mfg Co. (See Schreiber, J. H., and Dean, assignors.)
General Motors Corporation. (See Bluemle, Arnold A., assignor.)
General Motors Corporation. (See Kaufman, Daniel L., assignor.)
General Radio Company. (See Tuttle, William N., assignor.)
General Railway Signal Company. (See Judge, T. J., and Pearce, assignors.)
Geneva Processes, Inc. (See McLean, William A., assignor.)
Gentry, Roger W. H. (See Burrows, L. A., Gentry, and Lewis, Jr.)
George, Roscoe H., West Lafayette, Ind., assignor to Radio Corporation of America. Electronic device. 2,295,396; Sept. 8.
Gilbert, George R., and A. A. Peer, Baytown, Tex., assignors to Standard Oil Development Company. Preparing lubricating oil dyes. 2,295,035; Sept. 8.
Gilg, Louis J., assignor to The Journal Company, Milwaukee, Wis. Rotary saw apparatus. 2,294,978; Sept. 8.
Ginzton, Edward L. (See Varian, R. H., Hansen, and Ginzton.)
Glaslén, Erik. (See Engavall, K. A., and Glaslén.)
Gleason Works. (See Bullock, E. W., and Fidd, assignors.)
Gleason Works. (See Witham, Winfred A., assignor.)
Glidden Company, The. (See Drapeau, J. E., Jr., and Rogers, assignors.)
Gloss, Gunter H., Belmont, and R. E. Clarke, Palo Alto, assignors to Marine Magnesium Products Corporation, South San Francisco, Calif. Manufacture of magnesium metal. 2,295,105; Sept. 1.
Goetz, F. W., et al. (See Zenge, Harry H. and W. J. C., assignors.)
Goldberg, Max, assignor to National Soda Straw Company, Chicago, Ill. Dispensing means. 2,294,979; Sept. 8.
Goodrich, B. F., Company, The. (See Cooney, J. M., and Collier, assignors.)
Goodwin, Edwin W. (See Gudger, M. S., and Goodwin.)
Gorcica, Henry J., and H. Levine, Milwaukee, Wis., assignors to Pabst Brewing Company, Chicago, Ill. Vitamin B_1 assimilation by yeast. 2,295,036; Sept. 8.
Gorsuch, John H. (See Seewald, Philip W., assignor.)
Gowen, Betty W., administratrix. (See Gowen, Paul R.)
Gowen, Paul R., deceased; B. W. Gowen, Twin Falls, Idaho, administratrix. Fuel consumption indicator. 2,294,901; Sept. 8.
Grace, William E., and H. Strain, Dallas, Tex. Apparatus for heating bituminous materials. 2,295,106; Sept. 8.
Graf, Andrew J., Norwood, and W. T. Septant, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Infeeding mechanism for grinding machines. 2,295,342; Sept. 8.
Gram, Carl F., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Apparatus for treating yarn. 2,294,902; Sept. 8.
Gray Manufacturing Company, The. (See Clausen, Henry P., assignor.)
Green, Clarence C., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Automatic press stop. 2,295,078; Sept. 8.
Griffin, Robert O., Berkeley, Calif. Selective filing and finding system. 2,294,903; Sept. 8.
Griscom, Samuel B., Wilkinsburg, assignor to Westinghouse Electric Manufacturing Company, East Pittsburgh, Pa. Electrical protective device. 2,295,398; Sept. 8.
Groene, William F., and G. W. Luning, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Feed and rapid traverse mechanism. 2,295,079; Sept. 8.
Grove, Marvin H., Berkeley, Calif. Pressure regulator. 2,295,208; Sept. 8.
Gruner, William P. (See Kleucker, George M., assignor.)
Grunwald, Albert C., River Forest, assignor to Precision Metal Workers, Chicago, Ill. Base structure. 2,295,281; Sept. 8.
Grunwald, Albert C. (See Birr, R. G., and Grunwald.)
Grupe, William F., Lyndhurst, N. J., assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y. Printing press and printing therewith. 2,295,080; Sept. 8.
Guardian Electric Manufacturing Co. (See Obszarny, Thedore, assignor.)
Guardite Corporation, The. (See Atwood, Wilfrid L., assignor.)
Guarnier, Maurice. (See Piercy, C. A., and Guarnier.)

Gudger, Morris S., New York, and E. W. Goodwin, New Rochelle, assignors to R. Hoe & Co., Inc., New York, N. Y. Sheet registering mechanism for printing machines. 2,294,980; Sept. 8.

Gulles, Paul A., and B. R. Vaughan, San Francisco, Calif. Fuel for internal combustion engines. 2,295,209; Sept. 8.

Gulf Research & Development Company. (See Topanelian, Edward, Jr., assignor.)

Gundelfinger, Alan M., assignor to Cinecolor, Inc., Burbank, Calif.. Making colored photographs. 2,295,107; Sept. 8.

Gutensohn, Charles V., assignor to Sherman Haynes, San Diego, Calif. Illuminated platen. 2,295,210; Sept. 8.

Guth, Charles P. (See Neely, J. B., and Guth.)

Hass, Earle C. (See Townsend, Guy W., assignor.)

Haas, William. (See Shepard, R. H., Haas, and Schwartz.)

Hafele, Joseph, Zurich, Switzerland. Bolt and nut connection. 2,295,466; Sept. 8.

Haley, John W., Bristol, assignor to Perfection Sales Corporation of New England, Cranston, R. I. Advertising device. 2,295,467; Sept. 8.

Haley, John W., Bristol, assignor to Perfection Sales Corporation of New England, Cranston, R. I. Tap handle. 2,295,468; Sept. 8.

Hall, Carlos and F., assignors of twenty-five per cent to H. H. Hallatt, and twenty-five per cent to O. A. Chabrand, Mexico City, Mexico. Automatic machine for stringing washers and the like. 2,295,469; Sept. 8.

Hall, Fernando. (See Hall, Carlos and F.)

Hall, Guy H. (See Moore, W. J., Winger, and Loehr, assignors.)

Hall, John L., Charleston, W. Va., assignor of one-half to Danciger Oil and Refineries, Inc., Tulsa, Okla. Selectively recovering desirable constituents of natural gas. 2,295,211; Sept. 8.

Hall, William J., assignor to Herron-Zimmers Moulding Company, Detroit, Mich. Power bender. 2,295,108; Sept. 8.

Hall, William P.-G. (See Bell, A. O., Vinal, and Hall.)

Hallatt, Harry H., et al. (See Hall, Carlos and F., assignors.)

Hamel, Conrad J., Woonsocket, R. I. Shoe. 2,295,212; Sept. 8.

Hamilton, John W., San Francisco, Calif. Valve. 2,295,109; Sept. 8.

Hammond Instrument Company. (See Hanert, John M., assignor.)

Hanert, John M., Wilmette, Ill., assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,295,524; Sept. 8.

Hanna, Clinton R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Sheet thickness regulator for continuous mills. 2,295,399; Sept. 8.

Hanna, Raymond P., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Trolley device. 2,295,400; Sept. 8.

Hansel, Carl W., Bedford, England. Optical projection apparatus. 2,295,470; Sept. 8.

Hansen, Elmer K., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Belt-tension control device. 2,295,401; Sept. 8.

Hansen, William W. (See Varian, R. H., Hansen, and Ginzton.)

Hanson, Wesley T., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Color correction. 2,294,981; Sept. 8.

Harkleroad, Carl H., La Mesa, Calif. Cigarette carton and match package. 2,295,110; Sept. 8.

Harris, Melvin J. (See Bucknam, J. H., Harris, and Miller.)

Harris-Seybold-Potter Company. (See Wood, William H., assignor.)

Harris, Warren B. (See Owen, Audrey M., assignor.)

Hartford National Bank and Trust Company, trustee. (See Jonas, Gottfried B., assignor.)

Harvath, Albert S., Lansing, Mich. Diesel engine injector. 2,295,081; Sept. 8.

Harvey, Leo M. (See King, James T., assignor.)

Hasche, Rudolph L., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Producing and distilling aliphatic acids. 2,294,984; Sept. 8.

Hathaway, Everett G., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shank stiffener. 2,294,982; Sept. 8.

Havenhill, Robert S., and H. C. O'Brien, Beaver, Pa., assignors to St. Joseph Lead Company, New York, N. Y. Control device. 2,295,471; Sept. 8.

Haynes, Sherman. (See Gutensohn, Charles V., assignor.)

Hazeltine Corporation. (See Hergenrother, Rudolf C., assignor.)

Hazeltine Corporation. (See Wilson, John C., assignor.)

Hedges, Harry O., Seattle, Wash. Internal combustion engine. 2,295,037; Sept. 8.

Heetkamp, Heinrich, Buderich, near Dusseldorf, Germany, Vested in the Alien Property Custodian. Mandrel guide in push benches. 2,295,500; Sept. 8.

Hemmings, John, assignor to S. Smith & Sons (Motor Accessories) Limited, Cricklewood, London, England. Manufacture of tubular valve members. 2,295,111; Sept. 8.

Hensel, John H. (See Garrison, J. N., and Henzel.)

Herckmans, Alfred. (See Edwards, W. H., and Herckmans,)

Hergenrother, Rudolf C., Beechurst, N. Y., assignor to Hazeltine Corporation. Cathode-ray tube. 2,295,038; Sept. 8.

Hermann, Benjamin R., Lanesborough, Mass., assignor to General Electric Company. Electric cutout. 2,295,343; Sept. 8.

Herron-Zimmers Moulding Company. (See Hall, William J., assignor.)

Hertl, Robert, Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Steam turbine apparatus. 2,294,983; Sept. 8.

Hewitt, Elmert S., Niles Center, Ill. Electric drier. 2,294,904; Sept. 8.

Hilborn, Edwin H., assignor to Eastman Kodak Company, Rochester, N. Y. Preventing abrasion of plastic sheeting. 2,294,985; Sept. 8.

Hildebrand, Henry W., Maricopa County, Ariz. Solar bath cabinet. 2,295,402; Sept. 8.

Hilkemeier, Louis G. (See Ball, C. F., and Hilkemeier.)

Hillier, James, Collingswood, N. J., assignor to Radio Corporation of America. Apertured electron lens and alignment. 2,295,403; Sept. 8.

Hoag, Roderick W., assignor to Harlow M. Russell and Melvin H. Sidebotham, copartners doing business as Russell & Sidebotham, Melrose, Mass. Folding box. 2,295,515; Sept. 8.

Hodson, Frank, Elmhurst, C. Yu Wang, New York, and Peter Hodson, Elmhurst, assignors to American Ore Reduction Corporation, New York, N. Y. Reducing ores. 2,295,039; Sept. 8.

Hodson, Peter. (See Hodson, F., Yu Wang, and Hodson.)

Hoe, R., & Co. (See Gudger, M. S., and Goodwin, assignor.)

Hoehn, W. Leroy, et al. (See Sandbo, Clarence I., assignor.)

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Head traverse mechanism for radial drills. 2,295,516; Sept. 8.

Hoffmann, Elmer L., and D. L. Fetterman, assignors to Sonora Radio & Television Corp., Chicago, Ill. Stepwise tuning of electrical circuits. 2,295,173; Sept. 8.

Holloman, George V., C. L. Paulus, and R. K. Stout, Dayton, Ohio. Locking device for rudder control systems. 2,294,906; Sept. 8.

Hollstein, Paul, Carlstadt, and G. Jack, Rochelle Park, N. J., assignors to J. M. Lehmann Co., Inc., New York, N. Y. Grinding mill. 2,295,473; Sept. 8.

Holmstrom, Carl R., assignor to Kenworth Motor Truck Corporation, Seattle, Wash. Dual-drive tandem rear-axle vehicle. 2,295,213; Sept. 8.

Honaman, Richard K., Glen Ridge, D. T. Osgood, Jackson Heights, and K. H. Perkins, Valley Stream, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power line telephone system. 2,294,905; Sept. 8.

Hopkins, Arthur C., assignor to Artomatic Machinery Corp., Tupper Lake, N. Y. Road sanding apparatus. 2,295,472; Sept. 8.

Horn, Charles J., Chicago, Ill. Heating-furnace work-carrying skid. 2,295,474; Sept. 8.

Hornung, Emil E., Jacksonville, Fla. Grinder and slicer. 2,295,174; Sept. 8.

House, Charles M. (See Shoemaker, R. J., and House.)

Hovland, Henry, Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,294,907; Sept. 8.

Hoye, Peder B., Maywood, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Switch construction. 2,295,175; Sept. 8.

Hunter, Walker F. (See Fordyce, C. R., Hunter, and Pleger.)

Hurley, Edward N., Jr., Wheaton, assignor to Electric Household Utilities Corporation, Chicago, Ill. Ironing machine. 2,295,112; Sept. 8.

Hurxthal, Alpheus O., Wyncote, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Hat drier. 2,295,475; Sept. 8.

Hussey, Luther W., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave system. 2,294,908; Sept. 8.

Hydraulic Brake Company. (See Loweke, Erwin F., assignor.)

Hydraulic Brake Company. (See Miller, Raymond J., assignor.)

Hynek, Thomas E., Chico, Calif. Flag holder. 2,294,986; Sept. 8.

Ibison, Austin, New Brighton, England. Apparatus for separating suspended matter from liquids by means of electrostatic precipitation. 2,295,476; Sept. 8.

Illinois Tool Works. (See Poupitch, Ougljesa J., assignor.)

Interchange Neon Sign Company. (See Starnes, James R., assignor.)

Interchemical Corporation. (See Grupe, William F., assignor.)

International Agricultural Corporation. (See Butt, C. A., and Frank, assignors.)

International Business Machines Corporation. (See Bryce, J. W., and Dickinson, assignors.)

International Cellucotton Products Company. (See Fourness, C. A., and Volgtman, assignors.)

International Cellucotton Products Company. (See Volgtman, Edward H., assignor.)

International Nickel Company of Canada, Limited, The, et al. (See Aldrich, Charles H., assignor.)

International Standard Electric Corporation. (See Beatty, W. A., and Chatterjea, assignors.)

International Standard Electric Corporation. (See Bowsher, Edward A. H., assignor.)

International Standard Electric Corporation. (See Deakin, Gerald, assignor.)

International Standard Electric Corporation. (See Smyth, Charles N., assignor.)

International Telephone & Radio Manufacturing Corporation. (See Alford, Andrew, assignor.)

Jack, George. (See Hollstein, P., and Jack.)

Jackson, Charles, Baltimore, Md. Theft preventing device. 2,295,214; Sept. 8.

Jackson, Clarence S., assignor to Peters Bros. Rubber Co., Inc., Brooklyn, N. Y. Device for dispensing tape. 2,295,477; Sept. 8.

Jacoby, Benjamin, assignor to The Marion Steam Shovel Company, Marion, Ohio. Friction clutch. 2,295,344; Sept. 8.

Jaeger Machine Company, The. (See Millikin, A. S., and Pickard, assignors.)

Jason, William E., Jr., Atherton, Calif. Cake container. 2,295,478; Sept. 8.

Jeffries, LeRoy J., assignor to C. G. Conn Ltd., Elkhart, Ind. Drum snares. 2,295,479; Sept. 8.

Jenkins, Henry G., Pinner, and J. W. Ryde, London, England, assignors to General Electric Company. Combination of sources of radiation with luminescent materials. 2,295,040; Sept. 8.

Jennings, Andrew B., New Brunswick, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process and composition. 2,294,909; Sept. 8.

Jensen Radio Manufacturing Company. (See Knowles, Hugh S., assignor.)

Jensen-Salsbery Laboratories, Inc. (See Austin, James A., assignor.)

Jerman, John R., Glendale, assignor to Vultee Aircraft, Inc., Downey, Calif. Airplane cockpit enclosure. 2,295,345; Sept. 8.

Joachim, Herman L., Los Angeles, Calif., assignor to Mani Agricultural Company, Ltd. Alpha cellulose pulp. 2,295,215; Sept. 8.

Johns, Francis J., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dynamoelectric machine. 2,295,404; Sept. 8.

Johns-Manville Corporation. (See Brown, G. B., and Ayers, assignors.)

Johns-Manville Corporation. (See Christenson, George, assignor.)

Johns-Manville Corporation. (See Friedly, Charles O., assignor.)

Johnson, Floyd D., Forest Hills, and A. L. Cumming, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric switchgear. 2,295,405; Sept. 8.

Johnson, Frank E., Malden, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Nut device. 2,295,480; Sept. 8.

Johnson, George E., assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Combined tie plate and rail anchor holder. 2,294,987; Sept. 8.

Johnson, John B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling and communication system. 2,294,910; Sept. 8.

Johnson, Lawrence R. (See Rupp, W. C., Kuttler, and Johnson.)

Jolly, Samuel E., Prospect Park, assignor to Sun Oil Company, Philadelphia, Pa. Carbocyclic nitriles and their production. 2,295,406; Sept. 8.

Jonas, Gottfried B., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Permanent magnet and making the same. 2,295,082; Sept. 8.

Jonassen, Jonas, Garden City, assignor to Spring Products Corporation, New York, N. Y. Hinge and latch mechanism for sofa beds. 2,295,083; Sept. 8.

Jones, David A., Webster Groves, Mo. Oil burner. 2,295,501; Sept. 8.

Jones, William, and B. J. Edwards, assignors to Pye Limited, Cambridge, England. Television and like system. 2,295,346; Sept. 8.

Jordan, Wayne D., Chicago, and P. D. Van Vliet, Galesburg, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Refrigerator. 2,295,113; Sept. 8.

Journal Company, The. (See Gilg, Louis J., assignor.)

Joy, Anna P. (See Joy, Samuel S., assignor.)

Joy, Joseph F., Franklin, Pa., assignor to Sullivan Machinery Company. Material handling apparatus. 2,294,911; Sept. 8.

Joy, Samuel S., assignor to A. P. Joy, Washington, D. C. Building construction. 2,295,216; Sept. 8.

Judd, H. L., Company. (See Toelle, Walter H., assignor.)

Judge, Thomas J., and H. J. Pearce, assignors to General Railway Signal Company, Rochester, N. Y. Flashing system for indicating lamps. 2,295,217; Sept. 8.

Junghans, Siegfried, Stuttgart, Germany, assignor to I. Rossi, New York, N. Y. Device for casting endless metal castings. 2,295,041; Sept. 8.

Jurcak, Andrew J., Houtzdale, Pa. Confessional. 2,294,912; Sept. 8.

Jurs, Albert E., Piedmont, Calif Liquid indicator apparatus. 2,295,218; Sept. 8.

Kalling, Bo M. S., Djursholm, and P. G. L. Brannstrom, Skelleftehamn, Sweden. Treating metallurgical slags. 2,295,219; Sept. 8.

Kamlet, Jonas, Brooklyn, N. Y., assignor to Merck & Co., Inc., Rahway, N. J. Preparation of water-soluble derivatives of 2-sulphanilylamidopyridine. 2,295,481; Sept. 8.

Kandetzki, Albert W., Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y. Vacuum cleaner. 2,295,407; Sept. 8.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Beverage mixing machine. 2,295,114; Sept. 8.

Kaplan Musical String Co. (See Kaplan, Stanley, assignor.)

Kaplan, Stanley, assignor to Kaplan Musical String Co., Norwalk, Conn. Packaging musical instrument strings. 2,295,260; Sept. 8.

Karst, Alfred F., et al. (See Altheimer, Ben, assignor.)

Kaufman, Daniel L., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,294,988; Sept. 8.

Kaufman, Herman P., U. S. Army, Washington, D. C., and D. L. Parkhurst, Springfield, Mass. Bore sight. 2,294,913; Sept. 8.

Kaula, Rudolph J., Edgbaston, Birmingham, assignor to The General Electric Company Limited, London, England. Press for molding plastic material. 2,295,220; Sept. 8.

Kautzman, Frank. (See Peak, J. A. B., and Kautzman.)

Keehn, Warner L., Spokane, Wash. Trailer truck. 2,295,084; Sept. 8.

Keehn, Warner L., Spokane, Wash. Land vehicle. 2,295,085; Sept. 8.

Keely, Clifford D., Bloomfield, N. J. Telephone attachment. 2,294,989; Sept. 8.

Kelper, Frank. (See Amico, Joseph, assignor.)

Kelser, Bernhard. (See De Groote, M., and Kelser.)

Keller, Elizabeth B., administratrix. (See Keller, Jay H.)

Keller, Jay H., Portland, Oreg., deceased; E. B. Keller, administratrix. Retractable water heater. 2,295,115; Sept. 8.

Kelley, Oss N., Portsmouth, Va. Field toilet kit. 2,295,347; Sept. 8.

Kellogg, Helen L. (See Kellogg, John L., Jr.)

Kellogg, John L., Jr., deceased, Chicago, by M. M. Kellogg, Wilmette, administratrix, assignor, by mesne assignments, to H. L. Kellogg, Chicago, Ill. Production of a cooked and puffed rice product. 2,295,116; Sept. 8.

Kellogg, Mary M., administratrix. (See Kellogg, John L., Jr.)

Kelly, Joseph J., Midland, Tex., assignor of forty percent to R. T. Kelly, Carpinteria, Calif. Vehicle signal light. 2,295,176; Sept. 8.

Kelly, Raymond T. (See Kelly, Joseph J., assignor.)

Kemp, Charles, New York, N. Y. Burglar alarm lock. 2,295,482; Sept. 8.

Kenworth Motor Truck Corporation. (See Holmstrom, Carl R., assignor.)

Kern, Sylvester J. (See McCaffrey, J. P., and Kern.)

Kerr, Paul W., assignor to Henry Weis Manufacturing Company, Inc., Elkhart, Ind. Shower bath cabinet. 2,294,914; Sept. 8.

Kilborn-Sauer Company, The. (See Sauer, Henry J., assignor.)

King, Frank J., Seattle, Wash. Electrically heated lunch kit. (2,295,221; Sept. 8.

King, James T., assignor to L. M. Harvey, Los Angeles, Calif. Preheater for aircraft. 2,295,177; Sept. 8.

Kissel, B. M. (See Kissel, William L., assignor.)

Kissel Industries. (See Kissel, William L.)

Kissel, William L., assignor to B. M. Kissel, Hartford, Wis., doing business as Kissel Industries. Outboard motor. 2,295,086; Sept. 8.

Kitchen, Harry E. (See Fraumann, F. W., and Kitchen.)

Klein, George S. (See Spoon, Walter O., assignor.)

Kleuker, George M., assignor, by mesne assignments, to W. P. Gruner, St. Louis, Mo. Fluid cooling apparatus and method. 2,295,087; Sept. 8.

Kleucker, George M., assignor, by mesne assignments, to W. P. Gruner, St. Louis, Mo. Distributing liquid refrigerants. 2,295,088; Sept. 8.

Knight, Chesterton S., assignor to Geo. Knight & Co., Brockton, Mass. Cutting die for ornamenting parts of shoe uppers. 2,295,089; Sept. 8.

Knight, Chesterton S., assignor to Geo. Knight & Co., Brockton, Mass. Method of and apparatus for trimming of rubber heels. 2,295,090; Sept. 8.

Knight, Geo., & Co. (See Knight, Chesterton S., assignor.)

Knowles, Hugh S., assignor to Jensen Radio Manufacturing Company, Chicago, Ill. Loudspeaker. 2,295,483; Sept. 8.

Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Low frequency tuning system. 2,295,408; Sept. 8.

Koester, John S., Lemay, Mo. Rotary engine. 2,295,117; Sept. 8.

Kolias, Christ E., Chicago, Ill. Automobile theft indicator. 2,295,178; Sept. 8.

Kollsman, Paul, New York, N. Y., assignor, by mesne assignments, to Square D Company, Detroit, Mich. Directional instrument. 2,294,990; Sept. 8.

Kommer, William V., Catawissa, Mo. Combination razor strop holder and heater. 2,294,991; Sept. 8.

Kraft Cheese Company. (See Kratz, Edouard M., assignor.)

Kratz, Edouard M., Ogden Dunes, Ind., assignor to Kraft Cheese Company, Chicago, Ill. Sheetmaking apparatus. 2,294,915; Sept. 8.

Kreh, Edward J., Jr., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Commutator. 2,295,409; Sept. 8.

Krentler, Gilbert W., Lexington, assignor to Dean & Sherk Company, Inc., Lawrenceburg, Ky. Spool for industrial thread. 2,295,222; Sept. 8.

Kretser, Raymond, New York, N. Y. Making knitted fabrics. 2,294,916; Sept. 8.

Kretser, Raymond, New York, N. Y. Knitting apparatus. 2,294,917; Sept. 8.

Kreuzer, Barton, Los Angeles, Calif., assignor to Radio Corporation of America. Sound recording amplifier circuits. 2,295,410; Sept. 8.

Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Push-push operating mechanism for electric switches. 2,295,484; Sept. 8.

Kuttler, Leonard W., Jr. (See Blythe, F. H., and Kuttler, Jr.)

Kuttler, Leonard W., Jr. (See Rupp, W. C., Kuttler, and Johnson.)

Kvalnes, Donovan E. (See Reynolds, W. B., Rossander, and Kvalnes.)

Lamb, Edward, San Francisco, Calif. Heater. 2,295,502; Sept. 8.

Lamb, Harold T., Newcastle-on-Tyne, England. Dustproof switch. 2,295,261; Sept. 8.

Lamb, Harold T., Newcastle-on-Tyne, England. Portable electric drill. 2,295,262; Sept. 8.

Landis, Daniel O., Upper Darby, Pa., assignor to Radio Corporation of America. Sound film printing. 2,295,411; Sept. 8.

Landrock, Paul, and A. W. Caps, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I. Photocopying apparatus. 2,294,992; Sept. 8.

Lavin, John M., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Headframe for scaffolding. 2,294,993; Sept. 8.

Lawrence Copper and Bronze Company. (See Zippler, Francis J., assignor.)

Leach, Edward A., Schenectady, N. Y., assignor to General Electric Company. Circuit controlling apparatus. 2,295,348; Sept. 8.

Lear, Charles M. (See Beck, E. F. W., and Lear.)

Le Bleu, Charles, Los Angeles, Calif. Signal device for vehicles. 2,295,263; Sept. 8.

Le Bleu, Charles, Los Angeles, Calif. Trail builder and bulldozer. 2,295,264; Sept. 8.

Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Luning, assignors.)

Lebus, William A., assignor to Protectoseal Company of America, Inc., Chicago, Ill. Vent valve. 2,295,486; Sept. 8.

Le Clair, Camille C. S., Ealing, London, assignor to Tecalemit Limited, Brentford, Middlesex, England. Electrical indicating apparatus. 2,295,118; Sept. 8.

Le Clercq, Raymond G., assignor to Pacific Hard Rubber Company, Los Angeles, Calif. Nonflood cover for storage battery cells. 2,295,223; Sept. 8.

Lehmann, J. M., Co. (See Hollstein, P., and Jack, assignors.)

Leland Stanford Junior University, The Board of Trustees of The. (See Varian, R. H., Hansen, and Ginzton, assignors.)

Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Two-rate instrument. 2,295,349; Sept. 8.

Leone, Otto J., West Newton, Pa., assignor to The Bristol Company, Waterbury, Conn. Differential fluid meter. 2,295,485; Sept. 8.

Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Brake structure. 2,295,224; Sept. 8.

Levine, Harold. (See Gorcica, H. J., and Levine.)

Levy, René L., Montrouge, France, assignor to Société d'Inventions Aeronautiques et Mecaniques S. I. A. M., Fribourg (Swisse). Retractable undercarriage for airplanes and the like. 2,294,918; Sept. 8.

Lewis, Davis L., Jr. (See Burrows, L. A., Gentry, and Lewis, Jr.)

Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Protective device. 2,295,350; Sept. 8.

Linde Air Products Company, The. (See Bucknam, J. H., Harris, and Miller, assignors.)

Linde Air Products Company, The. (See Shorter, Albert E., assignor.)

Line Material Company. (See Schultz, W. D., and Steinmayer, assignors.)

Liquid Carbonic Corporation. (See Jordan, W. D., and Van Vliet, assignors.)

Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)

Lister, R. A., & Company Limited. (See Maw, Wilfred G., assignor.)

Little, Donald G., Baltimore, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Radio direction finder. 2,295,412; Sept. 8.

Llewellyn, Robert L., Cheney, Wash. Fish plug. 2,295,042; Sept. 8.

Losne, Clarence M., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Lubricating composition and modified addition agent therefor. 2,295,179; Sept. 8.

Loehr, Leslie K. (See Moore, W. J., Winger, and Loehr.)

Lohr, Raymond J., and R. N. Carver, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Machine gun and target toy. 2,295,225; Sept. 8.

Lompe, Arved, Berlin, and M. Reger, Berlin-Charlottenburg, Germany, assignors to General Electric Company. Electric discharge lamp. 2,295,043; Sept. 8.

Long, Carleton C., Beaver, Pa., assignor to St. Joseph Lead Company, New York, N. Y. Condensation of metallic vapors. 2,295,226; Sept. 8.

Longenecker, Charles I. (See Ball, C. F., and Longenecker.)

Lord Manufacturing Company. (See Yates, Tom L., assignor.)

Lorr Laboratories. (See Radtke, C., and Bellman, assignors.)

Los Angeles Spring Bed Company. (See Moeller, William A., assignor.)

Lowcke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure braking system. 2,295,487; Sept. 8.

Luck, David G. C., Haddon Heights, N. J., assignor to Radio Corporation of America. Modulating system. 2,295,351; Sept. 8.

Lunas, Lawrence J., Cedar Grove, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. D'arsonval mechanism construction. 2,295,413; Sept. 8.

Lundström, Knut W. A. (See Fagerström, B., and Lundström.)

Luning, George W. (See Groene, W. F., and Luning.)

Lunsford, Jesse B., Washington, D. C. Insulated electric cable and the like. 2,294,919; Sept. 8.

Lykken, Henry G., Minneapolis, Minn. Pulverizing machine. 2,294,920; Sept. 8.

Lykken, Henry G., Minneapolis, Minn. Mechanism for delivering pulverized material. 2,294,921; Sept. 8.

MacDonald, James E., assignor to McFeeley Brick Company, Latrobe, Pa. Wall structure. 2,295,352; Sept. 8.

Mack, Edward L., New York, N. Y. Fastener. 2,295,488; Sept. 8.

Mackett, Frank J., Jr., Berwyn, Ill., assignor to Crane Co., Chicago, Ill. Casting metals. 2,295,227; Sept. 8.

Madison, Jacob, Clifton, N. J. Plumbing construction. 2,295,416; Sept. 8.

Magnaflux Corporation. (See Ellis, Greer, assignor.)

Malcom, Robert, Chicago, Ill., and W. A. Whipple, Camp Lake, Wis.; said Whipple assignor to said Malcom. Respirator. 2,295,119; Sept. 8.

Mall, Arthur W., Flossmoor, Ill. Resilient mounting for abrasive wheels. 2,295,282; Sept. 8.

Mall, Arthur W., Flossmoor, Ill. Rotor for vibrating devices. 2,295,283; Sept. 8.

Malluk, Assad M., New York, N. Y. Closure cap. 2,294,922; Sept. 8.

Malsbary, Job F., and W. W. Taylor, Oakland, Calif. Cleaning machine. 2,295,228; Sept. 8.

Manning, Maxwell & Moore, Inc. (See Mitchell, George A., assignor.)

Marchant Calculating Machine Company. (See Avery, Harold T., assignor.)

Marine Magnesium Products Corporation. (See Gloss, G. H., and Clarke, assignors.)

Marion Steel Shovel Company, The. (See Jacoby, Benjamin, assignor.)

Martin, John H. (See Brown, H., and Martin.)

Martinson, Edwin O. (See Davis, A. H., Jr., and Martinson.)

Marx, Louis & Company, Inc. (See Lohr, R. J., and Carver, assignors.)

Mason, Arthur H. (See Wells, W. O., Jr., and Mason.)

Massonneau, Robert F., Scarsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric clock system. 2,294,923; Sept. 8.

Master Electric Company, The. (See Darnell, Victor L., assignor.)

Mattox, William J. (See Benedict, W. L., and Mattox.)

Maui Agricultural Company. (See Joachim, Herman L., assignor.)

Maw, Wilfred G., assignor to R. A. Lister & Company Limited, Dursley, England. Compression ignition engine. 2,295,120; Sept. 8.

Maze, William V., assignor to C. E. Miller Manufacturing Corporation, Anderson, Ind. Fluid drive for motorcycles. 2,294,994; Sept. 8.

McCaffrey, Joseph P., Carnegie, and S. J. Kern, Dormont, Pa. Tandem rolling mill. 2,295,284; Sept. 8.

McCann, Gilbert D., Jr. (See Wagner, C. F., and McCann.)

McCarty, Lourdes V., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Valve. 2,295,044; Sept. 8.

McCormick, Clarence J., Oakland, Calif. Lock. 2,295,417; Sept. 8.

McFeely Brick Company. (See MacDonald, James E., assignor.)

McGuire, John S., Kansas City, Kans. Apparatus for contouring the ends of tubular stock. 2,295,229; Sept. 8.

McLean, William A., assignor to Geneva Processes, Inc., Geneva, N. Y. Colloidal mill. 2,295,121; Sept. 8.

McLellan, John S., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of synthetic yarns. 2,294,995; Sept. 8.

McNairy, Jacob W., Erie, and H. G. Moore, Wesleyville, Pa., assignors to General Electric Company. Control system. 2,295,285; Sept. 8.

Mercier, Harvey O., East Orange, N. J., assignor to National Biscuit Company, New York, N. Y. Automatic band control and signal for ovens. 2,294,996; Sept. 8.

Merck & Co. (See Kamlet, Jonas, assignor.)

Merrell, Wm. S., Company, The. (See Shelton, Robert S., assignor.)

Merrion, Earl P., Lake Wales, Fla. Tool carrier for gloves. 2,294,997; Sept. 8.

Mettler, Hal C., Los Angeles, Calif. Safety pilot for furnaces. 2,295,045; Sept. 8.

Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Operating mechanisms for electric switches. 2,295,517; Sept. 8.

Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Operating mechanism for electric switches. 2,295,518; Sept. 8.

Meyer, Henry H., Covington, Ohio. Sweep rake. 2,295,091; Sept. 8.

Michelsen, Eberhard, Frohnau, Mark, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Multipole synchronous motor. 2,295,286; Sept. 8.

Michigan Alkali Company. (See Roderick, Howard F., assignor.)

Micro Switch Corporation. (See Eaton, Malcolm W., assignor.)

Micro Switch Corporation. (See Fetter, Norman C., assignor.)

Micro-Westco, Inc. (See Niebuhr, Harry N., assignor.)

Miller, Alfred J. (See Bucknam, J. H., Harris, and Miller.)

Miller, C. E., Manufacturing Company. (See Maze, William V., assignor.)

Miller, Clemmy O., Milwaukee, Wis., and A. E. Siehrs, Chicago, Ill., assignors to North American Rayon Corporation, New York, N. Y. Treatment of cellulose with alkali metal amides in anhydrous liquid ammonia. 2,294,924; Sept. 8.

Miller, Clemmy O., Milwaukee, Wis., and A. E. Siehrs, Chicago, Ill. Manufacture of reactive forms of cellulose and the like. 2,294,925; Sept. 8.

Miller, Raymond J., assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 2,295,503; Sept. 8.

Miller, Stephen J., Danbury, Conn. Hat ironing machine. 2,295,230; Sept. 8.

Miller, William J., Swissvale, Pa. Manufacture of appendaged pottery ware. 2,294,926; Sept. 8.

Millikin, Arnold S., and Henry M. Pickard, assignors to The Jaeger Machine Company, Columbus, Ohio. Apparatus for surfacing roads. 2,295,519; Sept. 8.

Milmoe, Michael J., Glen Ellyn, and E. A. Siebert, assignors to F. B. Redington Co., Chicago, Ill. Package and method of wrapping. 2,295,231; Sept. 8.

Milwaukee Gas Specialty Company. (See McCarty, Lourdes V., assignor.)

Mims, Sidney W., Arcadia, Calif. Apparatus for well cementing. 2,295,418; Sept. 8.

Minneapolis-Honeywell Regulator Company. (See Adams, F. E., and Thompson, assignors.)

Minneapolis-Honeywell Regulator Company. (See Baak, Albert E., assignor.)

Minneapolis-Honeywell Regulator Company. (See Di Vette, Randolph E., assignor.)

Minnesota Mining & Manufacturing Company. (See Plamquist, Philip V., assignor.)

Mishawaka Rubber and Woolen Manufacturing Company. (See Schott, John F., assignor.)

Miskelly, Samuel, Downers Grove, assignor to Western Railroad Supply Company, Chicago, Ill. Automatic crossing gate. 2,295,419; Sept. 8.

Mitchell, Donald H., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Control apparatus. 2,295,232; Sept. 8.

Mitchell, Edmund G., Godfrey Township, Madison County, assignor to Western Cartridge Company, East Alton, Ill. Copper alloy. 2,295,180; Sept. 8.

Mitchell, George A., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Jib crane. 2,294,998; Sept. 8.

Mitchell, George A., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Construction assembly for bridge cranes. 2,294,999; Sept. 8.

Moeller, William A., assignor to Los Angeles Spring Bed Company, Los Angeles, Calif. Lounge chair unit. 2,295,122; Sept. 8.

Monroe, Gordon R., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Transformer. 2,295,414; Sept. 8.

Monroe, Gordon R., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air-cooled, air insulated transformer. 2,295,415; Sept. 8.

Moore, Harold G. (See McNairy, J. W., and Moore.)

Moore, Walter J., Huntington Park, and S. C. Winger, and L. K. Loehr, assignor to G. H. Hall, Los Angeles, Calif. Clutch mechanism. 2,295,181; Sept. 8.

Moore, William D., assignor to American Cast Iron Pipe Company, Birmingham, Ala. Wrapping pipe. 2,295,420; Sept. 8.

Morgen, Sigurd P., assignor to The American Hardware Corporation, New Britain, Conn. Door holder. 2,295,421; Sept. 8.

Morris, George R., Rochester, N. Y. Drill grinder. 2,295,265; Sept. 8.

Morse, Richard S., assignor to Eastman Kodak Company, Rochester, N. Y. Rapid selector-calculator. 2,295,000; Sept. 8.

Mosher, Evert, Lamar, assignor of one-half to C. W. Switzer, Eads, Colo. Air conditioner. 2,295,233; Sept. 8.

Mudrich, Joseph, Chicago, Ill. Key holder. 2,295,123; Sept. 8.

Mueller, Ervin H., Grosse Pointe, Mich. Lighter structure for gas burners. 2,295,001; Sept. 8.

Mueller, Ervin H., Grosse Pointe Park, Mich. Lighter for gas burners. 2,295,002; Sept. 8.

Muench, Carl G., New Orleans, La., assignor to The Celotex Corporation, Chicago, Ill. Package and packaging. 2,295,287; Sept. 8.

Muffly, Glenn, Springfield, Ohio. Refrigerating mechanism. 2,295,124; Sept. 8.

Nardone, Romeo M., East Orange, N. J., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Engine starting mechanism. 2,295,288; Sept. 8.

Nardone, Romeo M., Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starting mechanism. 2,295,289; Sept. 8.

National Biscuit Company. (See Cassell, John A., assignor.)

National Biscuit Company. (See Davidson, Bruce J., assignor.)

National Biscuit Company. (See Mercier, Harvey O., assignor.)

National Carbon Company. (See Ford, Curry E., assignor.)

National Fitch Corporation. (See Norbom, Ragnar A., assignor.)

National Soda Straw Company. (See Goldberg, Max, assignor.)

Natkins, Efrem N., New York, N. Y. Flexible drive coupling. 2,295,003; Sept. 8.

Neely, John B., and C. P. Guth, St. Louis, Mo. Revetment mat. 2,295,422; Sept. 8.

Nelson, Edwin F., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon gases. 2,295,125; Sept. 8.

Newby, Roy E., Oakdale, Calif. Dispenser. 2,295,353; Sept. 8.

Niebuhr, Harry N., Davenport, assignor, by mesne assignments, to Micro-Westco, Inc., Bettendorf, Iowa. Blade spacer. 2,294,927; Sept. 8.

Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Cooling apparatus for electric lamps. 2,295,046; Sept. 8.

Norbom, Ragnar A., assignor to National Fitch Corporation, New York, N. Y. Mechanism for transferring freight. 2,294,928; Sept. 8.

North American Rayon Corporation. (See Gram, Carl F., assignor.)

North American Rayon Corporation. (See Miller, C. O., and Siehrs, assignors.)

Norton, James, Tulsa, Okla. Pipe cutting machine. 2,295,182; Sept. 8.

Norton Laboratories. (See Valentine, Harold G., assignor.)

Novi Equipment Company. (See Welch, Lewis W., assignor.)

O'Brien, Harold C. (See Havenhill, R. S., and O'Brien.)

O'Brien, John. (See Schuck, Joseph H., assignor.)

Obszarny, Thedore, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Socket for plug-in devices. 2,295,266; Sept. 8.

Oertle, Lawrence C. (See Uecker, R. A., Beatty, and Oertle.)

Offen, Francis J., assignor to Garrard Engineering & Manufacturing Company, Limited, Swindon, England. Automatic stop mechanism for magazine phonographs. 2,295,092; Sept. 8.

Oliver, Wallace F., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Solenoid. 2,295,047; Sept. 8.

Openshaw, Ralph A., Mesa, Ariz. Baler press. 2,294,929; Sept. 8.

Osgood, Dexter T. (See Honaman, R. K., Osgood, and Perkins.)

Owen, Audrey M., assignor to W. B. Harris, Millbury, Mass. Harness cord for looms. 2,295,423; Sept. 8.

Owen, Orland K., Jr., assignor to The Dao Corporation, Terre Haute, Ind. Liquid controlled structure. 2,295,004; Sept. 8.

Pabst Brewing Company. (See Gorcica, H. J., and Levine, assignors.)

Pacific Hard Rubber Company. (See Le Clercq, Raymond G., assignor.)

Page, Herbert E., Syracuse, N. Y. Pressing machine. 2,295,126; Sept. 8.

Page, John, Evanston, assignor to United States Gypsum Company, Chicago, Ill. Continuous manufacture of fibrous material. 2,294,932; Sept. 8.
Palmquist, Philip V., Minneapolis, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Reflex light reflector. 2,294,930; Sept. 8.
Paquet, Maxime, Saint-Maure-des-Fosses, France. Vitreous enamel containing zirconium and preparing same. 2,294,931; Sept. 8.
Parke, Peter, assignor to The Pullman Company, Chicago, Ill. Truck pedestal. 2,295,520; Sept. 8.
Parkhurst, Douglas L. (See Kaufman, H. P., and Parkhurst.)
Patzer, William. (See Tratsch, W. A., and Patzer.)
Paulus, Charles L. (See Holloman, G. V., Paulus, and Stout.)
Payne, Frank E., Glencoe, and T. L. Gatke, Oak Park, Ill. Piston head assembly. 2,295,521; Sept. 8.
Peacock, Finley C., and J. B. Engel, assignors to Bay West Paper Company, Green Bay, Mich. Towel dispensing cabinet. 2,295,005; Sept. 8.
Peak, Junior A. B., and F. Kautzman, Salt Lake City, Utah. Multiform printing machine. 2,295,267; Sept. 8.
Pearce, Heyward J. (See Judge, T. J., and Pierce.)
Peer, Albert A. (See Gilbert, G. R., and Peer.)
Pellegrin, Elmer D., and H. H. Ring, assignors to Geo. D. Roper Corporation, Rockford, Ill. Combination light fixture and mirror. 2,295,268; Sept. 8.
Penn Electric Development Corp. (See Eby, Hugh H., assignor.)
Penn Electric Switch Co. (See Rothwell, John J., assignor.)
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Perfection Sales Corporation of New England. (See Haley, John W., assignor.)
Perkins, Kenneth H. (See Honaman, R. K., Osgood, and Perkins.)
Perreault, Alzyre, River Rouge, Mich. Scaffolding. 2,295,183; Sept. 8.
Peters Bros. Rubber Co. (See Jackson, Clarence S., assignor.)
Peterson, Gustav A., Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y. Suction nozzle. 2,295,354; Sept. 8.
Petrolite Corporation, Ltd. (See De Groote, M., and Keiser, assignors.)
Pfennig, Reuben F., Goose Creek, Tex., assignor to Standard Oil Development Company. Refining of mineral oils. 2,295,048; Sept. 8.
Philco Radio and Television Corporation. (See Farrow, Frederick R., Jr., assignor.)
Philips, Herman B., New York, N. Y. Invalid support. 2,295,006; Sept. 8.
Photostat Corporation. (See Landrock, P., and Caps, assignors.)
Pickard, Henry M. (See Millikin, A. S., and Pickard.)
Picut, Frederick C., West Orange, N. J. Pump impeller. 2,295,424; Sept. 8.
Piercy, Carl A., Ballston Lake, and M. Guarnier, Schenectady, N. Y., assignors to General Electric Company. Electric power cable. 2,295,290; Sept. 8.
Piron, Emil H., New York, N. Y., assignor to Transit Research Corporation. Ventilated wheel. 2,295,269; Sept. 8.
Piron, Emil H., New York, N. Y., assignor to Transit Research Corporation. Resilient wheel. 2,295,270; Sept. 8.
Pityo, Albert F., Clifton, assignor to Tri State Cap & Cap Machinery Co., Inc., Newark, N. J. Machine for and method of applying covers to containers. 2,295,049; Sept. 8.
Plass, Lewis, El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Apparatus for casting bullion blocks. 2,295,007; Sept. 8.
Pleger, Karl G. (See Fordyce, C. R., Hunter, and Pleger.)
Pleister, Henry W., Westfield, assignor to Diamond Expansion Bolt Company, Inc., Garwood, N. J. Method of and blank for manufacturing bolt anchors. 2,295,127; Sept. 8.
Poor & Company. (See Johnson, George E., assignor.)
Porter, Henry D., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic color forming compound. 2,295,008; Sept. 8.
Porter, Henry D., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic color forming compound. 2,295,009; Sept. 8.
Potter, Wendell J., Norwalk, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Pocket. 2,295,425; Sept. 8.
Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Lock nut. 2,295,234; Sept. 8.
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Automatic side lock slider for slide fasteners. 2,295,426; Sept. 8.
Precision Metal Workers. (See Grunwald, Albert C., assignor.)
Prescott, Herbert L., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 2,295,355; Sept. 8.
Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)
Protectoseal Company of America, Inc. (See Anschicks, Rudolph J., assignor.)
Protectoseal Company of America, Inc. (See Lebus, William A., assignor.)
Pullman Company, The. (See Parke, Peter, assignor.)
Pursell, Arthur, Jonesboro, Tenn. Identification device. 2,294,933; Sept. 8.
Pusinelli, Eric. (See Serr, William F., assignor.)
Puster, Louis M., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Temperature regulator. 2,295,427; Sept. 8.
Pye Limited. (See Jones, W., and Edwards, assignors.)
Raasch, Roy C., Chicago, Ill. Rail bond. 2,294,934; Sept. 8.
Radio Corporation of America. (See Anderson, Leslie J., assignor.)
Radio Corporation of America. (See Carlson, Wendell L., assignor.)
Radio Corporation of America. (See Cole, Charles T., Jr., assignor.)
Radio Corporation of America. (See Creager, Frederick L., assignor.)
Radio Corporation of America. (See George, Roscoe H., assignor.)
Radio Corporation of America. (See Hillier, James, assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Kreuzer, Barton, assignor.)
Radio Corporation of America. (See Landis, Daniel O., assignor.)
Radio Corporation of America. (See Luck, David G. C., assignor.)
Radio Corporation of America. (See Suomala, John B., assignor.)
Radio Corporation of America. (See Wolff, Irving, assignor.)
Radtke, Charles, West New York, and H. Bellman, Wood-Ridge, assignors to Lorr Laboratories, Paterson, N. J. Stenciling mask. 2,295,128; Sept. 8.
Rathbun, Fay F., Salamanca, N. Y. Key ejector. 2,295,356; Sept. 8.
Redington, F. B., Co. (See Milmoe, M. J., and Siebert, assignors.)
Reed, Jesse O., Washington, D. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office. Producing rosin. 2,295,235; Sept. 8.
Reeves Pulley Company. (See Clay, Harry C., assignor.)
Reger, Martin. (See Lompe, A., and Reger.)
Reynolds, William B., Elmhurst, N. Y., S. S. Rossander, Wilmington, Del., and D. E. Kvalnes, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye. 2,295,050; Sept. 8.
Richmond Screw Anchor Co. (See Schenk, Tamis C., assignor.)
Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. 2,295,010; Sept. 8.
Riegel, Byron, and P. G. Smith, Evanston, Ill., C. E. Schweitzer, Flint, Mich., and V. C. Free, assignors to Abbott Laboratories, North Chicago, Ill. Preparing vitamin K concentrates. 2,295,129; Sept. 8.
Riemenschneider, Edmund W., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Pile driving head construction. 2,295,489; Sept. 8.
Riester, Oskar. (See Wilmanns, G., and Riester.)
Ring, Harold H. (See Pellegrin, E. D., and Ring.)
Ritchie, Scott B., U. S. Army, Cootes Store, Va. Centrifugal mold stopper. 2,294,935; Sept. 8.
Robertson, Isaac W., La Grange, assignor, by mesne assignments, to The Dill Manufacturing Company, Cleveland, Ohio. Valve stem. 2,295,236; Sept. 8.
Robinett, Homer. (See Ryan, J. T., and Robinett.)
Roderick, Howard F., Grosse Isle, assignor to Michigan Alkali Company, Wyandotte, Mich. Controlling particle size in manufacture of calcium carbonate pigment. 2,295,291; Sept. 8.
Rodrick, Raymond A., Akron, Ohio. Windshield wiper. 2,295,011; Sept. 8.
Rogers, Charles R. (See Drapeau, J. E., and Rogers.)
Rogers, Clifford W., Detroit, Mich., assignor to Rogers Motor Company. Engine ignition mechanism. 2,294,936; Sept. 8.
Rogers, Frank, Hoosick Falls, N. Y. Fish lure. 2,295,292; Sept. 8.
Rogers, George L., Schenectady, N. Y., assignor to General Electric Company. Electric system and indicating circuit therefor. 2,295,293; Sept. 8.
Rogers Motor Company. (See Rogers, Clifford W., assignor.)
Roper, Geo. D., Corporation. (See Pellegrin, E. D., and Ring, assignors.)
Rosa, Giglio N., New York, N. Y. Cutting rails. 2,295,052; Sept. 8.
Rosen, Raphael, Elizabeth, and R. M. Thomas, Union, N. J., assignors to Standard Oil Development Company. Hydrocarbon oils containing organic trisulphides as oxidation inhibitors. 2,295,053; Sept. 8.
Ross, Donald W., Washington, Pa. Increasing the density of a mass of granular material. 2,295,294; Sept. 8.

Rossander, Swanie S. (See Reynolds, W. B., Rossander, and Kvalnes.)
Rossi, Irving. (See Junghans, Siegfried, assignor.)
Roth, Raymond T., Philadelphia, Pa. Connector. 2,295,051; Sept. 8.
Rothwell, John J., Elkhart, assignor to Penn Electric Switch Co., Goshen, Ind. Tire inflater. 2,295,237; Sept. 8.
Rudd, Harry B., Flushing, N. Y. Electrical switch. 2,295,054; Sept. 8.
Rupp, William C., Parma, L. W. Kuttler, Jr., Wickliffe, and L. R. Johnson, Cleveland, assignors to Colators, Inc., Painesville, Ohio. Collating machine. 2,295,055; Sept. 8.
Ruskin, Simon L., New York, N. Y. Cevitamate compound. 2,294,937; Sept. 8.
Russell, Harlow M., et al. (See Hoag, Roderick W., assignor.)
Russell & Sidebotham. (See Hoag, Roderick W.)
Rustproofing and Metal Finishing Company. (See Tuttle, James N.)
Ryan, James T., Santa Monica, and H. Robinett, Los Angeles, Calif. Turnbuckle assembly. 2,295,357; Sept. 8.
Ryde, John W. (See Jenkins, H. G., and Ryde.)
Safway Steel Scaffolds Co. of Wisconsin. (See Uecker, R. A., Beatty, and Oertle, assignors.)
St. Joseph Lead Company. (See Havenhill, R. S., and O'Brien, assignors.)
St. Joseph Lead Company. (See Long, Carleton C., assignor.)
St. Palley, Zoltan O., Pittsfield, Mass., assignor to General Electric Company. Tap changer. 2,295,303; Sept. 8.
Salta Corporation. (See Smith, Wesley L., assignor.)
Sandbo, Clarence I., assignor of one-third to L. R. Dehler, Rock Island, Ill., and one-third to W. L. Hoehn, Davenport, Iowa. Aligner gauge. 2,295,184; Sept. 8.
Sandherr, Frederick H., assignor to Concrete Transport Mixer Company, St. Louis, Mo. Stuffing box gland. 2,295,490; Sept. 8.
Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Direction signal lamp for motor vehicles. 2,295,428; Sept. 8.
Schaffan, Stephan, Jr., Irvington, N. J. Toy railway track switch and making same. 2,295,358; Sept. 8.
Schenk, Pieter, Brooklyn, N. Y. Fence. 2,295,056; Sept. 8.
Schenk, Tamis C., assignor to Richmond Screw Anchor Co., Inc., Brooklyn, N. Y. Switch. 2,295,238; Sept. 8.
Schering Corporation. (See Schwenk, Erwin, assignor.)
Schwenk, Erwin, Montclair, assignor to Schering Corporation, Bloomfield, N. J. Oxygenated estrogenic hormones and preparing same. 2,294,938; Sept. 8.
Schiller, John J., Cicero, Ill. Shoe lengthener. 2,295,359; Sept. 8.
Schimkus, Kurt E., assignor, by mesne assignments, to E. S. Evans, Detroit, Mich. Circuit controlling apparatus. 2,295,295; Sept. 8.
Schinzel, Karl, assignor to Eastman Kodak Company, Rochester, N. Y. Developing multilayer photographic color films. 2,295,013; Sept. 8.
Schmidt, Charles F., assignor to The De Vilbiss Company, Toledo, Ohio. Respirator. 2,295,296; Sept. 8.
Schmuldt, Karl A., Teaneck, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool. 2,295,014; Sept. 8.
Schneider, Elbert D., Scotia, N. Y., assignor to General Electric Company. Protective system. 2,295,297; Sept. 8.
Schneider, Reuben W., Alliance, Ohio. Hook fastener for doors and the like. 2,295,360; Sept. 8.
Schnuck, Carl F., New Haven, assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn. Single rotor mixer for plastic material. 2,295,361; Sept. 8.
Schnuck, Carl F., New Haven, assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn. Mixer for plastic material. 2,295,362; Sept. 8.
Schott, John F., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Pillow. 2,295,363; Sept. 8.
Schreck, Carl, New York, N. Y. Detachable heel. 2,295,491; Sept. 8.
Schreiber, John H., St. Louis, and F. H. Dean, Normandy, assignors to General Engineering & Mfg. Co., St. Louis, Mo. Metal shaper. 2,295,130; Sept. 8.
Schuck, Joseph H., Mamaroneck, assignor to J. O'Brien, Jackson Heights, N. Y. Fabricated fence. 2,295,271; Sept. 8.
Schultz, William O., South Milwaukee, and A. G. Steinmayer, assignors to Line Material Company, Milwaukee, Wis. Fuse device. 2,295,015; Sept. 8.
Schumert, Arthur F., Belleville, Ill. Automatic radio controlling means. 2,295,057; Sept. 8.
Schwartz, Paul A. (See Shepard, R. H., Haas, and Schwartz.)
Schwarzmayr, Ludwig, San Francisco, Calif. Survey marking device. 2,295,186; Sept. 8.
Schweitzer, Carl E. (See Reigel, B., Smith, Schweitzer, and Free.)
Schwendner, Anthony F. (See Gaballs, J. J., and Schwendner.)
Scott, Stanley, Norfolk, Va. Tool for metal seaming. 2,295,131; Sept. 8.
Scribner, Marion E., Denver, Colo. Disposable absorbent sanitary pad. 2,295,016; Sept. 8.
Sears, Roebuck and Co. (See Wallace, Stanley, assignor.)
Sears, Roebuck and Co. (See Zink, William, assignor.)
Seator, Robert J., assignor to United States Register Co., Battle Creek, Mich. Exhaust fan damper operating auxiliary. 2,295,239; Sept. 8.
Sebrell, Lorin B., Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Treating fabric and product thereof. 2,295,429; Sept. 8.
Secretary of Agriculture of the United States of America, Claude R. Wickard, and to his successors in office. (See Reed, Jesse O., assignor.)
Seewald, Philip W., Clinton, assignor to J. H. Gorsuch, Detroit, Mich. Advertising device. 2,295,430; Sept. 8.
Seig, Robert D. (See Vilbrandt, F. C., Seig, and Farrar.)
Selmer, H. & A., Inc. (See Bundy, George M., assignor.)
Semar, Harold W., Springfield, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine blading. 2,295,012; Sept. 8.
Septant, William T. (See Graf, A. J., and Septant.)
Serr, William F., assignor, by mesne assignments, to E. Pusinelli, New York, N. Y. Ski edge. 2,295,185; Sept. 8.
Servel, Inc. (See Ullstrand, Hugo M., assignor.)
Shane, Harry A. (See Sillman, I. D., and Shane.)
Sharp, John C., Oak Park, assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Heating system. 2,295,298; Sept. 8.
Sharp, Thomas E., and G. W. Flint, assignors to Standard Oil Company, Chicago, Ill. Polish. 2,295,132; Sept. 8.
Sharpe, Robert H., Oakland, Calif. Conveyer belt structure. 2,295,133; Sept. 8.
Shaulis, Edward E. (See Figg, L. J., and Shaulis.)
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Control switch. 2,295,240; Sept. 8.
Shaw, Ralph M., Jr., Edgewater Park, N. J. Power transmission. 2,295,299; Sept. 8.
Shelton, Robert S., Mariemont, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Setyl quaternary ammonium compound. 2,295,504; Sept. 8.
Shelton, Robert S., Mariemont, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Composition of matter. 2,295,505; Sept. 8.
Shepard, Ralph H., New York, W. Haas, Yonkers, and P. A. Schwartz, Flushing, N. Y. Anchor. 2,295,431; Sept. 8.
Shields, William D., Edgeworth, assignor to E. W. Voss, Dormont, Pa. Roller leveler. 2,295,017; Sept. 8.
Shoemaker, Robert J., and C. M. House, Chicago, Ill. Journal bearing. 2,294,939; Sept. 8.
Shorter, Albert E., Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y. Blowpipe head. 2,295,522; Sept. 8.
Sidebotham, Melvin H., et al. (See Hoag, Roderick W., assignor.)
Siebert, Edmond A. (See Milmoe, M. J., and Siebert.)
Siehrs, Arthur E. (See Miller, C. O., and Siehrs.)
Sillman, Isaac D., and H. A. Shane, New York, N. Y. Guard for containers. 2,295,300; Sept. 8.
Singer Manufacturing Company, The. (See Barron, William L., assignor.)
Skolnix, Max, Chicago, Ill. Mirror backing. 2,294,940; Sept. 8.
Skorepa, Henry, Tucumcari, N. Mex. Adjustable shoe arch support. 2,295,364; Sept. 8.
Slezskinsky, Gregory N., Dunellen, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Housing. 2,295,241; Sept. 8.
Slingsby, Ernest W., Deep River, assignor to C. J. Bates & Son, Chester, Conn. Package construction for knitting needles. 2,295,242; Sept. 8.
Smethers, James A., Odessa, Tex. Paraffine scraper. 2,295,058; Sept. 8.
Smith, Ernest O., Los Angeles, Calif. Eliminating electricity in printing operations. 2,295,134; Sept. 8.
Smith, J. Hugo, Detroit, Mich. Contour machining tool. 2,295,135; Sept. 8.
Smith, Perrin G. (See Reigel, B., Smith, Schweitzer, and Free.)
Smith, S., & Sons (Motor Accessories) Limited. (See Hemmings, John, assignor.)
Smith, Wells Lamont, Corporation. (See Wells, W. O., Jr., and Mason, assignors.)
Smith, Wesley L., Bedford, Va., assignor to Salta Corporation, Jersey City, N. J. Belt. 2,295,432; Sept. 8.
Smith, William E., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit controller. 2,295,301; Sept. 8.
Smyth, Charles N., Sidcup, Kent, England, assignor to International Standard Electric Corporation, New York, N. Y. Television receiver. 2,295,059; Sept. 8.
Société d'Inventions Aéronautiques et Mécaniques S. I. A. M. (See Levy, René L., assignor.)
Socony-Vacuum Oil Company. (See Dunham, George S., assignor.)
Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Heat treating. 2,295,272; Sept. 8.
Sonora Radio & Television Corp. (See Hoffmann, E. L., and Fetterman, assignors.)
Sparkman, Ervin L., Three Rivers, Tex. Bull control. 2,295,365; Sept. 8.

Spencer, Charles G., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trunk hunting circuit. 2,295,187; Sept. 8.
Sperry Gyroscope Company. (See Braddon, Frederick D., assignor.)
Sperry Gyroscope Company. (See Carter, Leslie F., assignor.)
Spoon, Walter O., assignor of one-half to G. S. Klein, Goldendale, Wash. Antenna. 2,295,302; Sept. 8.
Spring Products Corporation. (See Jonassen, Jonas, assignor.)
Square D Company. (See Kollsman, Paul, assignor.)
Stacey Brothers Gas Construction Company. (See Brinkman, Herbert C., assignor.)
Stalder, Lee R., Kansas City, Mo., assignor to Certain-Teed Products Corporation, New York, N. Y. Sheet feeding apparatus. 2,295,060; Sept. 8.
Standard Oil Company. (See Arveson, Maurice H., assignor.)
Standard Oil Company. (See Loane, Clarence M., assignor.)
Standard Oil Company. (See Sharp, T. E., and Flint, assignors.)
Standard Oil Company. (See Swenson, Reuben A., assignor.)
Standard Oil Development Company. (See Archibald, Francis M., assignor.)
Standard Oil Development Company. (See Gilbert, G. R., and Peer, assignors.)
Standard Oil Development Company. (See Pfennig, Reuben F., assignor.)
Standard Oil Development Company. (See Rosen, R., and Thomas, assignors.)
Standard Oil Development Company. (See Vesterdal, Hans G., assignor.)
Standard Oil Development Company. (See Williams, Milton, assignor.)
Starnes, James R., assignor to Interchange Neon Sign Company Limited, Toronto, Ontario, Canada. Interchangeable letter sign. 2,295,188; Sept. 8.
Stegmeier, Charles, Auburn, Calif. Emergency rear axle locking device. 2,295,492; Sept. 8.
Steiner, Frank G., Miami Beach, Fla., assignor to Steiner Sales Company, Salt Lake City, Utah. Package with mount. 2,295,018; Sept. 8.
Steiner Sales Company. (See Birr, R. G., and Grunwald, assignors.)
Steiner Sales Company. (See Steiner, Frank G., assignor.)
Steinman, David B., New York, N. Y. Stereo motion picture viewer. 2,295,243; Sept. 8.
Steinmayer, Alwin G. (See Schultz, William O.)
Steinmetz, Benjamin J., Cedarhurst, N. Y. Coffee percolator. 2,295,433; Sept. 8.
Stiers, Carl J., Galena, Ohio. Mixer. 2,295,136; Sept. 8.
Stoddard, Edgar S., Berwyn, and P. K. Horman, assignors to Edison General Electric Appliance Company, Inc., Chicago, Ill. Cabinet structure. 2,295,304; Sept. 8.
Stokes and Smith Company. (See Federwitz, Theodore A., assignor.)
Stout, Edward E. (See Weydell, Jarl M., assignor.)
Stout, George P., Baltimore, Md., assignor to The Coca-Cola Company, Wilmington, Del. Inspection device. 2,295,366; Sept. 8.
Stout, Raymond K. (See Holloman, G. V., Paulus, and Stout.)
Strain, Hunter. (See Grace, W. E., and Strain.)
Stuber, Walter J., assignor to Carey-McFall Company, Philadelphia, Pa. Venetian blind. 2,295,434; Sept. 8.
Suckow, Frederick G., Bowmansville, assignor to The Symington-Gould Corporation, Rochester, N. Y. Resilient means. 2,295,093; Sept. 8.
Sullivan Machinery Company. (See Joy, Joseph F., assignor.)
Sulzer, John H., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical connecting apparatus. 2,295,367; Sept. 8.
Summers, Claude M., Fort Wayne, Ind., assignor to General Electric Company. Motor circuit. 2,295,305; Sept. 8.
Sun Oil Company. (See Jolly, Samuel E., assignor.)
Suomala, John B., Haddonfield, N. J., assignor to Radio Corporation of America. Cabinet. 2,295,368; Sept. 8.
Sutton, Homer M., Chicago, Ill. Window shade or drape. 2,295,137; Sept. 8.
Swenson, Reuben A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Soap and lubricant containing same. 2,295,189; Sept. 8.
Switzer, C. W. (See Mosher, Evert, assignor.)
Symington-Gould Corporation, The. (See Suckow, Frederick G., assignor.)
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Railway brake. 2,295,244; Sept. 8.
Talon, Inc. (See Poux, Noel J., assignor.)
Tampier, René, Cricklewood, London, England. Aircraft. 2,295,306; Sept. 8.
Taylor, Walter W. (See Malsbary, J. F., and Taylor.)
Teague, Walter D., Jr., Douglaston, N. Y., assignor to The Enamel Products Co., Cleveland, Ohio. Extension leaf table. 2,295,094; Sept. 8.
Teague, Walter D., Jr., Douglaston, N. Y., assignor to The Enamel Products Co., Cleveland, Ohio. Extension leaf table. 2,295,095; Sept. 8.
Teague, Walter D., Jr., Douglaston, N. Y., assignor to The Enamel Products Co., Cleveland, Ohio. Extension leaf table. 2,295,096; Sept. 8.
Tecalemit Limited. (See Le Clair, Camille C. S.)
Teich, Ernest L., assignor to The American Hardware Corporation, New Britain, Conn. Door lock and latch. 2,295,435; Sept. 8.
Temple, George W., New York, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Slug feeding mechanism for extruding presses. 2,295,138; Sept. 8.
Tendler, Max, Los Angeles, Calif. Internal combustion engine. 2,295,436; Sept. 8.
Teone, B., (Nottingham) Limited. (See Cole, Bernard T., assignor.)
Textile Machine Works. (See Bitzer, Gottlob, assignor.)
Thomas, Robert M. (See Rosen, R., and Thomas.)
Thomason, Hjalmar, Los Angeles, Calif. Brake shoe grinding machine and gauge. 2,295,061; Sept. 8.
Thompson, Albert R., Los Gatos, assignor to Food Machinery Corporation, San Jose, Calif. Longitudinal roll cooker. 2,295,273; Sept. 8.
Thompson, Anthony V., Detroit, Mich. Lighted doorbell with pad. 2,295,369; Sept. 8.
Thompson, Charles H., et al. (See Adams, F. E., and Thompson.)
Thompson, Lonnie L., assignor to Thompson Tool Company, Inc., Iowa Park, Tex. Sampling device. 2,295,437; Sept. 8.
Thompson, Milton E., Ridgway, Pa. Electrodynamic brake. 2,295,019; Sept. 8.
Thompson Tool Company. (See Thompson, Lonnie L., assignor.)
Thumim, Carl, Lansdowne, Pa., assignor to General Electric Company. High speed reclosing mechanism. 2,295,307; Sept. 8.
Thumim, Carl, Lansdowne, Pa., assignor to General Electric Company. High speed reclosing mechanism. 2,295,308; Sept. 8.
Thumim, Carl, Yeadon, Pa., assignor to General Electric Company. High speed circuit breaker reclosing mechanism. 2,295,309; Sept. 8.
Toelle, Walter H., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Center support for curtain rods. 2,295,506; Sept. 8.
Tokheim Oil Tank and Pump Company. (See Waugh, Paul E., assignor.)
Topanelian, Edward, Jr., Verona, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Flexible bearing. 2,295,139; Sept. 8.
Towne, Harold M., Pittsfield, Mass., assignor to General Electric Company. Electric cutout. 2,295,310; Sept. 8.
Townsend, Guy W., assignor to E. C. Haas, Denver, Colo. Cervical diaphragm. 2,295,062; Sept. 8.
Transit Research Corporation. (See Barr, John D., assignor.)
Transit Research Corporation. (See Piron, Emil H., assignor.)
Tratsch, Walter A., and W. Patzer, Chicago, Ill. Coin tester. 2,295,493; Sept. 8.
Tri State Cap & Cap Machinery Co. (See Pityo, Albert F., assignor.)
Tritt, Charles W., Huntington Park, Calif. Clothes hanger. 2,295,370; Sept. 8.
Turner & Newall Limited. (See Cann, John A., assignor.)
Tuttle, James C., South Glens Falls, N. Y. Ash tray. 2,295,245; Sept. 8.
Tuttle, James N., assignor, by mesne assignments, to J. N. Tuttle, Newton, doing business as Rustproofing and Metal Finishing Company, Cambridge, Mass. Protective coating. 2,295,063; Sept. 8.
Tuttle, William N., Concord, assignor to General Radio Company, Cambridge, Mass. Nulltype meter and method. 2,294,941; Sept. 8.
Twentieth Century-Fox Film Corporation. (See Lavin, John M., assignor.)
Uecker, Reinhold A., and D. E. Beatty, Wauwatosa, and L. C. Oertle, Milwaukee, assignors to Safway Scaffolds Co. of Wisconsin, Wauwatosa, Wis. Portable grandstand or bleacher. 2,295,311; Sept. 8.
Ulrich, Sue M., Tionesta, Pa. Infant's outer garment. 2,295,140; Sept. 8.
Ulstrand, Hugo M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,295,064; Sept. 8.
Union Metal Manufacturing Company, The. (See Riemenschneider, Edmund W., assignor.)
Union Switch & Signal Company, The. (See Smith, William E., assignor.)
United-Carr Fastener Corporation. (See Churchill, Wilmer H., assignor.)
United-Carr Fastener Corporation. (See Johnson, Frank E., assignor.)
United-Carr Fastener Corporation. (See Woodward, Clement A., assignor.)
United Shoe Machinery Corporation. (See Hathaway, Everett G., assignor.)
United States Gypsum Company. (See Page, John, assignor.)
United States Register Co. (See Seator, Robert J., assignor.)
Universal Oil Products Company. (See Benedict, W. L., and Mattox, assignors.)

Universal Oil Products Company. (See Nelson, Edwin F., assignor.)
Valentine, Harold G., assignor to Norton Laboratories, Lockport, N. Y. Combined box and hinge construction. 2,295,494; Sept. 8.
Vanderbilt, R. T., Company, Inc. (See Potter, Wendell J., assignor.)
Vaniman, Kenneth G., Wichita, Kans. Tire casing vulcanizer. 2,295,438; Sept. 8.
Van Vliet, Paul D. (See Jordan, W. D., and Van Vliet.)
Van Wingen, Neil P., assignor to American Box Board Company, Grand Rapids, Mich. Container. 2,295,141; Sept. 8.
Varian, Russell H., W. W. Hansen, and E. L. Ginzton, assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. Fixed frequency difference stabilization system. 2,294,942; Sept. 8.
Vaughan, Basil R. (See Gulles, P. A., and Vaughan.)
Vesterdal, Hans G., Elizabeth, N. J., assignor to Standard Oil Development Company. Separation of soaps from oil. 2,295,065; Sept. 8.
Vetter, Herman, Los Angeles, Calif. Rink construction. 2,295,142; Sept. 8.
Victor Metal Products Corporation. (See Temple, George W., assignor.)
Vilbrandt, Frank C., R. D. Sieg, and T. F. Farrar, Blacksburg, Va. Making confection products, from apple products, with milk. 2,295,020; Sept. 8.
Vinal, Leroy W. (See Bell, A. O., Vinal, and Hall.)
Vogel, Fred J., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 2,295,371; Sept. 8.
Voigtman, Edward H. (See Fourness, C. A., and Voigtman.)
Voigtman, Edward H., Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Sanitary napkin. 2,295,439; Sept. 8.
Voss, Edward W. (See Shields, W. D., assignor.)
Voss, John H., Downers Grove, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,295,372; Sept. 1.
Vultee Aircraft, Inc. (See Jerman, John R., assignor.)
Wagner, Charles F., Swissvale, and G. D. McCann, Jr., Edgewood, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Surge measuring instrument. 2,295,312; Sept. 8.
Wagner Electric Corporation. (See Freeman, Walter R., assignor.)
Wagner Electric Corporation. (See Gardiner, Clarence V., assignor.)
Walker, Joseph E., Saginaw, Mich. Preparing homogeneous honey pectin composition. 2,295,274; Sept. 8.
Wallace, Stanley, assignor to Sears, Roebuck and Co., Chicago, Ill. Wet mop. 2,294,943; Sept. 1.
Wassberg, Frank R., Coleraine, Minn. Balance starter. 2,295,440; Sept. 8.
Watkins, Charles W., Kingston, Pa. Package and article carrier. 2,295,143; Sept. 8.
Waugh, Paul E., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Apparatus for removing water from oil-circulating systems of internal combustion engines. 2,295,097; Sept. 8.
Weatherhead Company, The. (See Carlson, Bert G., assignor.)
Weida, Millard F., assignor to The Curthalt Company, Canton, Ohio. Pretzel making machine. 2,295,246; Sept. 8.
Weikert, Roy J., Covington, Ohio. Forming rubber hydrochloride. 2,295,066; Sept. 8.
Weiner, Nathan, Chicago, Ill. Mechanical movement. 2,295,144; Sept. 8.
Weir, Alvah C., Longview, Tex. Merchandise dispensing container. 2,295,313; Sept. 8.
Weis, Henry, Manufacturing Company. (See Kerr, Paul W., assignor.)
Weiss, Dewey S., Portland, Oreg. Trailer coupling. 2,295,021; Sept. 8.
Weissberger, Arnold, et al. (See Porter, H. D., and Weissberger.)
Welch, Lewis W., Detroit, assignor to Novi Equipment Company, Novi, Mich. Register assembly. 2,295,145; Sept. 8.
Welch, Lewis W., Detroit, assignor to Novi Equipment Company, Novi, Mich. Register assembly. 2,295,146; Sept. 8.
Wells, William O., Jr., and Arthur H. Mason, Evanston, assignors to Wells Lamont Smith Corporation, Chicago, Ill. Work glove. 2,295,507; Sept. 8.
Wessman, Walter G., Bridgeport, Conn. Compensating index. 2,295,247; Sept. 8.
West, Johannes. (See Carlson, Fritz E., and West.)
Western Cartridge Company. (See Garfield, Frederick M., assignor.)
Western Cartridge Company. (See Mitchell, Edmund G., assignor.)
Western Electric Company. (See Mitchell, Donald H., assignor.)
Western Electric Company. (See Schmuldt, Karl A., assignor.)
Western Electric Company. (See Slezskinsky, Gregory N., assignor.)
Western Electric Company. (See Sulzer, John H., assignor.)
Western Railroad Supply Company. (See Miskelly, Samuel, assignor.)
Western Union Telegraph Company, The. (See Buckingham, William D., assignor.)
Westinghouse Electric Elevator Company. (See Bouton, Edgar M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Arters, Edward T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Barnsteiner, Alfons, assignor.)
Westinghouse Electric & Manufacturing Company. (See Beck, E. F. W., and Lear, assignors.)
Westinghouse Electric & Manufacturing Company. (See Bendz, Waldemar I.)
Westinghouse Electric & Manufacturing Company. (See Brace, Porter H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brooks, Hamilton, assignor.)
Westinghouse Electric & Manufacturing Company. (See Cox, Joseph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cuttino, William H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ely, James K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Exner, Donald W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Formhals, William H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gabalis, J. J., and Schwendner, assignors.)
Westinghouse Electric & Manufacturing Company. (See Geiselman, Ralph A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Griscom, Samuel B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hansen, Elmer K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hertl, Robert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Johns, Francis J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Johnson, F. D., and Cumming, assignors.)
Westinghouse Electric & Manufacturing Company. (See Kreh, Edward J., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lenehan, Bernard E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Little, Donald G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lunas, Lawrence J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Michelsen, Eberhard, assignor.)
Westinghouse Electric & Manufacturing Company. (See Monroe, Gordon R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Prescott, Herbert L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Semar, Harold W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Vogel, Fred J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wagner, C. F., and McCann, assignors.)
Westinghouse Electric & Manufacturing Company. (See Wickerham, William R., assignor.)
Weydell, Jarl M., assignor of one-half to E. E. Stout, Indianapolis, Ind. Speed governor. 2,295,147; Sept. 8.
Whipple, Willis A. (See Malcom, R., and Whipple.)
Whitney, Ernest C., Waterbury, Conn. Setscrew. 2,295,314; Sept. 8.
Wickerham, William R., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Synchronous motor control. 2,295,373; Sept. 8.
Widenham, Allen W., San Francisco, Calif. Typewriter meter device. 2,295,275; Sept. 8.
Wiedinger, Arthur J., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Safety device. 2,295,441; Sept. 8.
Wilhelm, Karl, Berlin, Germany, vested in the Alien Property Custodian. Remote control device. 2,295,442; Sept. 8.
Williams, Milton, Houston, Tex., assignor to Standard Oil Development Company. Drilling mud composition. 2,295,067; Sept. 8.
Williams, Selden T. (See Eberhard, B. C., and Williams.)
Wilmanns, Gustav, Wolfen, Kreis Bitterfeld, and O. Riester, Dessau-Ziebigk, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Photographic emulsion. 2,295,276; Sept. 8.
Wilshusen, August E., Detroit, Mich. Ventilator window. 2,295,277; Sept. 8.
Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Television signal-translating system. 2,295,443; Sept. 8.
Winders, Robert F., Huntington Park, Calif. Tie element. 2,295,278; Sept. 8.
Winger, Stover C. (See Moore, W. J., Winger, and Loebr.)
Wingfoot Corporation. (See Eberhard, Boyd C., assignor.)
Wingfoot Corporation. See Eberhard, B. C., and Williams, assignors.)
Wingfoot Corporation. (See Sebrell, Lorin B., assignor.)

Wingfoot Corporation. (See Wiedinger, Arthur J., assignor.)
Winthrop Chemical Company. (See Benhisch, Robert, assignor.)
Witham, Winfred A., assignor to Gleason Works, Rochester, N. Y. Tool for finishing gears. 2,295,148; Sept. 8.
Wittner, Loren H., Odenton, Md. Prefabricated plywood panel unit. 2,295,248; Sept. 8.
Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Microwave device. 2,295,315; Sept. 8.
Wood, William H., Bedford, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Printing plate preparation. 2,294,944; Sept. 8.
Woodin, Walter F., Rolfe, Iowa. Remote control switch. 2,295,068; Sept. 8.
Woodward, Clement A., Dedham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener for handles and other installations. 2,295,444; Sept. 8.
Wright Aeronautical Corporation. (See Carvelli, Gustaf, assignor.)
Wyeth, John, & Brother, Incorporated. (See Barol, Alfred, assignor.)
Yanchek, Frank, Maplewood, N. J. Universal drill jig. 2,295,022; Sept. 8.
Yates, Harry, assignor to W. & T. Avery Limited, Birmingham, England. Hydraulic testing machine. 2,295,249; Sept. 8.
Yates, Tom L., Millcreek Township, Erie County, assignor, by mesne assignments, to Lord Manufacturing Company, Erie, Pa. Joint. 2,295,316; Sept. 8.
Young, Wilburn R., Camden, Ark. Roughing tool. 2,295,317; Sept. 8.
Yu Wang, Chung. (See Hodson, F., Yu Wang, and Hodson.)
Zarnesky, Andrew, New York, N. Y. Air valve for steam radiators. 2,295,374; Sept. 8.
Zenewich, Joseph, Chicago, Ill. Automatic line puller for fishlines. 2,295,250; Sept. 8.
Zenge, Harry H., et al. (See Zenge, Harry H., and W. J. C., assignors.)
Zenge, Harry H., and W. J. C. Zenge, deceased; W. E. Zenge, administrator, assignors to said H. H. Zenge and F. W. Goetz, Canton, Mo. Pickle separating machine. 2,295,190; Sept. 8.
Zenge, W. E., administrator. (See Zenge, Harry H. and W. J. C.)
Zenge, William J. C., et al. (See Zenge, Harry H. and W. J. C.)
Zenith Radio Corporation. (See Adams, James J., assignor.)
Zink, William L., Plano, assignor to Sears, Roebuck and Co., Chicago, Ill. Tractor. 2,294,945; Sept. 8.
Zippler, Francis J., assignor of one-half to Lawrence Copper and Bronze Company, Pittsburgh, Pa. Tuyère. 2,295,069; Sept. 8.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF SEPTEMBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Broaching lathe. W. F. Groene and W. R. Meyer. Re. 22,174; Sept. 8.
Broiler and fryer unit. W. J. Russell and K. L. Woodman. Re. 22,176; Sept. 8.
Heating device. J. C. Sharp. Re. 22,177; Sept. 8.
Selective control system and apparatus. L. M. Potts. Re. 22,175; Sept. 8.

LIST OF DESIGN INVENTIONS

Anchor, Rope. J. A. Truhon. 133,718; Sept. 8.
Badge or similar article. E. D. Kuekes. 133,750; Sept. 8.
Banner, Picture carrying service. W. G. Cook, Jr. 133,697; Sept. 8.
Bedstead. A. J. Buckner. 133,695; Sept. 8.
Bowl and plate, Combined. S. E. Parker. 133,703; Sept. 8.
Brassière, Bandeaux. S. Redares. 133,752; Sept. 8.
Brassière, Long-Line. S. Redares. 133,753; Sept. 8.
Brooch, Separable. A. Katz. 133,745; Sept. 8.
Brooch or similar article. A. Katz. 133,746; Sept. 8.
Brooch or similar article. B. Pereira. 133,704; Sept. 8.
Brooch or similar article. A. Katz. 133,728–32; Sept. 8.
Brooch or similar article. A. Katz. 133,734–44; Sept. 8.
Buckle. W. A. Nelson and R. L. Bringolf. 133,747; Sept. 8.
Cabinet, Radio. W. R. Ballard. 133,707; Sept. 8.
Case, Display. J. G. Everett and C. J. Clark. 133,699; Sept. 8.
Case and pen demonstrator unit, Combined display. P. M. Ressinger. 133,705; Sept. 8.
Casing or the like, Suction cleaner. R. E. Kruck. 133,711; Sept. 8.
Chest or similar article. A. J. Buckner. 133,693–4; Sept. 8.
Clasp. B. Beach. 133,692; Sept. 8.
Compass, Drop bow. F. G. Eubanks. 133,698; Sept. 8.
Dispenser, Gummed paper tape. H. F. Gilliam. 133,710; Sept. 8.
Display rack. E. P. May. 133,723; Sept. 8.
Dress. N. Carson. 133,762–3; Sept. 8.
Dress. E. Cutler. 133,764; Sept. 8.
Dress. J. J. Franck. 133,758; Sept. 8.
Dress. S. Franklin. 133,765; Sept. 8.
Dress. D. E. Gottlieb. 133,766; Sept. 8.
Dress. F. Greenberg. 133,767; Sept. 8.
Dress. B. Hoffmann. 133,768–9; Sept. 8.
Dress. H. May. 133,770; Sept. 8.
Dress. J. Moskowitz. 133,760–1; Sept. 8.
Dress. K. Rost. 133,771; Sept. 8.
Dress. H. H. Stahl. 133,772–3; Sept. 8.
Dress. P. Zahn. 133,774; Sept. 8.
Dress ensemble. M. F. Egbert. 133,748–9; Sept. 8.
Electric soldering device. B. P. McKinley. 133,724; Sept. 8.
Frame, Portable fuel dispenser. F. E. Neef, Jr. 133,715; Sept. 8.
Holder, Milk pail. E. S. Reid. 133,727; Sept. 8.
Horseshoe. G. A. A. King. 133,721; Sept. 8.
Jewelry finding. C. L. Thatcher. 133,706; Sept. 8.
Lace. R. Dannecker. 133,719; Sept. 8.
Monument. O. W. Anderson. 133,690; Sept. 8.
Mounting, Gem. L. Granat. 133,700; Sept. 8.
Package for hosiery. N. S. Illges. 133,720; Sept. 8.
Package, Tissue. W. Medoff. 133,714; Sept. 8.
Paper, Wrapping. J. W. Elder. 133,709; Sept. 8.
Pin or similar article. S. Philip. 133,751; Sept. 8.
Sachet and container, Combined. A. H. Newman. 133,716–17; Sept. 8.
Shoe. H. Henkel. 133,701; Sept. 8.
Shoe. H. L. Sutcliffe. 133,725; Sept. 8.
Sign, Neon tubular. D. McAfee and S. Gisnet. 133,702; Sept. 8.
Skirt, Tucked. M. Greendale. 133,733; Sept. 8.
Smoker, Cocktail. J. B. Ladd. 133,722; Sept. 8.
Sprayer, Power driven hand. N. A. Constantine. 133,708; Sept. 8.
Suction cleaner or similar apparatus. R. E. Kruck. 133,712–13; Sept. 8.
Table. H. G. Arnold. 133,691; Sept. 8.
Textile fabric or similar article. M. A. Susi. 133,754; Sept. 8.
Token or the like, Prayer. C. M. Connolly. 133,696; Sept. 8.
Trimming or similar article, Embroidered. H. Tobler. 133,755–6; Sept. 8.
Tube blank, Collapsible. H. Mock. 133,759; Sept. 8.
Wagon, Service. W. F. Andrick. 133,757; Sept. 8.
Wired chenille and felt stripping, Combined. B. Workman. 133,726; Sept. 8.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF SEPTEMBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Advertising device. J. W. Haley. 2,295,467; Sept. 8.
Advertising device. P. W. Seewald. 2,295,430; Sept. 8.
Air borne gyrocompass. F. D. Braddon. 2,295,254; Sept. 8.
Air conditioner. E. Mosher. 2,295,233; Sept. 8.
Air cooling system. F. P. Forman. 2,295,462; Sept. 8.
Aircraft. R. Tampier. 2,295,306; Sept. 8.
Aircraft landing system. A. Alford. 2,294,882; Sept. 8.
Airplane cockpit enclosure. J. R. Jerman. 2,295,345; Sept. 8.
Airplane control balancing system. E. R. Child. 2,295,159; Sept. 8.
Aldehydes, Manufacture of unsaturated. J. H. Brant. 2,294,955; Sept. 8.
Aligner, Fracture. M. H. Bloomberg. 2,295,253; Sept. 8.
Aligner gauge. C. I. Sandbo. 2,295,154; Sept. 8.
Aliphatic acids, Producing and distilling. R. L. Hasche. 2,294,984; Sept. 8.
Alloy: *See*—
Copper alloy.
Ammonium compound, Cetyl quaternary. R. S. Shelton. 2,295,504; Sept. 8.
Amplifier circuits, Sound recording. B. Kreuzer. 2,295,410; Sept. 8.
Anchor. R. H. Shepard, W. Haas and P. A. Schwartz. 2,295,431; Sept. 8.
Anchors, Method of and blank for manufacturing. H. W. Pleister. 2,295,127; Sept. 8.
Antenna. W. O. Spoon. 2,295,302; Sept. 8.
Apparatus for agitating and distributing liquids. J. A. Cann. 2,295,258; Sept. 8.
Apparatus for casting bullion blocks. L. Plass. 2,295,007; Sept. 8.
Apparatus for conditioning the surfaces of metal bodies. J. H. Bucknam, M. J. Harris, and A. J. Miller. 2,295,523; Sept. 8.
Apparatus for contouring the ends of tubular stock. J. S. McGuire. 2,295,229; Sept. 8.
Apparatus for feeding and bending box blanks. T. A. Federwitz. 2,295,461; Sept. 8.
Apparatus for heating bituminous materials. W. E. Grace and H. Strain. 2,295,106; Sept. 8.
Apparatus for manufacturing floor mats. D. R. Cotterman. 2,295,099; Sept. 8.
Apparatus for removing water from oil-circulating systems of internal combustion engines. P. E. Waugh. 2,295,097; Sept. 8.
Apparatus for separating suspended matter from liquids by means of electrostatic precipitation. A. Ibison. 2,295,476; Sept. 8.
Apparatus for surfacing roads. A. S. Millikin and H. M. Pickard. 2,295,519; Sept. 8.
Apparatus for treating yarn. C. F. Gram. 2,294,902; Sept. 8.
Apparatus for wall cementing. S. W. Mims. 2,295,418; Sept. 8.
Aqueous dispersing of neoprene, Gelling an. B. Dales. 2,295,030; Sept. 8.
Attachment for holding and stiffening merchandise packages. M. Garbaty. 2,295,465; Sept. 8.
Attachment for sewing machines, Gathering. G. Braf. 2,295,255; Sept. 8.
Automobile theft indicator. C. E. Kolias. 2,295,178; Sept. 8.
Auxiliary pump regulator. J. J. Gaballs and A. F. Schwendner. 2,294,975; Sept. 8.
Axle locking device, Emergency rear. C. Stegmeier. 2,295,492; Sept. 8.
Baler press. R. A. Openshaw. 2,294,929; Sept. 8.
Band control and signal for ovens, Automatic. H. O. Mercier. 2,294,996; Sept. 8.
Base structure. A. C. Grunwald. 2,295,281; Sept. 8.
Bearing: *See*—
Flexible bearing. Journal bearing.
Belt. W. L. Smith. 2,295,432; Sept. 8.
Belt, Power transmission. J. M. Cooney and W. B. Collier. 2,295,029; Sept. 8.
Belt structure, Conveyor. R. H. Sharpe. 2,295,133; Sept. 8.
Belt-tension control device. E. K. Hansen. 2,295,401; Sept. 8.
Beverage mixing machine. J. Kantor. 2,295,114; Sept. 8.
Blade spacer. H. N. Niebuhr. 2,294,927; Sept. 8.
Blowpipe head. A. E. Shorter. 2,295,522; Sept. 8.
Bolt and nut connection. J. Häfele. 2,295,466; Sept. 8.
Boom and bucket distributing apparatus for concrete mixers. C. F. Ball and L. G. Hilkemeier. 2,295,509; Sept. 8.
Box: *See*—
Folding box.
Box and hinge construction, Combined. H. G. Valentine. 2,295,494; Sept. 8.

Box gland, Stuffing. F. H. Sandherr. 2,295,490; Sept. 8.
Box supporting device. E. B. Clark. 2,295,333; Sept. 8.
Brake: *See*—
Electrodynamic brake. Railway brake.
Brake. R. J. Miller. 2,295,503; Sept. 8.
Brake gear safety device. R. B. Cottrell. 2,295,162; Sept. 8.
Brake shoe grinding machine and gauge. H. Thomason. 2,295,061; Sept. 8.
Bake structure. R. G. Le Tourneau. 2,295,224; Sept. 8.
Braking system, Fluid pressure. E. F. Loweke. 2,295,487; Sept. 8.
Building construction. S. S. Joy. 2,295,216; Sept. 8.
Building unit and wall fabricated therefrom, Structural corrugated. J. M. Brinker. 2,294,890; Sept. 8.
Bull control. E. L. Sparkman. 2,295,365; Sept. 8.
Burglar alarm clock. C. Kemp. 2,295,482; Sept. 8.
Burner: *See*—
Oil burner.
Bus structure. E. T. Arters. 2,295,377; Sept. 8.
Bushing, Igniter. J. H. Cox. 2,295,386; Sept. 8.
Cabinet: *See*—
Shower bath cabinet. Towel dispensing cabinet.
Solar bath cabinet.
Cabinet. J. B. Suomala. 2,295,368; Sept. 8.
Cabinet structure. E. S. Stoddard and P. K. Borman. 2,295,304; Sept. 8.
Cable: *See*—
Electrode power cable.
Cable and the like, Insulated electric. J. B. Lunsford. 2,294,919; Sept. 8.
Cake container. W. E. Jason, Jr. 2,295,478; Sept. 8.
Calcium carbonate pigment, Controlling particle size in manufacture of. H. F. Roderick. 2,295,291; Sept. 8.
Calculating device. P. Carroll, Jr. 2,295,497; Sept. 8.
Calculating machine. H. T. Avery. 2,294,948–9; Sept. 8.
Cap: *See*—
Closure cap.
Capacitor unit. H. Brooks. 2,295,331; Sept. 8.
Carbocyclic nitriles and their production. S. E. Jolly. 2,295,406; Sept. 8.
Carrier: *See*—
Package and article carrier.
Carton. B. J. Davidson. 2,294,964; Sept. 8.
Carton and match package, Cigarette. C. H. Harkleroad. 2,295,110; Sept. 8.
Catalytic re-forming of hydrocarbons. W. L. Benedict and W. J. Mattox. 2,295,197; Sept. 8.
Cathode-ray tube. R. C. Hergenrother. 2,295,038; Sept. 8.
Cellulose and the like, Manufacture of reactive forms of. C. O. Miller and A. E. Siehrs. 2,294,925; Sept. 8.
Cellulose with alkali metal amides in anhydrous liquid ammonia, Treatment of. C. O. Miller and A. E. Siehrs. 2,294,924; Sept. 8.
Centrifugal mold stopper. S. B. Ritchie. 2,294,935; Sept. 8.
Cevitamate compound. S. L. Ruskin. 2,294,937; Sept. 8.
Chair unit, Lounge. W. A. Moeller. 2,295,122; Sept. 8.
Chemical process and composition. A. B. Jennings. 2,294,909; Sept. 8.
Chip-cutting tool, Rotatable. K. A. Engvall and E. Gislén. 2,294,969; Sept. 8.
Circuit: *See*—
Motor circuit. Trunk hunting circuit.
Circuit breaker reclosing mechanism, High speed. C. Thumim. 2,295,309; Sept. 8.
Circuit controller. W. E. Smith. 2,295,301; Sept. 8.
Circuit controlling apparatus. E. A. Leach. 2,295,348; Sept. 8.
Circuit controlling apparatus. K. E. Schimkus. 2,295,295; Sept. 8.
Cleaner: *See*—
Vacuum cleaner.
Cleaning machine. J. F. Malsbary and W. W. Taylor. 2,295,228; Sept. 8.
Closure actuating and locking mechanism. C. E. Arthur. 2,295,324; Sept. 8.
Closure cap. A. M. Malluk. 2,294,922; Sept. 8.
Clothes hanger. C. W. Tritt. 2,295,370; Sept. 8.
Clutch: *See*—
Friction clutch.
Clutch mechanism. W. J. Moore, S. C. Winger, and L. K. Loehr. 2,295,181; Sept. 8.
Coating apparatus. C. R. Fordyce, W. F. Hunter, and K. G. Pleger. 2,295,394; Sept. 8.
Coating hopper. C. R. Fordyce. 2,295,280; Sept. 8.
Coin controlled dispensing device. J. J. Brady. 2,294,954; Sept. 8.

Coin tester. W. A. Tratsch and W. Patzer. 2,295,493; Sept. 8.
Collating machine. F. H. Blythe and L. W. Kuttler, Jr. 2,295,073; Sept. 8.
Collating machine. W. C. Rupp, L. W. Kuttler, Jr., and L. R. Johnson. 2,295,055; Sept. 8.
Colloidal mill. W. A. McLean. 2,295,121; Sept. 8.
Color correction. W. T. Hanson, Jr. 2,294,981; Sept. 8.
Color-matching device. C. W. Belden. 2,295,325; Sept. 8.
Communication exchange system. G. Deakin. 2,295,032; Sept. 8.
Commutator. E. J. Kreh, Jr. 2,295,409; Sept. 8.
Compensating precision brush holder. A. O. Bell, L. W. Vinal, and W. P.-G. Hall. 2,295,326; Sept. 8.
Composition of matter. T. S. Shelton. 2,295,505; Sept. 8.
Compression ignition engine. W. G. Maw. 2,295,120; Sept. 8.
Concentration in rigid articles, Determining strain. G. Ellis. 2,294,897; Sept. 8.
Confection products, from apple products, with milk, Making. F. C. Vilbrandt, R. D. Sieg, and T. F. Farrar. 2,295,020; Sept. 8.
Confessional. A. J. Jurcak. 2,294,912; Sept. 8.
Connector. R. T. Roth. 2,295,051; Sept. 8.
Constituents of natural gas, Selectively recovering desirable. J. L. Hall. 2,295,211; Sept. 8.
Construction assembly for bridge cranes. G. A. Mitchell. 2,294,999; Sept. 8.
Container: *See*—
Cake container. Shipping and display container.
Merchandise dispensing container.
Container. B. Altheimer. 2,295,508; Sept. 8.
Container. N. P. Van Wingen. 2,295,141; Sept. 8.
Contour machining tool. J. H. Smith. 2,295,135; Sept. 8.
Control apparatus. F. E. Adams and C. H. Thompson. 2,295,149; Sept. 8.
Control apparatus. M. W. Eaton. 2,295,456; Sept. 8.
Control apparatus. D. H. Mitchell. 2,295,232; Sept. 8.
Control device. R. S. Havenhill and H. C. O'Brien. 2,295,471; Sept. 8.
Control mechanism. F. Erny. 2,295,172; Sept. 8.
Control switch. B. E. Shaw. 2,295,240; Sept. 8.
Control system. E. J. Dillman. 2,295,455; Sept. 8.
Control system. J. W. McNairy and H. G. Moore. 2,295,285; Sept. 8.
Control system for induction motors. C. C. Clymer. 2,295,336; Sept. 8.
Control systems for capacitors, Automatic. W. H. Cuttino. 2,295,388; Sept. 8.
Cooker, Longitudinal roll. A. R. Thompson. 2,295,273; Sept. 8.
Cooling apparatus for electric lamps. P. B. Davis. 2,295,031; Sept. 8.
Cooling apparatus for electric lamps. E. B. Noel. 2,295,046; Sept. 8.
Copper alloy. E. G. Mitchell. 2,295,180; Sept. 8.
Copper powder. J. E. Drapeau, Jr., and C. R. Rogers. 2,294,895; Sept. 8.
Cord for looms, Harness. A. M. Owen. 2,295,423; Sept. 8.
Coupling: *See*—
Flexible drive coupling. Trailer coupling.
Hose coupling.
Coupling apparatus and method, Fluid. G. M. Kleucker. 2,295,087; Sept. 8.
Cover for storage battery cells, Nonflood. R. G. Le-Clercq. 2,295,223; Sept. 8.
Crane, Jib. G. A. Mitchell. 2,294,998; Sept. 8.
Crimping device. J. T. Fagan. 2,295,033; Sept. 8.
Crossing gate, Automatic. S. Miskelly. 2,295,419; Sept. 8.
Current limiting device. E. H. Armstrong. 2,295,323; Sept. 8.
Cutting machine, Pipe. J. Norton. 2,295,182; Sept. 8.
Cylinder, Master. C. V. Gardiner. 2,294,976; Sept. 8.
Damper for sensitive instruments, Universal oscillation. F. D. Braddon. 2,295,198; Sept. 8.
Damper operating auxiliary, Exhaust fan. R. J. Seator. 2,295,239; Sept. 8.
D'arsonval mechanism construction. L. J. Lunas. 2,295,413; Sept. 8.
Denture, Removable. N. Chayes. 2,295,201; Sept. 8.
Diaphragm, Cervical. G. W. Townsend. 2,295,062; Sept. 8.
Die for cake droppers, Cutoff. O. H. Callicott. 2,295,027; Sept. 8.
Die for ornamenting parts on shoe uppers, Cutting. C. S. Knight. 2,295,089; Sept. 8.
Diesel engine injector. A. S. Harvath. 2,295,081; Sept. 8.
Differential fluid meter. O. J. Leone. 2,295,485; Sept. 8.
Dispenser. R. E. Newby. 2,295,353; Sept. 8.
Dispensing means. M. Goldberg. 2,294,979; Sept. 8.
Distillation of liquid mixtures, more particularly petroleum, Process and device for fractional. A. J. Brugma. 2,295,256; Sept. 8.
Dividing machine. J. W. Bryce and A. H. Dickinson. 2,295,448; Sept. 8.
Door holder. S. P. Morgen. 2,295,421; Sept. 8.
Door lock and latch. E. L. Teich. 2,295,435; Sept. 8.
Door protecting and closing mechanism, Storm. J. L. Cameron. 2,295,496; Sept. 8.
Doorbell with pad, Lighted. A. V. Thompson. 2,295,369; Sept. 8.
Drain valve. P. W. Brower. 2,295,154; Sept. 8.
Dress for molding plastic material. R. J. Kaula. 2,295,220; Sept. 8.
Drier: *See*—
Electric drier. Hat drier.
Drill: *See*—
Electric drill.
Drill grinder. G. R. Morris. 2,295,265; Sept. 8.
Drilling mud composition. M. Williams. 2,295,067; Sept. 8.
Drum snares. L. J. Jeffries. 2,295,479; Sept. 8.
Dual-drive tandem rear-axle vehicle. C. R. Holmstrom. 2,295,213; Sept. 8.
Dustproof switch. H. T. Lamb. 2,295,261; Sept. 8.
Dye, Azo. W. B. Reynolds, S. S. Rossander, and D. E. Kvalnes. 2,295,050; Sept. 8.
Dye for photographic layers. B. H. Carroll and J. J. Chechak. 2,294,892–3; Sept. 8.
Dyestuffs and coloring. G. H. Ellis and F. Brown. 2,294,968; Sept. 8.
Dynamoelectric machine. F. J. Johns. 2,295,404; Sept. 8.
Electric clock system. R. F. Massonneau. 2,294,923; Sept. 8.
Electric cutout. B. R. Hermann. 2,295,343; Sept. 8.
Electric cutout. H. M. Towne. 2,295,310; Sept. 8.
Electric discharge device. E. J. Allen. 2,295,320; Sept. 8.
Electric discharge lamp. A. Lompe and M. Reger. 2,295,043; Sept. 8.
Electric drier. E. S. Hewitt. 2,294,904; Sept. 8.
Electric drill, Portable. H. T. Lamb. 2,295,262; Sept. 8.
Electric motor drive for industrial trucks. C. E. Cochran. 2,295,076; Sept. 8.
Electric signal-responsive device. E. A. H. Bowsher. 2,295,025; Sept. 8.
Electric soldering tool. C. F. Barnum. 2,295,195; Sept. 8.
Electric switch. A. E. Baak. 2,295,151; Sept. 8.
Electric switch. A. A. Bluemle. 2,294,953; Sept. 8.
Electric switch mechanism. N. W. Coffey. 2,295,259; Sept. 8.
Electric switchgear. F. D. Johnson and A. L. Cumming. 2,295,405; Sept. 8.
Electric system and indicating circuit therefor. G. L. Rogers. 2,295,293; Sept. 8.
Electric wave system. L. W. Hussey. 2,294,908; Sept. 8. Sept. 8.
Electrical apparatus. H. L. Prescott. 2,295,355; Sept. 8.
Electrical apparatus. F. J. Vogel. 2,295,371; Sept. 8.
Electrical circuits, Step-wise tuning of. E. L. Hoffmann and D. L. Fetterman. 2,295,173; Sept. 8.
Electrical connecting apparatus. J. H. Sulzer. 2,295,367; Sept. 8.
Electrical contact members, Making. J. K. Ely 2,295,338; Sept. 8.
Electrical indicating apparatus. C. C. S. Le Clair. 2,295,118; Sept. 8.
Electrical musical instrument. J. M. Hanert. 2,295,524; Sept. 8.
Electrical protective device. S. B. Griscom. 2,295,398; Sept. 8.
Electrical socket. M. Alden. 2,294,880; Sept. 8.
Electrical switch. H. B. Rudd. 2,295,054; Sept. 8.
Electrically heated lunch kit. F. J. King. 2,295,221; Sept. 8.
Electricity in printing operations, Eliminating. E. O. Smith. 2,295,134; Sept. 8.
Electroacoustical apparatus. L. J. Anderson. 2,295,376; Sept. 8.
Electrode power cable. C. A. Piercy and M. Guarnier. 2,295,290; Sept. 8.
Electrodynamic brake. M. E. Thompson. 2,295,019; Sept. 8.
Electromagnetic device. E. Dickten, Jr. 2,295,390; Sept. 8.
Electron lens and alignment, Apertured. J. Hillier. 2,295,403; Sept. 8.
Electronic device. R. H. George. 2,295,396; Sept. 8.
Emulsions, Breaking petroleum. M. De Groote and B. Keiser. 2,295,164–5; Sept. 8.
Enamel containing zirconium and preparing same, Vitreous. M. Paquet. 2,294,931; Sept. 8.
Engine: *See*—
Internal combustion engine. Rotary engine.
Engine ignition mechanism. C. W. Rogers. 2,294,936; Sept. 8.
Engine starting mechanism. R. M. Nardone. 2,295,288–9; Sept. 8.
Esters, Unsaturated. T. F. Bradley. 2,295,513; Sept. 8.
Ethanol fermentation of blackstrap molasses. R. Arroyo. 2,295,150; Sept. 8.
Explosionproof lamp. E. O. Ericson. 2,295,339; Sept. 8.
Extension leaf table. W. D. Teague, Jr. 2,295,094–6; Sept. 8.
Eyeshade. O. Blodjer. 2,294,952; Sept. 8.
Fabric and product thereof, Treating. L. B. Sebrell. 2,295,429; Sept. 8.
Fan mounting. A. H. Davis, Jr., and E. O. Martinson. 2,295,451; Sept. 8.

Fastener. E. L. Mack. 2,295,488; Sept. 8.
Fastener for doors and the like, Hook. R. W. Schneider. 2,295,360; Sept. 8.
Fastener for handles and other installations. C. A. Woodward. 2,295,444; Sept. 8.
Fastener member and fastener installation. W. H. Churchill. 2,295,449; Sept. 8.
Faucet. R. J. Anschicks. 2,295,445; Sept. 8.
Feed and rapid traverse mechanism. W. F. Groene and G. W. Luning. 2,295,079; Sept. 8.
Fence. P. Schenk. 2,295,056; Sept. 8.
Fence, Fabricated. J. H. Schuck. 2,295,271; Sept. 8.
Fibrous material, Continuous manufacture of. J. Page. 2,294,932; Sept. 8.
Field ring. V. L. Darnell. 2,295,203; Sept. 8.
Filing and finding system, Selective. R. O. Griffin. 2,294,903; Sept. 8.
Film printing, Sound. D. O. Landis. 2,295,411; Sept. 8.
Film splicing apparatus, Attachment for. D. L. Babcock. 2,294,950; Sept. 8.
Filter element, Nasal. E. W. Anderson. 2,295,321; Sept. 8.
Fish lure. C. E. and C. L. Fehringer. 2,294,971; Sept. 8.
Fish lure. F. Rogers. 2,295,292; Sept. 8.
Fish plug. R. L. Llewellyn. 2,295,042; Sept. 8.
Flag holder. T. E. Hynek. 2,294,986; Sept. 8.
Flashing system for indicating lamps. T. J. Judge and H. J. Pearce. 2,295,217; Sept. 8.
Flexible bearing. E. Topanelian, Jr. 2,295,139; Sept. 8.
Flexible drive coupling. E. N. Natkins. 2,295,003; Sept. 8.
Flotation process. S. E. Erickson. 2,295,459; Sept. 8.
Fluid distribution system, Isostatic. T. A. Baker. 2,295,251; Sept. 8.
Fluid drive for motorcycles. W. V. Maze. 2,294,994; Sept. 8.
Fluid movement with precipitation. W. H. Bennett. 2,295,152; Sept. 8.
Fluid treatment diffuser element. C. E. Ford. 2,294,973; Sept. 8.
Folding box. R. W. Hoag. 2,295,515; Sept. 8.
Freight, Mechanism for transferring. R. A. Norbom. 2,294,928; Sept. 8.
Friction clutch. B. Jacoby. 2,295,344; Sept. 8.
Fuel consumption indicator. P. R. Gowen. 2,294,901; Sept. 8.
Fuel for internal combustion engines. P. A. Gulles and B. R. Vaughan. 2,295,209; Sept. 8.
Fuse device. W. O. Schultz and A. G. Steinmayer. 2,295,015; Sept. 8.
Game apparatus. C. U. Deaton. 2,295,452; Sept. 8.
Garment, Infant's outer. S. M. Ullrich. 2,295,140; Sept. 8.
Gases, Treatment of hydrocarbon. E. F. Nelson. 2,295,125; Sept. 8.
Gate: *See*—
Crossing gate.
Gauge: *See*—
Aligner gauge.
Brake shoe grinding machine and gange.
Glove, Work. W. O. Wells, Jr., and A. H. Mason. 2,295,507; Sept. 8.
Governor, Speed. J. M. Weydell. 2,295,147; Sept. 8.
Grandstand or bleacher, Portable. R. A. Uecker, D. E. Beatty, and L. C. Oertle. 2,295,311; Sept. 8.
Granular material, Increasing the density of a mass of. D. W. Ross. 2,295,294; Sept. 8.
Grinder and slicer. E. E. Hornung. 2,295,174; Sept. 8.
Grinding mill. P. Hollstein and G. Jack. 2,295,473; Sept. 8.
Guard for containers. I. D. Sillman and H. A. Shane. 2,295,300; Sept. 8.
Guard for fishing lures, Weed. L. D. Adam. 2,295,375; Sept. 8.
Guide in push benches, Mandrel. H. Heetkamp. 2,295,500; Sept. 8.
Gun and target toy, Machine. R. J. Lohr and R. N. Carver. 2,295,225; Sept. 8.
Gyroscopic artificial horizon. L. F. Carter. 2,295,158; Sept. 8.
Handle: *See*—
Tap handle.
Hanger: *See*—
Clothes hanger.
Hat drier. A. O. Hurxthal. 2,295,475; Sept. 8.
Hat ironing machine. S. J. Miller. 2,295,230; Sept. 8.
Head traverse mechanism for radial drills. W. G. Hoelscher. 2,295,516; Sept. 8.
Headframe for scaffolding. J. M. Lavin. 2,294,993; Sept. 8.
Heat treating. H. E. Somes. 2,295,272; Sept. 8.
Heater: *See*—
Razor strop holder and heater.
Retractable water heater.
Heater. J. N. Garrison and J. H. Henzel. 2,294,977; Sept. 8.
Heater. E. Lamb. 2,295,502; Sept. 8.
Heating device. L. A. Burrows, R. W. H. Gentry, and D. L. Lewis, Jr. 2,295,075; Sept. 8.
Heating-furnace work-carrying skid. C. J. Horn. 2,295,474; Sept. 8.
Heating system. J. C. Sharp. 2,295,298; Sept. 8.
Heel, Detachable. C. Schreck. 2,295,491; Sept. 8.
High frequency impedance unit. A. Alford. 2,294,881; Sept. 8.
Hinge and latch mechanism for sofa beds. J. Jonassen. 2,295,083; Sept. 8.
Holder: *See*—
Compensating precision brush holder.
Door holder.
Flag holder.
Key holder.
Tie plate and rail anchor holder.
Honey pectin composition, Preparing homogeneous. J. E. Walker. 2,295,274; Sept. 8.
Hood, Protecting. D. C. Andrews. 2,295,279; Sept. 8.
Hook for sewing machines, Lubricated. W. L. Barron. 2,295,511; Sept. 8.
Hookup apparatus, Welt bar. G. Bitzer. 2,295,512; Sept. 8.
Hormones and preparing same, Oxygenated estrogenic. E. Schwenk. 2,294,938; Sept. 8.
Hose coupling. B. C. Carlson. 2,294,960; Sept. 8.
Housing. G. N. Slezskinsky. 2,295,241; Sept. 8.
Hydraulic control mechanism. H. C. Clay. 2,295,161; Sept. 8.
Hydraulic testing machine. H. Yates. 2,295,249; Sept. 8.
Identification device. A. Pursell. 2,294,933; Sept. 8.
Illuminated platen. C. V. Gutensohn. 2,295,210; Sept. 8.
Implement, Agricultural. C. C. Black. 2,295,329; Sept. 8.
Index, Compensating. W. G. Wessman. 2,295,247; Sept. 8.
Indicator: *See*—
Automobile theft indicator.
Fuel consumption indicator.
Indicator. F. L. Creager. 2,295,387; Sept. 8.
Inductance device, Continuously variable. C. T. Cole, Jr. 2,295,384; Sept. 8.
Inspection device. G. P. Stout. 2,295,366; Sept. 8.
Instrument, Directional. P. Kollsman. 2,294,990; Sept. 8.
Instrument for toothed wheels, Testing. F. W. Fraumann and H. E. Kitchen. 2,295,206; Sept. 8.
Instrument, Surge measuring. C. F. Wagner and G. D. McCann, Jr. 2,295,312; Sept. 8.
Instrument, Two-rate. B. E. Lenehan. 2,295,349; Sept. 8.
Insulated structure. C. O. Friedly. 2,295,103; Sept. 8.
Interchangeable letter sign. J. R. Starnes. 2,295,188; Sept. 8.
Internal combustion engine. H. O. Hedges. 2,295,037; Sept. 8.
Internal combustion engine. M. Tendler. 2,295,436; Sept. 8.
Invalid support. H. B. Philips. 2,295,006; Sept. 8.
Iron: *See*—
Pressing iron.
Ironing machine. E. N. Hurley, Jr. 2,295,112; Sept. 8.
Jig, Universal drill. F. Yanchek. 2,295,022; Sept. 8.
Joint: *See*—
Rod joint.
Joint. T. L. Yates. 2,295,316; Sept. 8.
Journal bearing. R. J. Shoemaker and C. M. House. 2,294,939; Sept. 8.
Key ejector. F. F. Rathbun. 2,295,356; Sept. 8.
Key holder. J. Mudrich. 2,295,123; Sept. 8.
Kit, Field toilet. O. N. Kelley. 2,295,347; Sept. 8.
Knitted fabrics, Making. R. Kretser. 2,294,916; Sept. 8.
Knitting apparatus. R. Kretser. 2,294,917; Sept. 8.
Knitting machine. B. T. Cole. 2,295,450; Sept. 8.
Laminated products, Decorative. S. B. Collins. 2,295,028; Sept. 8.
Lamp: *See*—
Electric discharge lamp.
Explosion proof lamp.
Traffic signal lamp.
Lamp for motor vehicles, Direction signal. H. J. Sauer. 2,295,428; Sept. 8.
Land vehicle. W. L. Keehn. 2,295,085; Sept. 8.
Latch: *See*—
Door lock and latch.
Lead trinitroresorcinate and double salts thereof, Manufacture of normal. F. M. Garfield. 2,295,104; Sept. 8.
Light: *See*—
Vehicle signal light.
Light fixture and mirror, Combination. E. D. Pellegrin and H. H. Ring. 2,295,268; Sept. 8.
Lighter for gas burners. E. H. Mueller. 2,295,002; Sept. 8.
Lighter structure for gas burners. E. H. Mueller. 2,295,001; Sept. 8.
Lining, Felt. F. M. Allen. 2,295,070; Sept. 8.
Liquid controlled structure. O. K. Owen, Jr. 2,295,004; Sept. 8.
Liquid indicator apparatus. A. E. Jurs. 2,295,218; Sept. 8.
Lock: *See*—
Burglar alarm lock.
Lock. C. J. McCormick. 2,295,417; Sept. 8.
Locking device for rudder control systems. G. V. Holloman, C. L. Paulus, and R. K. Stout. 2,294,906; Sept. 8.
Loop control system. W. I. Bendz. 2,295,327; Sept. 8.
Loudspeaker. H. S. Knowles. 2,295,483; Sept. 8.
Lubricating composition and modified addition agent therefor. C. M. Loane. 2,295,179; Sept. 8.
Lubricating composition and modified addition agents for the same. M. H. Arveson. 2,295,192; Sept. 8.

Machine for and method of applying covers to containers. A. F. Pityo. 2,295,049; Sept. 8.
Machine for hardening gears. E. W. Bullock and J. V. Fidd. 2,294,891; Sept. 8.
Machine for stringing washers and the like, Automatic. C. Hall and F. Hall. 2,295,469; Sept. 8.
Machine for testing spark plugs. W. C. Denison, Jr. 2,295,453; Sept. 8.
Magnet and making the same, Permanent. G. B. Jonas. 2,295,082; Sept. 8.
Magnetic measurements and inspection, Device for. P. H. Brace. 2,295,382; Sept. 8.
Marking device, Survey. L. Schwarzmayr. 2,295,186; Sept. 8.
Mask, Stenciling. C. Radtke and H. Bellman. 2,295,128; Sept. 8.
Massage appliance, Gum. L. L. Fuller. 2,294,900; Sept. 8.
Massaging device. M. Andis. 2,294,947; Sept. 8.
Mat, Revetment. J. B. Neely and C. P. Guth. 2,295,422; Sept. 8.
Material handling apparatus. J. F. Joy. 2,294,911; Sept. 8.
Measurement device. W. Bierman. 2,295,447; Sept. 8.
Measuring device, Force. H. Brown and J. H. Martin. 2,295,026; Sept. 8.
Mechanical movement. N. Weiner. 2,295,144; Sept. 8.
Mechanism for delivering pulverized material. H. G. Lykken. 2,294,921; Sept. 8.
Mechanism for electric switches, Operating. G. J. Meuer. 2,295,517–8; Sept. 8.
Mechanism for grinding machines, Infeeding. A. J. Graf and W. T. Septant. 2,295,342; Sept. 8.
Mechanism for magazine phonographs, Automatic stop. F. J. Offen. 2,295,092; Sept. 8.
Medicinal product. A. Barol. 2,294,889; Sept. 8.
Merchandise dispensing container. A. C. Weir. 2,295,313; Sept. 8.
Metal casting. N. M. Campbell and D. J. Campbell. 2,294,959; Sept. 8.
Metal castings, Device for casting endless. S. Junghans. 2,295,041; Sept. 8.
Metal, Manufacture of magnesium. G. H. Gloss and R. E. Clarke. 2,295,105; Sept. 8.
Metal shaper. J. H. Schreiber and F. H. Dean. 2,295,130; Sept. 8.
Metal surfaces on backing metals, Forming bearing. C. M. Angel. 2,294,886; Sept. 8.
Metallurgical slags, Treating. B. M. S. Kalling and P. G. L. Brannstrom. 2,295,219; Sept. 8.
Metals, Casting. F. J. Mackett, Jr. 2,295,227; Sept. 8.
Metals, Metallurgy of ferrous. F. H. Clark and R. F. Dirkes. 2,295,334; Sept. 8.
Metals, Resurfacing of. T. Dockray. 2,295,204; Sept. 8.
Meter: *See*—
Differential fluid meter.
Meter and method, Null type. W. N. Tuttle. 2,294,941; Sept. 8.
Microwave device. I. Wolff. 2,295,315; Sept. 8.
Mill: *See*—
Colloidal mill.
Grinding mill.
Tandem rolling mill.
Mill with operating rolls and supporting rolls, Rolling. B. Fagerstrom and K. W. A. Lundstrom. 2,294,970; Sept. 8.
Mineral oils, Refining of. R. F. Pfennig. 2,295,048; Sept. 8.
Mirror backing. M. Skolnix. 2,294,940; Sept. 8.
Mixer. C. J. Stiers. 2,295,136; Sept. 8.
Mixer for plastic material. C. F. Schnuck. 2,295,362; Sept. 8.
Mixer for plastic material, Single rotor. C. F. Schnuck. 2,295,361; Sept. 8.
Modulating system. D. G. C. Luck. 2,295,351; Sept. 8.
Mop, Wet. S. Wallace. 2,294,943; Sept. 8.
Motion picture viewer, Stereo. D. B. Steinman. 2,295,243; Sept. 8.
Motor: *See*—
Multiply synchronous motor.
Outboard motor.
Polyphase shunt commutator motor.
Motor and slack adjuster, Combined fluid. W. R. Freeman. 2,294,974; Sept. 8.
Motor circuit. C. M. Summers. 2,295,305; Sept. 8.
Motor control, Synchronous. W. R. Wickerham. 2,295,373; Sept. 8.
Mounting: *See*—
Fan mounting.
Plate mounting.
Mounting for abrasive wheels, Resilient. A. W. Mall. 2,295,282; Sept. 8.
Multiply synchronous motor. E. Michelsen. 2,295,286; Sept. 8.
Musical instrument strings, Packaging. S. Kaplan. 2,295,260; Sept. 8.
Napkin, Sanitary. C. A. Fourness and E. H. Voigiman. 2,294,898–9; Sept. 8.
Napkin, Sanitary. E. H. Voigtman. 2,295,439; Sept. 8.
Needle, Sewing machine. J. W. Alexander. 2,295,193; Sept. 8.
Nozzle, Suction. G. A. Peterson. 2,295,354; Sept. 8.
Nut device. F. E. Johnson. 2,295,480; Sept. 8.
Nut, Lock. O. J. Poupitch. 2,295,234; Sept. 8.
Oil burner. D. A. Jones. 2,295,501; Sept. 8.
Oil dyes, Preparing lubricating. G. R. Gilbert and A. A. Peer. 2,295,035; Sept. 8.
Oils containing organic trisulphides as oxidation inhibitors, Hydrocarbon. R. Rosen and R. M. Thomas. 2,295,053; Sept. 8.
Oils, Finishing mineral white. F. M. Archibald. 2,294,884; Sept. 8.
Optical projection apparatus. C. W. Hansel. 2,295,470; Sept. 8.
Ores, Reducing. F. Hodson, C. Yu Wang, and P. Hodson. 2,295,039; Sept. 8.
Outboard motor. W. L. Kissel. 2,295,086; Sept. 8.
Oven bands, Centering device for. J. A. Casselli. 2,294,962; Sept. 8.
Package and article carrier. C. W. Watkins. 2,295,143; Sept. 8.
Package and method of wrapping. M. J. Milmoe and E. A. Siebert. 2,295,231; Sept. 8.
Package and packaging. C. G. Muench. 2,295,287; Sept. 8.
Package attachment. M. Garbaty. 2,295,464; Sept. 8.
Package construction for knitting needles. E. W. Slingsby. 2,295,242; Sept. 8.
Package with mount. F. G. Steiner. 2,295,018; Sept. 8.
Packaging articles, Process and apparatus for. W. S. Cloud. 2,295,335; Sept. 8.
Packing assembly. G. Christenson. 2,295,160; Sept. 8.
Pad: *See*—
Sanitary pad.
Paraffine scraper. J. A. Smethers. 2,195,058; Sept. 8.
Percolator, Coffee. B. J. Steinmetz. 2,295,433; Sept. 8.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,295,163–70; Sept. 8.
Phenothiazine, Purifying. E. C. Britton and J. E. Eisenman. 2,295,074; Sept. 8.
Phenothiazine suspension. J. A. Austin. 2,294,888; Sept. 8.
Phonograph trip mechanism. F. R. Farrow, Jr. 2,295,460; Sept. 8.
Photocopying apparatus. P. Landrock and A. W. Caps. 2,294,992; Sept. 8.
Photoflash unit. A. C. Ansley. 2,295,071; Sept. 8.
Photographic color films, Developing multilayer. K. Schinzel. 2,295,013; Sept. 8.
Photographic color forming compound. H. D. Porter and A. Weissberger. 2,295,008–9; Sept. 8.
Photographic emulsion. G. Wilmanns and O. Riester. 2,295,276; Sept. 8.
Photographs, Making colored. A. M. Gundelfinger. 2,295,107; Sept. 8.
Pickle separating machine. H. H. and W. J. C. Zenge. 2,295,190; Sept. 8.
Pile driving head construction. E. W. Riemenschneider. 2,295,489; Sept. 8.
Pillow. J. F. Schott. 2,295,363; Sept. 8.
Pilot for burners, Safety. H. C. Mettler. 2,295,045; Sept. 8.
Pipe section, Flexible. C. F. Ball and C. I. Longenecker. 2,295,510; Sept. 8.
Pipe, Wrapping. W. D. Moore. 2,295,420; Sept. 8.
Piston. G. Carvelli. 2,295,199; Sept. 8.
Piston head assembly. F. E. Payne and T. L. Gatke. 2,295,521; Sept. 8.
Planter. W. E. Bland. 2,295,380; Sept. 8.
Plastic sheeting, Preventing abrasion of. E. H. Hilborn. 2,294,985; Sept. 8.
Plate mounting. H. F. Affelder. 2,294,879; Sept. 8.
Plug: *See*—
Fish plug.
Plumbing construction. J. Madison. 2,295,416; Sept. 8.
Plywood panel unit, Prefabricated. L. H. Wittner. 2,295,248; Sept. 8.
Pocket. W. J. Potter. 2,295,425; Sept. 8.
Polish. T. E. Sharp and G. W. Flint. 2,295,132; Sept. 8.
Polyphase shunt commutator motor. B. Adkins. 2,295,319; Sept. 8.
Pottery ware, Manufacture of appendaged. W. J. Miller. 2,294,926; Sept. 8.
Power bender. W. J. Hall. 2,295,108; Sept. 8.
Power transmission. R. M. Shaw, Jr. 2,295,299; Sept. 8.
Preheater for aircraft. J. T. King. 2,295,177; Sept 8.
Press: *See*—
Baler press.
Press stop, Automatic. C. C. Green. 2,295,078; Sept. 8.
Pressing iron. F. E. Finlayson. 2,295,341; Sept. 8.
Pressing machine. H. E. Page. 2,295,126; Sept. 2.
Pressure regulator. M. H. Grove. 2,295,208; Sept. 8.
Pretzel making machine. M. F. Welda. 2,295,246; Sept. 8.
Printing machine, Multiform. J. A. B. Peak and F. Kautzman. 2,295,267; Sept. 8.
Printing plate preparation. W. H. Wood. 2,294,944; Sept. 8.
Printing press and method of printing therewith. W. F. Grupe. 2,295,080; Sept. 8.
Propeller blade. P. Di Cesare. 2,295,454; Sept. 8.
Protective coating. J. N. Tuttle. 2,295,063; Sept. 8.
Protective device. R. S. Bennett. 2,295,328; Sept. 8.
Protective device. G. F. Lincks. 2,295,350; Sept. 8.
Protective system. E. D. Schneider. 2,295,297; Sept. 8.
Puller for fishlines, Automatic line. J. Zenewich. 2,295,250; Sept. 8.
Pulley. W. E. Baker. 2,294,951; Sept. 8.

Pulp, Alpha cellulose. H. L. Joachim. 2,295,215; Sept. 8.
Pulverizing machine. H. G. Lykken. 2,294,920; Sept. 8.
Pump. B. C. Boeckeler. 2,295,024; Sept. 8.
Pump impeller. F. Picut. 2,295,424; Sept. 8.
Push-push operating mechanism for electric switches. A. W. Krieger. 2,295,484; Sept. 8.
Radiation with luminescent materials, Combination of sources of. H. G. Jenkins and J. W. Ryde. 2,295,040; Sept. 8.
Radio controlling means, Automatic. A. F. Schumert. 2,295,057; Sept. 8.
Radio direction finder. D. G. Little. 2,295,412; Sept. 8.
Radio receiving apparatus. J. J. Adams. 2,295,191; Sept. 8.
Rail bond. R. C. Raasch. 2,294,934; Sept. 8.
Rails, Cutting. G. N. Rosa. 2,295,052; Sept. 8.
Railway brake. C. E. Tack. 2,295,244; Sept. 8.
Rake, Sweep. H. H. Meyer. 2,295,091; Sept. 8.
Range platform. A. Barnsteiner. 2,295,378; Sept. 8.
Razor strop holder and heater, Combination. W. V. Kommer. 2,294,991; Sept. 8.
Receiving system. W. D. Buckingham. 2,294,956; Sept. 8.
Receptacle: *See*—
Switch receptacle.
Reclosing machine, High speed. C. Thumim. 2,295,307; Sept. 8.
Reclosing mechanism, High speed. C. Thumim. 2,295,308; Sept. 8.
Reflector, Reflex light. P. V. Palmquist. 2,294,930; Sept. 8.
Refrigerants, Distributing liquid. G. M. Kleucker. 2,295,088; Sept. 8.
Refrigerating apparatus. D. L. Kaufman. 2,294,988; Sept. 8.
Refrigerating mechanism. G. Muffly. 2,295,124; Sept. 8.
Refrigeration. H. M. Ullstrand. 2,295,064; Sept. 8.
Refrigerator. W. D. Jordan and P. D. Van Vliet. 2,295,113; Sept. 8.
Register assembly. L. W. Welch. 2,295,145–6; Sept. 8.
Regulating system. D. W. Exner. 2,295,393; Sept. 8.
Regulator: *See*—
Auxiliary pump regulator. Temperature regulator.
Pressure regulator.
Regulator. R. A. Geiselman. 2,295,397; Sept. 8.
Regulator for continuous mills, Sheet thickness. C. R. Hanna. 2,295,399; Sept. 8.
Release for spring applied brakes, Emergency. J. D. Barr. 2,295,196; Sept. 8.
Remote control device. K. Wilhelm. 2,295,442; Sept. 8.
Remote control switch. W. F. Woodin. 2,295,068; Sept. 8.
Resilient means. F. G. Suckow. 2,295,093; Sept. 8.
Resilient wheel. E. H. Piron. 2,295,270; Sept. 8.
Respirator. R. Malcolm and W. A. Whipple. 2,295,119; Sept. 8.
Respirator. C. F. Schmidt. 2,295,206; Sept. 8.
Retractable undercarriage for airplanes and the like. R. L. Levy. 2,294,918; Sept. 8.
Retractable water heater. J. H. Keller. 2,295,115; Sept. 8.
Rice product, Production of a cooked and puffed. J. L. Kellogg, Jr. 2,295,116; Sept. 8.
Ring: *See*—
Field ring.
Rink construction. H. Vetter. 2,295,142; Sept. 8.
Road sanding apparatus. A. C. Hopkins. 2,295,472; Sept. 8.
Rod joint, Adjustable. D. A. Eberhardt. 2,294,967; Sept. 8.
Roller leveler. W. D. Shields. 2,295,017; Sept. 8.
Rosin, Producing. J. O. Reed. 2,295,235; Sept. 8.
Rotary engine. J. S. Koester. 2,295,117; Sept. 8.
Rotor for vibrating devices. A. W. Mall. 2,295,283; Sept. 8.
Roughing tool. W. R. Young. 2,295,317; Sept. 8.
Rubber heels, Method of and apparatus for trimming. C. S. Knight. 2,295,090; Sept. 8.
Rubber hydrochloride, Forming. R. J. Welkert. 2,295,066; Sept. 8.
Safety Device. A. J. Wiedinger. 2,295,441; Sept. 8.
Sampling device. L. L. Thompson. 2,295,437; Sept. 8.
Sanitary pad, Disposable absorbent. M. E. Scribner. 2,295,016; Sept. 8.
Saw apparatus, Rotary. L. J. Gilg. 2,294,978; Sept. 8.
Scaffolding. A. Perreault. 2,295,183; Sept. 8.
Schedule device, Advertising. R. J. Fisher. 2,295,102; Sept. 8.
Screen. C. Dreyfus. 2,294,966; Sept. 8.
Screen repair apparatus. Method of and apparatus for producing. A. B. Carlson. 2,295,157; Sept. 8.
Scrubbing mediums by means of aminophenol derivatives, Improving. L. J. Figg, Jr., and E. E. Shaulis. 2,294,972; Sept. 8.
Seal for liquid treating apparatus. F. G. Cornell, Jr. 2,295,098; Sept. 8.
Selector-calculator, Rapid. R. S. Morse. 2,295,000; Sept. 8.
Separation apparatus. G. S. Dunham. 2,295,101; Sept. 8.
Setscrew. E. C. Whitney. 2,295,314; Sept. 8.
Sewage treatment apparatus. A. C. Durdin, Jr. 2,295,391; Sept. 8.
Shade or drape, Window. H. M. Sutton. 2,295,137; Sept. 8.
Shank stiffener. E. G. Hathaway. 2,294,982; Sept. 8.
Shears, Pruning. C. J. Connors. 2,295,385; Sept. 8.
Sheave for elevators, Compensating. E. M. Bouton. 2,295,381; Sept. 8.
Sheet feeding apparatus. L. R. Stalder. 2,295,060; Sept. 8.
Sheet making apparatus. E. M. Kratz. 2,294,915; Sept. 8.
Sheet registering mechanism for printing machines. M. S. Gudger and E. W. Goodwin. 2,294,980; Sept. 8.
Shipping and display container. B. J. Davidson. 2,294,965; Sept. 8.
Shoe. C. J. Hamel. 2,295,212; Sept. 8.
Shoe arch support, Adjustable. H. Skorepa. 2,295,364; Sept. 8.
Shoe lengthener. J. J. Schiller. 2,295,350; Sept. 8.
Shoes, Last for. J. Amico. 2,294,885; Sept. 8.
Shower bath cabinet. P. W. Kerr. 2,294,914; Sept. 8.
Shutter, Photographic. W. A. Riddell. 2,295,010; Sept. 8.
Sight, Bore. H. P. Kaufman. 2,294,913; Sept. 8.
Sign: *See*—
Interchangable letter sign.
Signal device for vehicles. C. Le Bleu. 2,295,263; Sept. 8.
Signal receiving system, Two-band. W. L. Carlson. 2,295,383; Sept. 8.
Signal transmission system, Two-way. B. G. Björnson, 2,295,153; Sept. 8.
Signaling and communication system. J. B. Johnson. 2,294,910; Sept. 8.
Skewback. C. H. Aldrich. 2,294,946; Sept. 8.
Ski edge. W. F. Serr. 2,295,185; Sept. 8.
Slider for slide fasteners, Automatic side lock. N. J. Poux. 2,295,426; Sept. 8.
Slip, Lady's and girl's shadowproof. E. Fisher. 2,295,498; Sept. 8.
Slug feeding mechanism for extruding presses. G. W. Temple. 2,295,138; Sept. 8.
Soap and lubricant containing the same. R. A. Swenson. 2,295,189; Sept. 8.
Soaps from oil, Separation of. H. G. Vesterdal. 2,295,065; Sept. 8.
Socket for plug-in devices. T. Obszarny. 2,295,266; Sept. 8.
Socket, Thermionic tube. H. H. Eby. 2,294,896; Sept. 8.
Solar bath cabinet. H. W. Hildebrand. 2,295,402; Sept. 8.
Solenoid. W. F. Oliver. 2,295,047; Sept. 8.
Sound absorbing material, Making. G. B. Brown and O. Ayers. 2,295,155; Sept. 8.
Spading device. J. Arborio and M. Bottino. 2,295,322; Sept. 8.
Speed control of direct current motors. W. H. Formhals. 2,295,395; Sept. 8.
Speed playback for sound machines, Variable. H. P. Clausen. 2,294,963; Sept. 8.
Speed power transmission, Automatic variable. R. V. Derrah. 2,295,337; Sept. 8.
Spool for industrial thread. G. W. Krentler. 2,295,222; Sept. 8.
Stabilization system, Fixed frequency difference. R. H. Varian, W. W. Hansen, and E. L. Ginzton. 2,294,942; Sept. 8.
Starter, Balance. F. R. Wassberg. 2,295,440; Sept. 8.
Steam turbine apparatus. R. Herti. 2,294,983; Sept. 8.
Storage tank. H. C. Brinkman. 2,295,514; Sept. 8.
Sulphate, Producing potassium. C. A. Butt and J. Frank. 2,295,257; Sept. 8.
Support: *See*—
Invalid support. Shoe arch support.
Support for curtain rods, Center. W. H. Toelle. 2,295,506; Sept. 8.
Support for drums. L. M. Able. 2,295,318; Sept. 8.
Switch: *See*—
Control switch. Electrical switch.
Dustproof switch. Remote control switch.
Electric switch. Time switch.
Switch. T. C. Schenk. 2,295,238; Sept. 8.
Switch construction. P. B. Hoye. 2,295,175; Sept. 8.
Switch receptacle. E. Franck. 2,295,190; Sept. 8.
Table: *See*—
Extension leaf table.
Tandem rolling mill. J. P. McCaffrey and S. J. Kern. 2,295,284; Sept. 8.
Tank: *See*—
Storage tank.
Tap changer. Z. O. St. Palley. 2,295,303; Sept. 8.
Tap handle. J. W. Haley. 2,295,468; Sept. 8.
Tape, Device for dispensing. C. S. Jackson. 2,295,477; Sept. 8.
Telephone attachment. C. D. Keely. 2,294,989; Sept. 8.
Telephone system. W. H. Edwards and A. Herckmans. 2,295,171; Sept. 8.
Telephone system. H. Hovland. 2,294,907; Sept. 8.
Telephone system. J. H. Voss. 2,295,372; Sept. 8.
Telephone system, Power line. R. K. Honaman, D. T. Osgood, and K. H. Perkins. 2,294,905; Sept. 8.
Television and like system. W. Jones and B. J. Edwards. 2,295,346; Sept. 8.
Television or other signal transmission system. A. D. Blumlein. 2,295,330; Sept. 8.

Television receiver. C. N. Smyth. 2,295,059; Sept. 8.
Television signal-translating system. J. C. Wilson. 2,295,443; Sept. 8.
Television system. W. A. Beatty and P. K. Chatterjea. 2,295,023; Sept. 8.
Temperature controlling mechanism. R. E. Di Vette. 2,295,100; Sept. 8.
Temperature regulator. L. M. Puster. 2,295,427; Sept. 8.
Textile fibers, Crimping. J. R. Caldwell. 2,294,957; Sept. 8.
Theft preventing device. C. Jackson. 2,295,214; Sept. 8.
Thermostat. N. C. Fetter. 2,295,463; Sept. 8.
Thermostat. M. E. Flene. 2,295,340; Sept. 8.
Thermostatic flasher. G. B. Davis, Jr. 2,295,202; Sept. 8.
Threads, cords, ribbons or bands, profiled stripe and so forth from plastic masses, artificial and natural dispersions and emulsions, Process and apparatus for making, Sharp-edged. M. Draemann. 2,294,894; Sept. 8.
Tie element. R. F. Winders. 2,295,278; Sept. 8.
Tie plate and rail anchor holder, Combined. G. E. Johnson. 2,294,987; Sept. 8.
Time switch. F. E. Carlson and J. West. 2,294,961; Sept. 8.
Tipping-off apparatus. W. J. Geiger and R. J. Ayers. 2,295,034; Sept. 8.
Tire casing vulcanizer. K. G. Vaniman. 2,295,438; Sept. 8.
Tire inflator. J. J. Rothwell. 2,295,237; Sept. 8.
Tobacco and other organic products in bulk, Moistening. W. L. Atwood. 2,294,887; Sept. 8.
Tool: *See*—
Chip-cutting tool. Electric soldering tool.
Contour machining tool. Roughing tool.
Tool. K. A. Schmuldt. 2,295,014; Sept. 8.
Tool carrier for gloves. E. P. Merrion. 2,294,997; Sept. 8.
Tool for finishing gears. W. A. Witham. 2,295,148; Sept. 8.
Tool for metal seaming. S. Scott. 2,295,131; Sept. 8.
Towel dispensing cabinet. R. G. Birr and A. C. Grunwald. 2,295,252; Sept. 8.
Towel dispensing cabinet. F. C. Peacock and J. B. Engel. 2,295,005; Sept. 8.
Toy railway track switch and making same. S. Schaffan, Jr. 2,295,358; Sept. 8.
Tractor. W. L. Zink. 2,294,945; Sept. 8.
Traffic barrier, Highway. E. S. Fraser. 2,295,205; Sept. 8.
Traffic signal lamp. C. L. Anderson and E. R. Freeberg. 2,294,883; Sept. 8.
Trail builder and bulldozer. C. Le Bleu. 2,295,264; Sept. 8.
Trailer coupling. D. S. Weiss. 2,295,021; Sept. 8.
Transformer. G. R. Monroe. 2,295,414; Sept. 8.
Transformer, Air-cooled, air insulated. G. R. Monroe. 2,295,415; Sept. 8.
Transmitting key, Balanced semiautomatic. J. W. Dickinson. 2,295,389; Sept. 8.
Tray, Ash. J. C. Tuttle. 2,295,245; Sept. 8.
Tree uprooting device. W. J. Edwards. 2,295,458; Sept. 8.
Trimethyl-para-benzoquinone, Manufacture of. R. Behnisch. 2,295,446; Sept. 8.
Trimmer, Lawn. F. Blessing. 2,295,072; Sept. 8.
Trolley device. R. P. Hanna. 2,295,400; Sept. 8.
Truck pedestal. P. Parker. 2,295,520; Sept. 8.
Truck, Trailer. W. L. Keehn. 2,295,084; Sept. 8.
Trunk hunting circuit. O. Cesareo. 2,295,200; Sept. 8.
Trunk hunting circuit. C. G. Spencer. 2,295,187; Sept. 8.
Tube: *See*—
Cathode-ray tube.
Tuning system, Low frequency. W. R. Koch. 2,295,408; Sept. 8.
Turbine blading. H. W. Semar. 2,295,012; Sept. 8.
Turnbuckle assembly. J. T. Ryan and H. Robinett. 2,295,357; Sept. 8.
Tuyère. F. J. Zippler. 2,295,069; Sept. 8.
Typewriter meter device. A. W. Widenham. 2,295,275; Sept. 8.
Vacuum cleaner. A. W. Kandetzki. 2,295,407; Sept. 8.
Valve: *See*—
Drain valve. Vent valve.
Valve. B. C. Eberhard and S. T. Williams. 2,295,392; Sept. 8.
Valve. B. C. Eberhard. 2,295,457; Sept. 8.
Valve. J. W. Hamilton. 2,295,109; Sept. 8.
Valve. L. V. McCarty. 2,295,044; Sept. 8.
Valve and valve seat for accordions. G. M. Bundy. 2,295,156; Sept. 8.
Valve for steam radiators, Air. A. Zarnesky. 2,295,374; Sept. 8.
Valve members, Manufacture of tubular. J. Hemmins. 2,295,111; Sept. 8.
Valve stem. I. W. Robertson. 2,295,236; Sept. 8.
Vanes for hydraulic turbines, Whirl deflecting. A. F Anderson. 2,295,495; Sept. 8.
Vapors, Condensation of metallic. C. C. Long. 2,295,226; Sept. 8.
Vehicle: *See*—
Dual-drive tandem rear- axle vehicle. Land vehicle.
Vehicle signal light. J. J. Kelly. 2,295,176; Sept. 8.
Venetian blind. W. J. Stuber. 2,295,434; Sept. 8.
Vent valve. W. A. Lebus. 2,295,486; Sept. 8.
Ventilated wheel. E. H. Piron. 2,295,269; Sept. 8.
Ventilator, Window. T. L. Atkinson. 2,295,194; Sept. 8.
Vinyl-aromatic compounds, Making. R. R. Dreisbach and J. Day. 2,295,077; Sept. 8.
Vise. R. L. Call. 2,295,332; Sept. 8.
Vitamin B_1 assimilation by yeast. H. J. Gorcica and H. Levine. 2,295,036; Sept. 8.
Vitamin K concentrates, Preparing. B. Riegel, P. G. Smith, C. E. Schweitzer, and V. C. Free. 2,295,129; Sept. 8.
Voltage protective device, Low. E. F. W. Beck and C. M. Lear. 2,295,379; Sept. 8.
Wall structure. J. E. MacDonald. 2,295,352; Sept. 8.
Water-soluble derivatives of 2-sulphanilylamidopyridine, Preparation of. J. Kamlet. 2,295,481; Sept. 8.
Waves having superposed frequencies, Selection of. L. Gabrilovitch. 2,295,207; Sept. 8.
Wheel: *See*—
Resilient wheel. Ventilated wheel.
Window, Ventilator. A. E. Wilshusen. 2,295,277; Sept. 8.
Wiper, Windshield. R. A. Rodrick. 2,295,011; Sept. 8.
Yarn conditioning process and compositions therefor. J. R. Caldwell. 2,294,958; Sept. 8.
Yarns, Manufacture of synthetic. J. S. McLellan. 2,294,995; Sept. 8.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 8, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 12: 2,294,952
73: 2,295,498
97: 2,295,140
160: 2,294,997
161: 2,295,507
174: 2,295,279
247: 2,295,425
4— 252: 2,295,416
5— 57: 2,295,063
62: 2,295,006
267: 2,295,278
337: 2,295,363
8— 105: 2,295,215
136: 2,295,429
12—128.1: 2,294,885
128.6: 2,295,359
15— 119: 2,294,943
155: 2,295,354
250: 2,295,011
16— 78: 2,295,496
110: 2,295,444
18— 2: 2,295,361
2,295,362
8: 2,294,894
15: 2,295,280
2,295,394
16: 2,295,220
18: 2,295,438
48: 2,294,957
54: 2,294,995
56: 2,295,066
20— 40: 2,294,912
91: 2,295,248
22— 57.2: 2,295,041
134: 2,295,227
139: 2,295,007
148: 2,294,935
204: 2,294,896
212: 2,294,959
23— 121: 2,295,257
24— 31: 2,295,029
81: 2,295,051
123: 2,295,423
205.5: 2,295,426
221: 2,295,488
25— 22: 2,294,926
42: 2,295,258
154: 2,295,420
155: 2,295,155
156: 2,295,294
29— 66: 2,295,052
69: 2,294,978
103: 2,295,148
148: 2,295,127
155.55: 2,295,338
157.1: 2,295,111
30— 123: 2,295,385
33— 46: 2,294,913
126.7: 2,295,218
175: 2,295,447
179.5: 2,295,206
189: 2,295,186
203: 2,295,184
223: 2,294,990
226: 2,295,254
34— 213: 2,295,475
35— 56: 2,295,325
36— 36: 2,295,491
71: 2,295,212
2,295,364
76: 2,294,982
37— 2: 2,295,458
144: 2,295,264
38— 25: 2,295,126
60: 2,295,112
77: 2,295,341
39— 1: 2,295,205
7: 2,295,419
40— 8: 2,295,468

40— 130: 2,295,188
132: 2,295,467
139: 2,295,430
41— 4: 2,294,933
22: 2,295,028
43— 15: 2,295,250
35: 2,295,042
39: 2,295,375
42: 2,294,971
46: 2,295,292
46— 127: 2,295,144
47— 1.2: 2,295,004
48— 116: 2,295,209
50— 14: 2,295,044
51— 103: 2,295,342
168: 2,295,282
216: 2,295,247
219: 2,295,265
241: 2,295,061
56— 25.4: 2,295,072
27: 2,295,091
58— 35: 2,294,923
60— 30: 2,295,436
54: 2,294,994
54.6: 2,294,976
2,295,487
61— 38: 2,295,422
77: 2,295,489
62— 12: 2,295,142
95: 2,295,113
116: 2,295,124
119.5: 2,295,064
126: 2,295,087
2,295,088
152: 2,295,462
64— 11: 2,295,316
14: 2,295,003
66— 96: 2,295,512
134: 2,295,450
135: 2,294,916
2,294,917
67— 31: 2,295,071
68— 205: 2,294,902
69— 1: 2,295,317
70— 144: 2,295,417
414: 2,295,356
456: 2,295,123
72— 30: 2,295,216
38: 2,295,352
73— 21: 2,295,437
51: 2,294,897
105: 2,295,485
74— 5: 2,295,158
113: 2,295,337
230.17: 2,294,951
2,295,161
232: 2,295,432
241: 2,294,996
305: 2,295,076
306: 2,295,299
316: 2,295,492
75— 0.5: 2,294,895
22: 2,295,334
24: 2,295,219
26: 2,295,039
67: 2,295,105
2,295,226
155: 2,295,180
77— 27: 2,295,516
58: 2,295,135
64: 2,295,022
65: 2,294,969
80— 35: 2,295,284
2,295,309
55: 2,294,970
81— 33: 2,295,332
82— 12: 2,295,014
21: 2,295,079

83— 9: 2,295,473
11: 2,294,920
2,294,921
94: 2,294,932
84— 1.19: 2,295,524
376: 2,295,156
415: 2,295,479
85— 1: 2,295,314
32: 2,295,480
86— 39: 2,295,033
88— 16.6: 2,295,243
24: 2,294,992
2,295,470
82: 2,294,930
105: 2,294,940
90— 33: Re.22,174
38: 2,295,130
93— 3: 2,295,335
49: 2,295,461
94— 39: 2,295,322
46: 2,295,519
95— 2: 2,294,981
2,295,013
6: 2,294,892
2,294,893
2,294,909
2,295,008
2,295,009
7: 2,295,276
63: 2,295,010
75: 2,295,411
88: 2,295,107
97— 179: 2,295,329
98— 2: 2,295,145
2,295,146
33: 2,295,251
99: 2,295,194
116: 2,295,239
99— 82: 2,295,116
96: 2,295,036
132: 2,295,274
134: 2,295,020
100— 14: 2,295,287
20: 2,294,929
101— 127: 2,295,128
149: 2,294,944
157: 2,295,080
277: 2,295,267
382: 2,294,879
103— 16: 2,294,975
132: 2,295,424
104— 1: 2,295,405
92: 2,295,509
105— 163: 2,294,999
225: 2,295,520
106— 8: 2,295,132
48: 2,294,931
306: 2,295,291
107— 8: 2,295,246
29: 2,295,027
112— 134: 2,295,255
224: 2,295,193
256: 2,295,511
113— 54: 2,295,131
112: 2,295,201
114— 144: 2,294,906
115— 17: 2,295,086
116— 39: 2,295,263
124.1: 2,295,387
117— 4: 2,294,985
103: 2,294,914
140: 2,295,070
119— 142: 2,295,365
122— 6: 2,294,946
10: 2,295,501
20: 2,295,115
266: 2,295,106
356: 2,294,977

123— 8: 2,295,117
53: 2,295,120
61: 2,295,037
179: 2,295,268
196: 2,295,007
126— 272: 2,295,273
351: 2,295,455
128— 57: 2,294,947
62: 2,294,900
84: 2,295,253
131: 2,295,062
146: 2,295,119
2,295,296
148: 2,295,321
290: 2,294,898
2,294,899
2,295,016
2,295,430
372: 2,295,402
129—16.1: 2,294,903
131— 140: 2,294,887
235: 2,295,245
132— 79: 2,295,347
136— 178: 2,295,223
137— 53: 2,295,154
122: 2,295,374
140: 2,295,147
156: 2,295,208
138— 52: 2,295,510
140— 3: 2,295,157
144— 309: 2,295,454
146— 88: 2,294,927
92: 2,295,174
148— 6: 2,295,063
8: 2,295,204
21: 2,295,272
151— 22: 2,295,234
29: 2,295,466
152— 430: 2,295,236
153— 40: 2,295,108
54: 2,295,017
154— 1: 2,295,099
42: 2,294,950
46: 2,294,966
155— 105: 2,295,122
156— 10: 2,295,137
17: 2,295,434
22: 2,295,506
158—27.4: 2,295,522
115: 2,295,001
2,295,002
117.1: 2,295,045
161— 1: 2,295,057
164— 29: 2,295,090
88: 2,295,078
93: 2,295,089
166— 1: 2,295,418
18: 2,295,058
167— 22: 2,295,504
2,295,505
53: 2,294,888
72: 2,294,889
81: 2,295,129
171— 95: 2,295,413
97: 2,295,000
2,295,293
2,295,499
119: 2,295,303
2,295,355
223: 2,295,303
229: 2,295,305
242: 2,295,348
2,295,384
252: 2,295,208
268: 2,295,349
321: 2,295,409
172— 36: 2,295,262
2,295,404

172— 120: 2,295,286
179: 2,295,285
239: 2,295,335
246: 2,295,388
274: 2,295,336
280: 2,295,319
289: 2,295,373
293: 2,295,397
173— 324: 2,295,367
328: 2,294,880
2,295,214
332: 2,295,266
339: 2,294,896
174— 63: 2,295,333
70: 2,295,377
120: 2,295,290
123: 2,294,919
175— 21: 2,295,082
41: 2,295,331
183: 2,294,941
2,295,312
2,295,382
2,295,453
264: 2,295,134
294: 2,295,307
2,295,308
2,295,309
2,295,398
307: 2,295,241
339: 2,295,390
341: 2,295,047
356: 2,295,371
2,295,414
2,295,415
368: 2,295,118
176— 3: 2,295,034
122: 2,295,040
2,295,043
177— 311: 2,295,301
314: 2,295,178
2,295,482
327: 2,294,883
329: 2,295,176
2,295,217
2,295,428
347: 2,295,202
353: 2,295,025
178— 4: Re.22,175
5.2: 2,295,023
2,295,443
7.2: 2,295,330
7.3: 2,295,346
7.5: 2,295,069
44: 2,294,881
2,295,323
63: 2,294,956
82: 2,295,389
179— 2.5: 2,294,905
18: 2,294,907
2,295,082
2,295,187
2,295,200
2,295,372
36: 2,295,171
51: 2,294,910
100.4: 2,294,963
115.5: 2,295,483
139: 2,295,376
157: 2,294,989
171: 2,295,410
171.5: 2,294,908
175.81: 2,295,153
180— 22: 2,295,213
23: 2,295,085
54: 2,294,945
183— 7: 2,295,152
83: 2,295,101
115: 2,294,972

187— 22: 2,295,381
188— 33: 2,295,244
77: 2,295,224
79.5: 2,294,974
104: 2,295,019
170: 2,295,196
186: 2,295,503
210: 2,295,162
189— 1: 2,294,890
2: 2,295,311
21: 2,294,903
34: 2,295,103
88: 2,295,449
191— 35: 2,295,400
192— 66: 2,295,344
77: 2,295,181
133: 2,294,441
194— 87: 2,294,954
102: 2,295,493
195— 40: 2,295,150
196— 7: 2,295,211
10: 2,295,125
13: 2,295,635
2,295,065
34: 2,295,048
40: 2,294,884
49: 2,295,197
73: 2,295,356
197— 180: 2,295,275
198— 79: 2,295,232
193: 2,295,133
202: 2,294,915
2,294,952
200— 5: 2,295,259
2,295,517
16: 2,294,953
17: 2,295,518
24: 2,294,936
30: 2,295,238
33: 2,295,054
38: 2,294,981
67: 2,295,181
2,295,484
83: 2,295,240
111: 2,295,088
113: 2,295,295
114: 2,295,015
2,295,310
2,295,342
118: 2,295,320
2,295,388
2,295,350
138: 2,295,456
150: 2,295,175
157: 2,295,261
201— 76: 2,295,379
204— 300: 2,295,476
205— 4: 2,295,500
206— 41.2: 2,295,464
2,295,465
44: 2,294,985
2,295,478
46: 2,295,260
48: 2,295,110
57: 2,295,018
66: 2,295,242
207— 1: 2,295,138
209— 72: 2,295,469
99: 2,295,190
166: 2,295,459
210— 1: 2,295,266
8: 2,295,391
214— 21: 2,295,401
83: 2,294,928
219— 19: 2,294,981
2,295,221
20: 2,295,208
21: 2,295,075

219—] 26: 2,295,195
35: Re. 22,176
37: Re. 22,177
2,295,378
39: 2,295,502
44: 2,295,433
220— 18: 2,295,514
31: 2,295,404
40: 2,294,922
221— 73.5: 2,295,237
135: 2,295,280
223— 21: 2,295,230
224— 26: 2,295,143
226— 83: 2,295,049
229— 17: 2,294,964
2,294,979
31: 2,295,508
32: 2,295,515
34: 2,295,141
51: 2,295,231
230— 75: 2,295,024
117: 2,295,451
232— 42: 2,295,300
235— 61: 2,294,901
2,295,497
61.7: 2,295,448
144: 2,294,949
145: 2,294,948
236— 1: 2,295,149
68: 2,295,340
69: 2,295,471
236— 76: 2,295,100
99: 2,295,427
238—14.12: 2,294,934
327: 2,924,987
240— 2: 2,295,210
2,295,268
2,295,396
33: 2,295,302
36: 2,294,492
11.4: 2,295,031
2,295,046
242— 55.5: 2,295,477
124: 2,295,222
244— 75: 2,295,306
83: 2,295,159
90: 2,295,172
102: 2,294,918
121: 2,295,345
246— 415: 2,295,358
248— 15: 2,294,904
41: 2,294,986
44: 2,295,431
194: 2,295,281
201: 2,295,318
282: 2,294,908
308: 2,295,370
358: 2,295,198
250— 11: 2,294,882
2,295,412
16: 2,295,191
17: 2,295,351
20: 2,295,207
250— 2,295,383
2,295,408
27: 2,295,297
2,295,315
27.5: 2,295,386
2,295,396
33: 2,295,302
36: 2,294,492
40: 2,295,173
2,295,442
161: 2,295,403
162: 2,295,038
251— 43: 2,295,457
46: 2,295,392
103: 2,295,109
134: 2,295,445
252— 8.5: 2,295,067
8.9: 2,294,968
36: 2,295,189
45: 2,295,063
51: 2,295,179
2,295,192
335: 2,295,167
340: 2,295,163
2,295,164
2,295,165
2,295,166
2,295,168
2,295,169
341: 2,295,170
253— 69: 2,294,983
253— 77: 2,295,012
117: 2,295,495
256— 22: 2,295,056
24: 2,295,271
259— 1: 2,295,283
7: 2,295,121
54: 2,295,114
107: 2,295,136
260— 27: 2,295,030
108: 2,295,225
160: 2,295,050
212: 2,294,924
2,294,925
243: 2,295,074
266: 2,295,481
344: 2,294,937
377: 2,294,968
396: 2,295,446
397.4: 2,294,938
435: 2,295,104
464: 2,295,406
485: 2,295,513
530: 2,294,984
601: 2,294,955
650: 2,295,077
261— 30: 2,295,233
122: 2,294,973
262— 30: 2,294,911
263— 6: 2,295,474
19: 2,295,177
265— 1.4: 2,295,026
265— 14: 2,295,249
54: 2,295,440
266— 5: 2,294,891
23: 2,295,182
2,295,229
2,295,523
41: 2,295,069
267— 9: 2,295,093
270— 53: 2,295,073
58: 2,295,055
271— 2.2: 2,295,050
2.3: 2,295,327
58: 2,294,980
273— 101: 2,295,225
134: 2,293,452
274— 1: 2,295,460
10: 2,295,092
275— 7: 2,295,472
277— 45: 2,295,496
280—11.13: 2,295,185
12: 2,295,407
33.15: 2,295,021
124: 2,295,084
283— 66: 2,295,102
285— 25: 2,294,988
84: 2,294,960
286— 7: 2,295,098
35: 2,295,490
287— 58: 2,294,967
62: 2,295,357
290— 33: 2,295,289
292— 48: 2,295,324
114: 2,295,360
263: 2,295,421
350: 2,295,435
295— 11: 2,295,269
2,295,270
296— 44: 2,295,277
297— 15: 2,295,463
299— 87: 2,295,228
107.5: 2,295,081
300— 10: 2,295,326
304— 4: 2,295,183
308— 26: 2,295,139
56: 2,294,939
309— 4: 2,295,521
19: 2,295,199
34: 2,295,160
311— 55: 2,295,095
65: 2,295,094
67: 2,295,096
312— 22: 2,295,368
38: 2,295,252
42: 2,295,313
60: 2,295,005
77: 2,295,353
141: 2,295,304

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,294,879: 101— 382
2,294,898: 128— 290
2,294,899: 128— 290
2,294,924: 260— 212
2,294,925: 260— 212
2,294,928: 214— 83
2,294,951: 74—230.17
2,294,966: 154— 46
2,294,985: 117— 4
2,294,993: 189— 21
2,295,006: 5— 62
2,295,030: 260— 27
2,295,037: 123— 61
2,295,042: 43— 35
2,295,063: 5— 57
2,295,094: 311— 65
2,295,096: 311— 67
2,295,120: 123— 53
2,295,150: 195— 40
2,295,179: 252— 51
2,295,192: 252— 51
2,295,197: 196— 49
2,295,201: 113— 112
2,295,209: 48— 116
2,295,258: 25— 42
2,295,291: 106— 306
2,295,293: 171— 97
2,295,357: 287— 62
2,295,385: 30— 123
2,295,403: 250— 161
2,295,405: 104— 1
2,295,428: 177— 329
2,295,439: 128— 290
2,295,467: 40— 132
2,295,468: 40— 8
2,295,472: 275— 7
2,295,474: 263— 6
2,295,514: 220— 18

U. S. GOVERNMENT PRINTING OFFICE: 1942

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

American Lead Pencil Company, Hoboken, N. J. Fountain pens. Serial No. 453,975; Sept. 15. Class 37.

American Photocopy Equipment Co. Not Inc., Chicago, Ill. Photo-copying machine and sensitized photographic paper. Serial No. 452,596; Sept. 15. Class 26.

Bendix Aviation Corporation, Bendix, N. J. Compasses. Serial No. 452,212; Sept. 15. Class 26.

Bloom, Ralph, doing business as Cino Chemical Company, Cincinnati, Ohio. Flavoring material. 449,118; Sept. 15. Class 46.

Botany Worsted Mills, Passaic, N. J. Woolen and worsted piece goods. Serial No. 453,727; Sept. 15. Class 42.

Bruce's Juices, Inc., Tampa, Fla. Fruit and vegetable extracts and juices in condensed form. Serial No. 453,909; Sept. 15. Class 46.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling alley furniture. Serial No. 453,534; Sept. 15. Class 32.

Califruit Company, San Jose, Calif. Canned vegetables. Serial No. 454,284; Sept. 15. Class 46.

Cantor Greenspan Co., Inc., New York, N. Y. Piece goods of rayon, cotton, silk, etc. Serial No. 453,323; Sept. 15. Class 42.

Celanese Corporation of America, New York, N. Y. Flexible material suitable for use as a substitute for glass. Serial No. 453,746; Sept. 15. Class 50.

Chicopee Sales Corporation, New York, N. Y. Textile diapers. Serial No. 451,436; Sept. 15. Class 39.

Cino Chemical Company. (See Bloom, Ralph.)

Consolidated Feldspar Corporation, Trenton, N. J., Mineral product. Serial No. 453,362; Sept. 15. Class 1.

Copeman Laboratories Company, Flint, Mich. Hosiery. Serial No. 454,286; Sept. 15. Class 39.

Coty, Inc., New York, N. Y. Powder, toilet water, perfume, etc. Serial Nos. 454,362–5; Sept. 15. Class 6.

Crompton Company, West Warwick, R. I. Fabrics in the piece. Serial No. 453,825; Sept. 15. Class 42.

Danish Banquet Cheese Company, Nisqually, Wash. Cheese. Serial No. 454,114; Sept. 15. Class 46.

Earle, Marie, Inc., New York, N. Y. Powder, toilet water, perfume, etc. Serial No. 454,366; Sept. 15. Class 6.

Eaton Manufacturing Company, Cleveland, Ohio. Mechanical parts for use in connection with the valve operated mechanism of internal combustion engines. Serial No. 453,668; Sept. 15. Class 23.

Ellwood Company, The. (See Whitehurch, Ellwood F.)

Fansteel Metallurgical Corporation, North Chicago, Ill. Tools and parts of tools. Serial No. 427,837; Sept. 15. Class 23.

Federated Foods, Inc., doing business as Federated Foods, Chicago, Ill. Household bleach. Serial No. 454,303; Sept. 15. Class 6.

Fisher Governor Company, Marshalltown, Iowa. Liquid level responsive pressure actuated pilot mechanism for valves. Serial No. 453,241; Sept. 15. Class 13.

Fisher Scientific Company, Pittsburgh, Pa. Solution employed to identify natural and synthetic textile fibers. Serial No. 454,249; Sept. 15. Class 6.

Fisher Scientific Company, Pittsburgh, Pa. Chemical employed to remove dyes from textile fibers. Serial No. 454,250; Sept. 15. Class 6.

Flex-O-Glass Manufacturing Co. (See Warp, Harold.)

Foreman Fabrics Corp., New York, N. Y. Cotton, rayon, and/or silk piece goods. Serial No. 452,422; Sept. 15. Class 42.

Glasgow Sportswear, Inc., New York, N. Y. Women's and children's sweaters. Serial No. 454,035; Sept. 15. Class 39.

Gold Ribbon Ranch, Shafter and Arvin, Calif. Fresh vegetables. Serial No. 454,443; Sept. 15. Class 46.

Goldfarb, Samuel J., New York, N. Y. Ladies' and misses' dresses and aprons. Serial No. 454,306; Sept. 15. Class 39.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Shoe heels and shoe soles. Serial No. 452,981; Sept. 15. Class 39.

Hertzberg, H., & Son, Inc., New York, N. Y. Broom covers in the nature of dusters. Serial No. 451,894; Sept. 15. Class 29.

Hughes-Autograf Brush Company, Inc., New York and Watervliet, N. Y. Toilet brushes and specifically tooth brushes, hair brushes, etc. Serial No. 453,527; Sept. 15. Class 29.

Irresistible, Inc., Jersey City, N. J. Hair rinse. Serial No. 431,253; Sept. 15. Class 6.

Irresistible, Inc., Jersey City, N. J. Deodorant. Serial No. 431,256; Sept. 15. Class 6.

Joanne Kiddy Dress Manufacturing Company, Incorporated, Chicago, Ill. Children's and juniors' dresses. Serial No. 453,737; Sept. 15. Class 39.

Ko-Lime Extracts. (See Tischenkel, Jacob.)

Loeb, Louis, doing business as Swiss American Trading Company, Brooklyn, N. Y. Coffee substitutes. Serial No. 453,443; Sept. 15. Class 46.

Loma Linda Food Company, Arlington, Calif. Food seasoning. Serial No. 453,987; Sept. 15. Class 46.

Mason-Springs Corporation, Los Angeles, Calif. Packets containing stationery, specifically, packets containing letter paper and envelopes, and packets containing postcards. Serial No. 452,931; Sept. 15. Class 37.

Mills, Tarpé, New York, N. Y. Series of cartoons, or comic strips. Serial No. 454,614; Sept. 15. Class 38.

Minot Flour Mill Company, Minot, N. Dak. Wheat flour. Serial No. 435,370; Sept. 15. Class 46.

Modern Products, Inc., Milwaukee, Wis. Calcium pantothenate tablets. Serial No. 454,342; Sept. 15. Class 6.

Nelson, Julius, Corp., New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. Serial No. 454,176; Sept. 15. Class 39.

Newman, Milton, doing business as Quaker Maid Mills, Philadelphia, Pa. Toilet lid covers, bath mats and rugs. Serial No. 454,102; Sept. 15. Class 42.

Newport Industries, Inc., Pensacola, Fla. Drying oil vehicle for paints and varnishes. Serial No. 453,846; Sept. 15. Class 16.

Owens-Illinois Glass Company, Toledo, Ohio. Closures for bottles, jars, and other containers. Serial No. 453,602; Sept. 15. Class 50.

Pittsburgh-Corning Corporation, Pittsburgh, Pa. Cellular structural material, etc. Serial No. 449,465; Sept. 15. Class 12.

Plasticraft Products Co. (See Robinson, Clyde A.)

Plee-Zing, Inc., Chicago, Ill. Cough syrup, epsom salts, baking soda, etc. Serial No. 453,212; Sept. 15. Class 6.

Plee-Zing, Inc., Chicago, Ill. Household coffee mills and grinders, and razor blades. Serial No. 453,213; Sept. 15. Class 23.

Plee-Zing, Inc., Chicago, Ill. Paints, paint enamels, paint primers and furniture polish, etc. Serial No. 453,585; Sept. 15. Class 16.

Porter, Logan Mirror Company, High Point, N. C. Mirrors. Serial No. 453,807; Sept. 15. Class 32.

Quaker Maid Mills. (See Newman, Milton.)

Robinson, Clyde A., doing business as Plasticraft Products Co., New York, N. Y. Signs in the nature of nameplates. Serial No. 452,025; Sept. 15. Class 50.

Safeway Stores, Inc., of Nevada, doing business as Table Products Co., Reno, Nev., and Oakland, Calif. Non-alcoholic, maltless beverages. Serial No. 454,350; Sept. 15. Class 45.

Sales Affiliates Limited, Boreham Wood, Hertfordshire, England. Hair waving and curling lotions. Serial No. 443,818; Sept. 15. Class 6.

Sewell Manufacturing Company, Bremen, Ga. Men's and boys' clothing. Serial No. 452,318; Sept. 15. Class 39.

Shapiro, Minnette C., doing business as Sweetsex, Brooklyn, N. Y. Women's, junior misses', and children's wearing apparel. Serial No. 452,678; Sept. 15. Class 39.

Shower Sales Corporation, New York, N. Y. Portable shower cabinets. Serial No. 454,150; Sept. 15. Class 13.

Shulton, Inc., New York, N. Y., and Hoboken, N. J. Perfumes, colognes, toilet waters, etc. Serial No. 454,276; Sept. 15. Class 6.

Simonds Machine Company, Inc., Southbridge, Mass. Foot treadle electric switches. Serial No. 444,659; Sept. 15. Class 21.

Smokeless Fuel Company, Charleston, W. Va. Coal. Serial No. 454,043; Sept. 15. Class 1.

Stanley, William W., Co., Inc., New York, N. Y. Fire and waterproof canvas textile fabrics. Serial No. 450,081; Sept. 15. Class 50.

Stevens and Associates, Inc., Indianapolis, Ind. Printing matrices. Serial No. 448,343; Sept. 15. Class 50.

Stone-Tarlow Co., Inc., Brockton, Mass. Shoes. Serial No. 409,659; Sept. 15. Class 39.

Sweetsex. (See Shapiro, Minnette C.)

Swiss American Trading Company. (See Loeb, Louis.)

Table Products Co. (See Safeway Stores, Inc.)

Tailorbrooke Clothes, Inc., New York, N. Y. Women's and misses' coats and suits. Serial No. 453,587; Sept. 15. Class 39.

Tischenkel, Jacob, doing business as Ko-Lime Extracts, New York, N. Y. Beverage base for making syrup for soft drinks. Serial No. 454,021; Sept. 15. Class 45.

Tri-Valley Packing Association, San Francisco, Calif. Canned fruits, canned vegetables. Serial No. 454,207; Sept. 15. Class 46.

True-Rite, Inc., New York, N. Y. Carbon paper. Serial No. 454,352; Sept. 15. Class 11.

United Feature Syndicate, Inc., New York, N. Y. Serial drawings. Serial No. 454,590; Sept. 15. Class 38.

Van Holten, J. G., & Son, Inc., Milwaukee, Wis. Pickles. Serial No. 437,294; Sept. 15. Class 46.

Vascoloy-Ramet Corporation, North Chicago, Ill. Tools and parts of tools. Serial Nos. 427,862–6; Sept. 15. Class 23.
Ventura Pacific Co., Montalvo, Calif. Fresh citrus fruits. Serial No. 454,208; Sept. 15. Class 46.
Vigder Bros. Inc., New York, N. Y. Women's and misses' fur coats. Serial No. 454,159; Sept. 15. Class 39.
Warp Brothers. (See Warp, Harold.)
Warp, Harold, doing business as Flex-O-Glass Manufacturing Co., and as Warp Brothers, Chicago, Ill. Transparent and translucent sheet materials used as substitutes for glass panes. Serial Nos. 437,230–1; Sept. 15. Class 50.
Weaver Fertilizer Company, Inc., Norfolk, Va. Fertilizers. Serial No. 453,866; Sept. 15. Class 10.
Wells Lamont Smith Corporation, Chicago, Ill. Work gloves. Serial No. 453,969; Sept. 15. Class 39.
Wells, S. C., & Company, Leroy, N. Y. Remedies for relief of pain, lameness, and soreness, etc. Serial No. 454,297; Sept. 15. Class 6.
Western Oregon Packing Corporation, Corvallis, Oreg. Canned fruits, berries, vegetables. Serial No. 454,100; Sept. 15. Class 46.
Whitchurch, Ellwood F., doing business as The Ellwood Company, Chicago, Ill. Bottle caps and resealers. Serial No. 454,079; Sept. 15. Class 50.
Whitin, Paul, Manufacturing Company, The, Northbridge, Mass. Cotton fabrics in the piece. Serial No. 453,702; Sept. 15. Class 42.
Williamsport Hosiery Corporation, Williamsport, Md. Hosiery. Serial No. 454,354; Sept. 15. Class 39.
Yorkshire Copper Works Limited, The, Leeds, England. Metal tubes including tubes made of copper, brass, cupro-nickel, etc. Serial No. 451,156; Sept. 15. Class 13.
Zerner, Egon, doing business as Zerner Art Studios, New York, N. Y. Cases, wallets, purses, etc. Serial No. 444,029; Sept. 15. Class 3.
Zwicker, Verdi, New York, N. Y. Chemically treated yarn. Serial No. 454,063; Sept. 15. Class 43.

LIST OF REGISTRANTS OF TRADE-MARKS

Absorbent Cotton Company, of America, The, Valley Park, Mo. Absorbent cotton. 163,016; renewed Jan. 2, 1943.
Addressograph-Multigraph Corporation, Cleveland, Ohio. Planographic plates of treated paper. 397,689; Sept. 15; Serial No. 451,618; published July 7, 1942. Class 50.
Allen, Chester S., doing business as West Penn Oil Company, Warren, Pa. Lubricating oils and greases. 397,733; Sept. 15. Class 15.
American Brake Shoe and Foundry Company, The, New York, N. Y. Air compressors, motor driven air compressor units, air controlled automobile lifts, etc., and parts thereof. 397,736; Sept. 15. Class 23.
Artmart Linen Co. Inc., New York, N. Y. Towels, scarves, doilies, etc. 397,707; Sept. 15; Serial No. 452,442; published July 7, 1942. Class 42.
Atlas Fence Company, Philadelphia, Pa. Fencing, screen, and mats. 397,683; Sept. 15; Serial No. 450,824; published July 7, 1942. Class 13.
Ault & Wiborg Company, (Far East), The, New York, N. Y. Writing and printing paper. 397,674; Sept. 15; Serial No. 450,043; published July 7, 1942. Class 37.
Baer Company, The, Lehighton, Pa. Yarns. 397,735; Sept. 15. Class 43.
Bates, C. J., & Son, Chester, Conn. Knitting needles. 397,698; Sept. 15; Serial No. 432,303; published July 7, 1942. Class 40.
Ben-Gee Sales Company. (See Guzofsky, Benjamin.)
Bickum, Dorothy, New York, N. Y. Women's skirt drawers and combinations. 158,614; renewed Sept. 12, 1942.
Brach, E. J., & Sons, Chicago, Ill. Candy. 397,672; Sept. 15; Serial No. 449,221; published July 7, 1942. Class 46.
Bramson Publishing Company, The, Detroit, Mich. Comic strip. 397,710; Sept. 15; Serial No. 452,599; published July 7, 1942. Class 38.
Chat, Incorporated, The, Brooklyn, N. Y. Newspaper. 397,677; Sept. 15; Serial No. 450,414; published July 7, 1942. Class 38.
Chicago Rubber Clothing Company, Racine, Wis. Textile piece goods. 397,669; Sept. 15; Serial No. 448,691; published July 7, 1942. Class 50.
Concrete Materials Company, Sioux Falls, S. Dak. Crushed quartz refractory. 397,704; Sept. 15; Serial No. 452,387; published July 7, 1942. Class 1.
Coos Bay Mutual Creamery Company. (See Oregon Dairymen's Cooperative League, The, assignor.)
Cosmata, Inc., Long Island City, N. Y. Soaps. 397,670; Sept. 15; Serial No. 448,755; published July 7, 1942. Class 4.
Cowden Manufacturing Company, Kansas City, Mo. Slacks, culottes, dresses, etc. 397,666; Sept. 15; Serial No. 447,121; published July 7, 1942. Class 39.
Cross, Mark, Company, New York, N. Y. Hand bags and knitting bags. 397,716; Sept. 15; Serial No. 452,749; published July 7, 1942. Class 3.
Curtiss-Wright Corporation, New York and Buffalo, N. Y., Columbus, Ohio, and St. Louis, Mo. Newspaper. 397,731; Sept. 15. Class 38.
D. Appleton-Century Company, Incorporated, New York, N. Y. Music books. 397,724; Sept. 15; Serial No. 453,097; published July 7, 1942. Class 38.
Dandro-Nox Co., The, Baltimore, Md. Nipples and nursing bottles. 397,726; Sept. 15; Serial No. 453,237; published July 7, 1942. Class 44.
Di Flumeri, Augustus, Newark, N. J. Wallets. 397,721; Sept. 15; Serial No. 452,958; published July 7, 1942. Class 3.
Dome Publishing Co. (See Picchione, Nicholas.)
Douglas Oil & Refining Company, Los Angeles, Calif. Gasoline. 397,728; Sept. 15. Class 15.
Duffy, Lillian, Jackson Heights, Long Island, N. Y. Valentines and greeting cards. 397,686; Sept. 15; Serial No. 451,264; published July 7, 1942. Class 38.
Enro Shirt Company, to Enro Shirt Co., Incorporated, Louisville, Ky., successor. Dress and outer shields, undershirts, collars, etc. 162,068; renewed Dec. 5, 1942.
Fairview Collieries Corporation, Indianapolis, Ind., and Fairview, Ill. Coal. 397,687; Sept. 15; Serial No. 451,595; published July 7, 1942. Class 1.
First Aid Syrup Co., The. (See Silverman, E. & H.)
Free World, Inc., New York, N. Y. Periodical. 397,714; Sept. 15; Serial No. 452,688; published July 7, 1942. Class 38.
Frentrup Publishing Company, San Francisco, Calif. Magazine. 397,737; Sept. 15. Class 38.
Gaffney, James C., New York, N. Y. Playing cards. 397,659; Sept. 15; Serial No. 440,465; published July 7, 1942. Class 22.
Grand Rapids Store Equipment Company, Grand Rapids, Mich. Fluorescent electric lighting fixtures. 397,732; Sept. 15. Class 21.
Greenberg, Robert R., & Co., Inc., Reedley, Calif. Fruits and vegetables. 397,722; Sept. 15; Serial No. 452,982; published July 7, 1942. Class 46.
Guzofsky, Benjamin, doing business as Ben-Gee Sales Company, New York, N. Y. Hair nets, water wave nets, human hair nets, etc. 397,692; Sept. 15; Serial No. 451,932; published July 7, 1942. Class 39.
Higgins, J. E., Lumber Company, doing business as Strable Hardwood Company, Oakland, Calif. Waterproof plywood row boats. 397,657; Sept. 15; Serial No. 429,177; published July 7, 1942. Class 19.
Home Decorators, Inc., Newark, N. Y. Sterling silver flatware. 397,690; Sept. 15; Serial No. 451,748; published July 7, 1942. Class 28.
Hopfenberg, Irving J., Providence, R. I. Finger rings, lockets, bracelets, etc. 397,709; Sept. 15; Serial No. 452,534; published July 7, 1942. Class 28.
Howard's Fifth Avenue, Inc., New York, N. Y. Woman's garment accessory. 397,727; Sept. 15. Class 39.
Hugunin, Lena L., doing business as Hugunin's, Los Angeles, Calif. Pipe mixture. 397,708; Sept. 15; Serial No. 452,476; published July 7, 1942. Class 17.
International Paper Company, New York, N. Y. Printing paper. 397,661; Sept. 15; Serial No. 442,630; published July 7, 1942. Class 37.
Johnson, Mead, & Company, Evansville, Ind. Food product for infants, invalids, and adults. 397,676; Sept. 15; Serial No. 450,239; published July 7, 1942. Class 46.
Kawerk, Roch D., doing business as Victory Products Co., Birmingham, Ala. White shoe cleaner. 397,667; Sept. 15; Serial No. 447,396; published July 7, 1942. Class 4.
Kedmont Manufacturing & Waterproofing Co. (See Van Wolf, A. F.)
Labé Importing Co., New York, N. Y. Bedspreads, tablecovers, linens, etc. 397,706; Sept. 15; Serial No. 452,429; published July 7, 1942. Class 42.
La Renz Company, The, Cleveland, Ohio. Cleaning compound. 397,695; Sept. 15; Serial No. 452,193; published July 7, 1942. Class 4.
Larus & Brother Company, Inc., Richmond, Va. Tobacco. 397,684; Sept. 15; Serial No. 451,055; published July 7, 1942. Class 17.
Levy, Nat, New York, N. Y. Jewelry. 397,696; Sept. 15; Serial No. 452,223; published July 7, 1942. Class 28.
Lewis, Edgar P., & Sons, Inc. (See Package Confectionery Company.)
Liberty Mirror Works, Pittsburgh, assignor to Liberty Mirror Works, Brackenridge, Pa., successor. Rearview mirrors. 151,844; renewed Feb. 14, 1942.
Libertyville Textiles, Inc., Chicago, Ill. Rugs. 397,663; Sept. 15; Serial No. 443,773; published July 7, 1942. Class 42.
McCartney, Rex, doing business as R. McCartney, Hanford, Calif. Grapes. 397,660; Sept. 15; Serial No. 441,679; published July 7, 1942. Class 46.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Periodical. 397,712; Sept. 15; Serial No. 452,673; published July 7, 1942. Class 38.
McGraw-Hill Publishing Company, Inc., New York, N. Y. Periodical. 397,713; Sept. 15; Serial No. 452,675; published July 7, 1942. Class 38.
McKesson & Robbins, Incorporated. (See Stewart & Holmes Drug Co.)
Millville Manufacturing Company, The, Philadelphia, Pa. Diapers. 397,705; Sept. 15; Serial No. 452,402; published July 7, 1942. Class 39.
Minty. (See Palmers, Limited.)
National Refining Company, The, Cleveland, Ohio. Oil. 397,671; Sept. 15; Serial No. 448,871; published June 30, 1942. Class 15.
Nicoll, R. C., doing business as Valerie Jean Date Shop, Thermal, Calif. Dates. 397,715; Sept. 15; Serial No. 452,731; published July 7, 1942. Class 46.
Ogus, Rabinovich & Ogus, Inc., New York, N. Y. Ladies' hats. 397,673; Sept. 15; Serial No. 449,866; published July 7, 1942. Class 39.
Omar, Inc., New York, N. Y. Simulated individual pearls. 397,682; Sept. 15; Serial No. 450,810; published July 7, 1942. Class 28.
Oregon Dairymen's Cooperative League, The, Portland, assignor, by mesne assignments, to Coos Bay Mutual Creamery Company, Marshfield, Oreg. Cheese. 159,975. renewed Oct. 10, 1942.
Owens-Illinois Glass Company, Toledo, Ohio. Glass bottles and jars. 397,730; Sept. 15. Class 33.
Package Confectionery Company, Boston, to Edgar P. Lewis & Sons, Inc., Malden, Mass., successor. Candy. 162,335; renewed Dec. 12, 1942.
Palmers, Limited, doing business as Minty, to Palmers Limited, Montreal, Quebec, Canada, successor. Toilet, chemical, and medicinal preparations. 160,264; renewed Oct. 17, 1942.
Phillips Petroleum Company, Bartlesville, Okla. Lubricants. 397,699–701; Sept. 15; Serial Nos. 452,314–16; published June 30, 1942. Class 15.
Picchione, Nicholas, doing business as Dome Publishing Co., Providence, R. I. Books. 397,681; Sept. 15; Serial No. 450,491; published July 7, 1942. Class 37.
Pollard Oil Products Corporation, Milwaukee, Wis. Foundry supplies. 397,678; Sept. 15; Serial No. 450,457; published July 7, 1942. Class 1.
Pure Oil Company, The, Chicago, Ill. Filing card system. 397,697; Sept. 15; Serial No. 452,293; published July 7, 1942. Class 37.
Republic Flow Meters Company, Chicago, Ill. Fluid flowmeters; ring balance meters; chart type recorders, etc. 397,665; Sept. 15; Serial No. 446,812; published July 7, 1942. Class 26.
Rosenthal, Daniel, doing business as Gabriel Williams Company, New York, N. Y. Cut stones. 397,694; Sept. 15; Serial No. 452,134; published July 7, 1942. Class 28.
Salisbury, Orange J., Pasadena, Calif. Aggregate and heat insulating medium. 397,675; Sept. 15; Serial No. 450,078; published July 7, 1942. Class 12.
Schein & Engel Company, New York, N. Y. Watches, watch movements, watch dials, etc. 397,679; Sept. 15; Serial No. 450,460; published July 7, 1942. Class 27.
Schenley Distilleries, Inc., New York, N. Y., and Baltimore, Md. Magazines. 397,723; Sept. 15; Serial No. 453,039; published July 7, 1942. Class 38.
Schmukler, J. J., & Sons, New York, N. Y. Jewelry. 397,680; Sept. 15; Serial No. 450,462; published July 7, 1942. Class 28.
Schronbrunn, S. A., & Co., Inc., New York, N. Y. Coffee. 397,693; Sept. 15; Serial No. 452,058; published July 7, 1942. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Electric fence controllers. 397,719–20; Sept. 15; Serial Nos. 452,940–1; published July 7, 1942. Class 21.
Shield Foods, Inc., Buffalo, N. Y. Canned fruits and vegetables. 397,717; Sept. 15; Serial No. 452,840; published July 7, 1942. Class 46.
Signode Steel Strapping Company, Chicago, Ill. Metal strapping for boxes, bales, bundles, etc. 397,725; Sept. 15; Serial No. 453,143; published July 7, 1942. Class 13.
Silverman, E. & H., doing business as The First Aid Syrup Co., to Harry Silverman, doing business as First Aid Syrup Co. of America, Hazleton, Pa., successor. Maltless beverage. 158,094; renewed Aug. 22, 1942.
Skinner, William, & Sons, Holyoke, Mass. Rayon piece goods. 397,688; Sept. 15; Serial No. 451,613; published July 7, 1942. Class 42.
Smith, James H., New York, N. Y. Developed motion picture films. 397,658; Sept. 15; Serial No. 439,708; published July 7, 1942. Class 26.
Southern States Marketing Cooperative, Incorporated, Richmond, Va. Eggs. 397,718; Sept. 15; Serial No. 452,841; published July 7, 1942. Class 46.
Spray Engineering Company, Boston, assignor to Spray Engineering Company, Somerville, Mass. Water and other liquid spraying systems and parts. 158,102; renewed Aug. 22, 1942.
Stewart & Holmes Drug Co., Seattle, Wash., to McKesson & Robbins, Incorporated, New York, N. Y., successor. Soap, razor strops, liquid preparations for cleaning cloth, and metal polish. 162,602; renewed Dec. 19, 1942.
Stewart & Holmes Drug Co., Seattle, Wash., to McKesson & Robbins, Incorporated, New York, N. Y., successor. Toothbrushes, hairbrushes, lather or shaving brushes, etc. 160,684; renewed Oct. 24, 1942.
Strable Hardwood Company. (See Higgins, J. E., Lumber Company.)
Street & Smith Publications, Inc., New York, N. Y. Magazine. 397,703; Sept. 15; Serial No. 452,381; published July 7, 1942. Class 38.
T. and L. Novelty Company, Cleveland, Ohio. Lawn sprinkler. 397,664; Sept. 15; Serial No. 445,622; published July 7, 1942. Class 13.
Tabin-Picker & Company, Chicago, Ill. Cotton and rayon and cotton and rayon mixed goods in the piece. 397,691; Sept. 15; Serial No. 451,880; published June 23, 1942. Class 42.
Tekniska Aktiebolaget Flora, Gavle, Sweden. Soap and soap powder. 397,656; Sept. 15; Serial No. 419,049; published Nov. 14, 1939. Class 4.
Tyler, W. S., Company, The, Cleveland, Ohio. Adhesive cement. 397,729; Sept. 15. Class 5.
Valerie Jean Date Shop. (See Nicoll, R. C.)
Van Wolf, A. F., doing business as Kedmont Manufacturing & Waterproofing Co., Chicago, Ill. Material (in liquid form) applicable to surfaces of concrete. 397,711; Sept. 15; Serial No. 452,627; published July 7, 1942. Class 12.
Victory Products Co. (See Kawerk, Roch D.)
Washington Stove Works, Everett, Wash. Cooking stoves and ranges. 397,734; Sept. 15. Class 34.
Weber, Erwin L., Seattle, Wash. Air conditioning units. 397,685; Sept. 15; Serial No. 451,154; published July 7, 1942. Class 34.
West Penn Oil Company. (See Allen, Chester S.)
White & Wyckoff Mfg. Co., Holyoke, Mass. Writing paper and mailing envelopes. 397,702; Sept. 15; Serial No. 452,320; published July 7, 1942. Class 37.
Williams, Gabriel, Company. (See Rosenthal, Daniel.)
Yohler and Mitchell, Inc., Indianapolis and Carmel, Ind. Orchids. 397,668; Sept. 15; Serial No. 447,680; published July 7, 1942. Class 1.
Young, Chas. W., & Co., Philadelphia, Pa. Soap. 397,662; Sept. 15; Serial No. 443,212; published July 15, 1941. Class 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Fairview Collieries Corporation. 397,687; Sept. 15; Serial No. 451,595; published July 7, 1942.
Foundry supplies. Pollard Oil Products Corporation. 397,678; Sept. 15; Serial No. 450,457; published July 7, 1942.
Orchids. Yohler and Mitchell, Inc. 397,668; Sept. 15; Serial No. 447,680; published July 7, 1942.
Quartz refractory, Crushed. Concrete Materials Company. 397,704; Sept. 15; Serial No. 452,387; published July 7, 1942.

CLASS 3

Bags and knitting bags, Hand. Mark Cross Company. 397,716; Sept. 15; Serial No. 452,749; published July 7, 1942.
Wallets. A. Di Flumeri. 397,721; Sept. 15; Serial No. 452,958; published July 7, 1942.

CLASS 4

Cleaner, White shoe. R. D. Kawerk. 397,667; Sept. 15; Serial No. 447,396; published July 7, 1942.
Cleaning compound. La Renz Company. 397,695; Sept. 15; Serial No. 452,193; published July 7, 1942.
Soap. Chas. W. Young & Co. 397,662; Sept. 15; Serial No. 443,212; published July 15, 1941.
Soap and soap powder. Tekniska Aktiebolaget Flora. 397,656; Sept. 15; Serial No. 419,049; published Nov. 14, 1939.
Soap, razor strops, liquid preparations for cleaning cloth, and metal polish. Stewart & Holmes Drug Co. 162,602; renewed Dec. 19, 1942.
Soaps. Cosmata, Inc. 397,670; Sept. 15; Serial No. 448,755; published July 7, 1942.

CLASS 5

Cement, Adhesive. W. S. Tyler Company. 397,729; Sept. 15.

CLASS 6

Toilet, chemical, and medicinal preparations. Palmers, Limited. 160,264; renewed Oct. 17, 1942.

CLASS 12

Aggregate and heat insulating medium. Orange J. Salisbury. 397,675; Sept. 15; Serial No. 450,078; published July 7, 1942.

Material (in liquid form) applicable to surfaces of concrete. A. F. Wan Wolf. 397,711; Sept. 15; Serial No. 452,627; published July 7, 1942.

CLASS 13

Fencing, screen, and mats. Atlas Fence Company. 397,683; Sept. 15; Serial No. 450,824; published July 7, 1942.
Metal strapping for boxes, bales, bundles, etc. Signode Steel Strapping Company. 397,725; Sept. 15; Serial No. 453,143; published July 7, 1942.
Sprinkler, Lawn. T. and L. Novelty Company. 397,664; Sept. 15; Serial No. 445,622; published July 7, 1942.

CLASS 15

Gasoline. Douglas Oil & Refining Company. 397,728; Sept. 15.
Lubricants. Phillips Petroleum Company. 397,699–701; Sept. 15; Serial Nos. 452,314–16; published June 30, 1942.
Oil. National Refining Company. 397,671; Sept. 15; Serial No. 448,871; published June 30, 1942.
Oils and greases, Lubricating. C. S. Allen. 397,733; Sept. 15.

CLASS 17

Pipe mixture. L. L. Hugunin. 397,708; Sept. 15; Serial No. 452,476; published July 7, 1942.
Tobacco. Larus & Brother Company. 397,684; Sept. 15; Serial No. 451,055; published July 7, 1942.

CLASS 19

Boats, Waterproof plywood row. J. E. Higgins Lumber Company. 397,657; Sept. 15; Serial No. 429,177; published July 7, 1942.
Mirrors, Rear-view. Liberty Mirror Works. 151,844; renewed Feb. 14, 1942.

CLASS 21

Electric fence controllers. Sears, Roebuck and Co. 397,719–20; Sept. 15; Serial Nos. 452,940–1; published July 7, 1942.
Electric lighting fixtures, Fluorescent. Grand Rapids Store Equipment Company. 397,732; Sept. 15.

CLASS 22

Cards, Playing. J. C. Gaffney. 397,659; Sept. 15; Serial No. 440,465; published July 7, 1942.

CLASS 23

Compressors, motor driven air compressor units, air controlled automobile lifts, etc. and parts thereof, Air. American Brake Shoe and Foundry. 397,736; Sept. 15.
Spraying systems and parts, Water and other liquid. Spray Engineering Company. 158,102; renewed Aug. 22, 1942.

CLASS 26

Flowmeters; ring balance meters; chart type records, etc., Fluid. Republic Flow Meters Company. 397,665; Sept. 15; Serial No. 446,812; published July 7, 1942.
Picture films, Developed motion. J. H. Smith. 397,658; Sept. 15; Serial No. 439,708; published July 7, 1942.

CLASS 27

Watches, watch movements, watch dials, etc. Schein & Engel Company. 397,679; Sept. 15; Serial No. 450,460; published July 7, 1942.

CLASS 28

Flatware, Sterling silver. Home Decorators, Inc. 397,690; Sept. 15; Serial No. 451,748; published July 7, 1942.
Jewelry. N. Levy. 397,696; Sept. 15; Serial No. 452,223; published July 7, 1942.
Jewelry. J. J. Schmukler & Sons. 397,680; Sept. 15; Serial No. 450,462; published July 7, 1942.
Pearls, Simulated individual. Omar, Inc. 397,682; Sept. 15; Serial No. 450,810; published July 7, 1942.
Rings, lockets, bracelets, etc., Finger. I. J. Hopfenberg; 397,709; Sept. 15; Serial No. 452,534; published July 7, 1942.
Stones, Cut. D. Rosenthal. 397,694; Sept. 15; Serial No. 452,134; published July 7, 1942.

CLASS 29

Toothbrushes, hairbrushes, lather or shaving brushes, etc. Stewart & Holmes Drug Co. 160,684; renewed Oct. 24, 1942.

CLASS 33

Bottles and jars, Glass. Owens-Illinois Glass Company. 397,730; Sept. 15.

CLASS 34

Air conditioning units. E. L. Weber. 397,685; Sept. 15; Serial No. 451,154; published July 7, 1942.
Stoves and ranges, Cooking. Washington Stove Works. 397,734; Sept. 15.

CLASS 37

Books. N. Picchione. 397,681; Sept. 15; Serial No. 450,491; published July 7, 1942.
Filing card system. Pure Oil Company. 397,697; Sept. 15; Serial No. 452,293; published July 7, 1942.
Paper and mailing envelopes, Writing. White & Wyckoff Mfg. Co. 397,702; Sept. 15; Serial No. 452,320; published July 7, 1942.
Paper, Printing. International Paper Company. 397,661; Sept. 15; Serial No. 442,630; published July 7, 1942.
Paper, Writing and printing. Ault & Wiborg Company (Far East) 397,674; Sept. 15; Serial No. 450,043; published July 7, 1942.

CLASS 38

Books, Music. D. Appleton-Century Company. 397,724; Sept. 15; Serial No. 453,097; published July 7, 1942.
Comic strip. Bramson Publishing Company. 397,710; Sept. 15; Serial No. 452,599; published July 7, 1942.
Magazine. Frentrup Publishing Company. 397,737; Sept. 15.
Magazine, Street & Smith Publications, Inc. 397,703; Sept. 15; Serial No. 452,381; published July 7, 1942.
Magazines. Schenley Distilleries, Inc. 397,723; Sept. 15; Serial No. 453,039; published July 7, 1942.
Newspaper. Chat, Incorporated. 397,677; Sept. 15; Serial No. 450,414; published July 7, 1942.
Newspaper. Curtiss-Wright Corporation. 397,731; Sept. 15.
Periodical. Free World, Inc. 397,714; Sept. 15; Serial No. 452,688; published July 7, 1942.
Periodical. McGraw-Hill Publishing Company. 397,712; Sept. 15; Serial No. 452,673; published July 7, 1942.
Periodical. McGraw-Hill Publishing Company. 397,713; Sept. 15; Serial No. 452,675; published July 7, 1942.
Valentines and greeting cards. L. Duffy. 397,686; Sept. 15; Serial No. 451,264; published July 7, 1942.

CLASS 39

Diapers. Millville Manufacturing Company. 397,705; Sept. 15; Serial No. 452,402; published July 7, 1942.
Garment accessory, Woman's. Howard's Fifth Avenue Inc. 397,727; Sept. 15.
Hair nets, water wave nets, human hair nets, etc. B. Gusofsky. 397,692; Sept. 15; Serial No. 451,932; published July 7, 1942.
Hats, Ladies'. Ogus, Rabinovich & Ogus, Inc. 397,673; Sept. 15; Serial No. 449,866; published July 7, 1942.
Shields, undershirts, collars, etc., Dress and outer. Enro Shirt Company. 162,068; renewed Dec. 5, 1942.
Skirt drawers and combinations, Women's. D. Bickum. 158,614; renewed Sept. 12, 1942.
Slacks, culottes, dresses, etc. Cowden Manufacturing Company. 397,666; Sept. 15; Serial No. 447,121; published July 7, 1942.

CLASS 40

Needles, Knitting. C. J. Bates & Son. 397,689; Sept. 15; Serial No. 452,303; published July 7, 1942.

CLASS 42

Bedspreads, tablecovers, linens, etc. Labé Importing Co. 397,706; Sept. 15; Serial No. 452,429; published July 7, 1942.
Cotton and rayon and cotton and rayon mixed goods in the piece. Tabin-Picker & Company. 397,691; Sept. 15; Serial No. 451,880; published June 23, 1942.
Rayon piece goods. William Skinner & Sons. 397,688; Sept. 15; Serial No. 451,613; published July 7, 1942.
Rugs. Libertyville Textiles, Inc. 397,663; Sept. 15; Serial No. 443,773; published July 7, 1942.
Towels, scarves, doilies, etc. Artmart Linen Co. Inc. 397,707; Sept. 15; Serial No. 452,442; published July 7, 1942.

CLASS 43

Yarns. Baer Company. 397,735; Sept. 15.

CLASS 44

Cotton, Absorbent. Absorbent Cotton Company of America. 163,016; renewed Jan. 2, 1943.
Nipples and nursing bottles. Dandro-Nox Co. 397,726; Sept. 15; Serial No. 433,237; published July 7, 1942.

CLASS 45

Beverage, Maltless. E. & H. Silverman. 158,094; renewed Aug. 22, 1942.

CLASS 46

Candy. E. J. Brach & Sons. 397,672; Sept. 15; Serial No. 449,221; published July 7, 1942.
Candy. Package Confectionery Company. 162,335; renewed Dec. 12, 1942.
Canned fruits and vegetables. Shield Foods, Inc. 397,717; Sept. 15; Serial No. 452,840; published July 7, 1942.
Cheese. Oregon Dairymen's Cooperative League. 159,975; renewed Oct. 10, 1942.
Coffee. S. A. Schonbrunn & Co. 397,693; Sept. 15; Serial No. 452,058; published July 7, 1942.
Dates. R. C. Nicoll. 397,715; Sept. 15; Serial No. 452,731; published July 7, 1942.

Eggs. Southern States Marketing Cooperative, Incorporated. 397,718; Sept. 15; Serial No. 452,841; published July 7, 1942.
Food product for infants, invalids, and adults. Mead Johnson & Company. 397,676; Sept. 15; Serial No. 450,239; published July 7, 1942.
Fruits and vegetables. Robert R. Greenberg & Co. 397,722; Sept. 15; Serial No. 452,982; published July 7, 1942.
Grapes. R. McCartney. 397,660; Sept. 15; Serial No. 441,679; published July 7, 1942.

CLASS 50

Planographic plates of treated paper. Addressograph-Multigraph Corporation. 397,689; Sept. 15; Serial No. 451,618; published July 7, 1942.
Textile piece goods. Chicago Rubber Clothing Company 397,669; Sept. 15; Serial No. 448,091; published July 7, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF SEPTEMBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Enka Corporation. (See Oppenlaender, Oskar, assignor.)

Oppenlaender, Oskar, Stuttgart, Germany, assignor, by mesne assignments, to American Enka Corporation. Enka, N. C. Manufacture of rayon and the like. Re. 22,178; Sept. 15.

LIST OF DESIGN PATENTEES

Appel, Estelle, New York, N. Y. Negligee. 133,793: Sept. 15.

Bierig, Alex C., Denver, Colo. Airplane. 133,805; Sept. 15.

Carroll, Harry H., Long Beach, and W. C. Wensel, Bellflower, Calif. Ozone generator. 133,787; Sept. 15.

Clemson Bros., Inc. (See Clemson, Richard D., assignor.)

Clemson, Richard D., assignor to Clemson Bros., Inc., Middleton, N. Y. Lawn mower. 133,775; Sept. 15.

Cutler, Elizabeth, New York, N. Y. Dress. 133,806; Sept. 15.

Cutler, Elizabeth, New York, N. Y. Dress. 133,807: Sept. 15.

Decker, Louise, New York, N. Y. Dress. 133,794; Sept 15.

Defiance Machine Works, Inc. (See Hall, Keith W., assignor.)

Erhard, William, North Bergen, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Combined cannula and hub. 133,795; Sept. 15.

Fordyce, Charles L., assignor to Koscherak Bros. Inc., New York, N. Y. Cocktail glass or similar article. 133,776; Sept. 15.

Franklin, Sylvia, New York, N. Y. Dress. 133,808; Sept. 15.

Franklin, Sylvia, New York, N. Y. Dress. 133,809; Sept. 15.

Frechtel, Harry, New York, N. Y. Coat. 133,796; Sept. 15.

Gardenhire, Elsworth W., Stockton, Calif. Airplane. 133,777; Sept. 15.

Gerber, Abraham, Haverhill, Mass. Shoe or similar article. 133,804; Sept. 15.

Goldbert, Max L., New York, N. Y. Coat hanger or similar article. 133,797; Sept. 15.

Gottlieb, Louis, Brooklyn, assignor to Lidz Bros. Inc., New York, N. Y. Belt. 133,798; Sept. 15.

Hall, Keith W., Toledo, assignor to Defiance Machine Works, Inc., Defiance, Ohio. Tableting machine. 133,799; Sept. 15.

Hawxhurst, Lee C., New York, N. Y. Dress. 133,810; Sept. 15.

Hawxhurst, Lee C., New York, N. Y. Dress. 133,811; Sept. 15.

Hawxhurst, Lee C., New York, N. Y. Dress. 133,812; Sept. 15.

Hawxhurst, Lee C., New York, N. Y. Dress. 133,813; Sept. 15.

Hawxhurst, Lee C., New York, N. Y. Dress. 133,814; Sept. 15.

Hawxhurst, Lee C., New York, N. Y. Dress. 133,815; Sept. 15.

Homeijer, Johan G., New York, N. Y. Hanging what-not. 133,778; Sept. 15.

Hovey, C. Earl, trustee. (See Sherman, C. G., and Ryan, assignors.)

Kairalla, Elcanor, New York, N. Y. Combined lipstick container and lipstick. 133,779; Sept. 15.

Koch, Louis A., Louisville, Ky. Automobile exhaust shroud. 133,788; Sept. 15.

Koscherak Bros. Inc. (See Fordyce, Charles L., assignor.)

Landau, Sam, New York, N. Y. Slip. 133,816; Sept. 15.

Lidz Bros. Inc. (See Gottlieb, Louis, assignor.)

Love, Peace, New York, N. Y. Combined magazine and book rack. 133,780; Sept. 15.

Messinger, Harold L., assignor to Sea-Net Manufacturing Co., Terminal Island, Calif. Dive mask. 133,781; Sept. 15.

Pfeiffer, William H., Seattle, Wash. Screw driver. 133,782; Sept. 15.

Porter, Franklin, Chicago, Ill. Safety device for hypodermic needle. 133,783; Sept. 15.

Ramhorst, William J., assignor to The Western Union Telegraph Company, New York, N. Y. Automatic telegraph recorder. 133,789; Sept. 15.

Reynolds, Edwin, Vineland, N. J. Hair curler or similar article. 133,784; Sept. 15.

Reynolds, Edwin, Vineland, N. J. Hair curler or similar article. 133,785; Sept. 15.

Ryan, William P. (See Sherman, C. G., and Ryan.)

Salfeety, Paige, New York, N. Y. Housecoat. 133,800; Sept. 15.

Sandground, Henry W., Larchmont, N. Y. Textile fabric. 133,817; Sept. 15.

Sea-Net Manufacturing Co. (See Messinger, Harold L., assignor.)

Sherman, Charles G., and W. P. Ryan, assignors to C. E. Hovey, Kansas City, Mo., as trustee. Battery charger. 133,790; Sept. 15.

Sherman, Charles G., and W. P. Ryan, assignors to C. E. Hovey, Kansas City, Mo., as trustee. Storage battery charger. 133,791; Sept. 15.

Sherman, Charles G., and W. P. Ryan, assignors to C. E. Hovey, Kansas City, Mo., as trustee. Combined battery charger and tester. 133,792; Sept. 15.

Smith, Gardner M., St. Louis, Mo. Sandal. 133,801; Sept. 15.

Squibb, E. R., & Sons. (See Erhard, William, assignor.)

Steingruber, George, Shelbyville, Tenn. Electric space heater. 133,802; Sept. 15.

Usedom, Robert T., Chicago, Ill. Plaque. 133,786; Sept. 15.

Wagner, William C., New York, N. Y. Girdle anchor. 133,803; Sept. 15.

Wensel, William C. (See Carroll, H. H., and Wensel.)

Western Union Telegraph Company, The. (See Ramhorst, William J., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF SEPTEMBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Winding machine. 2,295,535; Sept. 15.
Abbott Machine Company. (See Abbott, Edward J., assignor.)
Accounting and Tabulating Machine Corporation. (See Wegener, Wilhelm, assignor.)
Adams, Henry H. (See Clifford, W. J., and Adams.)
Ahlrichs, Harm, Petersburg, Ill. Gate. 2,295,525; Sept. 15.
Air Associates Incorporated. (See Caminez, Harold, assignor.)
Ajak Iron Works. (See Mueller, Herman G.)
Akron Standard Mold Company, The. (See Bostwick, Henry C., assignor.)
Albersheim, Walter J., Great Neck, N. Y., assignor to Western Electric Company, Incorporated. Light sensitive circuit. 2,295,536; Sept. 15.
Alderman, Leon D., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Abrading machine. 2,295,622; Sept. 15.
Alford, John M. (See Moore, Frank V., assignor.)
Alien Property Custodian. (See Dietz, Carl.)
Alien Property Custodian. (See Hoelkeskamp, Franz.)
Alien Property Custodian. (See Hubert, E., Rein, and Rossler, assignors.)
Alien Property Custodian. (See Jordan, Ernst.)
Alien Property Custodian. (See Meyer, Ludwig.)
Alien Property Custodian. (See Nagel, August.)
Alien Property Custodian. (See Wagner, Herbert.)
Alien Property Custodian. (See Weissenborn, Albert.)
Alien Property Custodian. (See Weisz, Rezso.)
Allen, Henry H., London, England. Apparatus for measuring fluid pressure. 2,296,237; Sept. 15.
Allied Chemical & Dye Corporation. (See Talbert, G. W., and Blizzard, assignors.)
Aluminum Company of America. (See Hogg, Emerson E., assignor.)
American Anode Inc. (See Beal, Carl L., assignor.)
American Anode Inc. (See Hansen, Merrill E., assignor.)
American Can Company. (See Begg, Thomas, assignor.)
American Can Company. (See Magill, Donald G., assignor.)
American Can Company. (See Smith, William R., assignor.)
American Can Company. (See Woolford, Custis S., assignor.)
American Cyanamid Company. (See Caryl, Coleman R., assignor.)
American Cyanamid Company. (See Boblin, R. O., Jr., and Winnek, assignors.)
American Cyanamid Company. (See Winnek, Philip S., assignor.)
American Lady Corset Company. (See Lee, Fred M., assignor.)
American Pulley Company. (See Renton, Henry N., assignor.)
American Rock Wool Corporation. (See Drill, Daniel C., assignor.)
American Safety Razor Corporation. (See Dalkowitz, Godfrey, assignor.)
American Smelting and Refining Company. (See Fleming, E. P., and Fitt, assignors.)
American Steel Foundries. (See Cottrell, Robert B., assignor.)
American Steel Foundries. (See Flesch, John E., assignor.)
American Steel Foundries. (See Tack, Carl E., assignor.)
American Stove Company. (See Brodbeck, Almer H., assignor.)
Anchor Hocking Glass Corporation. (See Bell, William D., assignor.)
Anderson, Ernest A. (See Brown, E. E., Anderson, and Schaper.)
Anderson, Helmer, Minneapolis, Minn., assignor to General Mills, Inc. Gluing head. 2,296,079; Sept. 15.
Anderson, Thomas. (See Morgan, J. D., and Anderson.)
Anderson, Verne R., assignor of one-third to W. H. Woodin, Jr., Tucson, Ariz. Method and apparatus for pick-up and delivery by aircraft in flight. 2,295,537; Sept. 15.
Apex Electrical Manufacturing Company, The. (See Fields, George C., assignor.)
Apex Electrical Manufacturing Company, The. (See Frantz, Paul E., assignor.)
Applied Mechanics Co., The. (See Rudolf, Henry J. G., assignor.)
Aridor Company, The. (See Safranski, S., and Millenaar, assignors.)
Armentrout, Arthur L., Long Beach, Calif., assignor of one-third to E. B. Hall and one-third to V. P. Baker. Apparatus for cementing objects in well bores. 2,295,822; Sept. 15.
Armbruster, Richard. (See Krzikalla, H., and Armbruster.)
Armstrong Cork Company. (See Powers, Paul O., assignor.)
Armstrong, James, et al. (See Oliver, Elmo F., assignor.)
Armstrong, William H., Plymouth, Mass. Nonmetallic piping. 2,295,623; Sept. 15.
Arrowood, John B., Concord, N. C. Traveling bag. 2,296,080; Sept. 15.
Artistic Foundations, Inc. (See Kahn, Mack, assignor.)
Aspin, Frank M., Bury, England. Lubrication of rotary valves. 2,296,081; Sept. 15.
Atkins, Thomas R., Cliftondale, assignor of forty per cent to L. L. Witter, Boston, Mass. Match packet. 2,296,008; Sept. 15.
Atlas Supply Company. (See Heyer, Benjamin F. W., assignor.)
Audio Manufacturing Corp., The. (See Dech, Raymond S., assignor.)
Austin, Herbert G., et al. (See Jones, Llewellyn, assignor.)
Austral Sales Corporation. (See Hagstrom, Carl J., assignor.)
Babcock & Wilcox Company, The. (See Bailey, Ervin G., assignor.)
Bader, Don C. (See Bader, Lowell R. and D. C.)
Bader, Lowell R. and D. C., Edison, Ohio. Door light switch. 2,296,009; Sept. 15.
Badger Meter Manufacturing Company. (See Miller, Jacob C., assignor.)
Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J. Steam generator. 2,295,538; Sept. 15.
Baird, William, and M. Jones, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Rubber antioxidants. 2,295,985; Sept. 15.
Bakelite Corporation. (See Meharg, V. E., and Coons, assignors.)
Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Packing device. 2,295,770; Sept. 15.
Baker, Virgil P., et al. (See Armentrout, Arthur L., assignor.)
Balthasar, Harry G., Cincinnati, Ohio. Device for Venetian blinds. 2,296,010; Sept. 15.
Bancroft, Alfred G., Chicago, Ill., assignor to Standard Railway Devices Company. Refrigerator car construction. 2,295,624; Sept. 15.
Bancroft, Alfred G., assignor to Standard Railway Devices Company, Chicago, Ill. Refrigerator car construction. 2,295,625; Sept. 15.
Bane, John B., et al. (See Oliver, Elmo F., assignor.)
Banigan, Thomas F., Kenmore, and O. E. Snyder, Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial structure. 2,295,823; Sept. 15.
Barnes, Carl E., Worcester, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Allyl esters of acrylic acid and homologues. 2,295,923; Sept. 15.
Barnes, Carl E., Worcester, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Alpha substituted allyl esters of acrylic acid and homologues. 2,295,924; Sept. 15.
Batesole, Dwight E., Glenbrook, assignor to Norma-Hoffman Bearings Corporation, Stamford, Conn. Protective covering for bearings. 2,295,771; Sept. 15.
Batsel, Mary N., North Hollywood, Calif. Therapeutic hair drier. 2,295,824; Sept. 15.
Batson, William O., and H. B. Harris, Garber, Okla. Hydraulic volume standing valve. 2,296,135; Sept. 15.
Beach, Alexander, assignor to Puritan Company, Rochester, N. Y. Apparatus for servicing hydraulic brakes. 2,295,539; Sept. 15.
Beal, Carl L., Cuyahoga Falls, assignor to American Anode Inc., Akron, Ohio. Deposition form. 2,296,011; Sept. 15.
Beatty, William E., et al. (See Dietzmann, S. J., and Riemann, assignors.)
Bechtel, Irene N. (See Bechtel, Marley E., assignor.)
Bechtel, Marley E., assignor to Irene N. Bechtel, Kenmore, N. Y. Apparatus for perforating sheet material. 2,296,136; Sept. 15.
Beck, Carl E., San Francisco, Calif. Artificial limb. 2,296,012; Sept. 15.
Beck, Nelson, Burbank, assignor of twenty-five per cent to R. E. Conaway, Los Angeles, and twenty-five per cent to P. L. Montemurro, Inglewood, Calif. Shoe rack. 2,295,886; Sept. 15.

Bee, George A., Detroit, and J. E. McBride, Highland Park, assignors to Palmer-Bee Company, Detroit, Mich. Steel mill conveyer. 2,295,526; Sept. 15.
Beem, Birdie L. (See Elliott, Thomas S., Sr., assignor.)
Beeman, Henry F., and R. L. Cruit, Denver, Colo. Hat holder. 2,295,707; Sept. 15.
Beese, Norman C., Verona, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Discharge lamp and manufacture. 2,295,626; Sept. 15.
Begg, Thomas, Nutley, N. J., assignor to American Can Company, New York, N. Y. Container. 2,295,540; Sept. 15.
Behr, Gustave E., New York, N. Y., and Lloyd H. Schroeder, Mountain Lakes, N. J., assignors to National Lead Company, New York, N. Y. Purifying metals. 2,296,196; Sept. 15.
Beier, Kurt A., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Fluid sealing device. 2,295,627; Sept. 15.
Bell Telephone Laboratories, Incorporated. (See Depp, Wallace A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
Bell Telephone Laboratories, Incorporated. (See King, Douglas H.)
Bell Telephone Laboratories, Incorporated. (See Pollard, Charles E., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Towne, Charles C., assignor.)
Bell, William D., Columbus, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Apparatus for sealing containers. 2,296,013; Sept. 15.
Bellamy, John L. (See Sloan, W. E., and Bellamy.)
Belmont Radio Corporation. (See Plensler, Alexander W., assignor.)
Bendix Aviation Corporation. (See Deschamps, Desire J., assignor.)
Bennett, Percy A. (See Weed, M. D., and Bennett.)
Benzel, George J. (See Benzel, George, Sr., G. J., and J., Jr.)
Benzel, George, Sr., G. J. and J., Jr., Walla Walla, Wash. Grain tank. 2,296,014; Sept. 15.
Benzel, Jake, Jr. (See Benzel, George, Sr., G. J., and J., Jr.)
Bertea, Alex, Los Angeles, assignor, by mesne assignments, to Bertea Products, Glendale, Calif. Dynamo. 2,296,137; Sept. 15.
Bertea Products. (See Bertea, Alex, assignor.)
Bethlehem Steel Company. (See Steffensen, Percy L., assignor.)
Bezark, Leonard J., Chicago, Ill. Garment-package board. 2,296,138; Sept. 15.
Biederman, Edward G., and D. S. Harder, assignors to General Motors Corporation, Detroit, Mich. Multiple spot welder. 2,295,925; Sept. 15.
Biedermann, Friedrich, Munich-Unterhaching, Germany, assignor to General Aniline & Film Corporation, New York, N. Y. Apparatus for the reversal of color negatives. 2,295,628; Sept. 15.
Bierk, Valle C., St. Louis, Mo. Clasp. 2,296,082; Sept. 15.
Bitter, Raymond E., assignor to Vultex Chemical Company, Cambridge, Mass. Toy balloon. 2,295,708; Sept. 15.
Bixby, Carl L., and R. Lapsley, Berrien Springs, assignors to Clark Equipment Company, Buchanan, Mich. Fluid coupling. 2,295,887; Sept. 15.
Blackhawk Mfg. Co. (See Mandl, Siegmund, assignor.)
Blair, Farnham, Washington, D. C. Container. 2,296,139; Sept. 15.
Bletcher, Ralph E. (See Bucknell, E. H., and Bletcher.)
Blizzard, Everett W. (See Talbert, G. W., and Blizzard.)
Bloom, Gertrude and I., New York, N. Y. Glove holder. 2,296,083; Sept. 15.
Bloom, Gertrude and I., New York, N. Y. Glove holder. 2,296,084; Sept. 15.
Bloom, Gertrude and I., New York, N. Y. Glove holder. 2,296,197; Sept. 15.
Bloom, Israel. (See Bloom, Gertrude and I.)
Bock, Louis H., Glenside, assignor to Rohm & Haas Company, Philadelphia, Pa. Alphyloxymethyl amines. 2,295,709; Sept. 15.
Boesger, George A., North Olsted, assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Abrasive throwing machine. 2,295,926; Sept. 15.
Bogardus, Leonard R., assignor to Packard Motor Car Company, Detroit, Mich. Distribution system for electricity. 2,295,825; Sept. 15.
Boldt, Alvin M., Vallejo, Calif. Truck loading device. 2,296,085; Sept. 15.
Bol-Mac Products Company. (See McConnohie, Levi L., assignor.)
Bond, Donald S., Philadelphia, Pa., assignor to Radio Corporation of America. Frequency control system. 2,295,629; Sept. 15.
Boosey, Edward W. N., Detroit, Mich. Vacuum breaker for water systems. 2,295,986; Sept. 15.
Booth, William K. (See Glaze, Herbert L., assignor.)
Borden Company, The. (See Kinney, Walter B., assignor.)
Bosch, Carl, Berlin, Germany, assignor to General Electric Company. Dry plate rectifier element or the like. 2,296,015; Sept. 15.
Bostwick, Elmer P., Oak Park, Ill., dedicated to the free use of the People in the territory of the United States. Consistometer. 2,295,710; Sept. 15.
Bostwick, Henry C., Coventry Township, Summit County, assignor to The Akron Standard Mold Company, Akron, Ohio. Tire mold. 2,296,016; Sept. 15.
Botteron, Gerald, assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Water indicator for fuel systems. 2,295,927; Sept. 15.
Bound, Rowland H., and G. H. Dowty, Cheltenham, England, assignors to Dowty Equipment Limited. Unilaterally supported resilient wheel mounting for aircraft undercarriages. 2,296,017; Sept. 15.
Bowen, George W., Houston, Tex. Overshot grapple. 2,295,630; Sept. 15.
Bower, James A., Chester, W. Va., assignor to The Taylor, Smith & Taylor Company. Method and apparatus for glazing ceramic ware. 2,295,928; Sept. 15.
Bowley, Eve M. (See Bowley, Raymond E.)
Bowley, Raymond E., San Anselmo, Calif., by decree of distribution to E. M. Bowley. Electrodynamic and electroacoustical apparatus. 2,295,527; Sept. 15.
Boxer, Moses, San Francisco, Calif. Hairpin and clip holder. 2,295,987; Sept. 15.
Boyce, William A., Bridgeport, Conn. Decorticating machine. 2,295,929; Sept. 15.
Boyer, John H., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making shoes. 2,295,631; Sept. 15.
Boyle, Edward D., Valdosta, Ga. Apparatus for making cementitious articles. 2,296,018; Sept. 15.
Boynton, Alexander, San Antonio, Tex. Treadless drill stem. 2,296,198; Sept. 15.
Brace, George A., Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,295,988; Sept. 15.
Brav, Adolf, Brooklyn, N. Y. Hat. 2,295,826; Sept. 15.
Breen, Henry D., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Latch mechanism. 2,295,711; Sept. 15.
Breen, Henry D., and O. L. Champion, assignors to Union Asbestos & Rubber Company, Chicago, Ill. Hatch cover lifter. 2,295,827; Sept. 15.
Brenner, Karl. (See Gerth, William E., assignor.)
Breth, Walter J., assignor to The General Tire & Rubber Company, Akron, Ohio. Apparatus for forming fabric bands. 2,295,541; Sept. 15.
Breth, Walter J., assignor to The General Tire & Rubber Company, Akron, Ohio. Band building drum. 2,295,542; Sept. 15.
Bridgeport Metal Goods Manufacturing Company, The. (See Houlihan, Rudolph N., assignor.)
Brinck Engineering Company. (See Vermillion, Raymond H., assignor.)
Brodbeck, Almer H., assignor to American Stove Company, St. Louis, Mo. Swing-out broiler. 2,296,140; Sept. 15.
Brookes, Cyril H., Sydney, New South Wales, Australia, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Shearing machine. 2,296,230; Sept. 15.
Brookes, Cyril H., Sydney, New South Wales, Australia, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Shearing machine. 2,296,231; Sept. 1.
Brown, Earl E., and Ernest A. Anderson, Minneapolis, and William H. Schaper, Robbinsdale, Minn. Selective indicating and display device. 2,296,141; Sept. 15.
Brown Instrument Company, The. (See Gess, Louis, assignor.)
Brown Instrument Company, The. (See Keeler, Earl A., assignor.)
Brown Instrument Company, The. (See Moore, Coleman B., assignor.)
Brown, Tobe, Marion, N. C. Combination step and straight ladder. 2,295,930; Sept. 15.
Brown, William J., West Englewood, N. J., assignor to Western Electric Company, Incorporated. Recorder-reproducer head. 2,295,715; Sept. 15.
Bryant Electric Company, The. (See Hodgkins, Charles H., assignor.)
Bucklen-Baer Laboratories, Inc. (See Trautman, C. W., and Bucklen, III., assignors.)
Bucklen, Herbert E., III. (See Trautman, C. W., and Bucklen, III.)
Buckley, Arthur H., Chicago, Ill. Control apparatus. 2,295,713. Sept. 15.
Bucknell, Ernest H., and R. E. Bletcher, assignors, by mesne assignments, to Modern Faucet Co., Los Angeles, Calif. Combination fixture. 2,295,888; Sept. 15.
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Bufton, Fredrick C., Premiar, British Columbia, Canada. Cooking range or stove. 2,295,889; Sept. 15.
Bullard Company, The. (See Bullard, Edward P., III, assignor.)
Bullard, E. D., Company. (See Ludwell, Frederick R., assignor.)
Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Hydraulic machine tool mechanism. 2,295,543. Sept. 15.
Bunker, Royce S., Baltimore, Md., assignor to The Linen Thread Co., Inc., New York, N. Y. Tennis net center band attaching equipment. 2,296,086; Sept. 15.

Burns, Maland F., Jr., Brooklyn, N. Y. Rivet cutter. 2,296,087; Sept. 15.
Buskes, Willem M., Velden, assignor to Naamlooze Vennootschap Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Production of screen reflex copies. 2,295,632; Sept. 15.
Bussmann, Henry T., St. Louis, Mo. Protector for electric circuits. 2,295,828; Sept. 15.
Butler, William F. See Cutter, F. A., and Butler.)
Byron Jackson Co. (See Hollander A., Hoover, and Nazro, assignors.)
California Fruit Growers Exchange. (See Platt, William C., assignor.)
Camarena, Guillermo G., Mexico City, Mexico. Chromoscopic adapter for television equipment. 2,296,019; Sept. 15.
Caminez, Harold, Hackensack, assignor to Air Associates Incorporated, Bendix, N. J. Relief valve. 2,295,931; Sept. 15.
Campbell, Samuel J., Green Bay, Wis. Packaging machinery. 2,296,142; Sept. 15.
Campbell, Walter J., assignor to Keystone Brass & Rubber Co., Philadelphia, Pa. Combined valve facing and securing means. 2,295,772; Sept. 15.
Campbell, William B., and J. M. Johnson, Great Bend, Kans. Cathead. 2,295,932. Sept. 15.
Cantrell, Troy L., Lansdowne, and C. L. Suplee, Malvern, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Stabilizing solutions of tetra-alkyl lead compounds. 2,296,199; Sept. 15.
Cantrell, Troy L., Lansdowne, and C. L. Suplee, Malvern, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Stabilizing solution of tetra-alkyl lead compounds. 2,296,200; Sept. 15.
Cardox Corporation. (See Ensminger, H., and Getz, assignors.)
Carlson, Bert G., Willobee, assignor to The Weatherhead Company, Cleveland, Ohio. Vibration dampener. 2,295,829; Sept. 15.
Carlson, Lester A., Pittsburgh, Pa., assignor to Scovill Manufacturing Company, Waterbury, Co.. Hose coupling. 2,295,830; Sept. 15.
Carmo, John J., Billerica, Mass. Poultry feeder. 2,296,143; Sept. 15.
Carter, Darrel, Riddle, Oreg. Nutcracker. 2,296,088; Sept. 15.
Carter, Mark, Los Angeles, Calif. Lock. 2,296,020; Sept. 15.
Carter, Sidney T., Frankfort, Ky., assignor to Schenley Distillers Corporation, New York, N. Y. Mechanism for handling bottles and other articles. 2,296,201; Sept. 15.
Caryl, Coleman R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Detergent composition. 2,295,831; Sept. 15.
Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Mop wringer. 2,295,933; Sept. 15.
Celanese Corporation of America. (See Elvin, W. J., Stahl, Reel and Duckworth, assignors.)
Celanese Corporation of America. (See Fellows, L., and Mellers, assignors.)
Century Electric Company. (See Schiff, Martin, assignor.)
Champion, Oliver L. (See Breen, H. D., and Champion.)
Chapman, Elmer V., Tinley Park, Ill. Automobile signal light switch. 2,296,021; Sept. 15.
Chase, Corson W., assignor to Chicago Pump Company, Chicago, Ill. Comminuting means. 2,295,633; Sept. 15.
Chedister, Guy A., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Manifold. 2,295,832; Sept. 15.
Chenicek, Joseph A., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of gasoline. 2,295,773; Sept. 15.
Chernow, Michael, New York, N. Y. Monogram attachment. 2,296,022; Sept. 15.
Chicago Flexible Shaft Company. (See Brookes, Cyril H., assignor.)
Chicago Flexible Shaft Company. (See Musolf, Paul J., assignor.)
Chicago Pump Company. (See Chase, Corson W., assignor.)
Child, Ivan C., Joliet, Ill. Steaming device. 2,295,544; Sept. 15.
Christensen, Niels A., Cleveland, Ohio. Pressure reducing means. 2,296,145; Sept. 15.
Chrysler Corporation. (See Gonzalez, R. A., and Simonson, assignors.)
Chrysler Corporation. (See Williams, Burdell S., assignor.)
Cities Service Oil Company. (See Morgan, J. D., and Anderson, assignors.)
Cities Service Oil Company. (See Porter, E. D., and Lisle, assignors.)
Cities Service Oil Company. (See Wydler, Johann J., assignor.)
Clark, Bradford J., assignor to The Permutit Company, New York, N. Y. Water treating apparatus. 2,295,714; Sept. 15.
Clark Equipment Company. (See Bixby, C. L., and Lapsley, assignors.)
Clark Equipment Company. (See Grater, A. E., and Schirmer, assignors.)
Clark Equipment Company. (See Williams, Alfred O., assignor.)
Clark, J. L., Manufacturing Co. (See Mills, Wallace C., assignor.)
Clark, Louis B., assignor of one-half to C. E. Pool, Beaumont, Tex. Delivery truck body. 2,295,934; Sept. 15.
Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Overdrive control system. 2,295,715; Sept. 15.
Cleveland Tractor Company, The. (See Heaslet, James G., assignor.)
Clifford, Wilfred J., and H. H. Adams, Brentford, England, assignors to Parker Rust Proof Company, Detroit, Mich. Treatment of metal. 2,295,545; Sept. 15.
Cohen, Harold, Elizabeth, N. J. Hinge assembly. 2,296,144; Sept. 15.
Collins, Arthur J., Corpus Christi, Tex. Gun for perforating well casing within the well. 2,295,634; Sept. 15.
Collom, Cletus J., assignor to Weltronic Corporation, Detroit, Mich. Timer. 2,295,635; Sept. 15.
Combridge, George A., Los Angeles, Calif. Welding rod holder. 2,295,546; Sept. 15.
Combustion Engineering Company. (See Gordon, Charles W., assignor.)
Comstock, George F., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Alloy for treatment of steel. 2,295,706; Sept. 15.
Conaway, Raymond E., et al. (See Beck, Nelson, assignor.)
Conrad, Edna J., Grand Rapids, Mich. Doll. 2,295,890; Sept. 15.
Consolidated Sewing Machine & Supply Co. Inc. (See Ingwer, Max, assignor.)
Container Testing Laboratories. (See Gross, Theodore J., assignor.)
Coons, Kenneth W. (See Meharg, V. E., and Coons.)
Copeman, Lloyd G., Flint, Mich. Bird house construction. 2,295,891; Sept. 15.
Corydon, Jeff, and H. E. Hollberg, Providence, R. I. Pump valve. 2,295,774; Sept. 15.
Cotchett, Louis M., Hingham, assignor to Saco-Lowell Shops, Boston, Mass. Spinning, twisting, and similar textile machine. 2,295,935; Sept. 15.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Stabilizing device. 2,295,547; Sept. 15.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Spring control unit. 2,295,548; Sept. 15.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,295,549; Sept. 15.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Quick wheel change truck. 2,295,550; Sept. 15.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Ride control unit. 2,295,551; Sept. 15.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Ride control unit. 2,295,552; Sept. 15.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,295,553; Sept. 15.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,295,554; Sept. 15.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,295,555; Sept. 15.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Quick wheel change truck. 2,295,557; Sept. 15.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,295,558; Sept. 15.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Side frame. 2,295,936; Sept. 15.
Cox, Ora C., Elmhurst, Ill. Pipe union. 2,295,716; Sept. 15.
Crampton Manufacturing Company. (See Pleasant, H. E., and Keller, assignors.)
Crane, Louis E., and M. Haggard, Hobbs, N. Mex. Screen separator. 2,295,937; Sept. 15.
Crawford, Arthur C., Rodeo, Calif. Dredger. 2,295,717; Sept. 15.
Crawford, Harry H., Wellsburg, W. Va., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Apparatus for applying supplemental members to bag ends. 2,296,146; Sept. 15.
Cremer, George, Milwaukee, Wis. Marine velocipede. 2,296,147; Sept. 15.
Crittenden, Philip L., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor control apparatus. 2,295,775; Sept. 15.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulation receiver tuning indicator. 2,296,089; Sept. 15.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulation receiver. 2,296,090; Sept. 15.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulation detector circuits. 2,296,091; Sept. 15.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Differential detector circuits. 2,296,092; Sept. 15.
Crotts, James K., Winston-Salem, N. C. Hair curler. 2,295,892; Sept. 15.
Crown Can Company. (See Gladfelter, W. I., and Kauffmann, assignors.)
Crown Cork & Seal Company. (See Gladfelter, Wiltie I., assignor.)
Cruit, Robert L. (See Beeman, H. F., and Cruit.)
Cumfer, Donald A., Ridgewood, N. J., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Supporting device. 2,295,640; Sept. 15.
Currie, Frank L., Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Metering system. 2,295,630; Sept. 15.
Curtis, John B., Nichols, W. V. Mounts, and W. S. Reynolds, Stratford, Conn., assignors to Remington Arms Company, Inc. Assembling machine. 2,295,776; Sept. 15.
Cutler-Hammer, Inc. (See Krieger, Alvin W., assignor.)
Cutler-Hammer, Inc. (See Russell, Frank J., assignor.)
Cutter, Fred A., Oakland, and W. F. Butler, assignors to Cutter Laboratories, Berkeley, Calif. Measuring the degree of vacuum in sealed containers. 2,295,528; Sept. 15.
Cutter Laboratories. (See Cutter, F. A., and Butler, assignors.)
Daggett, Harry H. (See Gillanders, A. C., and Daggett.)
Dahlberg, Carl, Duluth, Minn. Dry cleaning unit. 2,295,718; Sept. 15.
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignor to General Electric Company. Pyrimidyl cyanoalkyl sulphides. 2,295,559; Sept. 15.
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Pyrimidine derivatives. 2,295,560; Sept. 15.
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignor to General Electric Company. Triazinyl cyanoalkyl sulphides. 2,295,561; Sept. 15.
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignor to General Electric Company. Trizine derivatives. 2,295,562; Sept. 15.
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Diazine derivatives. 2,295,563; Sept. 15.
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Diazine derivatives. 2,295,564; Sept. 15.
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Triazine derivatives. 2,295,565; Sept. 15.
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Diazine derivatives. 2,295,566; Sept. 15.
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Triazine derivatives. 2,295,567; Sept. 15.
Daikowitz, Godfrey, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Shaving device. 2,296,093; Sept. 15.
Daikowitz, Godfrey, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Shaving device. 2,296,094; Sept. 15.
Daikowitz, Godfrey, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Dry shaver. 2,295,095; Sept. 15.
Dallenbach, Frederick, Inglewood, and J. K. Northrop, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Burner. 2,296,023; Sept. 15.
David, Roy L., San Jose, Calif. Artificial hand 2,295,719; Sept. 15.
Davidson, James G. (See Tucker, John R., assignor.)
Davis, Ernest W., River Forest, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,296,148; Sept. 15.
Davis, Harold S. (See Dockson, C. L., and Davis.)
Dech, Raymond S., Stamford, assignor to The Audio Manufacturing Corp., Glenbrook, Conn. Making phonograph disks. 2,295,938; Sept. 15.
De France, Frank B., New York, N. Y. Clothes plunger. 2,296,149; Sept. 15.
De la Torre, Manuel, Houston, Tex. Cigarette extinguisher and ash tray. 2,295,568; Sept. 15.
Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Controlling heating and quenching. 2,295,777; Sept. 15.
Dennison Manufacturing Company. (See Stillwell, Charles W., assignor.)
Dental Research Corporation. (See Prange, Charles H., assignor.)
Depp, Wallace A., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gaseous electron discharge device. 2,295,569; Sept. 15.
Deppe, Joseph A. (See Nystrom, K. F., and Deppe.)
Deschamps, Desire J., Rutherford, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Pumping mechanism. 2,295,833; Sept. 15.
Detrich, Donald J., Columbus, assignor to The Steel Storage File Company, Cleveland, Ohio. Interlock. 2,295,893; Sept. 15.
Detroit Delson Company, The. (See Kennedy, David C., assignor.)
Dewan, Leon, New York, N. Y. System for controlling lighting circuits and like circuits. 2,295,894; Sept. 15.
Dietz, Carl, Kronberg, Taunus, Germany; vested in the Alien Property Custodian. Highly refractory mass. 2,295,637; Sept. 15.
Dietzmann, Siegfried J., Los Angeles, and K. F. Riemann, Santa Paula, assignors of two and one-half per cent to W. E. Beatty and two and one-half per cent to A. P. Reuther, Los Angeles, Calif. Sucker rod tool. 2,295,720; Sept. 15.
Dinnick, George M. (See Mouromtseff, I. E., and Dinnick.)
Dockson, Charles H., Detroit, and H. S. Davis, Grosse Pointe Park, Mich., assignors to The Martindale Electric Company. Respirator means. 2,296,150; Sept. 15.
Doetsch, Joseph, near Los Gatos, Calif. Fruit halving knife. 2,295,721; Sept. 15.
Doman, John P., Los Angeles, Calif. Hinge. 2,295,638; Sept. 15.
Donaldson, John S., St. Albans, N. Y. Tire chain link. 2,295,722; Sept. 15.
Doran Brothers, Incorporated. (See Schultze, Paul, assignor.)
Dorsch, Russell F., San Antonio, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Acid-treating process. 2,206,096; Sept. 15.
Dover, Samuel M., Chicago, Ill. Signal lamp unit. 2,296,151; Sept. 15.
Dow Chemical Company, The. (See Hanawalt, J. D., and Nelson, assignors.)
Downing, John H., Cleveland, Ohio. Device for handling photographic negatives. 2,296,152; Sept. 15.
Dowty Equipment Limited. (See Bound, R. H., and Dowty, assignors.)
Dowty, George H. (See Bound, R. H., and Dowty.)
Drain, Herbert D., assignor of one-half to R. F. Hull, Chicago, Ill. Scribing tool for wall linoleum and similar coverings. 2,296,232; Sept. 15.
Drake, Earl D., Grand Rapids, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,296,024; Sept. 15.
Drew, William F., Los Angeles, Calif. Metal reinforcing for wooden frame buildings. 2,295,834; Sept. 15.
Drill, Daniel C., Wabash, assignor to American Rock Wool Corporation, Wabash County, Ind. Producing fibers from suitable molten materials. 2,295,639; Sept. 15.
Drying Systems, Inc. (See Yates, Robert E., assignor.)
Duckworth, Joseph H. (See Elvin, W. J., Stahl, Reel, and Duckworth.)
Duden, Merritt, Indianola, Iowa. Sweep rake stacker and loader. 2,295,895; Sept. 15.
Duncan, Charles R., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile steering and ignition locking assembly. 2,295,723; Sept. 15.
Dunmore, Francis W., Washington, D. C., assignor to the Government of the United States as represented by the Secretary of Commerce. Humidity measuring. 2,295,570; Sept. 15.
Dunn, William C. (See Denneen, F. S., and Dunn.)
Du Pont, E. I., de Nemours & Company. (See Banigan, T. F., and Snyder, assignors.)
Du Pont, E. I., de Nemours & Company. (See Barnes, Carl E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Fields, Reuben T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hardy, Vernal R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Holzwarth, Charles, assignor.)
Du Pont, E. I., de Nemours & Company. (See Miles, J. B., Jr., assignor.)
Du Pont, E. I., de Nemours & Company. (See Ridler, Earl S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Schreiber, Richards S., assignor.)
Du Pont, E. I., de Nemours & Co. (See Sloan, Clifford K., assignor.)
Dwyer, William M., assignor to W. H. Miner, Inc., Chicago, Ill. Hatch cover fastener. 2,295,778; Sept. 15.
Eckert, Wilhelm, and K. Schilling, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Chromable dyestuffs of the triarylmethane series and preparing them. 2,296,153; Sept. 15.
Edahl, Knute. (See Holland, Cyrus J. and C. E., and Edahl.)
Edfors, Sven E., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Builder motion for spinning and twister frames. 2,295,724; Sept. 15.
Ehrke, Louis F. (See Slack, C. M., and Ehrke.)
Eklof, Erling W., Minneapolis, Minn. Toy submarine. 2,295,835; Sept. 15.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Acceleration responsive device. 2,295,725; Sept. 15.
Elliott, Thomas S., Sr., deceased, assignor of one-half to B. L. Beem, Norfolk, Va.; T. E. Evans, administratrix. Ice tray. 2,295,939; Sept. 15.
Elliott, Thomas C., Sr., deceased, T. E. Evans, administratrix, assignor of one-half to B. L. Beem, Norfolk, Va. Bottle dispensing and cooling apparatus. 2,296,154; Sept. 15.

Ellis, Norman S., Hamilton, Ontario, Canada, assignor to Metal Textile Corporation, West Orange, N. J. Wire cable or rope. 2,295,726; Sept. 15.

Elvin, William J., Frostburg, Md., E. R. Stahl, Meyersdale, Pa., R. D. Reel, Keyser, W. Va., and J. H. Duckworth, Lonaconing, Md., assignors to Celanese Corporation of America. Cleaning apparatus. 2,295,642; Sept. 15.

Emery, Frederic H., Bedford, and I. Levis, Cleveland Heights, assignors of one-half to The Harshaw Chemical Company, Cleveland, Ohio, and one-half to Tennessee Eastman Corporation, Kingsport, Tenn. Mineral feedstuff. 2,295,643; Sept. 15.

Emiley, Alfred, New Lenox, Ill. Cleaning composition. 2,296,097; Sept. 15.

English, John C., assignor to Johnson Gas Appliance Company, Cedar Rapids, Iowa. Ignition and control means for fuel burners. 2,296,025; Sept. 15.

Ensminger, Harry, Evanston, and C. A. Getz, Glen Ellyn, assignors to Cardox Corporation, Chicago, Ill. Method and apparatus for extinguishing fires. 2,295,571; Sept. 15.

Epstein, David W., Merchantville, N. J., assignor to Radio Corporation of America. Projection apparatus. 2,295,779; Sept. 15.

Equipment Engineering Company. (See Glaze, Herbert L.)

Erdman, Jay, et al. (See Mahar, Harry A., assignor.)

Erenberg, Herbert. (See Kustodowich, J., and Erenberg.)

Ernst, Walter. (See Pocock, P. C., and Ernst.)

Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del. Selective delivery reduction means for variable delivery pumps. 2,295,780; Sept. 15.

Ersted, Alfred J., Menlo Park, Calif. Bag turning machine. 2,295,940; Sept. 15.

Evans, Thelma E., administratrix. (See Elliott, Thomas S., Sr.)

Even-Pul Foundations, Inc. (See Rosner, Irving, assignor.)

Ever-Ready Razor Products Ltd. (See McClure, Ernest C., assignor.)

Fahlen, Frederick T., Phoenix, Ariz. Single trigger device. 2,295,941; Sept. 15.

Falconer, John W. (See White, J., and Falconer.)

Fallows, Leonard, and E. V. Mellers, Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of ketene, acetic anhydride, and homologues thereof. 2,295,644; Sept. 15.

Farfel, Victor M., Camden, and J. C. Smith, Haddon Heights, N. J., assignors to Radio Corporation of America. Radio tuning system. 2,296,098; Sept. 15.

Farnham, Sherman B., Schenectady, N. Y., assignor to General Electric Company. Protection of alternating current electric power systems. 2,296,099; Sept. 15.

Federal Aircraft Engine Corporation. (See Toce, Charles A. and V. J., assignors.)

Feinberg, Archie S., Dallas, Tex. Evaporative air cooler and humidifier. 2,296,155; Sept. 15.

Fellows, Julian R., Urbana, and J. C. Miles, Champaign, assignors, by mesne assignments, to University of Illinois Foundation, Urbana, Ill. Down-draft furnace. 2,295,781; Sept. 15.

Fernald, William I., Glendale, assignor to C. C. Moseley, Beverly Hills, Calif. Rudder reflex developer. 2,295,836; Sept. 15.

Fichter, Ludwig. (See Schwarz, B. A., and Fichter.)

Fields, George C., Euclid, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Timer mechanism. 2,296,233; Sept. 15.

Fields, Reuben T., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of filaments. 2,295,942; Sept. 15.

Finch, William G. H., Newtown, Conn. Duplex facsimile transceiver. 2,295,572; Sept. 15.

Finney, John H. V., Denver, Colo., assignor to H. C. Hirsch, El Paso, Tex. Thickener. 2,295,943; Sept. 15.

Fitt, T. C. (See Fleming, Edward P., and Fitt.)

Fitzgerald, John R., Harlingen, Tex. Garment measuring and shaper-drier apparatus for dry cleaners. 2,295,989; Sept. 15.

Fitzsimmons, Richard R., Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,295,944; Sept. 15.

Flakall Corporation. (See Schwebke, C. J., and Hoadley, assignors.)

Fleming, Edward P., and T. C. Fitt, Salt Lake City, Utah, assignors to American Smelting and Refining Company, New York, N. Y. Recovery of sulphur dioxide from gas mixtures. 2,295,587; Sept. 15.

Flesch, John E., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,295,559; Sept. 15.

Flynn, Benjamin H., Alexandria, La. Road roller. 2,295,645; Sept. 15.

Focke, Theodore B., Cleveland Heights, and J. R. Kirkpatrick, South Euclid, assignors to Perfection Stove Company, Cleveland, Ohio. Liquid fuel combustion apparatus. 2,295,799; Sept. 15.

Fontaine, Georges M. T. A., assignor to Schneider & Cie, Paris, France. Fuse setting apparatus for artillery projectiles. 2,295,573; Sept. 15.

Fordon, Leo. A. (See Ullrich, Fred J., assignor.)

Fossa, Joseph, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Needle for shoe upper lacing machines. 2,295,727; Sept. 15.

Foster, Dudley E., South Orange, N. J., and J. A. Rankin, Port Washington, N. Y., assignors to Radio Corporation of America. Frequency modulated wave receiver. 2,296,100; Sept. 15.

Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Frequency modulation receiver tuning indicator. 2,296,101; Sept. 15.

Fowler, John, & Co. (Leeds) Limited. (See Sanders, Arthur F., assignor.)

Fralish, Howard J., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacture of vitreous enameled articles. 2,295,945; Sept. 15.

Frantz, Paul E., Euclid, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Suction cleaner. 2,296,234; Sept. 15.

Freeman, Leon T., Scranton, Pa., assignor to C. H. Shively, Fremont, Ohio. Brake mechanism. 2,296,026; Sept. 15.

Fridgen, Edward N., Harrisburg, assignor, by mesne assignments, to A. B. Hendricks, Mill Hall, Pa. Piezoelectric crystal holder. 2,295,990; Sept. 15.

Friedheim, Ernst A. H., Geneva, Switzerland. Substituted [1, 3, 5-triazinyl-(6)]-aminophenyl-arsonic acids and manufacture of same. 2,295,574; Sept. 15.

Fulke, Frank L., assignor to Frank Prox Company, Inc., Terre Haute, Ind. Cutter bit and holder therefor. 2,296,235; Sept. 15.

Fuller Brush Company, The. (See Cave, Henry, assignor.)

Fuller Brush Company, The. (See Rowland, Clarence G., assignor.)

Fuller, William R., St. Louis, Mo. Attachment for record-producing mechanism. 2,296,156; Sept. 15.

Funk, James G. (See Schwarz, B. A., and Funk.)

Furnas Electric Company. (See Furnas, W. C., and Spotts.)

Furnas, William C., West Allis, and D. G. Spotts, Milwaukee; said Spotts assignor of his right to W. C. Furnace, doing business as Furnas Electric Company, West Allis, Wis. Thermal overload device. 2,296,157; Sept. 15.

Gabrielson, William A. (See Walker, C., and Gabrielson.)

Gagnier, George E. (See Place, Bion C., assignor.)

Gardner, Howard J., Hawthorne, Calif. Soldering apparatus. 2,296,158; Sept. 15.

Gas Light & Coke Company, The. (See Griffith, R. H., and Plant, assignors.)

Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Method and means for producing knitted articles. 2,295,782; Sept. 15.

Gehlbach, Clarence E., Corydon, Ind. Casket placing device. 2,295,646; Sept. 15.

Geimer, Anthony P., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Drawing board. 2,295,647; Sept. 15.

General Aniline & Film Corporation. (See Biedermann, Friedrich, assignor.)

General Aniline & Film Corporation. (See Eckert, W., and Schilling, assignors.)

General Aniline & Film Corporation. (See Greune, H., and Schneider, assignors.)

General Aniline & Film Corporation. (See Krzikalla, H., and Armbruster, assignors.)

General Aniline & Film Corporation. (See Langbein, Gerhard, assignor.)

General Aniline & Film Corporation. (See Neresheimer, H., and Vilsmeier, assignors.)

General Aniline & Film Corporation. (See Ulrich, Heinrich, assignor.)

General Aniline & Film Corporation. (See Wulff, C., and Ohlinger, assignors.)

General Chemical Company. (See Preisman, Louis, assignor.)

General Electric Company. (See Bosch, Carl, assignor.)

General Electric Company. (See D'Alelio, G. F., and Underwood, assignors.)

General Electric Company. (See Farnham, Sherman B., assignor.)

General Electric Company. (See Hall, Chester I., assignor.)

General Electric Company. (See Light, Philip H., assignor.)

General Electric Company. (See Mueller, A. G., and Pistey, assignors.)

General Electric Company. (See Scott, William J., assignor.)

General Electric Company. (See Stimson, Allen G., assignor.)

General Electric Company. (See Thumim, Carl, assignor.)

General Mills, Inc. (See Anderson, Helmer, assignor.)

General Motors Corporation. (See Biederman, E. G., and Harder, assignors.)

General Motors Corporation. (See Claytor, Edward M., assignor.)

General Motors Corporation. (See Haberkost, Noel F. C., assignor.)

General Motors Corporation. (See Heller, Walter F., assignor.)

General Motors Corporation. (See McDougal, T. G., Schwartzwalder, and Smith, assignors.)

General Motors Corporation. (See Pontis, William G., assignor.)

General Motors Corporation. (See Rabezzana, Hector, assignor.)

General Motors Corporation. (See Schwarz, B. A., and Funk, assignors.)

General Motors Corporation. (See White, J., and Falconre, assignors.)

General Tire & Rubber Company, The. (See Breth, Walter J., assignor.)

General Tire & Rubber Co., The. (See Riefenstahl, Lester A., assignor.)

Gerth, William E., assignor of forty-nine per cent to K. Brenner, Chicago, Ill. Automotive vehicle antiskid device. 2,295,837; Sept. 15.

Gess, Louis, Jenkintown, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring instrument. 2,295,728; Sept. 15.

Gettelman, Fredrick, Wauwatosa, assignor to M. Yundt, Waukasha, Wis. Bottle inspection attachment for bottle-washing machines. 2,296,027; Sept. 15.

Getz, Charles A. (See Ensminger, H., and Getz.)

Gillanders, Alexander C., and H. H. Daggett, Los Angeles, Calif., assignors to Johnson & Johnson, New Brunswick, N. J. Holder and dispenser for rolled sheet material. 2,295,648; Sept. 15.

Gilbergh, John R., Palo Alto, Calif. Method and means for determining the points of ingress of well fluids. 2,295,738; Sept. 15.

Gillespie, Charles P., assignor of one-fourth to J. R. Turnbull, one-eighth to J. C. Vann, and one thirty-second to W. P. Haley, Houston, Tex. Governor. 2,295,897; Sept. 15.

Gladfelter, Wiltie I., Philadelphia, Pa., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for cleaning the ends of containers. 2,295,575; Sept. 15.

Gladfelter, Wiltie I., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Cleaning apparatus. 2,295,576; Sept. 15.

Gladfelter, Wiltie I., and G. Kauffmann, assignors to Crown Can Company, Philadelphia, Pa. Metallic container. 2,295,729; Sept. 15.

Glaze, Herbert L., South Pasadena, assignor to W. K. Booth, doing business as Equipment Engineering Company, Los Angeles, Calif. Pellet mill. 2,295,838; Sept. 15.

Globe-Union Inc. (See King, Carl H., assignor.)

Globe-Union Inc. (See Rubinstein, Harry W., assignor.)

Goldthwaite, George R., South Easton, assignor to B. F. Sturtevant Company, Boston, Mass. Heat exchange apparatus. 2,295,991; Sept. 15.

Gonzalez, Rafael A., and E. T. Simonson, Dayton, Ohio, assignors to Chrysler Corporation, Detroit, Mich. Flash gas control for refrigerating systems. 2,295,992; Sept. 15.

Gooden, Ernest L., Washington, D. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Device for compacting powders. 2,295,529; Sept. 15.

Goodspeed, Edwin W. (See Thompson, J. S., and Goodspeed.)

Gordon, Charles W., Glen Ellyn, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y. Drying apparatus. 2,296,159; Sept. 15.

Gove, Cedric F. (See Jones, J. M., and Gove.)

Government of the United States, as represented by the Secretary of Commerce. (See Dunmore, Francis W., assignor.)

Government of the United States of America, as represented by the Secretary of War. (See McCloud, D. B., Lewis, and Storm, assignors.)

Grandy, John D., Loon Lake, Sashkachewan, Canada. Bottle cap. 2,295,946; Sept. 15.

Grater, Alfred E., Niles, and W. E. Schirmer, assignors to Clark Equipment Company, Buchanan, Mich. Drive assembly. 2,295,896; Sept. 15.

Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray device. 2,295,530; Sept. 15.

Gray, Frank, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray device. 2,296,102; Sept. 15.

Greenleaf, Stanley C., San Diego, Calif. Rivet gauge. 2,295,783; Sept. 15.

Greune, Heinrich, and K. Schneider, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline & Film Corporation. Benzanthrones and preparing them. 2,295,649; Sept. 15.

Gribble, Egbert, Charlotte, N. C. Serving tray. 2,296,028; Sept. 15.

Griffin, Norval B., Portsmouth, Ohio, assignor, by mesne assignments, to United Shoe Machinery Corporation, Borough of Flemington, N. J. Producing complementary insole and outsole. 2,295,650; Sept. 15.

Griffith, Roland H., and J. H. G. Plant, London, assignors to The Gas Light & Coke Company, Westminster, London, England. Preparation of catalysts. 2,295,653; Sept. 15.

Grigsby, Kermen C., Waukegan, Ill. Overhead chimney damper. 2,295,839; Sept. 15.

Grint, William H., Slough, England. Union for flexible tubing. 2,295,840; Sept. 15.

Gross, Theodore J., assignor to Container Testing Laboratories, New York, N. Y. Testing sheet materials. 2,296,160; Sept. 15.

Grote, Henry W., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,295,730; Sept. 15.

Groves, Forrest D., Long Beach, Calif. Frictional adjuster. 2,295,731; Sept. 15.

Gruettner, Gerhard G., assignor to H. C. Tuttle, New York, N. Y. Timing device. 2,295,993; Sept. 15.

Guardite Corporation, The. (See Merriam, Charles J., assignor.)

Gulf Oil Corporation. (See Cantrell, T. L., and Suplee, assignors.)

Gury, J. B., Mfg. Co. (See Gury, John B., Jr., assignor.)

Gury, John B., Jr., Richmond Heights, assignor to J. B. Gury Mfg. Co., St. Louis, Mo. Sharpener for cloth cutting machines. 2,295,654; Sept. 15.

Gustafson, George L., Danbury, Conn. Apparatus for cooking food products. 2,295,651; Sept. 15.

Haas, Clarence C. (See Kriegbaum, G. M., and Haas.)

Haberkost, Noel F. C., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Headlight output meter. 2,296,103; Sept. 15.

Hadley, Charles R., Company. (See Jones, J. M., and Gove, assignors.)

Hageman, Aaron M., Verona, and P. B. Tully, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Incandescent electric lamp with base fuses. 2,295,652; Sept. 15.

Haggard, Mack. (See Crane, L. E., and Haggard.)

Hagstrom, Carl J., Glen Cove, assignor to Austral Sales Corporation, New York, N. Y. Lock. 2,296,029; Sept. 15.

Haley, W. P. et al. (See Gillespie Charles P. assignor.)

Hall Chester I. Schenectady N. Y. assignor to General Electric Company. Gas analysis apparatus. 2,296,030; Sept. 15.

Hall, Chester I., Rexford, N. Y., assignor to General Electric Company. Voltage regulating apparatus. 2,296,031; Sept. 15.

Hall, Elwin B., et al. (See Armentrout, Arthur L., assignor.)

Hall, James D., Jr., Cleburne, Tex. Lateral drill for wells. 2,296,161; Sept. 15.

Hallinan, William W., Mendota, Ill. Heating system. 2,295,841; Sept. 15.

Halsam Products Company. See Paulson, Nils I., assignor.)

Hamilton Manufacturing Company. (See Geimer, Anthony P., assignor.)

Hammerly, Herman J., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 2,295,577; Sept. 15.

Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America, New York, N. Y. Navigational position indicator. 2,296,032; Sept. 15.

Hampton Company. (See McConnell, Thomas.)

Hanawalt, Joseph D., and C. E. Nelson, assignors to The Dow Chemical Company, Midland, Mich. Treating magnesium. 2,295,842; Sept. 15.

Hanawalt, Joseph D., and C. E. Nelson, assignor to The Dow Chemical Company, Midland, Mich. Treating magnesium. 2,295,843; Sept. 15.

Handley Brown Heater Company, The. (See Handley, Harold E., assignor.)

Handley, Harold E., assignor to Handley Brown Heater Company, Jackson, Mich. Gas burner. 2,295,784; Sept. 15.

Handley, Harold E., assignor to Handley Brown Heater Company, Jackson, Mich. Apparatus for heating fluids. 2,295,785; Sept. 15.

Handley, John B., Albany, N. Y. Easy reading scale rule and the like. 2,296,104; Sept. 15.

Hansen, Merrill E., assignor to American Anode Inc., Akron, Ohio. Method and apparatus for making rubber masks and similar articles. 2,296,105; Sept. 15.

Hansen Mfg. Company. (See Hansen, William L., assignor.)

Hansen, William L., assignor to Hansen Mfg. Company, Inc., Princeton, Ind. Synchronous motor. 2,295,786; Sept. 15.

Hanson, Harold H., Waupun, and W. H. Sorenson, Fond Du Lac, Wis., assignors to The Shaler Company, Waupun, Wis. Quick acting clamp. 2,296,162; Sept. 15.

Harder, Delmar S. (See Biederman, E. G., and Harder.)

Hardy, Vernal R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making artificial wool. 2,296,202; Sept. 15.

Harris, Howard B. (See Batson, W. O., and Harris.)

Harshaw Chemical Company, The, et al. (See Emery, F. H., and Levis, assignors.)

Harstick, William H., Richmond, Ind., assignor to International Harvester Company. Article-handling tool. 2,296,203; Sept. 15.

Hartman, Carl H., New Rochelle, assignor to St. Regis Paper Company, New York, N. Y. Method of and spout for filling valve bags. 2,296,163; Sept. 15.

Haynes Stellite Company. (See Wagner, Robert L., assignor.)

Haynes Stellite Company. (See Wissler, William A., assignor.)

Hazeltine Corporation. (See Wilson, John C., assignor.)
Heaslet, James G., Hudson, assignor to The Cleveland Tractor Company, Cleveland, Ohio. Idler wheel for crawler tractors. 2,295,531; Sept. 15.
Heller, Walter F., Flint, assignor to General Motors Corporation, Detroit, Mich. Spark plug. 2,296,033; Sept. 15.
Heltzel, John N., Warren, Ohio. Road building machine. 2,295,947; Sept. 15.
Hemming, Harold, Dedham, and C. W. Peterson, West Roxbury, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Air washer system. 2,296,034; Sept. 15.
Hendricks, Alvie B. (See Fridgen, Edward N., assignor.)
Hennessy, James J., Montclair, N. J. Railway axle lubricator structure. 2,296,204; Sept. 15.
Henry, Carle D., assignor to Maine Steel, Inc., South Portland, Maine. Valve. 2,295,948; Sept. 15.
Hentrich, Winfrid, Dusseldorf-Reisholz, W. Kaiser, Dussau in Anhalt, and W. Reuss, deceased, by E. Reuss, Dusseldorf-Benrath, Germany, widow and sole heir; C. H. Winkler, administrator of W. Reuss, deceased, assignors, by mesne assignments, to "Patchem A.-G. Zur Beteiligung an Patenten und Sonstigen Erfindungsrechten auf Chemische Verfahren, Zurich Switzerland. Quaternary ammonium compounds and producing the same. 2,295,655; Sept. 15.
Hercules Powder Company. (See Middleton, William R., Jr., assignor.)
Hersey, Donald S., West Hartford, and A. E. Smith, Manchester, Conn., assignors to United Aircraft Corporation, East Hartford, Conn. Fuel metering device. 2,295,656; Sept. 15.
Hess, Frederic O., assignor to The Selas Company, Philadelphia, Pa. Continuous kiln. 2,295,732; Sept. 15.
Heyer, Benjamin F. W., Tenafly, assignor, by mesne assignments, to Atlas Supply Company, Newark, N. J. Battery tester. 2,295,578; Sept. 15.
Hill, Arthur G., Spartanburg, S. C., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Dye applicator. 2,296,035; Sept. 15.
Hines, Claude M., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,295,733; Sept. 15.
Hirsch, Homer C. (See Finney, John H. V., assignor.)
Hirth, Edgar F., Los Angeles, Calif. Rotary rule with telescoping or folding handle and the like. 2,295,787; Sept. 15.
Hoadley, Frank E. (See Schwebke, C. J., and Hoadley.)
Hobbins, William H. (See Hoorn, R. A., and Hobbins.)
Hodgkins, Charles H., Fairfield, assignor, by mesne assignments, to The Bryant Electric Company, Bridgeport, Conn. Fluorescent lamp starter unit. 2,295,657; Sept. 15.
Hoelkeskamp, Franz, and E. Knehe, Wuppertal-Barmen, Germany; Vested in the Alien Property Custodian. Spinning cuprammonium cellulose solutions. 2,395,844; Sept. 15.
Hoeller, Richard. (See Melville, J. H., and Hoeller.)
Hoeveler, John A., Mount Lebanon, assignor to Pittsburgh Reflector Company, Pittsburgh, Pa. Support and reflector for luminous tubes. 2,295,788; Sept. 15.
Hogg, Emerson E., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Closure with hemispherical liner. 2,295,658; Sept. 15.
Holbro, Theodor. (See Kern, W., Holbro, and Tobler.)
Holeka, William F., Los Angeles, Calif. Focusing cameras. 2,295,949; Sept. 15.
Holland Company. (See Holland, Cyrus J. and C. E., and Edahl, assignors.)
Holland, Cyrus E. (See Holland, Cyrus J. and C. E., and Edahl.)
Holland, Cyrus J., Chicago, C. E. Holland, Highland Park, and K. Edahl, Chicago, Ill., assignors to Holland Company. Radial truck. 2,296,106; Sept. 15.
Hollander, Aladar. V. A. Hoover and C. H. Nazro, Los Angeles, assignors to Byron Jackson Co., Huntington Park, Calif. Liquid seal. 2,295,579; Sept. 15.
Hollberg, Herbert E. (See Corydon, J., and Hollberg.)
Hollis, Homer, Lillie, La. Side disk terracing machine. 2,295,898; Sept. 15.
Holmes, Lincoln C., Clear Lake, Wis. Photographic film roll. 2,295,845; Sept. 15.
Holzwarth, Charles, Parlin, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic fixative composition containing boric acid esters of polyhydric alcohols of at least six carbon atoms. 2,295,734; Sept. 15.
Hooker Electrochemical Company. (See Maude, Aylmer H., assignor.)
Hoorn, Robert A., Minneapolis, Minn., and W. H. Hobbins, Glendive, Mont. Flue cutting tool. 2,295,789; Sept. 15.
Hoover Company, The. (See Brace, George A., assignor.)
Hoover Company, The. (See Fitzsimmons, Richard R., assignor.)
Hoover Company, The. (See Pierce, Frank L., assignor.)
Hoover Company, The. (See Smellie, Donald G., assignor.)
Hoover Company, The. (See White, Harry B., assignor.)
Hoover, Vaino A. (See Hollander, A., Hoover, and Nazro.)
Hopkins, Bennie R., Flint, Mich. Vacuum pressure pump. 2,295,790; Sept. 15.
Hoppenstand, David, Fox Chapel, Pa. Manufacturing conductor terminals. 2,295,899; Sept. 15.
Hoppenstand, David, Fox Chapel, assignor to Mechanical Laboratories, Inc., Pittsburgh, Pa. Rivet and spring locking button therefor. 2,295,900; Sept. 15.
Horn, Erwin A., assignor, by mesne assignments, to I. F. Laucks, Inc., Seattle, Wash. Concrete form panel. 2,296,036; Sept. 15.
Hornback, Arch E., assignor of one-half to J. G. McNeil, Chicago, Ill. Gun sight. 2,295,791; Sept. 15.
Horner, Albert, Kapaa, Kauai, Territory of Hawaii. Processing canned foods. 2,295,846; Sept. 15.
Houdaille-Hershey Corporation. (See Duncan, Charles R., assignor.)
Houdaille-Hershey Corporation. (See Jandus, Herbert S., assignor.)
Houdaille-Hershey Corporation. (See Sandberg, Ray A., assignor.)
Houlihan, Rudolph N., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Cover hinge. 2,295,950; Sept. 15.
Howe, Paul J., Ridgewood, N. J., and C. H. Wyss, Jr., Tuckahoe, assignors to The Western Union Telegraph Company, New York, N. Y. Illuminated display device. 2,295,994; Sept. 15.
Howland, Thomas J., Long Branch, N. J. Bathing cap. 2,295,659; Sept. 15.
Hubert, Emil. (See Emil, H. Rein, and Rossler.)
Hubert, Emil, Dessau-Ziebigk, H. Rein, Leipzig, and K. Rössler, Berlin-Karlshorst, Germany, vested in the Alien Property Custodian. Improving the heat stability of polyvinyl chloride articles. 2,295,660; Sept. 15.
Hughes Tool Company. (See Lewis, William L., assignor.)
Hulfish, David S., assignor to Teletype Corporation, Chicago, Ill. Divided multiplex channel system. 2,295,580; Sept. 15.
Hull, Roy F. (See Drain, Herbert D., assignor.)
Hume, Gertrude B., Claremont, Calif. Infant feeding spoon. 2,295,847; Sept. 15.
Humphrey, Dee E., Dallis, Tex. Pump rod actuator. 2,296,164; Sept. 15.
Hunter, Donald P., assignor to Turco Products, Inc., Los Angeles, Calif. Apparatus for spraying liquid. 2,295,661; Sept. 15.
Hurt, Victor H., Cranston, R. I., assignor to United States Rubber Company, New York, N. Y. Making rubber designs. 2,295,735; Sept. 15.
Hyde, John B., Brightwaters, N. Y. Animal tether. 2,295,581; Sept. 15.
Hydraulic Development Corp. Inc., The. (See Ernst, Walter, assignor.)
Hydraulic Development Corp., The. (See Pocock, P. C., and Ernst, assignors.)
Hydraulic Development Corporation, The. (See Tucker, Warren R., assignor.)
Hydraulic Development Corp. Inc., The. (See Tucker, Warren R., assignor.)
Hydril Company of California. (See Stone, Albert L., assignor.)
Hydril Company of California. (See Stone, F., and Stone, assignors.)
Hyndman, Meade, and R. F. Smart, St. Louis, Mo., assignors to said Hyndman. Folding box. 2,295,532; Sept. 15.

Illinois Railway Equipment Company. (See Johnson, Malcolm S., assignor.)
Imperial Chemical Industries Limited. (See Baird, W., and Jones, assignors.)
Industrial Tape Corporation. (See Montbach, Francis X., assignor.)
Ingwer, Max, Forest Hills, assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y. Belt guard for sewing machines. 2,295,582; Sept. 15.
International Business Machines Corporation. (See Leathers, Ward, assignor.)
International Harvester Company. (See Harstick, William H., assignor.)
International Harvester Company. (See Johnson, Arnold E. W., assignor.)
International Harvester Company. (See Kriegbaum, G. M., and Haas, assignors.)
International Harvester Company. (See Lindgren, Alexus C., assignor.)
International Harvester Company. (See Morkoski, James, assignor.)
International Harvester Company. (See Patterson, Charles F., assignor.)

International Musical Instrument Co. (See La Page, Victor J., assignor.)
J. & L. Tool Company. (See Swanson, John, assignor.)
James, Cyril H., Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fastener forming and inserting machine. 2,295,662; Sept. 15.
Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever. 2,295,792; Sept. 15.
Jernson, Henry C., St. Paul, Minn. Foldable rack. 2,295,736; Sept. 15.
Johnson, Arnold E. W., Chicago, Ill., assignor to International Harvester Company. Tractor. 2,296,205; Sept. 15.

Johnson Gas Appliance Company. (See English, John C., assignor.)
Johnson, James M. (See Campbell, W. B., and Johnson.)
Johnson & Johnson. (See Gillanders, A. C., and Daggett, assignors.)
Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Brake hanger support and retainer. 2,295,739; Sept. 15.
Johnson, Tomlinson F., Atlanta, Ga. High tension electrical switch. 2,295,663; Sept. 15.
Johnstone, Theodore H., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Cylinder lock. 2,295,737; Sept. 15.
Jones, Barbara H., Oakland, Calif. Shortener carrier. 2,295,848; Sept. 15.
Jones, Jesse M., North Hollywood, and C. F. Gove, assignors to Charles R. Hadley Company, Los Angeles, Calif. Comparative data file. 2,295,951; Sept. 15.
Jones, Jesse M., North Hollywood, and C. F. Gove, assignors to C. R. Hadley Company, Los Angeles, Calif. Comparative data file. 2,295,952; Sept. 15.
Jones, Llewellyn, Richmond, assignor of one-fifth to J. A. Overcash, one-fifth to R. J. Peters, and one-fifth to H. G. Austin, Muncie, Ind. Cupola. 2,295,901; Sept. 15.
Jones, Maldwyn. (See Baird, W., and Jones.)
Jordan, Ernst, Hamburg, Germany, vested in the Alien Property Custodian. Apparatus and method for producing lock washers. 2,295,583; Sept. 15.
Kahn, Mack, Cedarhurst, assignor to Artistic Foundations, Inc., New York, N. Y. Corset. 2,296,165; Sept. 15.
Kahn, Samuel J. (See Natelson, Samuel, and Kahn.)
Kaiser, Wilhelm. (See Hentrich, W., Kaiser, and Reuss.)
Kass, Samuel M., Philadelphia, Pa. Tuning device. 2,295,902; Sept. 15.
Kauffmann, George. (See Gladfelter, W. I., and Kauffmann.)
Kaufman, Charles A., New York, N. Y. Run-resisting knitted fabric. 2,295,793; Sept. 15.
Kaufman, Charles A., New York, N. Y. Knitting run-resistant fabric. 2,295,794; Sept. 15.
Kaufman, Gus, Beadon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Cutting oil. 2,296,037; Sept. 15.
Kayden, Gustave L., Great Neck, N. Y. Attachment for hypodermic syringes. 2,295,849; Sept. 15.
Keeler, Earl A., Norristown, assignor to The Brown Instrument Company, Philadelphia, Pa. Registering apparatus. 2,295,795; Sept. 15.
Keen, Alexis W., Packanack Lake, Wayne Township, Passaic County, N. J., assignor to United States Rubber Company, New York, N. Y. Apparatus for foaming liquids. 2,295,740; Sept. 15.
Keller, Fred M. (See Pleasant, H. E., and Keller.)
Kellogg, Edward W., Morrestown, N. J., assignor to Radio Corporation of America. Motor drive system. 2,225,664; Sept. 15.
Kelsey-Haynes Wheel Company. (See Le Jeune, Frank H., assignor.)
Kennedy, David C. K., assignor to The Detroit Edison Company, Detroit, Mich. Card patching machine. 2,295,903; Sept. 15.
Kern, Walter, Sissach, and T. Holbro and R. Tobler, Riehen, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of dibromofluoranthenes. 2,295,665; Sept. 15.
Kessler, Henry, New York, N. Y. Construction of garments. 2,295,741; Sept. 15.
Keystone Brass & Rubber Co. (See Campbell, Walter J., assignor.)
Kimball, Charles N., Jackson Heights, N. Y., assignor to Radio Corporation of America. Ultra high frequency converter. 2,296,107; Sept. 15.
Kimball, Charles N., Jackson Heights, N. Y., assignor to Radio Corporation of America. Wavelength modulation. 2,296,206; Sept. 15.
Kimble Glass Company. (See Van Gorden, Le Roy C., assignor.)
King, Carl, Ballston Spa, N. Y. Tractor excavator. 2,295,850; Sept. 15.
King, Carl H., assignor to Globe-Union Inc., Milwaukee, Wis. Battery cover. 2,296,038; Sept. 15.
King, Douglas H., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjustable support for dial devices. 2,295,666; Sept. 15.
King, John W., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 2,295,953; Sept. 15.
King Powder Company, The. (See Lindsley, Milton F., Jr., assignor.)
Kinney, Walter B., Bainbridge, assignor to The Borden Company, New York, N. Y. Aluminum acetate-casein complex and making. 2,296,108; Sept. 15.
Kinzie, Phillip A., J. L. Savage, and M. E. Nantz, assignors to Universal Hydraulic Corporation, Denver, Colo. Hydraulic rotor operated butterfly valve. 2,295,667; Sept. 15.
Kirkpatrick, Joseph R. (See Focke, T. B., and Kirkpatrick.)
Kittinger, Joyce Y., New York, N. Y. Therapeutic pad. 2,296,207; Sept. 15.
Klein, Frank A., Keota, Iowa. Seed duster. 2,296,166; Sept. 15.

Kluglein, Theobald, New York, N. Y. Treatment chair. 2,296,212; Sept. 15.
Knapp-Monarch Company. (See Smith, Howard A., assignor.)
Knehe, Ewald. (See Hoelkeskamp, F., and Knehe.)
Knowles, Edwin C., and F. C. McCoy, Beacon, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Refining naphthenic acids. 2,296,039; Sept. 15.
Kopp, Frank. (See Suskowitz, Mack, and Kopp.)
Kretzschmar, August W., Detroit, Mich. Engine speed governor. 2,296,213; Sept. 15.
Kriegbaum, George M., and C. C. Haas, Richmond, Ind., assignors to International Harvester Company. Reel drive for planters. 2,296,208; Sept. 15.
Kriegbaum, George M., and C. C. Haas, Richmond, Ind., assignors to Internstional Harvester Company. Planter. 2,296,209; Sept. 15.
Kriegbaum, George M., and C. C. Haas, Richmond, Ind., assignors to International Harvester Company. Planter marker. 2,296,210; Sept. 15.
Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,295,668; Sept. 15.
Krzikalla, Hans, and R. Armbruster, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of nitrogeneous condensation products. 2,296,211; Sept. 15.
Kuhn, Richard, and G. Wendt, Heidelberg, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Acyl derivatives of vitamin B_6 and making the same. 2,296,167; Sept. 15.
Kurkjian, Yervant H., Hawthorne, N. J. Automatic pickup head adjusting device. 2,295,904; Sept. 15.
Kurkjian, Yervant H., Hawthorne, N. J. Phonograph arm and needle-carrying magazine therefor. 2,295,905; Sept. 15.
Kustodowich, John, and H. Erenberg, Detroit, Mich. Musical educational device or apparatus. 2,295,954; Sept. 15.
Lacour, Audrie M., Jennings, La. Pillow. 2,295,906; Sept. 15.
Lahue, George R., Lemont Furnace, Pa. Trap. 2,296,040; Sept. 15.
Lamb, Clyde K., assignor to The Safety Scaffold Corporation, Cleveland, Ohio. Safety scaffold. 2,295,995; Sept. 15.
Lambach, Fritz. (See Miller, M. C., and Lambach.)
Langbein, Gerhard, Hofheim in Taunus, Germany, assignor to General Aniline & Film Corporation. New derivative of 2.5-diamino-1.4-benzoquinone. 2,296,214; Sept. 15.
Lanter, Clarence W., Chicago, Ill. Bale. 2,295,742; Sept. 15.
La Page, Victor J., Snyder, assignor to International Musical Instrument Co., Buffalo, N. Y. Towel washer and dispenser. 2,295,955; Sept. 15.
Lapick, Salvatore, Lakewood, Ohio, assignor to The Printz-Biederman Company. Removable lining. 2,295,956; Sept. 15.
Lapsley, Robert. (See Bixby, C. L., and Lapsley.)
Larson, Arthur G., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,295,796; Sept. 15.
Larson, Charles, Chicago, Ill. Bag attachment. 2,295,584; Sept. 15.
Laucks, I. F., Inc. (See Horn, Erwin A., assignor.)
Lauffenburger, Lewis P., Bradford, Pa. Space adjuster. 2,295,996; Sept. 15.
Laurencelle, John, Vallejo, Calif. Device for determining elevations and levels. 2,295,957; Sept. 15.
Laws, Charles H., Los Angeles, Calif. Exhauster. 2,295,669; Sept. 15.
Layher, Clifford C., Jackson, Mich. Display container. 2,296,215; Sept. 15.
Leathers, Ward, assignor, by mesne assignments, to International Business Machines Corporation. Meter reading apparatus. 2,295,533; Sept. 15.
Leathers, Ward, Brooklyn, N. Y., assignor, by mesne assignments, to International Business Machines Corporation. Automatic meter-reading apparatus. 2,295,534; Sept. 15.
Lee, Fred M., assignor to American Lady Corset Company, Detroit, Mich. Sewing machine. 2,295,851; Sept. 15.
Legro, Modiste L. (See Williamson, Leon S., assignor.)
Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Apparatus for forming wheel rims. 2,295,852; Sept. 15.
Le Page, Hector L., Milwaukee, Wis. Hair dressing. 2,296,168; Sept. 15.
Levis, Irene. (See Emery, F. H., and Levis.)
Lewis, George A. (See McCloud, D. B., Lewis, and Storm.)
Lewis, William L., Glendale, Calif., assignor to Hughes Tool Company, Houston, Tex. Flexible exhaust pipe joint. 2,295,907; Sept. 15.
Ley, George A., Chicago, Ill. Synchronizer for cameras. 2,295,853; Sept. 15.
Light, Philip H., Schenectady, N. Y., assignor to General Electric Company. Protection of alternating-current electric power systems. 2,296,109; Sept. 15.

Lindgren, Alexus C., Chicago, Ill., assignor to International Harvester Company. Planter. 2,296,216; Sept. 15.
Lindquist, Robert J., Los Angeles, Calif. Therapeutic current and producing the same. 2,295,585; Sept. 15.
Lindsley, Milton F., Jr., assignor to The King Powder Company, Kings Mills, Ohio. Cartridge for explosives. 2,295,854; Sept. 15.
Linebarger, Charles E., deceased, by C. E. Linebarger, Jr., administrator, Chicago, Ill. Hydrometer and the like. 2,296,169; Sept. 15.
Linebarger, Charles E., Jr., administrator. (See Linebarger, Charles E.)
Linen Thread Co., The. (See Bunker, Royce S., assignor.)
Linsley, Douglas F. (See Thomas, W. A., and Linsley.)
Lisle, Samuel B. (See Porter, E. D., and Lisle.)
Little, Percival F., Arlington, Va. Testing the efficiency of internal combustion engines. 2,295,586; Sept. 15.
Lockhart, Charles F., assignor of one-half to H. D. Williams, Cleveland, Ohio. Automatically connecting and disconnecting fluid pressure pipes of cars. 2,296,170; Sept. 15.
Logli, Aldo, Detroit, Mich. Musical instrument. 2,295,588; Sept. 15.
Lowe, Richard T., Richlands, Va. Train pipe coupler. 2,296,110; Sept. 15.
Luck, David G. C., Oaklyn, N. J., assignor to Radio Corporation of America. Navigation instrument. 2,296,041; Sept. 15.
Ludwell, Frederick R., assignor to E. D. Bullard Company, San Francisco, Calif. Protective headgear. 2,295,855; Sept. 15.
Lungstrom, Henry C. (See Olson, A. W., and Lungstrom.)
Lutz, Raymond P., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Composition suitable for impregnating fibrous materials. 2,295,958; Sept. 15.
Magill, Donald G., Great Neck, assignor to American Can Company, New York, N. Y. Producing sheet material. 2,296,171; Sept. 15.
Mahar, Harry A., Brooklyn, N. Y., assignor of thirty-one-hundredths to E. J. McHugh, New York, N. Y., and thirty one-hundredths to J. Erdman, Rowayton, Conn. Shoe for hoofed animals. 2,296,111; Sept. 15.
Mahoney Chair Company. (See Travers, Lewis C., assignor.)
Maine Steel, Inc. (See Henry, Carle D., assignor.)
Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Apparatus for machining preformed holes. 2,295,856; Sept. 15.
Mallory, Marion, Detroit, Mich. Carburetor. 2,296,172; Sept. 15.
Mallory Research Company, The. (See Mallory, Marion, assignor.)
Malone, Homer E., assignor to Perfex Corporation, Milwaukee, Wis. Combined fuse and switch structure. 2,295,589; Sept. 15.
Maloney, Cornelius, Lewiston, assignor to R. I. Mitchell, Inc., Auburn, Maine. Fire bomb grapple. 2,295,670; Sept. 15.
Maloney, John J., Millmar, Minn. Christmas tree anchor. 2,296,217; Sept. 15.
Mandl, Siegmund, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Spreading tool. 2,296,173; Sept. 15.
Man-Sew Pinking Attachment Corp. (See Sigoda, Victor J., assignor.)
Manson, Frank G., and J. J. Maskey, Dayton, Ohio. Extensible aerial delivery container. 2,295,590; Sept. 15.
Marriner, Clair W., Chicora, Pa. Ladder support. 2,295,908; Sept. 15.
Marshall, Clinton E., Bronx, N. Y. Plastic clip. 2,296,042; Sept. 15.
Martindale Electric Company, The. (See Dockson, C. L. and Davis, assignors.)
Maskey, James J. (See Manson, F. G., and Maskey.)
Massey, Charles J., Fillmore, Calif. Garbage can protector. 2,295,909; Sept. 15.
Maude, Aylmer H., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Preventing corrosion of hydrogen chloride-burners and coolers. 2,295,591; Sept. 15.
Maxson, William L., South Orange, N. J., and P. J. McLaren, assignors to Reconstruction Finance Corporation, New York, N. Y. Variable ratio gearing. 2,295,997; Sept. 15.
Maxson, William L., West Orange, N. J., and P. J. McLaren, assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Variable ratio gearing. 2,295,998; Sept. 15.
McBride, Jesse E. (See Bee, G. A., and McBride.)
McClary, Dillon R., Lynchburg, S. C. Supporting stand. 2,296,043; Sept. 15.
McCloud, Don B., Carbondale, Ill., G. A. Lewis, New Dorp, N. Y., and C. G. Storm, Arlington, Va., assignors to the Government of the United States of America, as represented by the Secretary of War. Bomb. 2,295,671; Sept. 15.
McClure, Ernest C., Wahroonga, New South Wales, Australia, assignor to Ever-Ready Razor Products Ltd., The Hyde, London, England. Dry shaving device. 2,296,044; Sept. 15.
McConnell, Hugh, executor. (See McConnell, Thomas, assignor.)
McConnell, Thomas, deceased, by H. McConnell, Northampton, executor, assignor to Hampton Company, Easthampton, Mass. Apparatus for making plissé crepe. 2,295,857; Sept. 15.
McConnohie, Levi L., assignor, by mesne assignments, to Bol-Mac Products Company, Galesburg, Mich. Double acting pump. 2,295,592; Sept. 15.
McCoy, Frederic C. (See Knowles, E. C., and McCoy.)
McCune, Joseph C., Edgewood, and G. K. Newell, near Pitcairn, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake mechanism. 2,295,797; Sept. 15.
McDougal, Taine G., Flint, K. Schwartzwalder, Holly, and R. W. Smith, Flint, assignors to General Motors Corporation, Detroit, Mich. Spark plug electrode. 2,296,045; Sept. 15.
McHale, Michael J., Scranton, Pa. Flier construction. 2,295,999; Sept. 15.
McHugh, Eugene J., et al. (See Mahar, Harry A., assignor.)
McKinley, William, Brooklyn, N. Y. Phonograph record cleaner. 2,295,798; Sept. 15.
McLaren, Peter J. (See Maxson, W. L., and McLaren.)
McNeil, J. G. (See Hornback, Arch E., assignor.)
McWane, Henry E., Lynchburg, Va. Water jacketed mold and making same. 2,295,858; Sept. 15.
Meakin, Edgar T., San Francisco, Calif. Extruding apparatus. 2,295,743; Sept. 15.
Mechanical Laboratories, Inc. (See Hoppenstand, David, assignor.)
Mechanite Metal Corporation. (See Reece, Herbert A., assignor.)
Meharg, Virgil E., Bloomfield, N. J., and K. W. Coons, Tuscaloosa, Ala., assignors to Bakelite Corporation. Dealkylation. 2,295,672; Sept. 15.
Meharg, Virgil E., Bloomfield, N. J., and K. W. Coons, Tuscaloosa, Ala., assignors to Bakelite Corporation. Dealkylation using nickel sulphide catalyst. 2,295,673; Sept. 15.
Meharg, Virgil E., Bloomfield, N. J., and K. W. Coons, Tuscaloosa, Ala., assignors to Bakelite Corporation. Dealkylation using aluminum compounds as catalysts. 2,295,674; Sept. 15.
Meharg, Virgil E., Bloomfield, N. J., and K. W. Coons, Tuscaloosa, Ala., assignor to Bakelite Corporation. Dealkylation using barium, cadmium, and zinc compounds as catalysts. 2,295,675; Sept. 15.
Meisler, John C., Philadelphia, Pa. Fishing rod. 2,296,174; Sept. 15.
Mellers, Eric V. (See Fallows, L., and Mellers.)
Melville, James H., and R. Hoeller, Miami, Fla. Ampere demand meter. 2,295,959; Sept. 15.
Menn, Paul L., Los Angeles, Calif. Compact or vanity case. 2,296,112; Sept. 15.
Merriam, Charles J., Winnetka, Ill., assignor to The Guardite Corporation. Controlling vacuum drying. 2,295,744; Sept. 15.
Merriam, Charles J., Winnetka, Ill., assignor to The Guardite Corporation. Controlling uniformity of vacuum drying with superheated steam. 2,295,745; Sept. 15.
Metal Textile Corporation. (See Ellis, Norman S., assignor.)
Metzler, Norman R., York, Pa. Fountain comb. 2,295,748; Sept. 15.
Meyer, Lee R., Alton, Ill. Standard supporting bracket. 2,295,676; Sept. 15.
Meyer, Ludwig, Dessau, Germany; vested in the Alien Property Custodian. Piston locking device. 2,295,961; Sept. 15.
Meyer, Vernon H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating on shoe uppers. 2,295,677; Sept. 15.
Middlebrook, Roy W., Metuchen, N. J. Playing card. 2,296,113; Sept. 15.
Middleton, William R., Jr., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Purification of maleic anhydride. 2,296,218; Sept. 15.
Midway Chemical Co. (See Reinhardt, Herman E., Jr., assignor.)
Miles, John B., Jr., Greenville, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn preparation. 2,295,593; Sept. 15.
Miles, John C. (See Fellows, J. R., and Miles.)
Millenaar, Richard. (See Safranski, S., and Millenaar.)
Miller, Edwin A., New Haven, Conn. Sheet-stock axially driven permanent fastener. 2,296,046; Sept. 15.
Miller, Erwin E., Fullerton, Calif. Mud pump piston. 2,295,678; Sept. 15.
Miller, Jacob C., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Snap action float valve. 2,296,219; Sept. 15.
Miller, Max C., Cumberland, R. I., and F. Lambach, Fairview; said Lambach assignor to R. Reiner, Incorporated, Weehawken, N. J. Pattern mechanism for knitting machines. 2,295,597; Sept. 15.
Mills, Victor, assignor to The Proctor and Gamble Company, Ivorydale, Ohio. Detergent soap product and process. 2,295,594; Sept. 15.

Mills, Victor, assignor to The Proctor and Gamble Company, Ivorydale, Ohio. Particle soap of novel phase composition and making the same. 2,295,595; Sept. 15.
Mills, Victor, assignor to The Proctor and Gamble Company, Ivorydale, Ohio. Soap flake of novel phase composition and making the same. 2,295,596; Sept. 15.
Mills, Wallace C., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Slide cover box. 2,295,747; Sept. 15.
Miner, W. H., Inc. (See Dwyer, William M., assignor.)
Minneapolis-Honeywell Regulator Company. (See Taylor, Daniel G., assignor.)
Mitchell, R. I., Inc. (See Maloney, Cornelius, assignor.)
Modern Faucet Co. (See Bucknell, E. H., and Bletcher, assignors.)
Montbach, Francis X., Highland Park, assignor to Industrial Tape Corporation, New Brunswick, N. J. Dispensing device. 2,295,679; Sept. 15.
Montemurro, Peter L. (See Beck, Nelson.)
Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,295,960; Sept. 15.
Moore, Frank V., Los Angeles, Calif., assignor to J. M. Alford, Galva, Ill. Addressing machine. 2,295,748; Sept. 15.
Morgan, John J., South Orange, and T. Anderson, Elizabeth, N. J., assignors, by mesne assignments, to Cities Service Oil Company, New York, N. Y. Grease dispensing apparatus. 2,296,047; Sept. 15.
Morkoski, James, Canton, Ill., assignor to International Harvester Company. Spring release device. 2,296,175; Sept. 15.
Morris Paper Mills. (See Powell, Henry K., assignor.)
Moseley, Corliss C. (See Fernald, William I., assignor.)
Moulton, Alexander. (See Wade, S. E., and Moulton.)
Mounts, Wilfred V. (See Curtis, J. B., Mounts, and Reynolds.)
Mouromtseff, Ilia E., Montclair, and G. M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ultra high frequency device with conical collector. 2,295,680; Sept. 15.
Mowrey, Lester D., Wichita Falls, Tex. Well flowing device. 2,295,598; Sept. 15.
Mowrey, Lester D., Wichita Falls, Tex. Gas lift flow device. 2,296,220; Sept. 15.
Mozel, Joe, Portland, Oreg. Automatic golf ball teeing device. 2,295,599; Sept. 15.
Mueller, Adolf G., and J. M. Pistey, Fairfield, Conn., assignors to General Electric Company. Lamp holder. 2,296,114; Sept. 15.
Mueller, Adolf G., and J. M. Pistey, Fairfield, Conn., assignors to General Electric Company. Operating mechanism for discharge lamps. 2,296,115; Sept. 15.
Mueller, Herman G., Erie, assignor to Ajax Iron Works, Corry, Pa. Multiple cylinder steam engine and valve gear therefor. 2,295,962; Sept. 15.
Murray, John, assignor of thirty-five per cent to C. Tietig, Cincinnati, Ohio. Knife sharpener. 2,295,859; Sept. 15.
Mushet, James C., Roselle Park, N. J., assignor, by mesne assignments, to R. E. Ogden, New York, N. Y. Waler bracket. 2,295,800; Sept. 15.
Musolf, Paul J., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Sheep shearing machine. 2,296,236; Sept. 15.
Naamlooze Vennootschap Chemische Fabriek L. van der Grinten. (See Buskes, Willem M., assignor.)
Nagel, August, Stuttgart-Degerloch, Germany; vested in the Alien Property Custodian. Two-size camera. 2,295,801; Sept. 15.
Nagel, Charles R., Los Angeles, Calif. Metal sash casement and frame. 2,295,681; Sept. 15.
Nantz, Merle E. (See Kinzie, P. A., Savage, and Nantz.)
Nash-Kelvinator Corporation. (See Chedister, Guy A., assignor.)
Nash-Kelvinator Corporation. (See Drake, Earl D., assignor.)
Nash-Kelvinator Corporation. (See Norris, R. F., and Thomas, assignors.)
Nash-Kelvinator Corporation. (See Phelps, Ross H., assignor.)
Nash-Kelvinator Corporation. (See Sladky, Joseph F., assignor.)
Nateison, Samuel, and S. J. Kahn, Brooklyn, N. Y. Preparation of pyrrolidone carboxylic acids and their esters and products thereof. 2,295,600; Sept. 15.
National Lead Company. (See Behr, G. E., and Schroeder, assignors.)
Nazro, Charles H. (See Hollander, A., Hoover, and Nazro.)
Neale, Dory J., Topeka, Kans. Machine for attaching cables to messengers. 2,295,749; Sept. 15.
Nelson, Charles E. (See Hanawalt, J. D., and Nelson.)
Neresheimer, Heinrich, and A. Vilsmeier, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Condensation products of the pyrene series. 2,295,963; Sept. 15.
Neufeld, Jacob, Tulsa, Okla., assignor to Well Surveys, Incorporated, Tulsa, Okla. Well survey method and apparatus. 2,296,176; Sept. 15.
Newell, George K. (See McCune, J. C., and Newell.)
Newton, Frederick, Derby, England. Synchronizing apparatus. 2,296,177; Sept. 15.
Nicoll, Frederick H., Merchantville, N. J., assignor to Radio Corporation of America. Reflective optical system. 2,295,802; Sept. 15.
Norma-Hoffman Bearings Corporation. (See Batesole, Dwight E., assignor.)
Norris, Ralph F., Madison, and D. G. Thomas, Stoughton, assignors, by mesne assignments, to Nash-Kelvinator Corporation, Kenosha, Wis. Vehicular air conditioning system. 2,295,750; Sept. 15.
Northrop Aircraft, Inc. (See Dallenbach, F., and Northrop, assignors.)
Northrop, John K. (See Dallenbach, F., and Northrop.)
Norton Company. (See Silven, Herbert A., assignor.)
Null, Jesse, Arcadia, Calif. Watering apparatus. 2,295,964; Sept. 15.
Nystrom, Karl F., and J. A. Deppe, Milwaukee, Wis. Railroad flat car. 2,295,751; Sept. 15.
Ogden, Ralph E. (See Mushet, James C., assignor.)
Ohio Crankshaft Company, The. (See Denneen, F. S., and Dunn, assignors.)
Ohio Insulation Company. (See Savidge, Clinton L., assignors.)
Ohio Thermometer Company, The. (See Wappner, Ralph C., assignor.)
Ohlinger, Helmut. (See Wulff, C., and Ohlinger.)
Ohls, Robert L., assignor to Reed Roller Bit Company, Houston, Texas. Valve. 2,295,862; Sept. 15.
Ojalvo, Edmond, New York, N. Y. Advertising device, toy and/or musical chime. 2,296,000; Sept. 15.
O'Leary, Charles M., Houston, Tex. Cement shoe. 2,295,803; Sept. 15.
Oliver, Elmo F., assignor of one-third to J. Armstrong and one-third to J. B. Bane, Los Angeles, Calif. Service tray. 2,295,860; Sept. 15.
Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for preparing welting. 2,295,682. Sept. 15,
Olson, Axel W., and H. C. Lungstrom, Lindsborg, Kans. Grease pump. 2,295,910; Sept. 15.
Olson, Frank R., assignor to C. B. Webb Company, Lebanon, Pa. Valve for inflatable articles. 2,295,804, Sept. 15.
Osmun, Fred N., Houston, Tex. Adjuster. 2,295,683; Sept. 15.
Overbeck, Wilcox P., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron tube timing device. 2,295,601; Sept. 15.
Overcash, Allen J., et al. (See Jones, Llewellyn, assignor.)
P & B Electric Co. (See Palmer, Granville E., assignor.)
Packard Motor Car Company. (See Bogardus, Leonard R., assignor.)
Paganello, Salvatore, Brooklyn, N. Y. Eye mounting for dolls. 2,296,179; Sept. 15.
Page, John H., assignor to The Shaw-Walker Company, Muskegon, Mich. Furniture foot construction. 2,295,911; Sept. 15.
Pagenkopf, Walter H., La Grange, assignor to Teletype Corporation, Chicago, Ill. Dehydrating and treating apparatus. 2,295,912; Sept. 15.
Palmer-Bee Company. (See Bee, G. A., and McBride, assignors.)
Palmer, Granville E., Cambridge, assignor to P & B Electric Co., Wakefield, Mass. Network distribution apparatus. 2,295,805; Sept. 15.
Paradis, Charles, Montreal, Quebec, Canada. Illuminating device. 2,295,863; Sept. 15.
Parker Rust Proof Company. (See Clifford, W. J., and Adams, assignors.)
Parker Rust Proof Company. (See Thompson, J. S., and Goodspeed, assignors.)
Parkhurst, George L., assignor to Standard Oil Company, Chicago, Ill. Conversion of hydrocarbon gases and liquids to motor fuels. 2,295,752; Sept. 15.
Pashkow, Aaron D., Chicago, Ill. Carbonated chocolate beverage and preparing the same. 2,296,180; Sept. 15.
Pass & Seymour, Inc. (See Russell, Mark N., assignor.)
"Patchem A.-G. Zur Beteiligung an Patenten und Sonstigen Erfindungsrechten auf Chemische Verfahren." (See Hentrich, W., Kaiser, and Reuss, assignors.)
Patterson, Charles F., Chicago, Ill., assignor to International Harvester Company. Lubrication system. 2,296,178; Sept. 15.
Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Antioxidant. 2,295,753; Sept. 15.
Paulson, Nils I., assignor to Halsam Products Company, Chicago, Ill. Making toy building blocks. 2,295,684; Sept. 15.
Pelc, Stanley M., Greenville, Pa. Laminated piston ring. 2,296,116; Sept. 15.
Pence, Charles D. and F. G., New Bethlehem, Pa. Derrick or tower construction. 2,295,861; Sept. 15.
Pence, Foster G. (See Pence, Charles D. and F. G.)
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
People in the Territory of the United States, Dedicated to the free use of the. (See Bostwick, Elmer P.)
People in the Territory of the United States, Dedicated to the free use of the. (See Widger, Max. C.)
Perfection Stove Company. (See Focke, T. B., and Kirkpatrick, assignors.)
Perfex Corporation. (See Malone, Homer E., assignor.)

Perkins, Arthur R., Oneonta, N. Y. Power plant frame for trucks. 2,296,181; Sept 15.
Permutit Company, The. (See Clark, Bradford J., assignor.)
Peters, Robert J., et al. (See Jones, Llewellyn, assignor.)
Peterson, Charles W. (See Hemming, H., and Peterson.)
Peterson, Ralph G., Minneapolis, Minn. Anaesthesia and surgery restraining device. 2,295,806; Sept. 15.
Pevney, Paul, Massapequa, N. Y., assignor to Republic Aviation Corporation. Aircraft structure. 2,296,117; Sept. 15.
Phelps, Ross H., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Automotive suspension. 2,295,913; Sept. 15.
Pierce, Frank L., Garden City, N. Y., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,295,965; Sept. 15.
Pistey, John M. (See Mueller, A. G., and Pistey, assignors.)
Pittsburgh Coke and Iron Company. (See Riethof, George, assignor.)
Pittsburgh Reflector Company. (See Hoeveler, John A., assignor.)
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Sheet metal nut or the like. 2,295,685; Sept. 15.
Planiol, René J. H., New York, N. Y. Method and means for making sequential drawings. 2,295,754; Sept. 15.
Planskoy, Leonti, Paris, France, assignor of one-half to Process Development Corporation, New York, N. Y. Photographic development to a predetermined value of contrast. 2,296,048; Sept. 15.
Plant, John H. G. (See Griffith, R. H., and Plant.)
Plate, Frank, Mineola, N. Y. Oyster opening device. 2,296,049; Sept. 15.
Platt, William C., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Recovery of essential oils. 2,296,004; Sept. 15.
Pleasant, Herman E., Grand Rapids, and F. M. Keller, assignors to Crampton Manufacturing Company, Holland, Mich. Valve actuating lever. 2,295,886; Sept. 15.
Plensler, Alexander W., assignor to Belmont Radio Corporation, Chicago, Ill. Tuning mechanism for radio receivers. 2,295,966; Sept. 15.
Plumb, Walter G., Ridgewood, N. J. Retractable pouring nozzle. 2,295,967; Sept. 15.
Poch, Waldemar J., Collingswood, N. J., assignor to Radio Corporation of America. Television circuit. 2,296,050; Sept. 15.
Pocock, Paul C., and W. Ernst, Mount Gilead, Ohio, assignors to The Hydraulic Development Corp., Inc., Wilmington, Del. Balancing column for horn presses. 2,296,051; Sept. 15.
Pollard, Charles E., Jr., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device. 2,295,602; Sept. 15.
Ponselle, Robert A., New York, N. Y. Brush. 2,295,687; Sept. 15.
Pontis, William G., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clamp. 2,296,221; Sept. 15.
Pool, Charles E. (See Clark, Louis B., assignor.)
Poole, Frederick A., Barrington, assignor to Production Instrument Co., Chicago, Ill. Predetermined counter. 2,295,968; Sept. 15.
Pope, Claude E., Oakland, Calif. Apparatus for the packaging of milk. 2,296,052; Sept. 15.
Porter, Ernest D., and S. B. Lisle, Oklahoma City, assignor, by mesne assignments, of one-half to Cities Service Oil Company, Bartlesville, Okla. Shutdown device. 2,296,053; Sept. 15.
Powell, Henry K., assignor to Morris Paper Mills, Chicago, Ill. Bottle holder. 2,296,228; Sept. 15.
Powell, Henry K., assignor to Morris Paper Mills, Chicago, Ill. Handle fitted carton. 2,296,230; Sept. 15.
Powell, John, Kokomo, Ind. Husking rolls. 2,295,755; Sept. 15.
Powers, Paul O., assignor to Armstrong Cork Company, Lancaster, Pa. Making floor covering. 2,295,969; Sept. 15.
Prange, Charles H., Short Hills, N. J., assignor to Dental Research Corporation, Chicago, Ill. Artificial tooth. 2,295,864; Sept. 15.
Preisman, Louis, Cleveland, Ohio, assignor to General Chemical Company, New York, N. Y. Producing hydrofluoric acid low in fluosilicic acid. 2,296,118; Sept. 15.
Printz-Biederman Company, The. (See Lapick, Salvatore, assignor.)
Process Development Corporation. (See Planskoy, Leonti, assignor.)
Procter and Gamble Company, The. (See Mills, Victor, assignor.)
Production Instrument Co. (See Poole, Frederick A., assignor.)
Prox, Frank Company, Inc. (See Fulke, Frank L., assignor.)
Pullen, Rodney S., Akron, Ohio, assignor to Pullenite Company, Chestnut Hill, Philadelphia, Pa. Match packet. 2,295,756; Sept. 15.
Pullenite Company. (See Pullen, Rodney S., assignor.)
Purchard, Paul, Pittsburgh, Pa. Stapling device. 2,295,603; Sept. 15.
Puritan Company. (See Beach, Alexander, assignor.)
Rabezzana, Hector, Flint, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Shield for spark plugs. 2,296,054; Sept. 15.
Radio Corporation of America. (See Bond, Donald S., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Epstein, David W., assignor.)
Radio Corporation of America. (See Farfel, V. M., and Smith, assignors.)
Radio Corporation of America. (See Foster, D. E., and Rankin, assignors.)
Radio Corporation of America. (See Foster, Dudley E., assignor.)
Radio Corporation of America. (See Hammond, John H., Jr., assignor.)
Radio Corporation of America. (See Kellogg, Edward W., assignor.)
Radio Corporation of America. (See Kimball, Charles N., assignor.)
Radio Corporation of America. (See Luck, David G. C., assignor.)
Radio Corporation of America. (See Nicoll, Frederick H., assignor.)
Radio Corporation of America. (See Poch, Waldemar J., assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Scheer, Charles L., assignor.)
Rankin, John A. (See Foster, D. E., and Rankin.)
Rabié, Michael, Cartagena, Colombia. Cleaning and polishing mop. 2,295,914; Sept. 15.
Ratigan, James P., Los Angeles, Calif. Clamp type carrier bar. 2,296,182; Sept. 15.
Ray, Harold B., Chicago, Ill. Washing fluid injector. 2,296,055; Sept. 15.
Raytheon Manufacturing Company. (See Overbeck, Wilcox P., assignor.)
Reconstruction Finance Corporation. (See Maxson, W. L., and McLaren, assignors.)
Reconstruction Finance Corporation. (See Westrope, Frederick J., assignor.)
Reece, Herbert A., Cleveland Heights, Ohio, assignor to Meehanite Metal Corporation. Apparatus for controlling the flow of air, gases, and the like. 2,295,604; Sept. 15.
Reed Roller Bit Company. (See Ohls, Robert L., assignor.)
Reel, Raymond D. (See Elvin, W. J., Stahl, Reel, and Duckworth.)
Reid, Albert D., West Chester, Pa. Vehicle signal system and switch. 2,296,222; Sept. 15.
Rein, Herbert. (See Emil, H., Rein, and Rossler.)
Reiner, Robert, Incorporated. (See Miller, Max C., and Lambach, assignor.)
Reinhardt, Herman E., Jr., Wood-Ridge, assignor to Midway Chemical Co., Jersey City, N. J. Closure and opening means for receptacles. 2,295,688; Sept. 15.
Remington Arms Company. (See Curtis, J. B., Mounts, and Reynolds, assignors.)
Renton, Henry N., Wyncote, assignor to The American Pulley Company, Philadelphia, Pa. Window construction. 2,295,689; Sept. 15.
Rentschler, Erwin, Irvington, N. J. Container spout. 2,295,865; Sept. 15.
Republic Aviation Corporation. (See Pevney, Paul, assignor.)
Reuss, Elfriede. (See Hentrich, W., Kaiser, and Reuss.)
Reuss, Werner. (See Hentrich, W., Kaiser, and Reuss.)
Reuther, Atus P., et al. (See Dietzmann, S. J., and Riemann.)
Reynolds, Warren S. (See Curtis, J. B., Mounts, and Reynolds.)
Richard, Zachary B., Lake Charles, La. Drill bit. 2,296,183; Sept. 15.
Ridler, Earl S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphuric acid manufacture. 2,295,605; Sept. 15.
Riefenstahl, Lester A., Wabash, Ind., assignor to The General Tire & Rubber Co., Akron, Ohio. Rubber cement and making. 2,295,866; Sept. 15.
Riemann, Karl F. (See Dietzmann, S. J., and Riemann.)
Riethof, George, Mount Lebanon, assignor to Pittsburgh Coke & Iron Company, Pittsburgh, Pa. Lutidine compounds. 2,295,606; Sept. 15.
Rilse, John, Doylestown, Ohio. Power plant foundation. 2,296,184; Sept. 15.
Ring, Harold H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Cabinet construction for ranges and the like. 2,295,915; Sept. 15.
Ringrose, Joseph E., Redmond, Oreg. Wheel and gear puller. 2,296,119; Sept. 15.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Frequency modulation receiver. 2,296,056; Sept. 15.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Electronic reactance circuits. 2,296,057; Sept. 15.
Robinson, George E. (See Van Loo, Livinus, assignor.)

Roblin, Richard O., Jr., and P. S. Winnek, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. 5-(Sulphanilamido)-2-substituted pyridines and related compounds. 2,295,867; Sept. 15.
Rohm & Haas Company. (See Bock, Louis H., assignor.)
Rohm & Haas Company. (See Thackston, William J., assignor.)
Roper, Geo. D., Corporation. (See Ring, Harold H., assignor.)
Rose, Harry, Wyandotte, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater. 2,296,185; Sept. 15.
Roseman, Richard J., Newark, N. J. Garment fastener. 2,296,188; Sept. 15.
Rosenberger, Smith Alonzo, Valparaiso, Ind. Form for precasting interrelated concrete units. 2,296,187; Sept. 15.
Rosner, Irving, assignor to Even-Pul Foundations, Inc., New York, N. Y. Corselette. 2,294,607; Sept. 15.
Rossler, Karl. (See Emil, Hubert, Rein, and Rossler.)
Rowland, Clarence G., Newington, assignor to The Fuller Brush Company, Hartford, Conn. Brush. 2,295,970; Sept. 15.
Rubinstein, Harry W., assignor to Globe-Union Inc., Milwaukee, Wis. Interchangeable knob shaft assembly. 2,296,058; Sept. 15.
Rudolf, Henry J. G., Galesburg, Ill., assignor, by mesne assignments, to The Applied Mechanics Co., Wellesley Mass. Liquid-level indicator. 2,296,189; Sept. 15.
Runge, Alfred F., Lebanon, Tenn. Thread trimmer for sewing machines. 2,296,190; Sept. 15.
Russell, Arthur L., Boston, and W. M. Watson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for treating counters. 2,295,690; Sept. 15.
Russell, Frank J., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Overload protective device. 2,295,691; Sept. 15.
Russell, George F., Richmond Hill, N. Y. Baggage register for porters. 2,296,191; Sept. 15.
Russell, Mark N., assignor to Pass & Seymour, Inc., Solvay Station, Syracuse, N. Y. Fluorescent lamp socket. 2,295,757; Sept. 15.
Ruthruff, Robert F., Chicago, Ill. Alkylation catalyst. 2,295,608; Sept. 15.
S. M. A. Corporation. (See Selbert, H. F., Tabor, and Wyeno, assignors.)
Saco-Lowell Shops. (See Cotchett, Louis M., assignor.)
Saco-Lowell Shops. (See Edfors, Sven E., assignor.)
Safety Scaffold Corporation, The. (See Lamb, Clyde K., assignor.)
Safford, Truman S., Riverside, Conn. Brake adjuster. 2,295,758; Sept. 15.
Safranski, Stanley, Chicago, and R. Millenaar, Oak Park, assignors to The Aridor Company, Chicago, Ill. Vacuum packing means or the like. 2,295,692; Sept. 15.
Sage, Frederick L., Chicago, Ill. Stopper for metallurgical ladles. 2,296,059; Sept. 15.
St. Regis Paper Company. (See Crawford, Harry H., assignor.)
St. Regis Paper Company. (See Hartman, Carl H., assignor.)
Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Steering post and ignition lock assembly. 2,295,807; Sept. 15.
Sanders, Arthur F., assignor to John Fowler & Co. (Leeds) Limited, Leeds, England. Combustion chamber. 2,296,192; Sept. 15.
Savage, John L. (See Kinzle, P. A., Savage, and Nantz.)
Savidge, Clinton L., assignor to Ohio Insulation Company, Toledo, Ohio. Fabricating mineral fiber. 2,295,971; Sept. 15.
Schaad, Raymond E., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,295,808; Sept. 15.
Schaper, William H. (See Brown, E. E., Anderson, and Schaper.)
Scheer, Charles L., Haddonfield, N. J., assignor to Radio Corporation of America. Capacitor. 2,295,759; Sept. 15.
Schenley Distillers Corporation. (See Carter, Sidney T., assignor.)
Schick Incorporated. (See Thomas, W. A., and Linsley, assignors.)
Schiff, Martin, assignor to Century Electric Company, St. Louis, Mo. Alternating current motor. 2,295,916; Sept. 15.
Schilling, Karl. (See Eckert, W., and Schilling.)
Schirmer, Walter E. (See Grater, A. E., and Schirmer.)
Schneider & Cie. (See Fontaine, Georges M. T. A., assignor.)
Schneider, Karl. (See Greune, H., and Schneider.)
Schreiber, Richard S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separating aldehydes and ketones. 2,295,760; Sept. 15.
Schroeder, Lloyd H. (See Behr, G. E., and Schroder.)
Schultze, Paul, assignor to Doran Brothers, Incorporated, Danbury, Conn. Picker roll construction for fur blowing machines. 2,295,762; Sept. 15.
Schurtan, Paul, Richmond, England. Elimination of moisture difficulties in the separation of hydrocarbon mixtures. 2,295,809; Sept. 15.
Schwan, Joseph F., St. Paul, Minn. Hay loader and stacker. 2,295,917; Sept. 15.
Schwartzwalder, Karl. (See McDougal, T. G., Schwartzwalder, and Smith.)
Schwarz, Bertram A., and J. G. Funk, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Tuning device. 2,296,060; Sept. 15.
Schwarz, Bertram A., and L. Fichter, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Tuning mechanism. 2,296,061; Sept. 15.
Schwebke, Clarence J., and F. E. Hoadley, Beloit, assignors to Flakall Corporation, South Beloit, Wis. Preparing food products. 2,295,868; Sept. 15.
Schwitzer-Cummins Company (See Beier, Kurt A., assignor.)
Scott, William J., Rugby, England, assignor to General Electric Company. Electric discharge apparatus. 2,296,062; Sept. 15.
Scovill Manufacturing Company. (See Carlson, Lester A., assignor.)
Seaman, Richard H., Los Angeles, Calif. Neon sign. 2,295,869; Sept. 15.
Secretary of Agriculture of the United States of America, and his successors in office Claude R. Wickard. (See Gooden, Ernest L., assignor.)
Seibert, Howard F., and J. M. Tabor, Cleveland, and J. Wyeno, Chagrin Falls, Ohio, assignors, by mesne assignments, to S. M. A. Corporation, Chicago, Ill. Preparation of nicotinic acid. 2,295,870; Sept. 15.
Seigh, Wallace D., Johnstown, Pa. Abrading implement. 2,295,693; Sept. 15.
Selas Company, The. (See Hess, Frederic O., assignor.)
Shaler Company, The. (See Hanson, H. H., and Sorenson, assignors.)
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Auxiliary fan switch. 2,296,063; Sept. 15.
Shaw-Walker Company, The. (See Page, John H., assignor.)
Shell Development Company. (See Soren, Stanley S., assignor.)
Shell Development Company. (See Thomas, S. B., and McMillan, assignors.)
Shimon, Leonard R., Marquette, Mich. Can holder. 2,295,609; Sept. 15.
Shively, Chester H. (See Freeman, Leon T., assignor.)
Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine. 2,296,120; Sept. 15.
Shoup Voting Machine Corporation, The. (See Shoup, Ransom F., assignor.)
Siebert, Donald W., Gardner, Mass. Child's carriage. 2,296,193; Sept. 15.
Signal Engineering & Manufacturing Company. (See Wheelock, John H., assignor.)
Sigoda, Victor J., Great Neck, assignor to Man-Sew Pinking Attachment Corp., New York, N. Y. Pinking machine. 2,295,610; Sept. 15.
Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Surface grinding machine. 2,296,064; Sept. 15.
Simmonds, John E., St. Kilda, Victoria, Australia. Soapholding and other accessories for faucets or water taps. 2,295,972; Sept. 15.
Simonson, Everett T. (See Gonzales, R. A., and Simonson.)
Slack, Charles M., Glen Ridge, and L. F. Ehrke, Newark, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Water vapor getter. 2,295,694; Sept. 15.
Sladky, Joseph F., Racine, assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Pump. 2,295,810; Sept. 15.
Slamp, Kenneth C., Davis, Ill. Hay rake. 2,296,065; Sept. 15.
Slattery, Martin J., Youngstown, Ohio. Amusement device. 2,296,001; Sept. 15.
Sloan, Clifford K., Woodside Hills, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigment materials and making the same. 2,296,066; Sept. 15.
Sloan Valve Company. (See Sloan, W. E., and Bellamy, assignors.)
Sloan, William E., Rivert Forest, and J. I. Bellamy, Brookfield, assignors to Sloan Valve Company, Chicago, Ill. Flush valve. 2,295,871; Sept. 15.
Sly, W. W., Manufacturing Company, The. (See Boesger, George A., assignor.)
Smart, Ralph F. (See Hyndman, M., and Smart.)
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,295,973; Sept. 15.
Smith, Arthur E. (See Hersey, D. S., and Smith.)
Smith, Howard A., assignor to Knapp-Monarch Company, St. Louis, Mo. Thermostat. 2,296,067; Sept. 15.
Smith, James A., Philadelphia, Pa. Germicidal soap. 2,296,121; Sept. 15.
Smith, James V., Birmingham, England. Conveyer control device. 2,296,223; Sept. 15.
Smith, Jerome C. (See Farfel, V. M., and Smith.)
Smith, L. C., & Corona Typewriters, Inc. (See Walker, C., and Gabrielson, assignors.)
Smith, Robert W. (See McDougal, T. G., Schwartzwalder, and Smith.)
Smith, Roy H., Chatham Township, Morris County, N. J. Poultry picking apparatus. 2,295,761; Sept. 15.

Smith, William R., Portland, Oreg., assignor to American Can Company, New York, N. Y. Vacuum system for can closing machines. 2,295,611; Sept. 15.
Snyder, Omar E. (See Banigan, T. F., and Snyder.)
Society of Chemical Industry in Basle. (See Kern, W., Holbro, and Tobler, assignors.)
Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Separation of resin-forming aromatic hydrocarbons from mixtures by solvent extraction. 2,295,612; Sept. 15.
Soren, Stanley S., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Asphalt composition. 2,295,974; Sept. 15.
Sorenson, William H. (See Hanson, H. H., and Sorenson.)
Sperry, Paul A., New Haven, Conn., assignor to United States Rubber Company, New York, N. Y. Molding shoe soles. 2,295,763; Sept. 15.
Spotts, Daniel G. (See Furnas, W. C. and Spotts.)
Squassoni, Rizzieri, Sao Paulo, Brazil. Indirect compression refrigeration mechanism. 2,296,122; Sept. 15.
Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Abrading machine. 2,295,695; Sept. 15.
Stahl, Elmer R. (See Elvin, W. J., Stahl, Reel, and Duckworth.)
Standard Oil Company. (See Parkhurst, George L., assignor.)
Standard Railway Devices Company. (See Bancroft, Alfred G., assignor.)
Steel Storage File Company, The. (See Detrich, Donald J., assignor.)
Steffensen, Percy L., Cornwall, Pa., assignor to Bethlehem Steel Company. Treatment of finely divided material. 2,295,811; Sept. 15.
Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)
Stewart-Warner Corporation. (See Rose, Harry, assignor.)
Stillwell, Charles W., assignor to Dennison Manufacturing Company, Framingham, Mass. Gummed sheet material. 2,295,613; Sept. 15.
Stimson, Allen G., Schenectady, N. Y., assignor to General Electric Company. Electroresponsive device. 2,296,123; Sept. 15.
Stoehr, Hans, Philadelphia, Pa. Jacquard loom. 2,295,696; Sept. 15.
Stohl, Ludwig A., Sun Prairie, Wis. Insulator knob. 2,295,872; Sept. 15.
Stone, Albert L. (See Stone, F., and Stone.)
Stone, Albert L., Palos Verdes Estates, assignor to Hydril Company of California, Los Angeles, Calif. Well pipe collar. 2,295,873; Sept. 15.
Stone, Frederick, Redondo Beach, and A. L. Stone, Palos Verdes Estates, assignors to Hydril Company of California, Los Angeles, Calif. Adapter for well pipes. 2,295,874; Sept. 15.
Storm, Christian G. (See McCloud, D. B., Lewis, and Storm.)
Storm, George L., West Orange, assignor of one-half to A. Wright, Essex Fells, N. J. Radiographic equipment. 2,295,975; Sept. 15.
Strassenburg, Eric, New York, N. Y. Photographic shutter. 2,295,812; Sept. 15.
Sturm, B. R. (See Weston, Roy, assignor.)
Sturtevant, B. F., Company. (See Goldthwaite, George R., assignor.)
Sturtevant, B. F., Company. (See Hemming, H., and Peterson, assignors.)
Sulentic, Nicholas, Waterloo Township, Blackhawk County, Iowa. Sectional guide for cabinet drawers. 2,295,697; Sept. 15.
Suplee, Carlton L. (See Cantrell, T. L., and Suplee.)
Suskowitz, Mack, Ozone Park, and F. Kopp, Brooklyn, N. Y. Interlocking fastener guard. 2,295,976; Sept. 15.
Swanson, John, assignor to J. & L. Tool Company, Attleboro, Mass. Foot press guard. 2,296,068; Sept. 15.
Tabor, Joseph M. (See Seibert, H. F., Tabor, and Wyeno.)
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Rotor brake. 2,295,875; Sept. 15.
Talbert, Guy W., Summit, N. J., and E. W. Blizzard, Kenmore, N. Y., assignors to Allied Chemical & Dye Corporation. Fuel for internal combustion engines. 2,296,069; Sept. 15.
Tampier, René, Cricklewood, London, England. Ball joint. 2,296,124; Sept. 15.
Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Radiant heat responsive device. 2,295,876; Sept. 15.
Taylor, Orlin D., Bluffton, Ind. Bread slicing machine. 2,295,764; Sept. 15.
Taylor, Smith & Taylor Company, The. (See Bower, James A., assignor.)
Teletype Corporation. (See Hulfish, David S., assignor.)
Teletype Corporation. (See Pagenkopf, Walter H., assignor.)
Tennessee Eastman Corporation, et al. (See Emery, F. H., and Levis, assignors.)
Texas Company, The. (See Dorsch, Russell F., assignor.)
Texas Company, The. (See Hill, Arthur G., assignor.)
Texas Company, The. (See Kaufman, Gus, assignor.
Texas Company, The. (See Knowles, E. C., and McCoy, assignors.)
Textile Machine Works. (See Gastrich, Gustav, assignor.)
Thackston, William J., Haddon Heights, N. J., assignor to Röhm & Haas Company, Philadelphia, Pa. Finishing textiles. 2,295,699; Sept. 15.
Ther, Eugene J., Chicago, Ill. Stove. 2,295,698; Sept. 15.
Thew Shovel Company. (See Zellman, Roy H., assignor.)
Thomas, Dean G. (See Norris, R. F., and Thomas.)
Thomas, Percy W., Wichita, Kans. Tempering machine for wheat or the like. 2,295,918; Sept. 15.
Thomas, Samuel B., and F. M. McMillan, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Process for the preparation of an aluminum chloride catalyst. 2,295,977; Sept. 15.
Thomas, William A., Riverside, and D. F. Linsley, Greenwich, assignors to Schick Incorporated, Stamford, Conn. Stadimeter gearing. 2,295,877; Sept. 15.
Thompson, Albert T., New Orleans, La. Liquefier. 2,295,878; Sept. 15.
Thompson, John S., and E. W. Goodspeed, assignors to Parker Rust Proof Company, Detroit, Mich. Treatment of metal primers. 2,296,070; Sept. 15.
Thumim, Carl, Yeadon, Pa., assignor to General Electric Company. Electric circuit breaker. 2,296,071; Sept. 15.
Tietig, Chester. (See Murray, John, assignor.)
Titanium Alloy Manufacturing Company, The. (See Comstock, George F., assignor.)
Tobler, Richard. (See Kern, W., Holbro, and Tobler.)
Toce, Charles A. and V. J., assignors to Federal Aircraft Engine Corporation, Houston, Tex. Two-cycle engine. 2,295,978; Sept. 15.
Toce, Victor J. (See Toce, Charles A. and V. J.)
Tokheim Oil Tank and Pump Company. (See Botterton, Gerald, assignor.)
Towne, Charles C., Summitt, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin actuated device. 2,295,614; Sept. 15.
Traub, John L., Henning, Minn. Automatic volume control for keyboard operated musical instruments. 2,296,125; Sept. 15.
Trautman, Charles W. and H. E. Bucklen, III, assignor to Bucklen-Bear Laboratories, Inc., Elkhart, Ind. Mercury switch. 2,296,194; Sept. 15.
Travers, Lewis C., assignor to Mahoney Chair Company, Gardner, Mass. Chair. 2,296,224; Sept. 15.
Trumbull Electric Manufacturing Company, The. (See Hammerly, Herman J., assignor.)
Tucker, Dondas P., U. S. Navy. Frequency measurement and control. 2,295,615; Sept. 15.
Tucker, John R., assignor to J. G. Davidson, La Crescenta, Calif. Internal combustion engine. 2,295,879; Sept. 15.
Tucker, Warren R., Dayton, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Hydraulic control circuit. 2,295,813; Sept. 15.
Tucker, Warren R., Dayton, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del. Hydraulic press. 2,296,072; Sept. 15.
Tulley, Paul B. (See Hageman, A. M., and Tully.)
Turco Products, Inc. (See Hunter, Donald P., assignor.)
Turnbull, J. R., et al. (See Gillespie, Charles P., assignor.)
Tuttle, Harry C. (See Gruettner, Gerhard G., assignor.)
Tym, Michael, Chicago, Ill. Building construction. 2,296,002; Sept. 15.
Ullrich, Fred J., Kalamazoo, assignor of one-half to L. A. Fordon, Detroit, Mich. Automatic setup box or carton. 2,296,126; Sept. 15.
Ulrich, Heinrich, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Nitrogenous condensation products and producing same. 2,296,225; Sept. 15.
Ulrich, Heinrich, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Nitrogenous condensation products and producing same. 2,296,226; Sept. 15.
Underwood, James W. (See D'Alelio, G. F., and Underwood.)
Union Asbestos & Rubber Company. (See Breen, Henry D., assignor.)
Union Asbestos & Rubber Company. (See Breen, H. D., and Champion, assignors.)
United Aircraft Corporation. (See Hersey, D. S., and Smith, assignors.)
United Gas Improvement Company, The. (See Soday, Frank J., assignor.)
United Shoe Machinery Corporation. (See Alderman, Leon D., assignor.)
United Shoe Machinery Corporation. (See Boyer, John H., assignor.)
United Shoe Machinery Corporation. (See Fossa, Joseph, assignor.)
United Shoe Machinery Corporation. (See Griffin, Norval B., assignor.)
United Shoe Machinery Corporation. (See James Cyril H., assignor.)
United Shoe Machinery Corporation. (See Meyer, Vernon, H.)

United Shoe Machinery Corporation. (See Oliver, John R., assignor.)
United Shoe Machinery Corporation. (See Russell, A. L., and Watson, assignors.)
United Shoe Machinery Corporation. (See Stacey, Ernest W., assignor.)
United Shoe Machinery Corporation. (See Wadsworth, Eliot M., assignor.)
United States Rubber Company. (See Hurt, Victor H., assignor.)
United States Rubber Company. (See Keen, Alexis W., assignor.)
United States Rubber Company. (See Paul, Philip T., assignor.)
United States Rubber Company. (See Sperry, Paul A., assignor.)
Universal Hydraulic Corporation. (See Kinzie, P. A., Savage, and Nantz, assignors.)
Universal Oil Products Company. (See Chenicek, Joseph A., assignor.)
Universal Oil Products Company. (See Grote, Henry W., assignor.)
Universal Oil Products Company. (See Schaad, Raymond E., assignor.)
University of Illinois Foundation. (See Fellows, J. R., and Miles, assignors.)
Vacuum-Science Products Limited. (See van den Bosch, Francois J. G., assignor.)
Valois, Felix E. and T. R., Montreal, Quebec, Canada. Lawn sprinkler. 2,295,880; Sept. 15.
Valois, Thomas R. (See Valois, Felix E. and T. R.)
Van den Bosch, Francois J. G., Horley, assignor to Vacuum-Science Products Limited, London, England. Electron discharge device. 2,295,919; Sept. 15.
Van Gordon, Le Roy C., Franklinville, assignor to Kimble Glass Company, Vineland, N. J. Stenciling machine. 2,295,979; Sept. 15.
Van Loo, Livinus, assignor of one-half to G. E. Robinson, Detroit, Mich. Automatic vehicle control. 2,296,003; Sept. 15.
Vann, J. C., et al. (See Gillespie, Charles P., assignor.)
Varga, Mike, New York, N. Y. Insulating connector for wires. 2,296,227; Sept. 15.
Varner, David E., Wichita, Kans. Support for expansion joint fillers, reinforcing rods, and dowel bars. 2,296,195; Sept. 15.
Vermillion, Raymond H., assignor, by mesne assignments, to Brinck Engineering Company, Inc., Los Angeles, Calif. Processing material such as green coffee. 2,295,920; Sept. 15.
Vilsmeier, Anton. (See Neresheimer, H., and Vilsmeier.)
Von Rosenberg, Herbert J., San Antonio, Tex. Portable derrick. 2,296,186; Sept. 15.
Vultex Chemical Company. (See Bitter, Raymond E., assignor.)
Wade, Stuart E., Hampton, and A. Moulton, Garden Vale, Victoria, Australia. Folder. 2,295,704; Sept. 15.
Wadsworth, Eliot M., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Device for use in applying pressure to shoe bottoms. 2,295,700; Sept. 15.
Wägerle, Karl, Ludwigsburg, Germany, assignor to J. Waltzfelder, New York, N. Y. Laminated structural material. 2,295,814; Sept. 15.
Wagner, Herbert, Berlin, Germany; vested in the Alien Property Custodian. Driving means for mechanism for multi-motored airplanes. 2,296,006; Sept. 15.
Wagner, Robert L., Niagara Falls, N. Y., assignor to Haynes Stellite Company. Method and apparatus for applying metal coatings. 2,295,701; Sept. 15.
Waltzfelder, Jacques. (See Wägerle, Karl, assignor.)
Walgo, Albert, Mattituck, N. Y. Can opener. 2,296,073; Sept. 15.
Walker, Charles, and W. A. Gabrielson, assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 2,295,921; Sept. 15.
Wallace, Joseph, Cedarhurst, N. Y. Stylographic pen. 2,296,127; Sept. 15.
Wappner, Ralph C., assignor to The Ohio Thermometer Company, Springfield, Ohio. Method and means for attaching thermometer tubes to bases. 2,295,703; Sept. 15.
Watson, William M. (See Russell, A. L., and Watson.)
Weatherhead Company, The. (See Carlson, Bert G., assignor.)
Webb, C. B., Company. (See Olson, Frank R., assignor.)
Webb, C. B., Company. (See Webb, Charles A., assignor.)
Webb, Charles A., assignor to C. B. Webb Company, Lebanon, Pa. Athletic playing ball. 2,295,815; Sept. 15.
Weber, Oscar L., Stevens Point, Wis. Fly rod lure. 2,295,765; Sept. 15.
Weed, Merlin D., and P. A. Bennett, Punxsutawney, Pa. Safety shield for climbing iron gaffs. 2,296,074; Sept. 15.
Wegener, Wilhelm, Berlin-Schlachtensee, Germany, assignor to Accounting and Tabulating Machine Corporation, New York, N. Y. Card-controlled bookkeeping machine. 2,296,075; Sept. 15.
Weiner, John H., Canonsburg, Pa. Signaling device. 2,296,005; Sept. 15.
Weingarten, Abraham, Bronx, N. Y. Thermostatically controlled mixing faucet. 2,296,128; Sept. 15.
Weisenberger, Jacob P., Grayson, Saskatchewan, Canada. Grain loader. 2,296,007; Sept. 15.
Weissenborn, Albert, Dessau, Germany; vested in the Alien Property Custodian. Preparing terpine hydrate. 2,295,705; Sept. 15.
Weisz, Rezsö, Budapest, Hungary; vested in the Alien Property Custodian. Estradiol derivatives and preparing same. 2,295,980; Sept. 15.
Well Surveys, Incorporated. (See Neufeld, Jacob, assignor.)
Weltronic Corporation. (See Collom, Cletus J., assignor.)
Wendt, Gerhard. (See Kuhn, R., and Wendt.)
West, Frank W., Bellefonte, Pa. Meat tenderer. 2,296,129; Sept. 15.
Western Electric Company. (See Albersheim, Walter J., assignor.)
Western Electric Company. (See Brown, William J., assignor.)
Western Electric Company. (See Fralish, Howard J., assignor.)
Western Electric Company. (See King, John W., assignor.)
Western Electric Company. (See Lutz, Raymond P., assignor.)
Western Union Telegraph Company, The. (See Currie, Frank L., assignor.)
Western Union Telegraph Company, The. (See Howe, P. J., and Wyss, Jr., assignors.)
Westinghouse Air Brake Company, The. (See Crittenden, Philip L., assignor.)
Westinghouse Air Brake Company, The. (See Hines, Claude M., assignor.)
Westinghouse Air Brake Company, The. (See Larson, Arthur G., assignor.)
Westinghouse Air Brake Company, The. (See McCune, J. C., and Newell, assignors.)
Westinghouse Electric & Manufacturing Company. (See Beese, Norman C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hageman, A. M., and Tully, assignors).
Westinghouse Electric & Manufacturing Company. (See Monromtseff, I. E., and Dinnick.)
Westinghouse Electric & Manufacturing Company. (See Slack, C. M., and Ehrke, assignors.)
Weston, Roy, assignor of one-half to B. R. Sturm, Toppenish, Wash. Vegetable juicer. 2,295,922; Sept. 15. Sept. 15.
Westrope, Frederick J., Pleasant Ridge, assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Visor structure. 2,296,130; Sept. 15.
Wheelock, John H., Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Contact-latching arrangement for circuit controlling devices. 2,295,881; Sept. 15.
White, Harry B., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,295,981; Sept. 15.
White, Joe, Anderson, and J. W. Falconer, Middletotwn, Ind., assignors to General Motors Corporation, Detroit, Mich. Horn control circuit. 2,296,131; Sept. 15.
Widger, Max C., Corvallis, Oreg., Dedicated to the free use of the People in the Territory of the United States. Fibrous straw breaking and scutching machine. 2,295,766; Sept. 15.
Widman, Joseph, Los Angeles, Calif. Pump unit and stand. 2,295,982; Sept. 15.
Wiggins, John H., Chicago, Ill. Vent valve for gas and/or liquid storage tanks. 2,295,767; Sept. 15.
Willcox & Gibbs Sewing Machine Company. (See, Cumfer, Donald A., assignor.)
Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Window construction. 2,295,882; Sept. 15.
Williams, Burdell S., Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich. Air conditioning system. 2,295,983; Sept. 15.
Williams, Harry D. (See Lockhart, Charles F., assignor.)
Williams, Victor N., Kansas City, Mo. Gas proof socket for fluorescent lamps. 2,295,883; Sept. 15.
Williamson, Charles G., Sacramento, Calif. Probability computer. 2,295,616; Sept. 15.
Williamson, Leon S., assignor of one-half to M. L. Legro, Minneapolis, Minn. Storage battery carrier. 2,295,768; Sept. 15.
Wilson, Burgess C., Oneonta, N. Y. Vacuum cleaner. 2,295,984; Sept. 15.
Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Signal-translating stage. 2,295,816; Sept. 15.
Winkler, Heinz, administrator. (See Hentrich, W., Kaiser, and Reuss.)
Winnek, Philip S. (See Roblin, R. O., Jr., and Winnek.)
Winnek, Philip S., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. P-substituted-benzenesulphonyl biguanides and their preparation. 2,295,884; Sept. 15.
Winther, Conrad P., Paynesville, Minn. Vibratory massage device. 2,295,817; Sept. 15.
Winthrop Chemical Company. (See Kuhn, R., and Wendt, assignors.)
Wiseley, Don C., Los Angeles, Calif. Magnetic check and release valve. 2,296,132; Sept. 15.
Wissler, William A., Niagara Falls, N. Y., assignor to Haynes Stellite Company. Method of and apparatus for applying metal coatings. 2,295,702; Sept. 15.
Wistar, Richard, Oakland, Calif. Device for recording answers to examination questions. 2,295,818; Sept. 15.

Witter, Lawrie L. (See Atkins, Thomas R., assignor.)
Wolfe, Daniel D., Kansas City, Mo. Holder. 2,296,133; Sept. 15.
Wood, David, New York, N. Y. Toeless splice bar. 2,296,076; Sept. 15.
Wood, John, Manufacturing Company. (See Woodford, Joseph C., assignor.)
Woodford, Joseph C., Wayne, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Registering and computing mechanism. 2,295,819; Sept. 15.
Woodin, William H., Jr. (See Anderson, Verne R., assignor.)
Woolford, Custis S., South Orange, N. J., assignor to American Can Company, New York, N. Y. Sheet metal treating machine. 2,295,617; Sept. 15.
Wright, Arthur. (See Storm, George L., assignor.)
Wright, Clifton C., Chicago, Ill. Electric power-driven razor. 2,296,134; Sept. 15.
Wright, Mary E., Milwaukee, Wis. Hair drier. 2,295,820; Sept. 15.
Wulff, Carl, and H. Ohlinger, Ludwigshafen-on-the-Rrine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Recovery of aliphatic polyhydroxy compounds. 2,295,618; Sept. 15.
Wydler, Johann J., Westfield, N. J., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y. Internal combustion engine. 2,295,619; Sept. 15.
Wyeno, Juro. (See Seibert, H. F., Tabor, and Wyeno.)
Wyss, Chris, Tillamook, Oreg. Valve and pipe connection. 2,295,821; Sept. 15.
Wyss, Clement H., Jr. (See Howe, P. J., and Wyss, Jr.)
Yale & Towne Manufacturing Company, The. (See Johnstone, Theodore H., assignor.)
Yates, Robert E., assignor to Drying Systems, Inc., Chicago, Ill. Control apparatus. 2,295,885; Sept. 15.
Yonkers, Edward H., Jr., Glencoe, Ill. Suction nozzle. 2,296,077; Sept. 15.
Young, Pearl, Geary, Okla. Face shield. 2,296,078; Sept. 15.
Yundt, M. (See Gettelman, Fredrick, assignor.)
Zaiger, Max, Swampscott, Mass. Arm for windshield wipers. 2,295,620; Sept. 15.
Zaiger, Max, Swampscott, Mass. Windshield wiper arm. 2,295,621; Sept. 15.
Zellman, Roy H., assignor to Thew Shovel Company, Lorain, Ohio. Excavating and load handling machine. 2,295,769; Sept. 15.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF SEPTEMBER, 1942

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Rayon and the like, Manufacture of. O. Oppenlaender. Re. 22,178; Sept. 15.

LIST OF DESIGN INVENTIONS

Airplane. A. C. Bierig. 133,805; Sept. 15.
Airplane. E. W. Gardenhire. 133,777; Sept. 15.
Anchor, Girdle. W. C. Wagner. 133,803; Sept. 15.
Battery charger. C. G. Sherman and W. P. Ryan. 133,790; Sept. 15.
Battery charger and tester, Combined. C. G. Sherman and W. P. Ryan. 133,792; Sept. 15.
Battery charger, Storage. C. G. Sherman and W. P. Ryan. 133,791; Sept. 15.
Belt. L. Gottlieb. 133,798; Sept. 15.
Cannula and hub, Combined. W. Erhard. 133,795; Sept. 15.
Coat. H. Frechtel. 133,796; Sept. 15.
Container and lipstick, Combined lipstick. E. Kairalla. 133,779; Sept. 15.
Curler or similar article. E. Reynolds. 133,784–5; Sept. 15.
Device for hypodermic needle, Safety. F. Porter. 133,783; Sept. 15.
Dress. E. Cutler. 133,806–7; Sept. 15.
Dress. L. Decker. 133,794; Sept. 15.
Dress. S. Franklin. 133,808–9; Sept. 15.
Dress. L. C. Hawxhurst. 133,810–15; Sept. 15.
Electric space heater. G. Steingruber. 133,802; Sept. 15.
Exhaust shroud, Automobile. L. A. Koch. 133,788; Sept. 15.
Fabric, Textile. H. W. Sandground. 133,817; Sept. 15.
Generator, Ozone. H. H. Carroll and W. C. Wensel. 133,787; Sept. 15.
Glass or similar article, Cocktail. C. L. Fordyce. 133,776; Sept. 15.
Hanger or similar article, Coat. M. L. Goldbert. 133,797; Sept. 15.
Housecoat. P. Salfeety. 133,800; Sept. 15.
Mask, Dive. H. L. Messinger. 133,781; Sept. 15.
Mower, Lawn. R. D. Clemson. 133,775; Sept. 15.
Negligee. E. Appel. 133,793; Sept. 15.
Plaque. R. T. Usedom. 133,786; Sept. 15.
Rack, Combined magazine and book. P. Love. 133,780; Sept. 15.
Sandal. G. M. Smith. 133,801; Sept. 15.
Screw driver. W. H. Pfeiffer. 133,782; Sept. 15.
Shoe or similar article. A. Gerber. 133,804; Sept. 15.
Slip. S. Landau. 133,816; Sept. 15.
Tableting machine. K. W. Hall. 133,799; Sept. 15.
Telegraph recorder, Automatic. W. J. Ramhorst. 133,789; Sept. 15.
What-not, Hanging. J. G. Homeijer. 133,778; Sept. 15.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF SEPTEMBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. L. D. Alderman. 2,295,622; Sept. 15.
Abrading machine. E. W. Stacey. 2,295,695; Sept. 15.
Abrasive throwing machine. G. A. Boerger. 2,295,326; Sept. 15.
Acceleration responsive device. C. L. Eksergian. 2,295,725; Sept. 15.
Acid manufacture, Sulphuric. E. S. Ridler. 2,295,605; Sept. 15.
Acid-treating process. R. F. Dorsch. 2,296,096; Sept. 15.
Acids and their esters and products thereof, Preparation of pyrrolidone carboxylic. S. Natelson and S. J. Kahn. 2,295,600; Sept. 15.
Acids, Refining naphthenic. E. C. Knowles and F. C. McCoy. 2,296,039; Sept. 15.
Acyl derivatives of vitamin B_6 and making the same. R. Kuhn and G. Wendt. 2,296,167; Sept. 15.
Adapter for well pipes. F. and A. L. Stone. 2,295,874; Sept. 15.
Addressing machine. F. V. Moore. 2,295,748; Sept. 15.
Adjuster. F. N. Osmun. 2,295,683; Sept. 15.
Adjuster, Frictional. F. D. Groves. 2,295,731; Sept. 15.
Adjuster, Space. L. P. Lauffenburger. 2,295,996; Sept. 15.
Advertising device, toy and/or musical chime. E. Ojalvo. 2,296,000; Sept. 15.
Aerial delivery container, Extensible. F. G. Manson and J. J. Maskey. 2,295,590; Sept. 15.
Air conditioning system. B. S. Williams. 2,295,983; Sept. 15.
Air conditioning system, Vehicular. R. F. Norris and D. G. Thomas. 2,295,750; Sept. 15.
Air washer system. H. Hemming and C. W. Peterson. 2,296,034; Sept. 15.
Aircraft in flight, Method and apparatus for pick-up and delivery by. V. R. Anderson. 2,295,537; Sept. 15.
Aircraft structure. P. Peyney. 2,296,117; Sept. 15.
Aldehydes and ketones, Separating. R. S. Schreiber. 2,295,760; Sept. 15.
Aliphatic polyhydroxy compounds, Recovery of. C. Wulff and H. Ohlinger. 2,295,618; Sept. 15.
Alloy for treatment of steel. G. F. Comstock. 2,295,706; Sept. 15.
Alternating current motor. M. Schiff. 2,295,916; Sept. 15.
Aluminum acetate-casein complex and making. W. B. Kinney. 2,296,108; Sept. 15.
Aluminum chloride catalyst, Preparation of an. S. B. Thomas and F. M. McMillan. 2,295,977; Sept. 15.
Amines, Alphyloxymethyl. L. H. Bock. 2,295,709; Sept. 15.
Ammonium compounds and producing the same, Quaternary. W. Hentrich, W. Kaiser, and W. Reuss. 2,295,655; Sept. 15.
Ampere demand meter. J. H. Melville and R. Hoeller. 2,295,950; Sept. 15.
Amusement device. M. J. Slattery. 2,296,001; Sept. 15.
Anaesthesia and surgery restraining device. R. G. Peterson. 2,295,806; Sept. 15.
Anchor, Christmas tree. J. J. Maloney. 2,296,217; Sept. 15.
Animal tether. J. B. Hyde. 2,295,581; Sept. 15.
Antioxidant. P. T. Paul. 2,295,753; Sept. 15.
Antioxidants, Rubber. W. Baird and M. Jones. 2,295,985; Sept. 15.
Apparatus and method for producing lock washers. E. Jordan. 2,295,583; Sept. 15.
Apparatus for applying supplemental members to bag ends. H. H. Crawford. 2,296,146; Sept. 15.
Apparatus for cementing objects in well bores. A. L. Armentrout. 2,295,822; Sept. 15.
Apparatus for cleaning the ends of containers. W. I. Gladfelter. 2,295,575; Sept. 15.
Apparatus for controlling the flow of air, gasses, and the like. H. A. Reece. 2,295,604; Sept. 15.
Apparatus for cooking food products. G. L. Gustafson. 2,295,651; Sept. 15.
Apparatus for foaming liquids. A. W. Keen. 2,295,740; Sept. 15.
Apparatus for forming fabric bands. W. J. Breth. 2,295,541; Sept. 15.
Apparatus for forming wheel rims. F. H. Le Jeune. 2,295,852; Sept. 15.
Apparatus for heating fluids. H. E. Handley. 2,295,785; Sept. 15.
Apparatus for machining preformed holes. M. Mallory. 2,295,856; Sept. 15.
Apparatus for making cementitious articles. E. D. Boyle. 2,296,018; Sept. 15.
Apparatus for making plissé crepe. T. McConnell. 2,295,857; Sept. 15.
Apparatus for measuring fluid pressure. H. H. Allen. 2,296,237; Sept. 15.
Apparatus for perforating sheet material. M. E. Bechtel. 2,296,136; Sept. 15.
Apparatus for sealing containers. W. D. Bell. 2,296,013; Sept. 15.
Apparatus for servicing hydraulic brakes. A. Beach. 2,295,530; Sept. 15.
Apparatus for spraying liquid. D. P. Hunter. 2,295,661; Sept. 15.
Apparatus for the packaging of milk. C. E. Pope. 2,296,052; Sept. 15.
Apparatus for the reversal of color negatives. F. Biedermann. 2,295,628; Sept. 15.
Arm for windshield wipers. M. Zaiger. 2,295,620; Sept. 15.
Arrangement for circuit controlling devices, Contact-latching. J. H. Wheelock. 2,295,881; Sept. 15.
Article-handling tool. W. H. Harstick. 2,296,203; Sept. 15.
Asphalt composition. S. S. Soren. 2,295,974; Sept. 15.
Assembling machine. J. B. Curtis, W. V. Mounts, and W. S. Reynolds. 2,295,776; Sept. 15.
Attachment for record-producing mechanism. W. R. Fuller. 2,296,156; Sept. 15.
Automobile signal light switch. E. V. Chapman. 2,296,021; Sept. 15.
Automotive suspension. R. H. Phelps. 2,295,913; Sept. 15.
Auxiliary fan switch. B. E. Shaw. 2,296,063; Sept. 15.
Bag: *See*—
  Traveling bag.
Bag attachment. C. Larson. 2,295,584; Sept. 15.
Bag turning machine. A. J. Ersted. 2,295,940; Sept. 15.
Baggage register for porters. G. F. Russell. 2,296,191; Sept. 15.
Balancing column for horn presses. P. C. Pocock and W. Ernst. 2,296,051; Sept. 15.
Bale. C. W. Lanter. 2,295,742; Sept. 15.
Ball, Athletic playing. C. A. Webb. 2,295,815; Sept. 15.
Ball joint. R. Tampier. 2,296,124; Sept. 15.
Bar: *See*—
  Clamp type carrier bar. Toeless splice bar.
Barium, cadmium, and zinc compounds as catalysts, Dealkylation using. V. E. Meharg and K. W. Coons. 2,295,675; Sept. 15.
Bathing cap. T. J. Howland. 2,295,659; Sept. 15.
Battery cover. C. H. King. 2,296,038; Sept. 15.
Battery tester. B. F. W. Heyer. 2,295,578; Sept. 15.
Benzanthrones and preparing them. H. Greune and K. Schneider. 2,295,649; Sept. 15.
Beverage and preparing the same, Carbonated chocolate. A. D. Pashkow. 2,296,180; Sept. 15.
Biguanides and their preparation, P-substituted-benzenesulphonyl. P. S. Winnek. 2,295,884; Sept. 15.
Bird house construction. L. G. Copeman. 2,295,891; Sept. 15.
Bit: *See*—
  Drill bit.
Bit and holder therefor, Cutter. F. L. Fulke. 2,296,235; Sept. 15.
Board: *See*—
  Drawing board. Garment-package board.
Bomb. D. B. McCloud, G. A. Lewis, and C. G. Storm. 2,295,671; Sept. 15.
Bomb grapple, Fire. C. Maloney. 2,295,670; Sept. 15.
Bookkeeping machine, Card-controlled. W. Wegener. 2,296,075; Sept. 15.
Bottle cap. J. D. Grandy. 2,295,946; Sept. 15.
Bottle dispensing and cooling apparatus. T. S. Elliott Sr. 2,296,154; Sept. 15.
Bottle holder. H. K. Powell. 2,296,228; Sept. 15.
Bottle inspection attachment for bottle-washing machines. F. Gettelman. 2,296,027; Sept. 15.
Box: *See*—
  Folding box. Slide cover box.
Box or carton, Automatic setup. F. J. Ullrich. 2,296,126; Sept. 15.
Bracket: *See*—
  Standard supporting bracket. Waler bracket.
Brake: *See*—
  Rotor brake.
Brake adjuster. T. S. Safford. 2,295,758; Sept. 15.
Brake control means. C. M. Hines. 2,295,733; Sept. 15.
Brake control means. A. G. Larson. 2,295,796; Sept. 15.

Brake lever. H. S. Jandus. 2,295,792; Sept. 15.
Brake mechanism. L. T. Freeman. 2,296,026; Sept. 15.
Brake mechanism. J. C. McCune and G. K. Newell. 2,295,797; Sept. 15.
Bread slicing machine. O. D. Taylor. 2,295,764; Sept. 15.
Broiler, Swing-out. A. H. Brodbeck. 2,296,140; Sept. 15.
Brush. R. A. Ponselle. 2,295,687; Sept. 15.
Brush. C. G. Rowland. 2,295,970; Sept. 15.
Builder motion for spinning and twister frames. S. E. Edfors. 2,295,724; Sept. 15.
Building construction. M. Tym. 2,296,002; Sept. 15.
Burner: *See*—
  Gas burner.
Burner. F. Dallenbach and J. K. Northrop. 2,296,023; Sept. 15.
Burners and coolers, Preventing corrosion of hydrogen chloride. A. H. Maude. 2,295,591; Sept. 15.
Cabinet construction for ranges and the like. H. H. Ring. 2,295,915; Sept. 15.
Cable or rope, Wire. N. S. Ellis. 2,295,726; Sept. 15.
Camera, Two-size. A. Nagel. 2,295,801; Sept. 15.
Cameras, Focusing. W. F. Holeka. 2,295,949; Sept. 15.
Cameras, Synchronizer for. G. A. Ley. 2,295,853; Sept. 15.
Can holder. L. R. Shimon. 2,295,609; Sept. 15.
Can opener. A. Walgo. 2,296,073; Sept. 15.
Canned foods, Processing. A. Horner. 2,295,846; Sept. 15.
Cap: *See*—
  Bathing cap. Bottle cap.
Capacitor. C. L. Scheer. 2,295,759; Sept. 15.
Car: *See*—
  Railroad flat car.
Carburetor. M. Mallory. 2,296,172; Sept. 15.
Card patching machine. D. C. K. Kennedy. 2,295,903; Sept. 15.
Card, Playing. R. W. Middlebrook. 2,296,113; Sept. 15.
Carriage, Child's. D. W. Siebert. 2,296,193; Sept. 15.
Carrier: *See*—
  Shortener carrier. Storage battery carrier.
Carton, Handle fitted. H. K. Powell. 2,296,229; Sept. 15.
Cartridge for explosives. M. F. Lindsley, Jr. 2,295,854; Sept. 15.
Case: *See*—
  Compact or vanity case.
Casket placing device. C. E. Gehlbach. 2,295,646; Sept. 15.
Catalyst, Alkylation. R. F. Ruthruff. 2,295,608; Sept. 15.
Catalyst, Preparation of. R. H. Griffith and J. H. G. Plant. 2,295,653; Sept. 15.
Catalytic conversion of hydrocarbons. H. W. Grote. 2,295,730; Sept. 15.
Cathead. W. B. Campbell and J. M. Johnson. 2,295,932; Sept. 15.
Cathode ray device. F. Gray. 2,295,530; Sept. 15.
Cathode ray device. F. Gray. 2,296,102; Sept. 15.
Cellulose solutions, Spinning cuprammonium. F. Hoelkeskamp. 2,295,844; Sept. 15.
Ceramic ware, Method and apparatus for glazing. J. A. Bower. 2,295,928; Sept. 15.
Chair: *See*—
  Treatment chair.
Chair. L. C. Travers. 2,296,224; Sept. 15.
Channel system, Divided multiplex. D. S. Hulfish. 2,295,580; Sept. 15.
Chimney damper, Overhead. K. C. Grigsby. 2,295,839; Sept. 15.
Chromescopic adapter for television equipment. G. G. Camarena. 2,296,019; Sept. 15.
Cigarette extinguisher and ash tray. M. de la Torre. 2,295,568; Sept. 15.
Circuit: *See*—
  Horn control circuit. Light sensitive circuit.
  Hydraulic control circuit. Television circuit.
Circuits, Differential detector. M. G. Crosby. 2,296,092; Sept. 15.
Circuits, Electronic reactance. W. V. B. Roberts. 2,296,057; Sept. 15.
Circuits, Frequency modulation detector. M. G. Crosby. 2,296,091; Sept. 15.
Clamp: *See*—
  Quick actuating clamp.
Clamp. W. G. Pontis. 2,296,221; Sept. 15.
Clamp type carrier bar. J. P. Ratigan. 2,296,182; Sept. 15.
Clasp. V. C. Bierk. 2,296,082; Sept. 15.
Cleaner: *See*—
  Phonograph record cleaner. Vacuum cleaner.
  Suction cleaner.
Cleaning apparatus. W. J. Elvin, E. R. Stahl, R. D. Reel, and J. H. Duckworth. 2,295,642; Sept. 15.
Cleaning apparatus. W. I. Gladfelter. 2,295,576; Sept. 15.
Cleaning composition. A. Emiley. 2,296,097; Sept. 15.
Cleaning unit, Dry. C. Dahlberg. 2,295,718; Sept. 15.
Clip: *See*—
  Plastic clip.
Closure and opening means for receptacles. H. E. Reinhardt, Jr. 2,295,688; Sept. 15.
Closure with hemispherical liner. E. E. Hogg. 2,295,658; Sept. 15.
Coin actuated device. C. C. Towne. 2,295,614; Sept. 15.
Comb, Fountain. N. R. Metzler. 2,295,746; Sept. 15.
Combustion chamber. A. F. Sanders. 2,296,192; Sept. 15.
Comminuting means. C. W. Chase. 2,295,633; Sept. 15.
Compact or vanity case. P. L. Menn. 2,296,112; Sept. 15.
Composition suitable for impregnating fibrous materials. R. P. Lutz. 2,295,958; Sept. 15.
Compressor control apparatus. P. L. Crittenden. 2,295,775; Sept. 15.
Computer, Probability. C. G. Williamson. 2,295,616; Sept. 15.
Concrete form panel. E. A. Horn. 2,296,036; Sept. 15.
Condensation products of the pyrene series. H. Nereshelmer and A. Vilsmeier. 2,295,963; Sept. 15.
Consistometer. E. P. Bostwick. 2,295,710; Sept. 15.
Container: *See*—
  Aerial delivery container. Metallic container.
  Display container.
Container. T. Begg. 2,295,540; Sept. 15.
Container. F. Blair. 2,296,139; Sept. 15.
Container spout. E. Rentschler. 2,295,865; Sept. 15.
Control apparatus. A. H. Buckley. 2,295,713; Sept. 15.
Control apparatus. R. E. Yates. 2,295,885; Sept. 15.
Control device, Conveyor. J. V. Smith. 2,296,223; Sept 15.
Control system, Overdrive. E. M. Claytor. 2,295,715; Sept. 15.
Cooler and humidifier, Evaporative air. A. S. Feinberg. 2,296,155; Sept. 15.
Corselette. I. Rosner. 2,295,607; Sept. 15.
Corset. M. Kahn. 2,296,165; Sept. 15.
Coupler, Train pipe. R. T. Lowe. 2,296,110; Sept. 15.
Coupling: *See*—
  Fluid coupling. Hose coupling.
Cover: *See*—
  Battery cover.
Covering for bearings, Protective. D. E. Batesole. 2,295,771; Sept. 15.
Cupola. L. Jones. 2,295,901; Sept. 15.
Cutter: *See*—
  Rivet cutter.
Cylinder lock. T. H. Johnstone. 2,295,737; Sept. 15.
Dampener, Vibration. B. G. Carlson. 2,295,829; Sept. 15.
Dealkylation. V. E. Meharg and K. W. Coons. 2,295,672; Sept. 15.
Dealkylation using aluminum compounds as catalysts. V. E. Meharg and K. W. Coons. 2,295,674; Sept. 15.
Dealkylation using nickel sulphide catalyst. V. E. Meharg and K. W. Coons. 2,295,673; Sept. 15.
Decorticating machine. W. A. Boyce. 2,295,929; Sept. 15.
Dehydrating and treating apparatus. W. H. Pagenkopf. 2,295,912; Sept. 15.
Deposition form. C. L. Beal. 2,296,011; Sept. 15.
Derivative of 2.5-diamino-1.4-benzoquinone, New. G. Langbein. 2,296,214; Sept. 15.
Derrick or tower construction. C. D. and F. G. Pence. 2,295,861; Sept. 15.
Derrick, Portable. H. J. von Rosenberg. 2,296,186; Sept. 15.
Detergent composition. C. R. Caryl. 2,295,831; Sept. 15.
Developer, Rudder reflex. W. I. Fernald. 2,295,836; Sept. 15.
Device for use in applying pressure to shoe bottoms. E. M. Wadsworth. 2,295,700; Sept. 15.
Device for venetian blinds. H. G. Balthasar. 2,296,010; Sept. 15.
Diazine derivatives. G. F. D'Alelio and J. W. Underwood. 2,295,563–4; Sept. 15.
Diazine derivatives. G. F. D'Alelio and J. W. Underwood. 2,295,566; Sept. 15.
Dibromofluoranthenes, Manufacture of. W. Kern, T. Holbro, and R. Tobler. 2,295,665; Sept. 15.
Die applicator. A. G. Hill. 2,296,035; Sept. 15.
Dispenser: *See*—
  Towel washer and dispenser.
Dispensing device. F. X. Montbach. 2,295,679; Sept. 15.
Display container. C. C. Layher. 2,296,215; Sept. 15.
Display device, Illuminated. P. J. Howe and C. H. Wyss, Jr. 2,295,994; Sept. 15.
Distribution systems for electricity. L. R. Bogardus. 2,295,825; Sept. 15.
Doll. E. J. Conrad. 2,295,890; Sept. 15.
Door light switch. L. R. and D. C. Bader. 2,296,009; Sept. 15.
Double acting pump. L. L. McConnohie. 2,295,592; Sept. 15.
Down draft furnace. J. R. Fellows and J. C. Miles. 2,295,781; Sept. 15.
Drawing board. A. P. Geimer. 2,295,647; Sept. 15.
Drawings, Method and means for making sequential. R. J. H. Planiol. 2,295,754; Sept. 15.
Dredger. A. C. Crawford. 2,295,717; Sept. 15.
Drier: *See*—
  Hair drier. Therapeutic hair drier.
Drill bit. Z. B. Richard. 2,296,183; Sept. 15.
Drill for wells, Lateral. J. D. Hall, Jr. 2,296,161; Sept. 15.

Drill stem, Threadless. A. Boynton. 2,296,198; Sept. 15.
Drive assembly. A. E. Grater and W. E. Schirmer. 2,295,896; Sept. 15.
Driving means for mechanism for multimotored airplanes. H. Wagner. 2,296,006; Sept. 15.
Drum, Band building. W. J. Breth. 2,295,542; Sept. 15.
Dry plate rectifier element or the like. C. Bosch. 2,296,015; Sept. 15.
Drying apparatus. C. W. Gordon. 2,296,159; Sept. 15.
Dyestuffs of the triarylmethane series and preparing them, Chromable. W. Eckert and K. Schilling. 2,296,153; Sept. 15.
Dynamo. A. Bertea. 2,296,137; Sept. 15.
Electric circuit breaker. C. Thumin. 2,296,071; Sept. 15.
Electric discharge device. W. J. Scott. 2,296,062; Sept. 15.
Electric switch. H. J. Hammerly. 2,295,577; Sept. 15.
Electric switch. A. W. Krieger. 2,295,668; Sept. 15.
Electrodynamic and electroacoustical apparatus. R. E. Bowley. 2,295,527; Sept. 15.
Electron discharge device. F. J. G. van den Bosch. 2,295,919; Sept. 15.
Electron discharge device, Gaseous. W. A. Depp. 2,295,569; Sept. 15.
Electroresponsive device. A. G. Stimson. 2,296,123; Sept. 15.
Elevations and levels, Device for determining. J. Laurencelle. 2,295,957; Sept. 15.
Enameled articles, Manufacture of vitreous. H. J. Fralish. 2,295,945; Sept. 15.
Engine: *See*—
Internal combustion engine. Two-cycle engine.
Engine speed governor. A. W. Kretzschmar. 2,296,213; Sept. 15.
Esters of acrylic acid and homologues, Allyl. C. E. Barnes. 2,295,923; Sept. 15.
Esters of acrylic acid and homologues, Alpha substituted allyl. C. E. Barnes. 2,295,924; Sept. 15.
Estradiol derivatives and preparing same. R. Weiss. 2,295,980; Sept. 15.
Excavating and load handling machine. R. H. Zellman. 2,295,769; Sept. 15.
Exhauster. C. H. Laws. 2,295,669; Sept. 15.
Extruding apparatus. E. T. Meakin. 2,295,743; Sept. 15.
Fabric: *See*—
Knitting run-resistant fabric. Run-resisting knitted fabric.
Fastener: *See*—
Garment fastener. Sheet-stock axially driven permanent fastener.
Hatch cover fastener.
Fastener forming and inserting machine. C. H. James. 2,295,662; Sept. 15.
Fastener guard, Interlocking. M. Suskowitz and F. Kopp. 2,295,976; Sept. 15.
Feeder: *See*—
Poultry feeder.
Fiber, Fabricating mineral. C. L. Savidge. 2,295,971; Sept. 15.
Fibers from suitable molten materials, Producing. D. C. Drill. 2,295,639; Sept. 15.
Filaments, Manufacture of. R. T. Fields. 2,295,942; Sept. 15.
File, Comparative data. J. M. Jones and C. F. Gove. 2,295,951–2; Sept. 15.
Film roll, Photographic. L. C. Holmes. 2,295,845; Sept. 15.
Fires, Method and apparatus for extinguishing. H. Ensminger and C. A. Getz. 2,295,571; Sept. 15.
Fishing rod. J. C. Meisler. 2,296,174; Sept. 15.
5-(Sulphanilamido)-2-substituted pyridines and related compounds. R. O. Roblin, Jr., and P. S. Winnek. 2,295,867; Sept. 15.
Fixture, Combination. E. H. Bucknell and R. E. Bletcher. 2,295,888; Sept. 15.
Flexible exhaust pipe joint. W. L. Lewis. 2,295,907; Sept. 15.
Flier construction. M. J. McHale. 2,295,999; Sept. 15.
Floor covering, Making. P. O. Powers. 2,295,969; Sept. 15.
Flue cutting tool. R. A. Hoorn and W. H. Hobbins. 2,295,789; Sept. 15.
Fluid coupling. C. L. Bixby and R. Lapsley. 2,295,887; Sept. 15.
Flush valve. W. E. Sloan and J. I. Bellamy. 2,295,871; Sept. 15.
Foldable rack. H. C. Jernson. 2,295,736; Sept. 15.
Folder. S. E. Wade and A. Moulton. 2,295,704; Sept. 15.
Folding box. M. Hyndman and R. F. Smart. 2,295,532; Sept. 15.
Food products, Preparing. C. J. Schwebke and F. E. Hoadley. 2,295,868; Sept. 15.
Form for precasting interrelated concrete units. S. A. Rosenberger. 2,296,187; Sept. 15.
Frame: *See*—
Metal sash casement and frame. Side frame.
Frame for trucks, Power plant. A. R. Perkins. 2,296,181; Sept. 15.
Frequency control system. D. S. Bond. 2,295,629; Sept. 15.
Frequency modulated receiver tuning indicator. D. E. Foster. 2,296,101; Sept. 15.
Frequency modulated wave receiver. D. E. Foster and J. A. Rankin. 2,296,100; Sept. 15.
Frequency modulation receiver. M. G. Crosby. 2,296,090; Sept. 15.
Frequency modulation receiver. W. van B. Roberts. 2,296,056; June 15.
Frequency modulation receiver tuning indicator. M. G. Crosby. 2,296,089; Sept. 15.
Fuel for internal combustion engines. G. W. Talbert and E. W. Blizzard. 2,296,069; Sept. 15.
Fuel metering device. D. S. Hershey and A. E. Smith. 2,295,656; Sept. 15.
Furnace: *See*—
Down draft furnace.
Furniture foot construction. J. H. Page. 2,295,911; Sept. 15.
Fuse and switch structure, Combined. H. E. Malone. 2,295,589; Sept. 15.
Fuse setting apparatus for artillery projectiles. G. M. T. A. Fontaine. 2,295,573; Sept. 15.
Garbage can protector. C. J. Massey. 2,295,909; Sept. 15.
Garment fastener. R. J. Roseman. 2,296,188; Sept. 15.
Garment measuring and shaper-drier apparatus for dry cleaners. J. R. Fitzgerald. 2,295,989; Sept. 15.
Garment-package board. L. L. Bezark. 2,296,138; Sept. 15.
Garments, Construction of. H. Kessler. 2,295,741; Sept. 15.
Gas analysis apparatus. C. I. Hall. 2,296,030; Sept. 15.
Gas burner. H. E. Handley. 2,295,784; Sept. 15.
Gas control for refrigerating systems, Flash. R. A. Gonzalez and E. T. Simonson. 2,295,992; Sept. 15.
Gas lift flow device. L. D. Mowrey. 2,296,220; Sept. 15.
Gas proof socket for fluorescent lamps. V. N. Williams. 2,295,883; Sept. 15.
Gases and liquids to motor fuels, Conversion of hydrocarbon. G. L. Parkhurst. 2,295,752; Sept. 15.
Gasoline, Treatment of. J. A. Chenicek. 2,295,773; Sept. 15.
Gate. H. Ahlrichs. 2,295,525; Sept. 15.
Gauge: *See*—
Rivet gauge.
Generator: *See*—
Steam generator.
Glove holder. G. and I. Bloom. 2,296,083–4; Sept. 15.
Glove holder. G. and I. Bloom. 2,296,197; Sept. 15.
Gluing head. H. Anderson. 2,296,079; Sept. 15.
Golf ball teeing device, Automatic. J. Mozel. 2,295,599; Sept. 15.
Governor. C. P. Gillespie. 2,295,897; Sept. 15.
Grain tank. G., Sr., G. J., and J. Benzel, Jr. 2,296,014; Sept. 15.
Grapple, Overshot. G. W. Bowen. 2,295,630; Sept. 15.
Grease dispensing apparatus. J. D. Morgan and T. Anderson. 2,296,047; Sept. 15.
Grease pump. A. W. Olson and H. C. Lungstrom. 2,295,910; Sept. 15.
Grinding machine, Surface. H. A. Silven. 2,296,064; Sept. 15.
Guard for sewing machines, Belt. M. Ingwer. 2,295,582; Sept. 15.
Guide for cabinet drawers, Sectional. N. Sulentic. 2,295,697; Sept. 15.
Gun for perforating well casing within the well. A. J. Collins. 2,295,634; Sept. 15.
Gun sight. A. E. Hornback. 2,295,791; Sept. 15.
Hair curler. J. K. Crotts. 2,295,892; Sept. 15.
Hair dressing. H. L. Le Page. 2,296,168; Sept. 15.
Hair drier. M. E. Wright. 2,295,820; Sept. 15.
Hairpin and clip holder. M. Boxer. 2,295,987; Sept. 15.
Hand, Artificial. R. L. David. 2,295,719; Sept. 15.
Hat. A. Brav. 2,295,826; Sept. 15.
Hat holder. H. F. Beeman and R. L. Crult. 2,295,707; Sept. 15.
Hatch cover fastener. W. M. Dwyer. 2,295,778; Sept. 15.
Hatch cover lifter. H. D. Breen and O. L. Champion. 2,295,827; Sept. 15.
Hay loader and stacker. J. F. Schwan. 2,295,917; Sept. 15.
Headgear, Protective. F. R. Ludwell. 2,295,855; Sept. 15.
Headlight output meter. N. F. C. Haberkost. 2,296,103; Sept. 15.
Heat exchange apparatus. G. R. Goldthwaite. 2,295,991; Sept. 15.
Heater. H. Rose. 2,296,185; Sept. 15.
Heating and quenching, Controlling. F. S. Denneen and W. C. Dunn. 2,295,777; Sept. 15
Heating system. W. W. Hallinan. 2,295,841; Sept. 15.
High tension electrical switch. T. F. Johnson. 2,295,663; Sept. 15.
Hinge. J. P. Doman. 2,295,638; Sept. 15.
Hinge assembly. H. Cohen. 2,296,144; Sept. 15.
Hinge, Cover. R. N. Houlihan. 2,295,950; Sept. 15.
Holder: *See*—
Bottle holder. Lamp holder.
Can holder. Piezoelectric crystal holder.
Glove holder. Welding rod holder.
Hat holder.
Hairpin and clip holder.
Holder. D. D. Wolfe. 2,296,133; Sept. 15.

Holder and dispenser for rolled sheet material. A. C. Gillanders and H. H. Daggett. 2,295,648; Sept. 15.
Horn control circuit. J. White and J. W. Falconer. 2,296,131; Sept. 15.
Hose coupling. L. A. Carlson. 2,295,830; Sept. 15.
Humidity measuring. F. W. Dunmore. 2,295,570; Sept. 15.
Hydraulic control circuit. W. R. Tucker. 2,295,813; Sept. 15.
Hydraulic press. W. R. Tucker. 2,296,072; Sept. 15.
Hydraulic rotor operated butterfly valve. P. A. Kinzie, J. L. Savage, and M. E. Nantz. 2,295,667; Sept. 15.
Hydraulic volume standing valve. W. O. Batson and H. B. Harris. 2,296,135; Sept. 15.
Hydrocarbons, Treatment of. R. E. Schaad. 2,295,808; Sept. 15.
Hydrofluoric acid low in fluosilicic acid, Producing. L. Preisman. 2,296,118; Sept. 15.
Hydrometer and the like. C. E. Linebarger. 2,296,169; Sept. 15.
Hypodermic syringes, Attachment for. G. L. Kayden. 2,295,849; Sept. 15.
Ignition and control means for fuel burners. J. C. English. 2,296,025; Sept. 15.
Illuminating device. C. Paradis. 2,295,863; Sept. 15.
Implement, Abruding. W. D. Seigh. 2,295,693; Sept. 15.
Incandescent electric lamp with base fuses. A. M. Hageman and P. B. Tully. 2,295,652; Sept. 15.
Indicating and display device, Selective. E. E. Brown, E. A. Anderson, and W. H. Schaper. 2,296,141; Sept. 15.
Indicator: *See*—
Frequency modulation receiver tuning indicator. Navigational position indicator.
Liquid-level indicator.
Indicator for fuel systems, Water. G. Botteron. 2,295,927; Sept. 15.
Injector, Washing fluid. H. B. Ray. 2,296,055; Sept. 15.
Insole and outsole, Producing complementary. N. B. Griffin. 2,295,650; Sept. 15.
Insulating connector for wires. M. Varga. 2,296,227; Sept. 15.
Interlock. D. J. Detrich. 2,295,893; Sept. 15.
Internal combustion engine. J. R. Tucker. 2,295,879; Sept. 15.
Internal combustion engine. J. J. Wydler. 2,295,619; Sept. 15.
Internal combustion engines, Testing the efficiency of. P. F. Little. 2,295,586; Sept. 15.
Jacquard loom. H. Stoehr. 2,295,696; Sept. 15.
Joint: *See*—
Ball joint. Flexible exhaust pipe joint.
Ketene, acetic anhydride, and homologues thereof, Manufacture of. L. Fallows and E. V. Mellers. 2,295,644; Sept. 15.
Kiln, Continuous. F. O. Hess. 2,295,732; Sept. 15.
Knife, Fruit halving. J. Doetsch. 2,295,721; Sept. 15.
Knitted articles, Method and means for producing. G. Gastrich. 2,295,782; Sept. 15.
Knitting run-resistant fabric. C. A. Kaufman. 2,295,794; Sept. 15.
Knob, Insulator. L. A. Stohl. 2,295,872; Sept. 15.
Knob shaft assembly, Interchangeable. H. W. Rubinstein. 2,296,058; Sept. 15.
Ladder, Combination step and straight. T. Brown. 2,295,930; Sept. 15.
Ladder support. C. W. Marriner. 2,295,908; Sept. 15.
Laminated piston ring. S. M. Pelc. 2,296,116; Sept. 15.
Lamp holder. A. G. Mueller and J. M. Pistey. 2,296,114; Sept. 15.
Lamp starter unit, Fluorescent. C. H. Hodgkins. 2,295,657; Sept. 15.
Lamp unit, Signal. S. M. Dover. 2,296,151; Sept. 15.
Lamps and manufacture, Discharge. N. C. Beese. 2,295,626; Sept. 15.
Latch mechanism. H. D. Breen. 2,295,711; Sept. 15.
Lifter: *See*—
Hatch cover lifter.
Light sensitive circuit. W. J. Albersheim. 2,295,536; Sept. 15.
Limb, Artificial. C. E. Beck. 2,296,012; Sept. 15.
Lining, Removable. S. Lapick. 2,295,956; Sept. 15.
Liquefier. A. T. Thompson. 2,295,878; Sept. 15.
Liquid fuel combustion apparatus. T. B. Focke and J. R. Kirkpatrick. 2,295,799; Sept. 15.
Liquid-level indicator. H. J. G. Rudolf. 2,296,189; Sept. 15.
Loader, Grain. J. P. Weisenberger. 2,296,007; Sept. 15.
Lock: *See*—
Cylinder lock.
Lock. M. Carter. 2,296,020; Sept. 15.
Lock. C. J. Hagstrom. 2,296,029; Sept. 15.
Loom: *See*—
Jacquard loam.
Lubricating apparatus. E. W. Davis. 2,296,148; Sept. 15.
Lubrication system. C. F. Patterson. 2,296,178; Sept. 15.
Lutidine compounds. G. Riethof. 2,295,606; Sept. 15.
Machine for attaching cables to messengers. D. J. Neale. 2,295,749; Sept. 15.
Machine for operating on shoe uppers. V. H. Meyer. 2,295,677; Sept. 15.
Machine for preparing welting. J. R. Oliver. 2,295,682; Sept. 15.
Machine for treating counters. A. L. Russell and W. M. Watson. 2,295,690; Sept. 15.
Magnesium, Treating. J. D. Hanawalt and C. E. Nelson. 2,295,842–3; Sept. 15.
Magnetic check and release valve. D. C. Wiseley. 2,296,132; Sept. 15.
Manifold. G. A. Chedister. 2,295,832; Sept. 15.
Marker, Planter. G. M. Kriegbaum and C. C. Haas. 2,296,210; Sept. 15.
Massage device, Vibratory. C. P. Winther. 2,295,817; Sept. 15.
Match packet. T. R. Atkins. 2,296,008; Sept. 15.
Material handling apparatus. J. W. King. 2,295,953; Sept. 15.
Material, Treatment of finely divided. P. L. Steffensen. 2,295,811; Sept. 15.
Measurement and control, Frequency. D. P. Tucker. 2,295,615; Sept. 15.
Measuring and control apparatus. C. B. Moore. 2,295,960; Sept. 15.
Measuring instrument. L. Gess. 2,295,728; Sept. 15.
Mechanism for handling bottles and other articles. S. T. Carter. 2,296,201; Sept. 15.
Mercury switch. C. W. Trautman and H. E. Bucklen, III. 2,296,194; Sept. 15.
Metal coatings, Method and apparatus for applying. R. L. Wagner. 2,295,701; Sept. 15.
Metal coatings, Method and apparatus for applying. W. A. Wissler. 2,295,702; Sept. 15.
Metal primers, Treatment of. J. S. Thompson and E. W. Goodspeed. 2,296,070; Sept. 15.
Metal reinforcing for wooden frame buildings. W. F. Drew. 2,295,834; Sept. 15.
Metal sash casement and frame. C. R. Nagel. 2,295,681; Sept. 15.
Metal treating machine, Sheet. C. S. Woolford. 2,295,617; Sept. 15.
Metal, Treatment of. W. J. Clifford and H. H. Adams. 2,295,545; Sept. 15.
Metallic container. W. I. Gladfelter and G. Kauffmann. 2,295,729; Sept. 15.
Metals, Purifying. G. E. Behr and L. H. Schroeder. 2,296,196; Sept. 15.
Meter: *See*—
Ampere demand meter. Headlight output meter.
Meter reading apparatus. W. Leathers. 2,295,533; Sept. 15.
Meter reading apparatus, Automatic. W. Leathers. 2,295,534; Sept. 15.
Metering system. F. L. Currie. 2,295,636; Sept. 15.
Mill: *See*—
Pellet mill.
Mill conveyer, Steel. G. A. Bee and J. E. McBride. 2,295,526; Sept. 15.
Mineral feedstuff. F. H. Emery and I. Levis. 2,295,643; Sept. 15.
Moisture difficulties in the separation of hydrocarbon mixtures, Elimination of. P. Schuftan. 2,295,909; Sept. 15.
Mold: *See*—
Tire mold.
Mold and making same, Water jacketed. H. E. McWane. 2,295,858; Sept. 15.
Monogram attachment. M. Chernow. 2,296,022; Sept. 15.
Mop, Cleaning and polishing. M. Rašić. 2,295,914; Sept. 15.
Motor: *See*—
Alternating current motor Synchronous motor.
Motor drive system. E. W. Kellogg. 2,295,664; Sept. 15.
Mounting for dolls, Eye. S. Paganello. 2,296,179; Sept. 15.
Multiple cylinder steam engine and valve gear therefor. H. G. Mueller. 2,295,962; Sept. 15.
Musical educational device or apparatus. J. Kustodowich and H. Erenberg. 2,295,954; Sept. 15.
Musical instrument. A. Logli. 2,295,588; Sept. 15.
Navigation instrument. D. G. C. Luck. 2,296,041; Sept. 15.
Navigational position indicator. J. H. Hammond, Jr. 2,296,032; Sept. 15.
Needle for shoe upper lacing machines. J. Fossa. 2,295,727; Sept. 15.
Neon sign. R. H. Seaman. 2,295,869; Sept. 15.
Network distribution apparatus. G. E. Palmer. 2,295,805; Sept. 15.
Nicotinic acid, Preparation of. H. F. Seibert, J. M. Tabor, and J. Wyeno. 2,295,870; Sept. 15.
Nitrogenous condensation products, Production of. H. Krzikalla and R. Armbruster. 2,296,211; Sept. 15.
Nitrogenous condensation products and producing same. H. Ulrich. 2,296,225–6; Sept. 15.
Nozzle, Retractable pouring. W. G. Plumb. 2,295,967; Sept. 15.
Nozzle, Suction. E. H. Yonkers, Jr. 2,296,077; Sept. 15.
Nut or the like, Sheet metal. B. C. Place. 2,295,685; Sept. 15.
Nutcracker. D. Carter. 2,296,088; Sept. 15.
Oil, Cutting. G. Kaufman. 2,296,037; Sept. 15.
Oils, Recovery of essential. W. C. Platt. 2,296,004; Sept. 15.

[1,3,5,-triazinyl-(6)]-aminophenylarsonic acids and the manufacture of same, Substituted. E. A. H. Friedheim. 2,295,574; Sept. 15.
Opening device, Oyster. F. Plate. 2,296,049; Sept. 15.
Operating mechanism for discharge lamps. A. G. Mueller and J. M. Pistey. 2,296,115; Sept. 15.
Optical system, Reflective. F. H. Nicoll. 2,295,802; Sept. 15.
Packaging machinery. S. J. Campbell. 2,296,142; Sept. 15.
Packet, Match. R. S. Pullen. 2,295,756; Sept. 15.
Packing device. R. C. Baker. 2,295,770; Sept. 15.
Pad: *See*—
Therapeutic pad.
Pattern mechanism for knitting machines. M. C. Miller and F. Lambach. 2,295,597; Sept. 15.
Pellet mill. H. L. Glaze. 2,295,838; Sept. 15.
Pen, Stylographic. J. Wallace. 2,296,127; Sept. 15.
Phonograph arm and needle-carrying magazine therefor. Y. H. Kurkjian. 2,295,905; Sept. 15.
Phonograph disks, Making. R. S. Dech. 2,295,958; Sept. 15.
Phonograph record cleaner. W. McKinley. 2,295,798; Sept. 15.
Photographic development to a predetermined value of contrast. L. Planskoy. 2,296,048; Sept. 15.
Photographic fixative composition containing boric acid esters of polyhydric alcohols of at least six carbon atoms. C. Holzwarth. 2,295,734; Sept. 15.
Photographic negatives, Device for handling. J. H. Downing. 2,296,152; Sept. 15.
Photographic shutter. E. Strassenburg. 2,295,812; Sept. 15.
Pickup head adjusting device, Automatic. Y. H. Kurkjian. 2,295,904; Sept. 15.
Piezoelectric crystal holder. E. N. Fridgen. 2,295,990; Sept. 15.
Pigment materials and making the same. C. K. Sloan. 2,296,066; Sept. 15.
Pillow. A. M. Lacour. 2,295,906; Sept. 15.
Pinking machine. V. J. Sigoda. 2,296,610; Sept. 15.
Pipe union. O. C. Cox. 2,295,716; Sept. 15.
Pipes of cars, Automatically connecting and disconnecting fluid pressure. C. F. Lockhart. 2,296,170; Sept. 15.
Piping, Nonmetallic. W. H. Armstrong. 2,295,623; Sept. 15.
Piston locking device. L. Meyer. 2,295,961; Sept. 15.
Piston, Mud pump. E. E. Miller. 2,295,678; Sept. 15.
Planter. G. M. Kriegbaum and C. C. Haas. 2,296,209; Sept. 15.
Planter. A. C. Lindgren. 2,296,216; Sept. 15.
Plastic clip. C. E. Marshall. 2,296,042; Sept. 15
Plug: *See*—
Spark plug.
Plunger, Clothes. F. B. De France. 2,296,149; Sept. 15.
Polyvinyl chloride articles, Improving the heat stability of. E. Hubert, H. Rein, and K. Rössler. 2,295,660; Sept. 15.
Poultry feeder. J. J. Carmo. 2,296,143; Sept. 15.
Poultry picking apparatus. R. H. Smith. 2,295,761; Sept. 15.
Powders, Device for comparting. E. L. Gooden. 2,295,529; Sept. 15.
Power plant foundation. J. Riise. 2,296,184; Sept. 15.
Predetermined counters. F. A. B. Poole. 2,295,968; Sept. 15.
Press: *See*—
Hydraulic press.
Press guard, Foot. J. Swanson. 2,296,068; Sept. 15.
Pressure reducing means. N. A. Christensen. 2,296,145; Sept. 15.
Processing material such as green coffee. R. H. Vermillion. 2,295,920; Sept. 15.
Projection apparatus. D. W. Epstein. 2,295,779; Sept. 15.
Protection of alternating current electric power systems. S. B. Farnham. 2,296,099; Sept. 15.
Protection of alternating current electric power systems. P. H. Light. 2,296,109; Sept. 15.
Protective device, Overload. F. J. Russell. 2,295,691; Sept. 15.
Protector: *See*—
Garbage can protector.
Protector for electric circuits. H. T. Bussmann. 2,295,828; Sept. 15.
Puller: *See*—
Wheel and gear puller.
Pump: *See*—
Double acting pump. Vacuum pressure pump.
Grease pump.
Pump. J. F. Sladky. 2,295,810; Sept. 15.
Pump rod actuator. D. E. Humphrey. 2,296,164; Sept. 15.
Pump unit and stand. J. Widman. 2,295,982; Sept. 15.
Pump valve. J. Corydon and H. E. Hollberg. 2,295,774; Sept. 15.
Pumping mechanism. D. J. Deschamps. 2,295,833; Sept. 15.
Purification of maleic anhydride. W. R. Middleton, Jr. 2,296,218; Sept. 15.
Pyrimidine derivatives. G. F. D'Alelio and J. W. Underwood. 2,295,560; Sept. 15.
Quick acting clamp. H. H. Hanson and W. H. Sorenson. 2,296,162; Sept. 15.
Rack: *See*—
Foldable rack. Shoe rack.
Radiant heat responsive device. D. G. Taylor. 2,295,876; Sept. 15.
Radio tuning system. V. M. Farfel and J. C. Smith. 2,296,098; Sept. 15.
Radiographic equipment. G. L. Storm. 2,295,975; Sept. 15.
Railroad flat car. K. F. Nystrom and J. A. Deppe. 2,295,751; Sept. 15.
Railway axle lubricator structure. J. J. Hennessy. 2,296,204; Sept. 15.
Rake, Hay. K. C. Slamp. 2,296,065; Sept. 15.
Rake stacker and loader, Sweep. M. Duden. 2,295,895; Sept. 15.
Range or stove, Cooking. F. C. Bufton. 2,295,889; Sept. 15.
Razor, Electric power-driven. C. C. Wright. 2,296,134; Sept. 15.
Recorder-reproducer head. W. J. Brown. 2,295,712; Sept. 15.
Recording answers to examination questions, Device for. R. Wistar. 2,295,818; Sept. 15.
Reduction means for variable delivery pumps, Selective delivery. W. Ernst. 2,295,780; Sept. 15.
Reel drive for planters. G. M. Kriegbaum and C. C. Haas. 2,296,208; Sept. 15.
Refractory mass, Highly. C. Dietz. 2,295,637; Sept. 15.
Refrigerating apparatus. E. D. Drake. 2,296,024; Sept 15.
Refrigeration. G. A. Brace. 2,295,988; Sept. 15.
Refrigeration. R. R. Fitzsimmons. 2,295,944; Sept. 15
Refrigeration. D. G. Smellie. 2,295,973; Sept. 15.
Refrigeration mechanism, Indirect compression. R. Squassoni. 2,296,122; Sept. 15.
Refrigerator car construction. A. G. Bancroft. 2,295,624–5; Sept. 15.
Registering and computing mechanism. J. C. Woodford. 2,295,819; Sept. 15.
Registering apparatus. E. A. Keeler. 2,295,795; Sept. 15.
Relief valve. H. Caminez. 2,295,931; Sept. 15.
Resin-forming aromatic hydrocarbons from mixtures by solvent extraction, Separation of. F. J. Soday. 2,295,612; Sept. 15.
Respirator means. C. H. Dockson and H. S. Davis. 2,296,150; Sept. 15.
Ride control unit. R. B. Cottrell. 2,295,551–2; Sept. 15.
Ring: *See*—
Laminated piston ring.
Rivet and spring locking button therefor. D. Hoppenstand. 2,295,900; Sept. 15.
Rivet cutter. M. F. Burns, Jr. 2,296,087; Sept. 15.
Rivet gauge. S. C. Greenleaf. 2,295,783; Sept. 15.
Road building machine. J. N. Heltzel. 2,295,947; Sept. 15.
Road roller. B. H. Flynn. 2,295,645; Sept. 15.
Rod: *See*—
Fishing rod.
Rod lure, Fly. O. L. Weber. 2,295,765; Sept. 15.
Roll construction for fur blowing machines, Picker. I Schultze. 2,295,762; Sept. 15.
Rolls, Husking. J. Powell. 2,295,755; Sept. 15.
Rotary valves, Lubrication of. F. M. Aspin. 2,296,081; Sept. 15.
Rotor brake. C. E. Tack. 2,295,875; Sept. 15.
Rubber cement and making. L. A. Riefenstahl. 2,295,866; Sept. 15.
Rubber designs, Making. V. H. Hurt. 2,295,735; Sept. 15.
Rubber masks and similar articles, Method and apparatus for making. M. E. Hansen. 2,296,105; Sept. 15.
Rule with telescoping or folding handle or the like, Rotary. E. F. Hirth. 2,295,787; Sept. 15.
Run-resisting knitted fabric. C. A. Kaufman. 2,295,793; Sept. 15.
Scaffold, Safety. C. K. Lamb. 2,295,995; Sept. 15.
Scale rule and the like, Easy reading. J. B. Handley. 2,296,104; Sept. 15.
Screen reflex copies, Production of. W. M. Buskes. 2,295,632; Sept. 15.
Screen separator. L. E. Crane and M. Haggard. 2,295,937; Sept. 15.
Seal, Liquid. A. Hollander, V. A. Hoover, and C. H. Nazro. 2,295,579; Sept. 15.
Sealing device, Fluid. K. A. Beier. 2,295,627; Sept. 15.
Separator: *See*—
Screen separator.
Seed duster. F. A. Klein. 2,296,166; Sept. 15.
Sewing machine. F. M. Lee. 2,295,851; Sept. 15.
Sharpener for cloth cutting machines. J. B. Gury, Jr. 2,295,654; Sept. 15.
Sharpener, Knife. J. Murray. 2,295,859; Sept. 15.
Shaver, Dry. G. Dalkowitz. 2,295,095; Sept. 15.
Shaving device. G. Dalkowitz. 2,296,093–4; Sept. 15.
Shaving device, Dry. E. C. McClure. 2,296,044; Sept. 15.
Shearing machine. C. H. Brookes. 2,296,230–1; Sept. 15.

Shearing machine, Sheep. P. J. Musolf. 2,296,236; Sept. 15.
Sheet material, Gummed. C. W. Stillwell. 2,295,613; Sept. 15.
Sheet material, Producing. D. G. Magill. 2,296,171; Sept. 15.
Sheet materials, Testing. T. J. Gross. 2,296,160; Sept. 15.
Sheet-stock axially driven permanent fastener. E. A. Miller. 2,296,046; Sept. 15.
Shield, Face. P. Young. 2,296,078; Sept. 15.
Shield for climbing iron gaffs, Safety. M. D. Weed and P. A. Bennet. 2,296,074; Sept. 15.
Shield for spark plugs. H. Rabezzana. 2,296,054; Sept. 15.
Shoe, Cement. C. M. O'Leary. 2,295,803; Sept. 15.
Shoe for hoofed animals. H. A. Mahar. 2,296,111; Sept. 15.
Shoe rack. N. Beck. 2,295,886; Sept. 15.
Shoe soles, Molding. P. A. Sperry. 2,295,763; Sept. 15.
Shoes, Making. J. H. Boyer. 2,295,631; Sept. 15.
Shortener carrier. B. H. Jones. 2,295,848; Sept. 15.
Shutdown device. E. D. Porter and S. B. Lisle. 2,296,053; Sept. 15.
Side disk terracing machine. H. Hollis. 2,295,898; Sept. 15.
Side frame. R. B. Cottrell. 2,295,936; Sept. 15.
Sign: *See*—
Neon sign.
Signal-translating stage. J. C. Wilson. 2,295,816; Sept. 15.
Signal device. J. H. Weiner. 2,296,005; Sept. 15.
Slide cover box. W. C. Mills. 2,295,747; Sept. 15.
Snap action float valve. J. C. Miller. 2,296,219; Sept. 15.
Snubber. R. B. Cottrell. 2,295,554; Sept. 15.
Soap flake of novel phase composition and making the same. V. Mills. 2,295,596; Sept. 15.
Soap, Germicidal. J. A. Smith. 2,296,121; Sept. 15.
Soap-holding and other accessories for faucets or water taps. J. E. Simmonds. 2,295,972; Sept. 15.
Soap of novel phase composition and making the same, Particle. V. Mills. 2,295,595; Sept. 15.
Soap product and process, Detergent. V. Mills. 2,295,594; Sept. 15.
Socket, Fluorescent lamp. M. N. Russell. 2,295,757; Sept. 15.
Soldering apparatus. H. J. Gardner. 2,296,158; Sept 15.
Solution of tetra-alkyl lead compounds, Stabilizing. T. L. Cantrell and C. L. Suplee. 2,296,200; Sept. 15.
Solutions of tetra-alkyl lead compounds, Stabilizing. T. L. Cantrell and C. L. Suplee. 2,296,199; Sept. 15.
Spark plug. W. F. Heller. 2,296,033; Sept. 15.
Spark plug electrode. T. G. McDougal, K. Schwartzwalder, and R. W. Smith. 2,296,045; Sept. 15.
Spinning, twisting, and similar textile machine. L. M. Cotchett. 2,295,935; Sept. 15.
Spoon, Infant feeding. G. B. Hume. 2,295,847; Sept. 15.
Spout for filling valve bags, Method of and. C. H. Hartman. 2,296,163; Sept. 15.
Spreading tool. S. Mandl. 2,296,173; Sept. 15.
Spring control unit. R. B. Cottrell. 2,295,548; Sept. 15.
Spring group. J. E. Flesch. 2,295,556; Sept. 15.
Spring release device. J. Morkoski. 2,296,175; Sept. 15.
Sprinkler, Lawn. F. E. and T. R. Valois. 2,295,880; Sept. 15.
Stabilizing device. R. B. Cottrell. 2,295,547; Sept. 15.
Stadimeter gearing. W. A. Thomas and D. F. Linsley. 2,295,877; Sept. 15.
Stand: *See*—
Pump unit and stand. Supporting stand.
Standard supporting bracket. L. R. Meyer. 2,295,676; Sept. 15.
Stapling device. P. Purchard. 2,295,603; Sept. 15.
Steam generator. E. G. Bailey. 2,295,538; Sept. 15.
Steaming device. I. C. Child. 2,295,544; Sept. 15.
Steering and ignition locking assembly, Automobile. C. R. Duncan. 2,295,723; Sept. 15.
Steering post and ignition lock assembly. R. A. Sandberg. 2,295,807; Sept. 15.
Stenciling machine. L. C. Van Gorden. 2,295,979; Sept. 15.
Stopper for metallurgical ladles. F. L. Sage. 2,296,059; Sept. 15.
Storage battery carrier. L. S. Williamson. 2,295,768; Sept. 15.
Stove. E. J. Ther. 2,295,698; Sept. 15.
Straw breaking and scutching machine, Fibrous. M. C. Widger. 2,295,766; Sept. 15.
Structural material, Laminated. K. Wägerle. 2,295,814; Sept. 15.
Structure, Artificial. T. F. Banigan and O. E. Snyder. 2,295,823; Sept. 15.
Sucker rod tool. S. J. Dietzmann and K. F. Riemann. 2,295,720; Sept. 15.
Suction cleaner. P. E. Frantz. 2,296,234; Sept. 15.
Suction cleaner. F. L. Pierce. 2,295,965; Sept. 15.
Suction cleaner. H. B. White. 2,295,981; Sept. 15.
Sulphides, Pyrimidyl cyanoalkyl. G. F. D'Alelio and J. W. Underwood. 2,295,559; Sept. 15.
Sulphides, Triazinyl cyanoalkyl. G. F. D'Alelio and J. W. Underwood. 2,295,561; Sept. 15.
Sulphur dioxide from gas mixture, Recovery of. E. P. Fleming and T. C. Fitt. 2,295,587; Sept. 15.
Support: *See*—
Ladder support.
Support and reflector for luminous tubes. J. A. Hoeveler. 2,295,788; Sept. 15.
Support and retainer, Brake hanger. M. S. Johnson. 2,295,739; Sept. 15.
Support for dial devices, Adjustable. D. H. King. 2,295,666; Sept. 15.
Support for expansion joint fillers, reinforcing rods, and dowel bars. D. E. Varner. 2,296,195; Sept. 15.
Supporting device. D. A. Cumfer. 2,295,640; Sept. 15.
Supporting stand. D. R. McClary. 2,296,043; Sept. 15.
Switch: *See*—
Automobile signal light switch. High tension electrical switch.
Auxiliary fan switch. Mercury switch.
Door light switch. Vehicle signal system and switch.
Electric switch.
Switching device. C. E. Pollard, Jr. 2,295,602; Sept. 15.
Synchronizing apparatus. F. Newton. 2,296,177; Sept. 15.
Synchronous motor. W. L. Hansen. 2,295,786; Sept. 15.
System for controlling lighting circuits and like circuits. L. Dewan. 2,295,894; Sept. 15.
Tank: *See*—
Grain tank.
Television circuit. W. J. Poch. 2,296,050; Sept. 15.
Tempering machine for wheat or the like. P. W. Thomas. 2,295,918; Sept. 15.
Tenderer, Meat. F. W. West. 2,296,129; Sept. 15.
Tennis net center band attaching equipment. R. S. Bunker. 2,296,086; Sept. 15.
Terminals, Manufacturing conductor. D. Hoppenstand. 2,295,899; Sept. 15.
Terpine hydrate, Preparing. A. Weissenborn. 2,295,705; Sept. 15.
Textiles, Finishing. W. J. Thackston. 2,295,699; Sept. 15.
Therapeutic current and producing the same. R. J. Lindquist. 2,295,585; Sept. 15.
Therapeutic pad. J. Y. Kittinger. 2,296,207; Sept. 15.
Therapeutic hair drier. M. N. Batsel. 2,295,824; Sept. 15.
Thermal overload device. W. C. Furnas and D. G. Spotts. 2,296,157; Sept. 15.
Thermometer tubes to bases, Method and means for attaching. R. C. Wappner. 2,295,703; Sept. 15.
Thermostat. H. A. Smith. 2,296,067; Sept. 15.
Thermostatically controlled mixing faucet. A. Weingarten. 2,296,128; Sept. 15.
Thickener. J. H. V. Finney. 2,295,943; Sept. 15.
Thread trimmer for sewing machines. A. F. Runge. 2,296,190; Sept. 15.
Timer. C. J. Collom. 2,295,635; Sept. 15.
Timer mechanism. G. C. Fields. 2,296,233; Sept. 15.
Timing device. G. G. Gruettner. 2,295,993; Sept. 15.
Tire chain link. J. S. Donaldson. 2,295,722; Sept. 15.
Tire mold. H. C. Bostwick. 2,296,016; Sept. 15.
Toeless splice bar. D. Wood. 2,296,076; Sept. 15.
Tool: *See*—
Article-handling tool. Spreading tool.
Flue cutting tool. Sucker rod tool.
Tool for wall linoleum and similar coverings, Scribing. H. D. Drain. 2,296,232; Sept. 15.
Tool mechanism, Hydraulic machine. E. P. Bullard. 2,295,543; Sept. 15.
Tooth, Artificial. C. H. Prange. 2,295,864; Sept. 15.
Towel washer and dispenser. V. J. La Page. 2,295,955; Sept. 15.
Toy balloon. R. E. Bitter. 2,295,708; Sept. 15.
Toy building blocks, Making. N. I. Paulson. 2,295,684; Sept. 15.
Toy submarine. E. W. Eklof. 2,295,835; Sept. 15.
Tractor. A. E. W. Johnson. 2,296,205; Sept. 15.
Tractor excavator. C. King. 2,295,850; Sept. 15.
Transceiver, Duplex facsimile. W. G. H. Finch. 2,295,572; Sept. 15.
Trap. G. R. Lahue. 2,296,040; Sept. 15.
Traveling bag. J. B. Arrowood. 2,296,080; Sept. 15.
Tray, Ice. T. S. Elliott, Sr. 2,295,939; Sept. 15.
Tray, Service. E. F. Oliver. 2,295,860; Sept. 15.
Tray, Serving. E. Gribble. 2,296,028; Sept. 15.
Treatment chair. T. Kluglein. 2,296,212; Sept. 15.
Triazine derivatives. G. F. D'Alelio and J. W. Underwood. 2,295,565; Sept. 15.
Triazine derivatives. G. F. D'Alelio and J. W. Underwood. 2,295,567; Sept. 15.
Trigger device, Single. F. T. Fahlen. 2,295,941; Sept. 15.
Trizine derivatives. G. F. D'Alelio and J. W. Underwood. 2,295,562; Sept. 15.
Truck. R. B. Cottrell. 2,295,553; Sept. 15.
Truck. R. B. Cottrell. 2,295,555; Sept. 15.
Truck body, Delivery. L. B. Clark. 2,295,934; Sept. 15.
Truck, Car. R. B. Cottrell. 2,295,549; Sept. 15.
Truck, Car. R. B. Cottrell. 2,295,558; Sept. 15.

Truck loading device. A. M. Boldt. 2,296,085; Sept. 15.
Truck, Radial. C. J. and C. E. Holland and K. Edahl. 2,296,106; Sept. 15.
Tube timing device, Electron. W. P. Overbeck. 2,295,601; Sept. 15.
Tubing, Union for flexible. W. H. Grint. 2,295,840; Sept. 15.
Tuning device. S. M. Kass. 2,295,902; Sept. 15.
Tuning device. B. A. Schwarz and J. G. Funk. 2,296,060; Sept. 15.
Tuning mechanism. B. A. Schwarz and L. Fichter. 2,296,061; Sept. 15.
Tuning mechanism for radio receivers. A. W. Plensler. 2,295,966; Sept. 15.
Two-cycle engine. C. A. and V. J. Toce. 2,295,978; Sept. 15.
Typewriting machine. C. Walker and W. A. Gabrielson. 2,295,921; Sept. 15.
Ultrahigh frequency converter. C. N. Kimball. 2,296,107; Sept. 15.
Ultrahigh frequency device with conical collector. I. E. Mouromtseff and G. Dinnick. 2,295,680; Sept. 15.
Vacuum breaker for water system. E. W. N. Boosey. 2,295,986; Sept. 15.
Vacuum cleaner. B. C. Wilson. 2,295,984; Sept. 15.
Vacuum drying, Controlling. C. J. Merriam. 2,295,744; Sept. 15.
Vacuum drying with superheated steam, Controlling uniformity of. C. J. Merriam. 2,295,745; Sept. 15.
Vacuum in sealed containers, Measuring the degree of. F. A. Cutter and W. F. Butler. 2,295,528; Sept. 15.
Vacuum packing means or the like. S. Safranski and R. Millenaar. 2,295,692; Sept. 15.
Vacuum pressure pump. B. R. Hopkins. 2,295,790; Sept. 15.
Vacuum system for can closing machines. W. R. Smith. 2,295,611; Sept. 15.
Valve: *See*—
Flush valve.
Hydraulic rotor operated butterfly valve.
Hydraulic volume standing valve.
Magnetic check and release valve.
Pump valve.
Relief valve.
Snap action float valve.
Valve. C. D. Henry. 2,295,948; Sept. 15.
Valve. R. L. Ohls. 2,295,862; Sept. 15.
Valve actuating lever. H. E. Pleasant and F. M. Keller. 2,295,686; Sept. 15.
Valve and pipe connection. C. Wyss. 2,295,821; Sept. 15.
Valve facing and securing means, Combined. W. J. Campbell. 2,295,772; Sept. 15.
Valve for gas and/or liquid storage tanks, Vent. J. H. Wiggins. 2,295,767; Sept. 15.
Valve for inflatable articles. F. R. Olson. 2,295,804; Sept. 15.
Variable ratio gearing. W. L. Maxson and P. J. McLaren. 2,295,997–8; Sept. 15.
Vegetable juicer. R. Weston. 2,295,922; Sept. 15.
Vehicle antiskid device, Automotive. W. E. Gerth. 2,295,837; Sept. 15.
Vehicle control, Automatic. L. Van Loo. 2,296,003; Sept. 15.
Vehicle signal system and switch. A. D. Reid. 2,296,222; Sept. 15.
Velocipede, Marine. G. Cremer. 2,296,147; Sept. 15.
Visor structure. F. J. Westrope. 2,296,130; Sept. 15.
Voltage regulating apparatus. C. I. Hall. 2,296,031; Sept. 15.
Volume control for keyboard operated musical instruments, Automatic. J. L. Traub. 2,296,125; Sept. 15.
Voting machine. R. F. Shoup. 2,296,120; Sept. 15.
Waler bracket. J. C. Mushet. 2,295,800; Sept. 15.
Water treating apparatus. B. J. Clark. 2,295,714; Sept. 15.
Water vapor getter. C. M. Slack and L. F. Ehrke. 2,295,694; Sept. 15.
Watering apparatus. J. Null. 2,295,964; Sept. 15.
Wavelength modulation. C. N. Kimball. 2,296,206; Sept. 15.
Welder, Multiple spot. E. G. Biederman and D. S. Harder. 2,295,925; Sept. 15.
Welding rod holder. G. A. Combridge. 2,295,546; Sept. 15.
Well flowing device. L. D. Mowrey. 2,295,598; Sept. 15.
Well fluids, Method and means for determining the points of ingress of. J. R. Gillbergh. 2,295,738; Sept. 15.
Well pipe collar. A. L. Stone. 2,295,873; Sept. 15.
Well survey method and apparatus. J. Neufeld. 2,296,176; Sept. 15.
Wheel and gear puller. J. E. Ringrose. 2,296,119; Sept. 15.
Wheel change truck, Quick. R. B. Cottrell. 2,295,550; Sept. 15.
Wheel change truck, Quick. R. B. Cottrell. 2,295,557; Sept. 15.
Wheel for crawler tractors, Idler. J. G. Heaslet. 2,295,531; Sept. 15.
Wheel mounting for aircraft undercarriages, Unilaterally supported resilient. R. H. Bound and G. H. Dowty. 2,296,017; Sept. 15.
Winding machine. E. J. Abbott. 2,295,535; Sept. 15.
Window construction. H. N. Renton. 2,295,689; Sept. 15.
Window construction. A. O. Williams. 2,295,882; Sept. 15.
Windshield wiper arm. M. Zaiger. 2,295,621; Sept. 15.
Wool, Making artificial. V. R. Hardy. 2,296,202; Sept. 15.
Wringer, Mop. H. Cave. 2,295,933; Sept. 15.
Yarn preparation. J. B. Miles, Jr. 2,295,593; Sept. 15.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 15, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 15: 2,295,703
20: 2,295,662
40: 2,295,603
2— 3: 2,295,855
27: 2,295,607
30: 2,296,165
68: 2,295,659
97: 2,295,741
2,295,956
174: 2,296,078
187: 2,295,826
3— 2: 2,296,012
12: 2,295,719
4— 1: 2,295,888
67: 2,295,686
5— 338: 2,295,906
8—115.5: 2,295,660
136: 2,295,699
10— 73: 2,295,583
12— 33: 2,295,700
61: 2,295,690
97: 2,295,677
142: 2,295,631
2,295,650
15— 21: 2,295,642
158: 2,296,077
180: 2,295,687
209: 2,296,133
229: 2,295,914
244: 2,295,823
255: 2,295,620
263: 2,295,933
16— 19: 2,295,911
164: 2,295,638
17— 9: 2,290,049
11.1: 2,295,761
27: 2,296,129
18— 8: Re.22,178
2,295,942
12: 2,295,743
16: 2,296,072
18: 2,296,162
38: 2,296,016
41: 2,296,011
2,296,105
54: 2,295,844
2,296,202
55: 2,295,763
19— 12: 2,295,766
25: 2,295,929
97: 2,295,762
20— 1: 2,295,834
35: 2,296,024
85: 2,296,059
22— 153: 2,296,118
156: 2,295,591
175: 2,295,605
178: 2,295,587
24— 3: 2,296,083
2,296,084
2,296,197
11: 2,296,042
130: 2,296,082
205: 2,295,976
206: 2,296,188
243: 2,296,182
25— 30: 2,296,018
121: 2,296,187
131: 2,295,800
2,296,036
27— 26: 2,295,646
29— 84: 2,295,776
2,296,203
85: 2,296,119
148.2: 2,295,858
155.55: 2,295,899
30— 43: 2,296,044
2,296,093
2,296,094
30— 43: 2,296,095
2,296,134
107: 2,295,789
124: 2,296,073
139: 2,295,654
165: 2,295,721
221: 2,296,230
2,296,231
2,296,236
328: 2,295,847
32— 8: 2,295,864
33— 2: 2,295,989
41: 2,296,232
47: 2,295,791
125: 2,296,104
129: 2,295,542
141: 2,295,787
143: 2,295,783
209: 2,295,957
34— 15: 2,295,744
2,295,745
45: 2,295,920
86: 2,295,732
99: 2,295,820
2,295,824
35— 12: 2,295,836
48: 2,295,818
59: 2,296,139
37— 71: 2,295,717
126: 2,295,850
39— 56: 2,295,525
40— 77: 2,296,005
132: 2,295,994
140: 2,296,022
42— 42: 2,295,941
43— 24: 2,296,174
48: 2,295,765
90: 2,296,040
44— 63: 2,296,199
66: 2,295,773
2,296,200
76: 2,296,069
45— 28: 2,295,972
77: 2,295,697
131: 2,295,647
46— 87: 2,295,708
94: 2,295,835
165: 2,295,890
169: 2,296,179
51— 9: 2,295,926
78: 2,295,622
2,295,695
205: 2,295,693
2,295,859
53— 7: 2,295,651
56— 27: 2,296,065
57— 1: 2,295,935
116: 2,295,999
140: 2,295,593
146: 2,295,726
60— 46: 2,296,023
52: 2,295,948
2,296,064
54.6: 2,296,145
97: 2,296,177
62— 3: 2,295,992
5: 2,295,944
2,295,973
17: 2,295,624
2,295,625
108.5: 2,295,939
119.5: 2,295,988
139: 2,295,983
175.5: 2,295,809
65— 53: 2,295,860
66— 89: 2,295,782
96: 2,295,794
154: 2,295,597
169: 2,295,793
67— 29: 2,295,853
68— 5: 2,295,718
9: 2,295,955
13: 2,295,857
205: 2,296,035
215: 2,296,149
70— 120: 2,296,029
186: 2,295,723
252: 2,295,807
364: 2,295,737
72— 37: 2,296,002
73— 31: 2,295,528
51: 2,295,586
2,296,030
110: 2,296,237
321: 2,295,189
74— 1: 2,295,998
10: 2,295,966
2,296,061
57: 2,296,164
130: 2,296,148
230.8: 2,295,531
283: 2,295,819
422: 2,295,877
424.5: 2,295,997
503: 2,295,731
504: 2,296,120
505: 2,295,711
526: 2,295,897
541: 2,295,792
615: 2,296,068
75— 5: 2,295,811
58: 2,295,706
63: 2,296,196
77— 4: 2,295,543
5: 2,296,087
62: 2,295,856
81— 15: 2,296,173
83— 27: 2,295,918
28: 2,296,166
91: 2,295,639
84— 1.27: 2,296,125
376: 2,295,585
455: 2,295,902
472: 2,295,954
85— 11: 2,296,046
35: 2,295,900
36: 2,295,685
86— 23: 2,295,573
88— 14: 2,296,027
16: 2,295,754
23: 2,296,103
27: 2,296,141
91— 13: 2,295,912
43: 2,295,682
59: 2,295,575
2,295,576
93— 3: 2,296,142
8: 2,296,146
39.1: 2,296,052
94— 8: 2,296,195
36: 2,296,144
39: 2,295,947
50: 2,295,645
95— 5: 2,295,632
31: 2,295,801
45: 2,295,949
62: 2,295,812
88: 2,295,734
89: 2,296,048
97— 47: 2,295,898
2,296,205
184: 2,296,175
230: 2,296,210
98— 2: 2,295,750
7: 2,295,778
59: 2,295,839
82: 2,295,669
99— 2: 2,295,643
99— 79: 2,296,180
81: 2,295,868
100— 71: 2,296,051
101— 123: 2,295,979
274: 2,295,748
102— 2: 2,295,671
20: 2,295,854
103— 5: 2,295,833
38: 2,295,780
103: 2,295,810
186: 2,295,592
233: 2,295,598
2,296,220
105— 167: 2,296,106
197: 2,295,549
2,295,550
2,295,553
2,295,555
2,295,557
2,295,558
197.2: 2,295,547
206: 2,295,936
422: 2,295,751
106— 62: 2,295,637
173: 2,295,958
308: 2,296,066
107— 8: 2,295,838
110— 24: 2,295,781
111— 41: 2,296,208
48: 2,296,209
2,296,216
112— 5: 2,295,727
105: 2,295,851
252: 2,296,190
260: 2,295,640
261: 2,295,582
113— 94: 2,296,158
99: 2,295,966
115— 27: 2,296,147
23: 2,295,945
117— 37: 2,295,735
41: 2,295,613
46: 2,295,701
2,295,702
69: 2,296,070
70: 2,295,814
76: 2,295,969
104: 2,295,928
135: 2,295,974
119— 55: 2,296,143
81: 2,295,964
117: 2,295,581
120— 44: 2,296,127
121— 40: 2,295,961
41: 2,295,813
103: 2,295,962
122— 14: 2,295,785
477: 2,295,538
123— 1: 2,295,619
32: 2,296,192
51: 2,295,879
52: 2,295,832
71: 2,295,978
169: 2,296,033
2,296,045
2,296,054
126— 39: 2,295,915
44: 2,295,889
73: 2,295,698
272: 2,295,846
340: 2,296,140
128— 38: 2,295,817
134: 2,295,806
146: 2,296,150
218: 2,295,849
268: 2,296,207
303: 2,295,848
129— 16.5: 2,295,951
2,295,952
130— 5: 2,295,755
131— 235: 2,295,568
132— 1: 2,295,987
13: 2,295,746
33: 2,296,168
34: 2,295,892
136— 170: 2,296,038
137— 53: 2,295,931
69: 2,295,986
78: 2,295,611
93: 2,295,871
104: 2,296,219
139: 2,295,667
2,296,132
138— 61: 2,295,830
139— 59: 2,295,696
144— 309: 2,295,684
146— 3: 2,295,922
12: 2,296,088
153: 2,295,764
148— 6: 2,295,842
2,295,843
6.5: 2,295,545
21: 2,295,777
152— 243: 2,295,722
153— 2: 2,295,852
2,295,953
154— 10: 2,295,541
27: 2,295,971
33.05: 2,295,891
40: 2,296,171
155— 116: 2,296,212
117: 2,296,224
158— 7: 2,295,784
28: 2,295,885
91: 2,295,799
117.1: 2,296,025
160— 115: 2,296,010
161— 1: 2,295,993
164— 0.5: 2,295,634
64: 2,295,610
90: 2,296,136
166— 1: 2,295,822
9: 2,295,803
10: 2,295,770
168— 28: 2,296,111
169— 4: 2,295,571
171— 95: 2,295,959
97: 2,296,099
2,296,109
119: 2,296,031
252: 2,296,137
327: 2,295,990
172— 120: 2,295,916
278: 2,295,786
293: 2,295,664
173— 328: 2,295,757
2,295,883
2,296,114
174— 15: 2,295,825
87: 2,296,227
165: 2,295,872
175— 41: 2,295,759
182: 2,295,738
183: 2,295,578
294: 2,295,805
345: 2,296,123
366: 2,296,015
376: 2,295,749
176— 30: 2,295,652
122: 2,295,626
124: 2,295,657
2,295,713
2,296,052
177— 7: 2,296,131
311: 2,295,795
2,295,927
329: 2,296,151
346: 2,295,869
177— 351: 2,295,533
352: 2,296,032
353: 2,295,534
178— 2: 2,295,636
5.2: 2,295,628
5.4: 2,296,019
7.5: 2,295,530
2,295,779
2,295,802
2,296,050
13: 2,295,572
44: 2,296,098
52: 2,296,580
179—115.5: 2,295,527
171: 2,295,816
2,296,057
171.5: 2,296,206
180— 54: 2,295,896
64: 2,296,181
183— 51: 2,295,981
67: 2,295,984
184— 6: 2,296,178
188— 4: 2,295,837
79.5: 2,295,758
2,296,026
129: 2,295,551
152: 2,295,539
153: 2,295,797
2,295,875
209: 2,295,739
189— 13: 2,295,861
36: 2,295,893
72: 2,295,689
2,295,882
76: 2,295,681
90: 2,296,086
190— 43: 2,296,090
192— 3: 2,295,715
2,296,003
3.2: 2,295,887
139: 2,296,233
142: 2,296,060
194— 97: 2,295,614
196— 10: 2,295,808
40: 2,296,096
52: 2,295,730
116: 2,295,752
197— 63: 2,295,921
198— 21: 2,295,526
200— 16: 2,295,668
51.10: 2,296,115
52: 2,295,725
2,296,009
2,296,053
59: 2,296,021
2,296,222
82: 2,296,071
97: 2,295,691
103: 2,295,881
112: 2,295,602
114: 2,295,589
123: 2,295,828
124: 2,296,157
137: 2,295,876
138: 2,295,544
2,296,063
2,296,067
146: 2,295,663
152: 2,296,194
165: 2,295,577
201— 63: 2,295,570
202— 57: 2,295,618
206— 29: 2,295,756
2,296,008
46: 2,295,771
59: 2,295,742
2,295,845
209— 11: 2,296,159
210— 16: 2,295,714

210— 55: 2,295,943
152: 2,295,633
170: 2,295,982
199: 2,295,937
211— 31: 2,295,707
35: 2,295,886
74: 2,296,028
104: 2,295,736
212— 69: 2,295,769
142: 2,296,186
214— 78: 2,296,085
83: 2,295,934
2,296,007
2,296,014
113: 2,295,895
141: 2,295,917
215— 40: 2,295,658
46: 2,295,946
216— 29: 2,295,903
57: 2,296,201
219— 4: 2,295,925
8: 2,295,546
220— 3: 2,295,878
15: 2,295,609
27: 2,295,688
2,295,865
31: 2,295,950
41: 2,295,747
54: 2,295,540
62: 2,295,729
85: 2,295,767
93: 2,296,215
221— 27: 2,295,967
47.1: 2,296,047
80: 2,295,910
223— 40: 2,295,940
71: 2,296,138
226— 48: 2,296,163
71: 2,295,529
82: 2,295,692

226— 82: 2,296,013
227— 27: 2,296,074
228— 23: 2,295,930
60: 2,295,908
229— 32: 2,295,532
39: 2,296,126
52: 2,296,228
2,296,229
230— 4: 2,295,728
18: 2,295,775
45: 2,296,122
117: 2,295,965
190: 2,295,790
235— 1: 2,296,191
61.5: 2,295,616
61.7: 2,296,075
132: 2,295,998
2,296,223
236— 10: 2,295,841
12: 2,296,128
237— 17: 2,296,185
238— 222: 2,296,076
240— 1: 2,295,788
6.45: 2,296,112
47: 2,295,863
242— 37: 2,295,535
43.7: 2,295,724
55.5: 2,295,648
2,295,679
244— 53: 2,296,006
102: 2,296,117
104: 2,296,017
137: 2,295,537
2,295,590
248— 19: 2,296,184
26: 2,296,221
38: 2,296,217
40: 2,295,676
147: 2,295,909
188: 2,296,043

248— 346: 2,295,666
358: 2,295,829
250— 1: 2,295,629
11: 2,296,041
20: 2,296,056
2,296,089
2,296,101
2,296,107
27: 2,295,601
2,295,635
2,296,090
2,296,091
2,296,092
2,296,102
27.5: 2,295,569
2,295,690
2,295,694
36: 2,295,555
2,295,615
40: 2,296,100
41.5: 2,295,536
2,295,694
2,296,176
105: 2,295,975
175: 2,295,919
251— 93: 2,296,081
102: 2,295,862
121: 2,296,135
144: 2,295,774
159: 2,295,772
252— 45: 2,296,037
107: 2,296,121
134: 2,295,594
2,295,595
2,295,596
138: 2,295,831
160: 2,296,097
251: 2,295,977
253: 2,295,653

254— 173: 2,295,932
255— 1.6: 2,296,161
28: 2,295,873
2,295,874
35: 2,295,720
61: 2,296,183
257— 137: 2,295,991
260— 83: 2,295,924
84: 2,295,923
113: 2,296,108
236.6: 2,296,004
239: 2,296,225
2,296,226
242: 2,295,574
248: 2,295,561
2,295,562
2,295,565
2,295,567
251: 2,295,559
2,295,560
2,295,563
2,295,564
2,295,566
295: 2,295,606
2,295,867
2,295,870
297: 2,296,167
313: 2,295,600
315: 2,296,214
336: 2,296,153
343: 2,296,218
359: 2,295,963
364: 2,295,649
397.5: 2,295,980
397.7: 2,295,884
514: 2,296,039
547: 2,295,644
561: 2,295,655
584: 2,295,709
598: 2,296,211

260— 609: 2,295,760
619: 2,295,985
621: 2,295,672
2,295,673
2,295,674
2,295,675
630: 2,295,705
649: 2,295,665
669: 2,295,619
671: 2,295,60[illegible]
744: 2,295,866
808: 2,295,753
261— 18: 2,295,656
36: 2,296,034
65: 2,296,172
90: 2,296,155
93: 2,295,740
262— 33: 2,296,235
265— 11: 2,295,710
14: 2,296,160
46: 2,296,169
266— 7: 2,295,617
30: 2,295,604
2,295,901
267— 1: 2,296,213
9: 2,295,548
2,295,552
2,295,554
2,295,556
268— 74: 2,295,827
271— 5: 2,296,152
272— 86: 2,296,000
273— 33: 2,295,599
65: 2,295,804
2,295,815
145: 2,296,001
152: 2,296,113
274— 1: 2,295,904
2,295,905
30: 2,295,712

274— 46: 2,295,938
47: 2,295,796
2,296,156
280— 41: 2,296,193
96.1: 2,295,913
281— 43: 2,295,704
284— 5: 2,296,170
17: 2,295,821
11: 2,295,907
24: 2,296,110
84: 2,295,840
115: 2,295,623
129: 2,295,716
146: 2,296,198
167: 2,296,234
286— 9: 2,295,579
11: 2,295,627
16: 2,295,683
287— 53: 2,295,621
2,296,058
90: 2,296,124
292— 139: 2,296,020
294— 1: 2,295,594
49: 2,295,670
102: 2,295,630
116: 2,295,768
296— 97: 2,296,130
299— 59: 2,296,079
66: 2,295,880
84: 2,295,661
2,296,055
300— 21: 2,295,970
303— 3: 2,295,796
21: 2,295,733
304— 14: 2,295,995
308— 80: 2,296,204
309— 4: 2,295,678
22: 2,296,116
312— 36: 2,296,154

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,295,526:	198— 21	2,295,614:	194— 97	2,295,742:	206— 59	2,295,930:	228— 23
2,295,527:	179—115.5	2,295,637:	106— 62	2,295,743:	18— 12	2,295,945:	117— 23
2,295,594:	252— 134	2,295,654:	30— 139	2,295,782:	66— 89	2,295,955:	68— 9
2,295,595:	252— 134	2,295,658:	215— 40	2,295,798:	274— 47	2,295,977:	252— 251
2,295,596:	252— 134	2,295,669:	98— 82	2,295,849:	128— 218	2,295,983:	62— 139
2,295,598:	103— 233	2,295,721:	30— 165	2,295,854:	102— 20	2,295,992:	62— 3
2,295,605:	23— 175	2,295,726:	57— 146	2,295,866:	260— 744	2,296,010:	160— 115
2,295,608:	260— 671	2,295,727:	112— 5	2,295,891:	154—33.05	2,296,028:	211— 74
2,295,609:	220— 15	2,295,735:	117— 37	2,295,892:	132— 34	2,296,034:	261— 36

2,296,064:	60— 52	2,296,200:	44— 66
2,296,073:	30— 124	2,296,205:	97— 47
2,296,092:	250— 27	2,296,208:	111— 41
2,296,108:	260— 113	2,296,217:	248— 38
2,296,115:	200—51.10		
2,296,126:	229— 39		
2,296,159:	209— 11		
2,296,161:	255— 1.6		
2,296,193:	280— 41		

U. S. GOVERNMENT PRINTING OFFICE: 1942

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Allied Mills, Inc., Chicago, Ill. Dog food. Serial No. 454,127; Sept. 22. Class 46.

American Firstoline Corporation, New York, N. Y. Zinc pigments. Serial No. 453,822; Sept. 22. Class 16.

American Foundation for Dental Science, San Diego, Calif. Concentrated medicinal materials. Serial No. 453,358; Sept. 22. Class 6.

American Oil Company, Baltimore, Md. Enameled signs. Serial No. 450,995; Sept. 22. Class 50.

Anaconda Wire and Cable Company, New York, N. Y. Copper rods. Serial No. 454,496; Sept. 22. Class 14.

Ascot Gas Water Heaters Limited, London, England. Building service water heaters and water heating coils therefor. Serial Nos. 447,318–19; Sept. 22. Class 34.

B & H Manufacturing Company, Inc., New Orleans, La. Valves, check valves, and non-gasket flanges. Serial No. 453,952; Sept. 22. Class 13.

Baar & Beards, Inc., New York, N. Y. Ladies' neckwear. Serial No. 454,387; Sept. 22. Class 39.

Bamberger, L., & Co., Newark, N. J. Women's coats, suits, dresses, etc. Serial No. 454,571; Sept. 22. Class 39.

Beau Brummell Ties, Inc., Cincinnati, Ohio. Neckties. Serial No. 454,325; Sept. 22. Class 39.

Best Foods, Inc., The, New York, N. Y. Vegetable oils. Serial No. 452,706; Sept. 22. Class 46.

Birmingham, Walter P., Sioux City, Iowa. Sandwiches. Serial No. 450,270; Sept. 22. Class 46.

Black, Joseph, & Sons Company, York, Pa. Hosiery. Serial No. 453,976; Sept. 22. Class 39.

Bramson Publishing Company, The, Detroit, Mich. Articles published in a continuing series. Serial Nos. 451,068–9; Sept. 22. Class 38.

Bramson Publishing Company, The, Detroit, Mich. Articles published in a continuing series. Serial No. 454,409; Sept. 22. Class 38.

Butler, Claud, London, England. Bicycles, tricycles, motorcycles, etc., and component parts thereof. Serial No. 452,283; Sept. 22. Class 19.

California Lettuce Growers, Inc., Guadalupe, Calif. Fresh vegetables. Serial No. 454,529; Sept. 22. Class 46.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Insecticides. Serial No. 454,530; Sept. 22. Class 6.

Campana Corporation, Batavia, Ill. Face powder. Serial No. 454,285; Sept. 22. Class 6.

Campbell Box and Tag Company, South Bend, Ind. Glued bands for packing laundry. Serial No. 453,786; Sept. 22. Class 37.

Candy Makers, Inc., Philadelphia, Pa. Candy bars. Serial No. 438,865; Sept. 22. Class 46.

Castle Films, Inc., New York, N. Y. Silent and/or sound motion picture films. Serial No. 454,029; Sept. 22; Class 26.

Charis Corporation, Allentown, Pa. Slips. Serial No. 454,444; Sept. 22. Class 39.

Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Synthetic resin molding compounds. Serial No. 449,126; Sept. 22. Class 1.

Continental Coffee Company, Inc., Chicago, Ill. Tea. Serial No. 447,906; Sept. 22. Class 46.

Cup & Container Institute, Inc., New York, N. Y. Knitted or crocheted lunch bags. Serial No. 454,301; Sept. 22. Class 2.

Darden, Roy W., Atlanta, Ga. Building block forming machine. Serial No. 453,432; Sept. 22. Class 23.

Distillers Warehouse, Inc., St. Louis, Mo. Gin. Serial No. 450,644; Sept. 22. Class 49.

Dyrud, Martinus J., doing business as Dyrud Laboratories, Prairie du Chien, Wis. Dry cleaning preparation and a glass cleaner. Serial No. 446,230; Sept. 22. Class 4.

Ellernan Company, The, Salt Lake City, Utah. Calcining, cooling, and drying kilns and parts thereof. Serial No. 452,524; Sept. 22. Class 34.

Excitement, Incorporated, Chicago, Ill. Perfumes. Serial No. 445,321; Sept. 22. Class 6.

Exeter Select Groves, Exeter, Calif. Fresh citrus fruits. Serial No. 450,135; Sept. 22. Class 46.

Feist Fabrics, Inc., New York, N. Y. Pyroxylin coated black pigment impregnated cloth. Serial No. 449,606; Sept. 22. Class 50.

Fondeville, Eugene L., New York, N. Y. Ceramic table ware. Serial No. 453,774; Sept. 22. Class 30.

Foreman Fabrics Corp., New York, N. Y. Cotton, rayon, and/or silk piece goods. Serial No. 452,423; Sept. 22. Class 42.

Garrett, J. C., doing business as Garrett Ranch, Valley Center, Calif. Fresh limes and lemons. Serial No. 453,563; Sept. 22. Class 46.

Gertmenian's Produce, Los Angeles, Calif. Fresh vegetables and fresh deciduous fruits. Serial No. 454,657; Sept. 22. Class 46.

Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Zeolitic materials. Serial Nos. 453,536–40; Sept. 22. Class 6.

Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Zeolite materials. Serial No. 453,541; Sept. 22. Class 6.

Guardian Safety Seal Company, Chicago, Ill. Bottle caps. Serial No. 440,933; Sept. 22. Class 50.

Horwig, Albert, New York, N. Y. Brooches, bracelets, earrings, etc. Serial No. 453,922; Sept. 22. Class 28.

International Minerals & Chemical Corporation, Chicago, Ill. Defluorinated phosphate which is a chemical used as an ingredient for foods for poultry and animals to supply phosphorus. Serial No. 453,754; Sept. 22. Class 6.

Leatherneck, The, Washington, D. C. Publication. Serial No. 453,158; Sept. 22. Class 38.

Leatherneck, The, Washington, D. C. Magazine. Serial No. 453,159; Sept. 22. Class 38.

Leeming, Thos., & Co., Inc., New York, N. Y. Germicide. Serial No. 454,260; Sept. 22. Class 6.

Lewistown Corporation Laboratories, New York, N. Y. Radon compound suppositories. Serial No. 449,615; Sept. 22. Class 6.

Lincoln & Ulmer, Inc., New York, N. Y. Cigars, cigarettes, and smoking tobacco. Serial No. 450,312; Sept. 22. Class 17.

Lithographic Technical Foundation, Inc., New York, N. Y. Wash or solvent used in the preparation of lithographic plates and stones. Serial No. 454,557; Sept. 22. Class 6.

Lockport Cotton Batting Co., Lockport, N. Y. Cotton batting or cotton batts. Serial No. 448,142; Sept. 22. Class 1.

Lomax, George, Chicago, Ill. Flavoring syrup. Serial No. 454,261; Sept. 22. Class 45.

Lubin-Weeker Co., Inc., New York, N. Y. Men's pajamas. Serial No. 446,167; Sept. 22. Class 39.

Mackey, C. A., & Co., New York, N. Y. Coffee. Serial Nos. 454,307–8; Sept. 22. Class 46.

MacLeod Laboratories, Palmyra, N. J. Canned fruits and fruit juices. Serial No. 437,208; Sept. 22. Class 46.

Magnone, E. L., Sanger, Calif. Fresh grapes. Serial No. 454,661; Sept. 22. Class 46.

Manifold Supplies Company, New York, N. Y. Negative hectograph master sheets each with or without a carbon sheet attached. Serial No. 449,693; Sept. 22. Class 11.

Maurer-Neuer Corporation, Arkansas City, Kans. Meats and meat products. Serial No. 451,386; Sept. 22. Class 46.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Periodicals. Serial No. 454,430; Sept. 22. Class 38.

Miramar Trading Corporation, Brooklyn, N. Y. Salad oil. Serial No. 454,175; Sept. 22. Class 46.

Modoc Orchard Co., Medford, Oreg. Fresh pears. Serial No. 454,197; Sept. 22. Class 46.

Napa & Sonoma Wine Co., San Francisco, Calif. Wines. Serial No. 444,650; Sept. 22. Class 47.

National Carbon Company, Inc., New York, N. Y. Brushes for use in dynamo-electric apparatus. Serial No. 454,665; Sept. 22. Class 21.

National Fireproofing Corporation, Pittsburgh, Pa. Building tile. Serial No. 452,584; Sept. 22. Class 12.

Nivison-Weiskopf Company, The, Reading, Ohio. Wallboard. Serial No. 453,497; Sept. 22. Class 12.

Old Town Ribbon & Carbon Co., Inc., Brooklyn, N. Y. Carbon paper and typewriter ribbons. Serial No. 454,060; Sept. 22. Class 11.

Ovington's Gift Shop, Inc., New York, N. Y. Pencils, pens, stationery, etc. Serial No. 453,209; Sept. 22. Class 37.

Paparelli, A. J., doing business as San Pedro Laboratories, San Antonio, Tex. Tablets for relief of pain due to headaches, colds, neuralgia, etc. Serial No. 454,721; Sept. 22. Class 6.

Patterson-Sargent Company, The, Cleveland, Ohio. Dry and ready mixed paints, paint enamels, stains, etc. Serial No. 453,944; Sept. 22. Class 16.

Pfeiffer Brewing Company, Detroit, Mich. Beer. Serial No. 439,237; Sept. 22. Class 48.

Polaroid Corporation, Cambridge, Mass. Printing inks. Serial No. 454,511; Sept. 22. Class 11.

Polaroid Corporation, Cambridge, Mass. Printing inks. Serial No. 454,519; Sept. 22. Class 11.

Rochester Shoe Tree Co. (See Schelter Last Co.)

Rogers Diesel and Aircraft Corporation, New York, N. Y. Railway motor cars and aircraft structural parts. Serial No. 454,269; Sept. 22. Class 19.

S. M. Hosiery Company, Inc., New York, N. Y. Hosiery. Serial No. 451,943; Sept. 22. Class 39.

San Pedro Laboratories. (See Paparelli, A. J.)

Schelter Last Co., Inc., doing business as Rochester Shoe Tree Co., Rochester, N. Y. Shoe trees. Serial No. 453,629; Sept. 22. Class 50.

Selka, S., Bradford, England. Men's and boys' suits, jackets, trousers, etc., and women's and girls' suits, coats, raincoats, etc. Serial No. 453,932; Sept. 22. Class 39.
Shell Chemical Company, San Francisco, Calif. Insecticides and compounds for use in insecticides. Serial No. 454,546; Sept. 22. Class 6.
Siegel and Alenikoff, New York, N. Y. Women's, misses', and junior misses' coats and suits. Serial No. 454,106; Sept. 22. Class 39.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Gasoline. Serial No. 452,659; Sept. 22. Class 15.
Stein, Hall Manufacturing Company, Chicago, Ill. Sugar producing composition. Serial No. 454,525; Sept. 22. Class 46.
Strouse, Audrey E., Baltimore, Md. Series of radio scripts. Serial No. 454,613; Sept. 22. Class 38.
Sunday Creek Coal Company, The, Columbus, Ohio. Coal. Serial No. 448,344; Sept. 22. Class 1.
Uddo Taormina Corp., Brooklyn and New York, assignor to Uddo & Taormina Company, Brooklyn, N. Y. Canned vegetables. Serial No. 444,947; Sept. 22. Class 46.
United States Gypsum Company, Chicago, Ill. Acoustical tile. Serial No. 443,988; Sept. 22. Class 12.
Universal Slide Fastener Company, Inc., Long Island City, N. Y. Slide fasteners. Serial No. 454,089; Sept. 22. Class 13.
Vitafreze Corporation, Sacramento, Calif. Frozen confections. Serial No. 446,769; Sept. 22. Class 46.
Westchester Optical Company, Inc., White Plains, N. Y. Sunglasses and spectacles. Serial No. 451,905; Sept. 22. Class 26.
White Laboratories, Inc., Newark, N. J. Vitamins in tablet form, capsule form, and liquid form. Serial No. 454,470; Sept. 22. Class 6.
Wincharger Corporation, Sioux City, Iowa. Electrical dynamotors, generators, converters, etc. Serial No. 454,678; Sept. 22. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Abraham & Straus, Inc., also doing business as Abraham & Strauss, Brooklyn, N. Y. Furniture. 397,805; Sept. 22; Serial No. 452,593; published July 14, 1942. Class 32.
Alward-Anderson-Southard Co., Chicago, Ill., by change of name to Red Head Brand Company. Hunting and riding coats, vests, and pants. 157,633; renewed Aug. 15, 1942.
American Sponge and Chamois Company, Inc., New York, N. Y. Genuine chamois skins and leather skins tanned to resemble genuine chamois skins. 397,752–3; Sept. 22; Serial Nos. 447,834–5; published July 14, 1942. Class 1.
Anchorena, Benjamin Felipe Nazar, doing business as Benjamin F. Nazar Anchorena, Buenos Aires, Argentina. Wine, champagne, and sherry. 397,757; Sept. 22; Serial No. 448,775; published July 7, 1942. Class 47.
Anderson, W. O., Commission Company, The, Topeka, Kans. Fresh fruits. 397,742; Sept. 22; Serial No. 442,345; published July 14, 1942. Class 46.
Anne Undies, Inc., New York, N. Y. Women's and girls' underwear. 397,747; Sept. 22; Serial No. 443,907; published July 14, 1942. Class 38.
Ardin, Lucien, Inc., New York, N. Y. Wines. 397,865; Sept. 22. Class 47.
Aris Gloves, Inc. (See Steinberger Bros. Lobl Co., assignor.)
Associated Portland Cement Manufacturers, Limited. (See Gillingham Portland Cement Company, Limited, assignor.)
Atlas Fabrics Corporation, New York, N. Y. Piece goods, knit goods made of rayon and/or acetate yarn. 397,795; Sept. 22; Serial No. 452,322; published July 14, 1942. Class 42.
Atlas Portland Cement Company, The, North Hampton, Pa., and New York, assignor, by mesne assignments, to Universal Atlas Cement Company, New York, N. Y. Stucco. 163,015; renewed Jan. 2, 1943.
Bagnato, Vito, Woodside, N. Y. Clothing. 397,800; Sept. 22; Serial No. 452,464; published July 14, 1942.
Bales, Robert, Jr., Morristown, Tenn. Gasoline. 397,791; Sept. 22; Serial No. 452,182; published July 14, 1942. Class 15.
Beacon Importing Co., Boston, Mass. Canned salmon. 397,840; Sept. 22; Serial No. 453,173; published July 14, 1942. Class 46.
Bedford Milling Company, Bedford, Pa. Dairy feed, horse and calf feed, and poultry feed. 397,854; Sept. 22. Class 46.
Belding Heminway Company, New York, N. Y. Piece goods. 397,806; Sept. 22; Serial No. 452,631; published July 14, 1942. Class 42.
Benson, N. P., Optical Company, Inc., Minneapolis, Minn. Eyeglass lenses and eyeglass edge finishes. 397,784; Sept. 22; Serial No. 451,831; published July 14, 1942. Class 26.
Berns, Robert E., Inc., New York, N. Y. Ladies', misses', and children's sportswear. 397,858; Sept. 22. Class 39.
Biltmore Publishing Company. (See Davis, Adele M.)
Blish, Mize & Silliman Hardware Company, The, Atchison, Kans. Ranges, heaters and stoves. 397,771; Sept. 22; Serial No. 451,131; published July 14, 1942. Class 34.
Boston Knitting Mills, Inc., Newton, Mass. Infants' and children's knitted suits, coats, overalls, etc. 397,770; Sept. 22; Serial No. 451,065; published July 14, 1942. Class 39.
Brown & Mills, Inc., Providence, R. I. Brooches, clips, pins, etc. 397,774; Sept. 22; Serial No. 451,379; published July 14, 1942. Class 28.
Cappel, MacDonald & Company, Dayton, Ohio. Educational toys. 397,828; Sept. 22; Serial No. 452,977; published July 14, 1942. Class 22.
Casco Products Corporation, Bridgeport, Conn. Electric switches. 397,754; Sept. 22; Serial No. 448,033; published July 14, 1942. Class 21.
Catz American Company, Inc., New York, N. Y. Spices. 397,740; Sept. 22; Serial No. 442,028; published July 14, 1942. Class 46.
Chapman, Zeph S., Los Angeles, Calif. Nonferrous metal alloy. 397,751; Sept. 22; Serial No. 447,583; published July 7, 1942. Class 14.
Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Downspouts, gutters, fittings for downspouts, etc. 397,783; Sept. 22; Serial No. 451,796; published July 14, 1942. Class 12.
China Overseas Inc., New York, N. Y. Imitation jewelry. 397,777; Sept. 22; Serial No. 451,487; published July 14, 1942. Class 28.
Coast Products Company, The, assignor to Wetterau Grocer Company, Inc., St. Louis, Mo. Canned fruits, vegetables, fish, etc. 160,417; renewed Oct. 24, 1942.
Collins & Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Heavy cotton plush. 397,833; Sept. 22; Serial No. 453,003; published July 14, 1942. Class 42.
Columbia River Paper Mills, Vancouver, Wash., and Portland, Oreg. Writing paper. 397,782; Sept. 22; Serial No. 451,672; published July 14, 1942. Class 37.
Commercial Paste Co. The, Columbus, Ohio. Paste in powder form. 397,846; Sept. 22; Serial No. 453,409; published July 14, 1942. Class 5.
Commercial Paste Co., The, Columbus, Ohio. Adhesive. 397,847–8; Sept. 22; Serial Nos. 453,410–11; published July 14, 1942. Class 5.
Connor, W. B., Engineering Corp., New York, N. Y. Gas and odor removing units, and parts of such units. 397,738–9; Sept. 22; Serial Nos. 436,299–300; published July 14, 1942. Class 34.
Consolidation Coal Company, New York, N. Y. Coal. 397,803; Sept. 22; Serial No. 452,522; published June 16, 1942. Class 1.
Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses and dress ensembles. 397,837; Sept. 22; Serial No. 453,030; published July 14, 1942. Class 39.
Davis, Adele M., doing business as Biltmore Publishing Company, Tuckahoe, N. Y. Magazine. 397,750; Sept. 22; Serial No. 447,431; published July 14, 1942. Class 38.
Dodge Sales & Engineering Co., assignor, by mesne assignments, to Dodge Manufacturing Corporation, Mishawaka, Ind. Pulleys of various diameters and widths. 159,333; renewed Sept. 26, 1942.
Draper Brothers Company, Canton, Mass. Textile blankets. 397,829; Sept. 22; Serial No. 452,979; published July 14, 1942. Class 42.
Earl, Charles H., Bay City, Mich. Statue of a snow man used for advertising purposes. 397,743; Sept. 22; Serial No. 442,524; published July 14, 1942. Class 50.
Eastern Coal Sales Company, Bluefield, W. Va. Coal. 397,817; Sept. 22; Serial No. 452,801; published July 14, 1942. Class 1.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Matte surfaced and translucent sheet material for tracing. 397,810; Sept. 22; Serial No. 452,716; published July 14, 1942. Class 26.
Economy Grocery Stores Corporation, Boston, Mass. Canned vegetables and peanut butter. 397,860; Sept. 22. Class 46.
Embalmers' Supply Company, The, Westport, Conn. Germicidal soap. 397,862; Sept. 22. Class 4.
Evercrete Corporation, New York, N. Y. Concrete preserver. 397,748; Sept. 22; Serial No. 445,773; published July 14, 1942. Class 12.
Excellent Cabinet Works Corporation, Brooklyn, N. Y. Cabinets. 397,827; Sept. 22; Serial No. 452,950; published July 14, 1942. Class 32.
Fasteson, Einar B., Seekonk, Mass. Humus. 397,819; Sept. 22; Serial No. 452,823; published July 21, 1942. Class 10.
Fawcett, Wilford H., Robbinsdale, Minn., assignor to Popular Magazines, Inc., Greenwich, Conn. Publication. 158,662; renewed Sept. 12, 1942.

Fink, A., & Sons Co., Inc., Newark, N. J. Hams, bacon, lard, etc. 397,744; Sept. 22; Serial No. 442,590; published July 14, 1942. Class 46.
Firestone Tire & Rubber Company, The. (See Oldfield Tire Company.)
Firestone Tire & Rubber Company, The, Akron, Ohio. Rubber coasters. 397,830; Sept. 22; Serial No. 453,103; published July 14, 1942. Class 2.
Fisba Fabrics, Inc., New York, N. Y. Printed, crimpled, cotton organdy fabrics in the piece. 397,789; Sept. 22; Serial No. 452,145; published July 14, 1942. Class 42.
Fleming-Spencer Co., Inc., Richmond, Va., assignor to Sanford Fleming, trading as the Fleming Brokerage Company. Preserved fruits, jellies, peanut butter, etc. 397,856; Sept. 22. Class 46.
Gallun, A. F. & Sons Corporation, Milwaukee, Wis. Leather. 397,821; Sept. 22; Serial No. 452,856; published July 14, 1942. Class 1.
Gaza, Garcia Manzoni, & Cia., assignor, by mesne assignments, to Jaime Gaza, Buenos Aires, Argentina. Lubricating oils and greases. 161,942; renewed Nov. 28, 1942.
Geier, Oscar A., doing business as Richards & Geier, New York, N. Y. Publication. 397,853; Sept. 22. Class 38.
Geiger, Louis, Inc., New York, N. Y. Ladies' and girls' playsuits and sportswear. 397,809; Sept. 22; Serial No. 452,689; published July 14, 1942. Class 39.
General Brewing Corporation, doing business as Grape Gold Wine Company, San Francisco, Calif. Wine. 397,745; Sept. 22; Serial No. 443,124; published July 7, 1942. Class 47.
General Electric Company, Schenectady, N. Y. Pencils and fountain pens. 397,830; Sept. 22; Serial No. 452,980; published July 14, 1942. Class 37.
General Time Instruments Corporation, New York, N. Y., and Peru, Ill. Clocks and watches. 397,822; Sept. 22; Serial No. 452,927; published July 14, 1942. Class 26.
Gibson Electric Refrigerator Corporation, Greenville, Mich. Refrigerators. 397,844–5; Sept. 22; Serial Nos. 453,394–5; published July 14, 1942. Class 31.
Gillingham Portland Cement Company, Limited, The, London and Gillingham, assignor to The Associated Portland Cement Manufacturers, Limited, London, England. Portland cement. 22,244; re-renewed Dec. 27, 1942.
Glasco Products Company, Chicago, Ill. Medicine glasses, medicine droppers, nasal douches, etc. 397,793; Sept. 22; Serial No. 452,234; published July 14, 1942. Class 44.
Glencairn Mfg. Co., to Glencairn Manufacturing Company, Pawtucket, R. I. Shoe lacings, corset lacings, underwear lacings, etc. 164,031; renewed Feb. 6, 1943.
Grand View Heights Citrus Association, Terra Bella, Calif. Fresh citrus fruits. 163,329–30; renewed Jan. 9, 1943.
Grape Gold Wine Company. (See General Brewing Company.)
Graus & Hulverson, Hastings, Minn. Compound for refitting dentures. 397,766; Sept. 22; Serial No. 450,334; published July 14, 1942. Class 44.
Gumakers of America, Inc., Clifton Heights, Pa. Chewing gum. 397,773; Sept. 22; Serial No. 451,268; published July 14, 1942. Class 46.
Harvey, Alfred, New York, N. Y. Magazine. 397,778; Sept. 22; Serial No. 451,493; published July 14, 1942. Class 38.
Haspel Brothers, Inc., New Orleans, La. Men's and boys' suits, coats, pants, etc. 397,868; Sept. 22. Class 39.
Hobart Manufacturing Company, The, Troy, Ohio. Weighing scales. 397,813; Sept. 22; Serial No. 452,747; published July 14, 1942. Class 26.
Holt, Minta C., doing business as Holt Publishing Company, Minneapolis, Minn. Miniature models of homes, garages, log cabins, etc. 397,852; Sept. 22. Class 50.
Independent Lock Company, Fitchburg, Mass. Keys. 397,834; Sept. 22; Serial No. 453,008; published July 21, 1942. Class 25.
International Paper Company, New York, N. Y. Wrapping paper. 397,762; Sept. 22; Serial No. 449,458; published Mar. 24, 1942. Class 37.
Interstate Shade Cloth Company, Hoboken, N. J. Waterproofed shade cloth treated with pyroxylin. 397,787; Sept. 22; Serial No. 452,044; published July 14, 1942. Class 50.
Interstate Shade Cloth Company, Hoboken, N. J. Shade cloth of cellulose fibre. 397,788; Sept. 22; Serial No. 452,046; published July 14, 1942. Class 42.
Jels-Rite Corporation, Chicago, Ill. Meat balls with gravy. 397,861; Sept. 22. Class 46.
Jones, Bertha L., Cleveland, Ohio. Mats for sinks. 397,741; Sept. 22; Serial No. 442,195; published July 14, 1942. Class 50.
Kalva Corporation, The, Waukegan, Ill. Chocolate-flavored syrups, flavoring, and cocoa powder. 397,838; Sept. 22; Serial No. 453,083; published July 14, 1942. Class 46.
Kaylon, Inc., New York, N. Y. Pajama waistbands. 397,807; Sept. 22; Serial No. 452,646; published July 7, 1942. Class 39.
Kellogg Company, Battle Creek, Mich. Publications. 397,866; Sept. 22. Class 38.
Kleinert, I. B., Rubber Company, New York, N. Y. Sanitary panties, step-ins, bloomers, etc. 397,801; Sept. 22; Serial No. 452,502; published July 14, 1942. Class 44.
Kleiston Rubber Co., Inc., Warren, R. I. Composition rubber sheets and blocks, and door mats, etc. 397,758; Sept. 22; Serial No. 448,972; published July 14, 1942. Class 50.
Knouse Corporation, The, Peach Glen, Pa. Canned apples. 397,809; Sept. 22. Class 46.
La Choy Food Products, Inc., Archbold, Ohio. Food seasoning preparation. 397,797–8; Sept. 22; Serial Nos. 452,355–6; published July 14, 1942. Class 46.
Lane, J. H., & Co., assignor to J. H. Lane & Company, New York, N. Y. Cotton piece goods. 163,939; renewed Feb. 6, 1943.
Lapin Products, Inc., New York, N. Y. Sunglasses. 397,755; Sept. 22; Serial No. 448,104; published July 14, 1942. Class 26.
Lilly, Eli, & Company, The, Indianapolis, Ind., by change of name to Eli Lilly and Company. Medicinal preparation. 161,125; renewed Nov. 7, 1942.
Liquor Distributors of America, Newark, N. J. Wines. 397,864; Sept. 22. Class 47.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Biscuits, cakes, wafers, etc. 397,796; Sept. 22; Serial No. 452,325; published July 14, 1942. Class 46.
M & N Cigar Manufacturers, Inc., Cleveland, Ohio. Cigars, cigarettes, cheroots, etc. 397,760; Sept. 22; Serial No. 449,186; published Mar. 10, 1942. Class 17.
Mallinson Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 397,811–2; Sept. 22; Serial Nos. 452,728–9; published July 14, 1942. Class 42.
Mallory, P. R., & Co., Inc., Indianapolis, Ind. Rectifier unit. 397,785; Sept. 22; Serial No. 451,913; published July 14, 1942. Class 21.
Menasha Products Company, The, Menasha, Wis. Paper napkins. 397,815; Sept. 22; Serial No. 452,779; published July 14, 1942. Class 37.
Morcy, Edith T. (See Tuttle, Orley C., assignor.)
Neiman-Marcus Co., Dallas, Tex. Sports wear. 397,799; Sept. 22; Serial No. 452,403; published July 14, 1942. Class 39.
Nelson, Ira I. (See Stack Heater Company.)
Neptune Meter Company, New York, N. Y. Relief valves. 157,549; renewed Aug. 8, 1942.
Nurre Companies, Inc., The, Bloomington, Ind. Mirrors. 397,849; Sept. 22; Serial No. 453,423; published July 14, 1942. Class 32.
Nyce, Robert J., doing business as Nyce Metal Products Co., Philadelphia, Pa. Lockers. 397,841; Sept. 22; Serial No. 453,183; published July 14, 1942. Class 32.
Oldfield Tire Company, The, to The Firestone Tire & Rubber Company, Akron, Ohio, successor. Resilient vehicle tires and inner tubes. 163,143; renewed Jan. 2, 1943.
Omar Incorporated, Omaha, Nebr. Wheat flour. 397,850; Sept. 22. Class 46.
Orefraction Incorporated, Pittsburgh, Pa. Refractory and ceramic compositions and bodies which are used in the construction of furnaces, kilns, driers, etc. 397,746; Sept. 22; Serial No. 443,303; published July 14, 1942. Class 12.
Palter, Barnet, doing business as Palter Watch Co., Brighton Beach, Brooklyn, N. Y. Rings and pins. 397,792; Sept. 22; Serial No. 452,200; published July 14, 1942. Class 28.
Parfums Schiaparelli, Inc., New York, N. Y. Compressed cotton discs. 397,759; Sept. 22; Serial No. 449,061; published July 14, 1942. Class 29.
Parke, Davis & Company, Detroit, Mich. Empty capsules and empty instrument and medicine cases. 397,823; Sept. 22; Serial No. 452,933; published July 14, 1942. Class 2.
Parke, Davis & Company, Detroit, Mich. Atomizing and nebulizing apparatus, hypodermic needles, etc. 397,824; Sept. 22; Serial No. 452,934; published July 14, 1942. Class 44.
Parke, Davis & Company, Detroit, Mich. Empty capsules and empty instrument and medicine cases. 397,825; Sept. 22; Serial No. 452,936; published July 14, 1942. Class 2.
Permanente Metals Corporation, The, Oakland, Calif. Magnesium and magnesium alloys. 397,780–1; Sept. 22; Serial Nos. 451,652–3; published July 7, 1942. Class 14.
Perry and Company, Limited, to Perry & Company Limited, Birminghani, England. Driving chains for cycles. 159,733; renewed Oct. 3, 1942.
Pfaltzgraff Pottery Company, The, York, Pa. Ceramic ovenware. 397,764; Sept. 22; Serial No. 449,628; published July 14, 1942. Class 30.
Piedmont Mills, Inc., Lynchburg, Va. Wheat flour. 159,474; renewed Sept. 26, 1942.
Pierce, C. S., Company, Brockton, Mass. Arch supports. 397,768; Sept. 22; Serial No. 450,920; published July 14, 1942. Class 44.
Pittsburg Storage Company, to Wirt Stewart doing business as Pittsburg Storage Co., Pittsburg, Tex., successor. Sweet potatoes. 163,386; renewed Jan. 9, 1943.
Plastic Binding Corporation, Chicago, Ill. Binder for books, booklets, pamphlets, etc. 397,851; Sept. 22. Class 37.

Plastoid Corporation, New York, N. Y. Plastic covered electric wire. 397,776; Sept. 22; Serial No. 451,418; published July 14, 1942. Class 21.
Popular Magazines, Inc. (See Fawcett, Wilford H., assignor.)
Red Head Brand Company. (See Alward-Anderson-Southard Co.)
Revere Copper and Brass Incorporated, New York, N. Y. Zinc base alloys. 397,818; Sept. 22; Serial No. 452,810; published July 7, 1942. Class 14.
Richards & Geier. (See Geier, Oscar A.)
Ripley, George A., doing business as Ripley Shirt Manufacturing Company, to Ripley Shirt Manufacturing Company, Dallas, Tex., successor. Men's dress shirts. 158,073; renewed Aug. 22, 1942.
Roma Wine Company Inc., Fresno Calif. Wines. 397,808; Sept. 22; Serial No. 452,653; published July 14, 1942. Class 47.
Royal Engineering Co., East Hanover, N. J. Oils and greases. 397,767; Sept. 22; Serial No. 450,602; published July 14, 1942. Class 15.
Schwartz, Samuel, doing business as Sun Radio Co., New York, N. Y. Electrical intercommunication systems and parts thereof. 397,772; Sept. 22; Serial No. 451,148; published July 14, 1942. Class 21.
Seal Sac, Inc., New York, N. Y. Food bags, garment bags, and blanket bags. 397,804; Sept. 22; Serial No. 452,540; published July 14, 1942. Class 2.
Sears, Roebuck and Co., Chicago, Ill. Women's and girls' shoes. 397,835; Sept. 22; Serial No. 453,016; published July 14, 1942. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Infant's carriage mattresses. 397,850; Sept. 22; Serial No. 453,471; published July 14, 1942. Class 32.
Seeman Brothers, Inc., New York, N. Y. Imitation vanilla flavor. 397,749; Sept. 22; Serial No. 446,639; published July 14, 1942. Class 46.
Shaw, John W., Decatur, Ill. House dresses. 397,831; Sept. 22; Serial No. 452,988; published July 14, 1942. Class 39.
Shield Foods, Inc., Buffalo, N. Y. Canned fruits and vegetables. 397,832; Sept. 22; Serial No. 452,989; published July 14, 1942. Class 46.
Simcox, Burton B., Knoxville, Tenn. Ventilators. 397,802; Sept. 22; Serial No. 452,512; published July 14, 1942. Class 34.
Simon, Franklin, & Co. Inc., assignor to Franklin Simon & Co., Inc., New York, N. Y. Clothing. 158,957; renewed Sept. 19, 1942.
Singer Manufacturing Company, The, Elizabeth, N. J. Oils. 397,814; Sept. 22; Serial No. 452,755; published July 14, 1942. Class 15.
Smith, J. A., Company, St. Louis, Mo. Chicken brooders and parts therefor. 397,816; Sept. 22; Serial No. 452,790; published July 14, 1942. Class 50.
Society of Chemical Industry in Basle, Basel, Switzerland. Coal-tar colors. 161,838; renewed Nov. 21, 1942.
Solar Electric Company, assignor to Solar Products Company, Chicago, Ill. Soap. 162,595; renewed Dec. 19, 1942.
Sporting Goods Publishing Company, The, St. Louis, Mo. Publications. 397,790; Sept. 22; Serial No. 452,175; published July 14, 1942. Class 38.
Sportowne Coat Co. Inc., New York, N. Y. Ladies' and misses coats and suits. No. 397,761; Sept. 22; Serial No. 449,398; published July 14, 1942. Class 39.
Stack Heater Company, to Ira I. Nelson, doing business as The Stack Heater Company, Boston, Mass., successor. Water heaters. 163,176; renewed Jan. 2, 1943.
Stanley, William W., Co., Inc., New York, N. Y. Water repellent and mildew proof cotton textile fabrics. 397,765; Sept. 22; Serial No. 450,082; published July 14, 1942. Class 42.
Steinberger Bros. Lobl Co., assignor to Aris Gloves, Inc., New York, N. Y. Gloves. 158,107; renewed Aug. 22, 1942.
Sterilseat Corporation, New York, N. Y. Electric air purifiers. 397,756; Sept. 22; Serial No. 448,118; published July 14, 1942. Class 34.
Stetson, John B., Company, Philadelphia, Pa. Men's hats. 397,786; Sept. 22; Serial No. 451,991; published July 14, 1942. Class 39.
Stewart, Wirt. (See Pittsburg Storage Company, assignor.)
Stieger, Philip J., St. Paul, Minn. Pipes, cigar holders, and cigarette holders. 397,826; Sept. 22; Serial No. 452,944; published July 14, 1942. Class 8.
Sun Radio Co. (See Schwartz, Samuel.)
Sunflower Packing Corp., Porterville, Calif. Fresh citrus fruit. 397,842; Sept. 22; Serial No. 453,282; published July 14, 1942. Class 46.
Superior Metal Products Company, St. Paul, Minn. Milk cans, milk pails, ice cream cans, etc. 397,794; Sept. 22; Serial No. 452,296; published July 14, 1942. Class 2.
Tremco Manufacturing Company, The, Cleveland, Ohio, Surface coating material. 397,836; Sept. 22; Serial No. 453,021; published July 14, 1942. Class 12.
Tuttle, Orley Clayton, assignor to Edith Tuttle Morcy, doing business as O. C. Tuttle Devil Bug Co., Old Forge, N. Y. Artificial bait. 157,597; renewed Aug. 8, 1942.
U. S. Electrical Motors, Inc., Los Angeles, Calif. Testing stands including an electric motor driven variable ratio transmission and equipped with clutching means. 397,763; Sept. 22; Serial No. 449,470; published July 14, 1942. Class 26.
United States Rubber Company, New York, N. Y. Pillows. 397,775; Sept. 22; Serial No. 451,398; published July 14, 1942. Class 32.
United States Rubber Company, New York, N. Y. Insole stock of foam rubber and rayon twill. 397,820; Sept. 22; Serial No. 452,842; published July 14, 1942. Class 50.
Universal Atlas Cement Company. (See Atlas Portland Cement Company.)
W. & S. Packing Co., Salinas, Calif. Fresh vegetables. 397,843; Sept. 22; Serial No. 453,284; published July 14, 1942. Class 46.
Wall Products, Inc., Newark, N. J. Compound used to retard the dehydration of cement. 397,867; Sept. 22. Class 12.
Wechsler, Ph., & Son, Inc., New York, N. Y. Coffee. 397,863; Sept. 22. Class 46.
West Coast Soap Company, Oakland, Calif. Soap powder. 163,785; renewed Jan. 30, 1943.
West Coast Soap Company, Oakland, Calif. Toilet soap. 163,789; renewed Jan. 30, 1943.
Western Maryland Dairy, Inc., Baltimore, Md. Fresh milk. 397,855; Sept. 22. Class 46.
Wetterau Grocer Company, Inc. (See Coast Products Company, The, assignor.)
Whitehouse & Hardy, Inc., New York, N. Y. Shoes. 164,019–20; renewed Feb. 6, 1943.
Whittenton Manufacturing Company, Taunton, Mass. Piece goods of rayon and wool mixtures. 397,769; Sept. 22; Serial No. 451,062; published July 14, 1942. Class 42.
Wiard Plow Company, Batavia, N. Y. Plows, cultivators, rollers, etc. 22,417; re-renewed Jan. 31, 1943.
Williams, R. C., & Company, Inc., New York, N. Y. Rum. 397,857; Sept. 22. Class 49.
Yardley & Co., Limited, Stratford, London, to Yardley & Co., Limited, London, England. Toilet soap. 162,421; renewed Dec. 12, 1942.
Zitrin, H. L., Inc., Brooklyn, N. Y. Leather soles. 397,779; Sept. 22; Serial No. 451,636; published July 14, 1942. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Consolidation Coal Company. 397,803; Sept. 22; Serial No. 452,522; published June 16, 1942.
Coal. Eastern Coal Sales Company. 397,817; Sept. 22; Serial No. 452,801; published July 14, 1942.
Leather. A. F. Gallun & Sons Corporation. 397,821; Sept. 22; Serial No. 452,856; published July 14, 1942.
Skins and leather skins tanned to resemble genuine chamois skins, Genuine chamois. American Sponge and Chamois Company. 397,752–3; Sept. 22; Serial Nos. 447,834–5; published July 14, 1942.

CLASS 2

Bags, garment bags, and blanket bags, Food. Seal Sac, Inc. 391,804; Sept. 22; Serial No. 452,540; published July 14, 1942.
Cans, milk pails, ice cream cans, etc., Milk. Superior Metal Products Company. 397,794; Sept. 22; Serial No. 452,296; published July 14, 1942.
Capsules and empty instrument and medicine cases, Empty. Parke, Davis & Company. 397,823; Sept. 22; Serial No. 452,933; published July 14, 1942.
Capsules and empty instrument and medicine cases, Empty. Parke, Davis & Company. 397,825; Sept. 22; Serial No. 452,936; published July 14, 1942.
Coasters, Rubber. Firestone Tire & Rubber Company. 397,839; Sept. 22; Serial No. 453,103; published July 14, 1942.

CLASS 4

Soap. Solar Electric Company. 162,595; renewed Dec. 19, 1942.
Soap, Germicidal. Embalmers' Supply Company. 397,862; Sept. 22.
Soap powder. West Coast Soap Company. 163,785; renewed Jan. 30, 1943.
Soap, Toilet. West Coast Soap Company. 163,789; renewed Jan. 30, 1943.
Soap, Toilet. Yardley & Co. 162,421; renewed Dec. 12, 1942.

CLASS 5

Adhesive. Commercial Paste Co. 397,847–8; Sept. 22; Serial Nos. 453,410–11; published July 14, 1942.
Paste in powder form. Commercial Paste Co. 397,846; Sept. 22; Serial No. 453,409; published July 14, 1942.

CLASS 6

Colors, Coal-tar. Society of Chemical Industry in Basle. 161,838; renewed Nov. 21, 1942.
Medicinal preparation. Eli Lilly & Company. 161,125; renewed Nov. 7, 1942.

CLASS 8

Pipes, cigar holders, and cigarette holders. P. J. Stieger. 397,826; Sept. 22; Serial No. 452,944; published July 14, 1942.

CLASS 10

Humus. E. B. Fasteson. 397,819; Sept. 22; Serial No. 452,823; published July 21, 1942.

CLASS 12

Cement, Portland. Gillingham Portland Cement Company. 22,244; re-renewed Dec. 27, 1942.
Coating material, Surface. Tremco Manufacturing Company. 397,836; Sept. 22; Serial No. 453,021; published July 14, 1942.
Compound used to retard the dehydration of cement. Wall Products, Inc. 397,867; Sept. 22.
Concrete preserver. Evercrete Corporation. 397,748; Sept. 22; Serial No. 445,773; published July 14, 1942.
Downspouts, gutters, fittings for downspouts, etc. Chase Brass & Copper Co. Incorporated. 397,783; Sept. 22; Serial No. 451,796; published July 14, 1942.
Refractory and ceramic compositions and bodies which are used in the construction of furnaces, kilns, driers, etc. Orefraction Incorporated. 397,746; Sept. 22; Serial No. 443,303; published July 14, 1942.
Stucco. Atlas Portland Cement Company. 163,015; renewed Jan. 2, 1943.

CLASS 13

Chains for cycles, Driving. Perry and Company. 159,733; renewed Oct. 3, 1942.
Valves, Relief. Neptune Meter Company. 157,549; renewed Aug. 8, 1942.

CLASS 14

Alloy, Nonferrous metal. Z. S. Chapman. 397,751; Sept. 22; Serial No. 447,583; published July 7, 1942.
Alloys, Zinc base. Revere Copper and Brass Incorporated. 397,818; Sept. 22; Serial No. 452,810; published July 7, 1942.
Magnesium and magnesium alloys. Permanente Metals Corporation. 397,780–1; Sept. 22; Serial Nos. 451,652–3; published July 7, 1942.

CLASS 15

Gasoline. R. Bales, Jr. 397,791; Sept. 22; Serial No. 452,182; published July 14, 1942.
Oils. Singer Manufacturing Company. 397,814; Sept. 22; Serial No. 452,755; published July 14, 1942.
Oils and greases. Royal Engineering Co. 397,767; Sept. 22; Serial No. 450,602; published July 14, 1942.
Oils and greases, Lubricating. Garcia Manzoni Gaza & Cia. 162,942; renewed Nov. 28, 1942.

CLASS 17

Cigars, cigarettes, cheroots, etc. M & N Cigar Manufacturers, Inc. 397,760; Sept. 22; Serial No. 449,186; published Mar. 10, 1942.

CLASS 21

Electric switches. Casco Products Corporation. 397,754; Sept. 22; Serial No. 448,033; published July 14, 1942.
Electrical intercommunication systems and parts thereof. S. Schwartz. 397,772; Sept. 22; Serial No. 451,148; published July 14, 1942.
Plastic covered electric wire. Plastoid Corporation. 397,776; Sept. 22; Serial No. 451,418; published July 14, 1942.
Rectifier unit. P. R. Mallory & Co. 397,785; Sept. 22; Serial No. 451,913; published July 14, 1942.

CLASS 22

Bait, Artificial. O. C. Tuttle. 157,597; renewed Aug. 8, 1942.
Toys, Educational. Cappel, MacDonald & Company. 397,828; Sept. 22; Serial No. 452,977; published July 14, 1942.

CLASS 23

Plows, cultivators, rollers, etc. Wiard Plow Company. 22,417; re-renewed Jan. 31, 1943.
Pulleys of various diameters and widths. Dodge Sales & Engineering Co. 159,333; renewed Sept. 26, 1942.

CLASS 25

Keys. Independent Lock Company. 397,834; Sept. 22; Serial No. 453,008; published July 21, 1942.

CLASS 26

Clocks and watches. General Time Instruments Corporation. 397,822; Sept. 22; Serial No. 452,927; published July 14, 1942.
Lenses and eyeglass edge finished, Eyeglass. N. P. Benson Optical Company. 397,784; Sept. 22; Serial No. 451,831; published July 14, 1942.
Matte surfaced and translucent sheet material for tracing. Eastman Kodak Company. 397,810; Sept. 22; Serial No. 452,716; published July 14, 1942.
Scales, Weighing. Hobart Manufacturing Company. 397,813; Sept. 22; Serial No. 452,747; published July 14, 1942.
Sunglasses. Lapin Products, Inc. 397,755; Sept. 22; Serial No. 448,104; published July 14, 1942.
Testing stands including an electric motor driven variable ratio transmission and equipped with clutching means. U. S. Electrical Motors, Inc. 397,763; Sept. 22; Serial No. 449,470; published July 14, 1942.

CLASS 28

Brooches, clips, pins, etc. Brown & Mills, Inc. 397,774; Sept. 22; Serial No. 451,379; published July 14, 1942.
Jewelry, Imitation. China Overseas Inc. 397,777; Sept. 22; Serial No. 451,487; published July 14, 1942.
Rings and pins. B. Palter. 397,792; Sept. 22; Serial No. 452,200; published July 14, 1942.

CLASS 29

Discs, Compressed cotton. Parfums Schiaparelli, Inc. 397,759; Sept. 22; Serial No. 449,061; published July 14, 1942.

CLASS 30

Ceramic ovenware. Pfaltzgraff Pottery Company. 397,764; Sept. 22; Serial No. 449,628; published July 14, 1942.

CLASS 31

Refrigerators. Gibson Electric Refrigerator Corporation. 397,844–5; Sept. 22; Serial Nos. 453,394–5; published July 14, 1942.

CLASS 32

Cabinets. Excellent Cabinet Works Corporation. 397,827; Sept. 22; Serial No. 452,959; published July 14, 1942.
Furniture. Abraham & Straus, Inc. 397,805; Sept. 22; Serial No. 452,593; published July 14, 1942.
Lockers. R. J. Nycc. 397,841; Sept. 22; Serial No. 453,183; published July 14, 1942.
Mattresses, Infant's carriage. Sears, Roebuck and Co. 397,850; Sept. 22; Serial No. 453,471; published July 14, 1942.
Mirrors. Nurre Companies. 397,849; Sept. 22; Serial No. 453,423; published July 14, 1942.
Pillows. United States Rubber Company. 397,775; Sept. 22; Serial No. 451,398; published July 14, 1942.

CLASS 34

Air purifiers, Electric. Sterilseat Corporation. 397,756; Sept. 22; Serial No. 448,118; published July 14, 1942.
Gas and odor removing units, and parts of such units. W. B. Connor Engineering Corp. 397,738–9; Sept. 22; Serial Nos. 436,299–300; published July 14, 1942.
Heaters, Water. Stack Heater Company. 163,176; renewed Jan. 2, 1943.
Ranges, heaters and stoves. Blish, Mize & Silliman Hardware Company. 397,771; Sept. 22; Serial No. 451,131; published July 14, 1942.
Ventilators. B. B. Simcox. 397,802; Sept. 22; Serial No. 452,512; published July 14, 1942.

CLASS 35

Vehicle tires and inner tubes, Resilient. Oldfield Tire Company. 163,143; renewed Jan. 2, 1943.

CLASS 37

Binder for books, booklets, pamphlets, etc. Plastic Binding Corporation. 397,851; Sept. 22.
Napkins, Paper. Menasha Products Company. 397,815; Sept. 22; Serial No. 452,779; published July 14, 1942.
Paper, Wrapping. International Paper Company. 397,762; Sept. 22; Serial No. 449,458; published Mar. 24, 1942.
Paper, Writing. Columbia River Paper Mills. 397,782; Sept. 22; Serial No. 451,672; published July 14, 1942.
Pencils and fountain pens. General Electric Company. 397,830; Sept. 22; Serial No. 452,980; published July 14, 1942.

CLASS 38

Magazine. A. M. Davis. 397,750; Sept. 22; Serial No. 447,431; published July 14, 1942.
Magazine. A. Harvey. 397,778; Sept. 22; Serial No. 451,493; published July 14, 1942.
Publication. W. H. Fawcett. 158,662; renewed Sept. 12, 1942.
Publication. O. A. Geier. 397,853; Sept. 22.
Publications. Kellogg Company. 397,866; Sept. 22.
Publications. Sporting Goods Publishing Company. 397,790; Sept. 22; Serial No. 452,175; published July 14, 1942.

CLASS 39

Clothing. V. Bagnato. 397,800; Sept. 22; Serial No. 452,464; published July 14, 1942.
Clothing. Franklin Simon & Co. Inc. 158,957; renewed Sept. 19, 1942.

Coats and suits, Ladies' and misses'. Sportowne Coat Co. Inc. 397,761; Sept. 22; Serial No. 449,398; published July 14, 1942.
Coats, vests, and pants, Hunting and riding. Alward-Anderson-Southard Co. 157,633; renewed Aug. 15, 1942.
Dresses and dress ensembles, Ladies' and misses'. David Crystal, Inc. 397,837; Sept. 22; Serial No. 453,030; published July 14, 1942.
Dresses, House. J. W. Shaw. 397,831; Sept. 22; Serial No. 452,988; published July 14, 1942.
Gloves. Steinberger Bros. Lobl Co. 158,107; renewed Aug. 22, 1942.
Hats, Men's. John B. Stetson Company. 397,786; Sept. 22; Serial No. 451,991; published July 14, 1942.
Playsuits and sportswear, Ladies' and girls'. Louis Geiger, Inc. 397,809; Sept. 22; Serial No. 452,689; published July 14, 1942.
Shirts, Men's dress. G. A. Ripley. 158,073; renewed Aug. 22, 1942.
Shoes. Whitehouse & Hardy, Inc. 164,019–20; renewed Feb. 6, 1943.
Shoes, Women's and girls'. Sears, Roebuck and Co. 397,835; Sept. 22; Serial No. 453,016; published July 14, 1942.
Soles, Leather. H. L. Zitrin, Inc. 397,779; Sept. 22; Serial No. 451,636; published July 14, 1942.
Sports wear. Neiman-Marcus Co. 397,799; Sept. 22; Serial No. 452,403; published July 14, 1942.
Sportswear, Ladies', misses', and children's. Robert E. Berns, Inc. 397,858; Sept. 22.
Suits, coats, overalls, etc., Infants' and children's knitted. Boston Knitting Mills, Inc. 397,770; Sept. 22; Serial No. 451,065; published July 14, 1942.
Suits, coats, pants, etc., Men's and boys'. Haspel Brothers, Inc. 397,868; Sept. 22.
Underwear, Women's and girls'. Anne Undies, Inc. 397,747; Sept. 22; Serial No. 443,907; published July 14, 1942.
Waistbands, Pajama. Kaylon, Inc. 397,807; Sept. 22; Serial No. 452,646; published July 7, 1942.

CLASS 40

Lacings, corset lacings, underwear lacings, etc., Shoe. Glencairn Mfg. Company. 164,031; renewed Feb. 6, 1943.

CLASS 42

Blankets, Textile. Draper Brothers Company. 397,829; Sept. 22; Serial No. 452,979; published July 14, 1942.
Cloth of cellulose fibre, Shade. Interstate Shade Cloth Company. 397,788; Sept. 22; Serial No. 452,046; published July 14, 1942.
Cotton piece goods. J. H. Lane & Co. 163,939; renewed Feb. 6, 1943.
Cotton textile fabrics, Water repellent and mildew proof. William W. Stanley Co. 397,765; Sept. 22; Serial No. 450,082; published July 14, 1942.
Fabrics in the piece, Printed, crimpled, cotton organdy. Fisba Fabrics, Inc. 397,789; Sept. 22; Serial No. 452,145; published July 14, 1942.
Piece goods. Belding Heminway Company. 397,806; Sept. 22; Serial No. 452,631; published July 14, 1942.
Piece goods, knit goods made of rayon and/or acetate yarn. Atlas Fabrics Corporation. 397,795; Sept. 22; Serial No. 452,322; published July 14, 1942.
Piece goods of rayon and wool mixtures. Whittenton Manufacturing Company. 397,769; Sept. 22; Serial No. 451,062; published July 14, 1942.
Plush, Heavy cotton. Collins & Aikman Corporation. 397,833; Sept. 22; Serial No. 453,003; published July 14, 1942.
Textile fabrics in the piece. Mallinson Fabrics Corporation. 397,811–12; Sept. 22; Serial Nos. 452,728–9; published July 14, 1942.

CLASS 44

Arch supports. C. S. Pierce Company. 397,768; Sept. 22; Serial No. 450,920; published July 14, 1942.
Atomizing and nebulizing apparatus, hypodermic needles, etc. Parke, Davis & Company. 397,824; Sept. 22; Serial No. 452,934; published July 14, 1942.
Compound for refitting dentures. Graus & Hulverson. 397,766; Sept. 22; Serial No. 450,334; published July 14, 1942.
Medicine glasses, medicine droppers, nasal douches, etc. Glasco Products Company. 397,793; Sept. 22; Serial No. 452,234; published July 14, 1942.
Sanitary panties, step-ins, bloomers, etc. I. B. Kleinert Rubber Company. 397,801; Sept. 22; Serial No. 452,502; published July 14, 1942.

CLASS 46

Biscuits, cakes, wafers, etc. Loose-Wiles Biscuit Company. 397,796; Sept. 22; Serial No. 452,325; published July 14, 1942.
Canned apples. Knouse Corporation. 397,869; Sept. 22.
Canned fruits and vegetables. Shield Foods, Inc. 397,832; Sept. 22; Serial No. 452,989; published July 14, 1942.
Canned fruits, vegetables, fish, etc. Coast Products Company. 100,417; renewed Oct. 24, 1942.
Canned salmon. Beacon Importing Co. 397,840; Sept. 22; Serial No. 453,173; published July 14, 1942.
Canned vegetables and peanut butter. Economy Grocery Stores Corporation. 397,860; Sept. 22.
Citrus fruit, Fresh. Sunflower Packing Corp. 397,842; Sept. 22; Serial No. 453,282; published July 14, 1942.
Coffee. Ph. Wechsler & Son, Inc. 397,863; Sept. 22.
Feed, horse and calf feed, and poultry feed, Dairy. Bedford Milling Company. 397,854; Sept. 22.
Flour, Wheat. Omar Incorporated. 397,859; Sept. 22.
Flour, Wheat. Piedmont Mills, Inc. 159,474; renewed Sept. 26, 1942.
Food seasoning preparation. La Chop Food Products, Inc. 397,797–8; Sept. 22; Serial Nos. 452,355–6; published July 14, 1942.
Fruits, Fresh. W. O. Anderson Commission Company. 397,742; Sept. 22; Serial No. 442,345; published July 14, 1942.
Fruits, Fresh citrus. Grand View Heights Citrus Association. 163,329–30; renewed Jan. 9, 1943.
Fruits, jellies, peanut butter, Preserved. Fleming-Spencer Co. 397,856; Sept. 22.
Gum, Chewing. Gumakers of America, Inc. 397,773; Sept. 22; Serial No. 451,268; published July 14, 1942.
Hams, bacon, lard, etc. A. Fink & Sons Co. 397,744; Sept. 22; Serial No. 442,590; published July 14, 1942.
Meat balls with gravy. Jels-Rite Corporation. 397,861; Sept. 22.
Milk, Fresh. Western Maryland Dairy, Inc. 397,855; Sept. 22.
Potatoes, Sweet. Pittsburg Storage Company. 163,386; renewed Jan. 9, 1943.
Spices. Catz American Company. 397,740; Sept. 22; Serial No. 442,028; published July 14, 1942.
Syrups, flavoring, and cocoa powder, Chocolate-flavored. Kalva Corporation. 397,838; Sept. 22; Serial No. 453,083; published July 14, 1942.
Vanilla flavor, Imitation. Seeman Brothers, Inc. 397,749; Sept. 22; Serial No. 446,639; published July 14, 1942.
Vegetables, Fresh. W. & S. Packing Co. 397,843; Sept. 22; Serial No. 453,284; published July 14, 1942.

CLASS 47

Wine. General Brewing Corporation. 397,745; Sept. 22; Serial No. 443,124; published July 7, 1942.
Wine, champagne, and sherry. B. F. N. Anchorena. 397,757; Sept. 22; Serial No. 448,775; published July 7, 1942.
Wines. Lucien Ardin, Inc. 397,865; Sept. 22.
Wines. Liquor Distributors of America. 397,864; Sept. 22.
Wines. Roma Wine Company. 397,808; Sept. 22; Serial No. 452,653; published July 14, 1942.

CLASS 49

Rum. R. C. Williams & Company. 397,857; Sept. 22.

CLASS 50

Brooders and parts therefor, Chicken. J. A. Smith Company. 397,816; Sept. 22; Serial No. 452,790; published July 14, 1942.
Insole stock of foam rubber and rayon twill. United States Rubber Company. 397,820; Sept. 22; Serial No. 452,842; published July 14, 1942.
Mats for sinks. B. L. Jones. 397,741; Sept. 22; Serial No. 442,195; published July 14, 1942.
Miniature models of homes, garages, log cabins, etc. M. C. Holt. 397,852; Sept. 22.
Sheets and blocks, and door mats, etc., Composition rubber. Kleistone Rubber Co. 397,758; Sept. 22; Serial No. 448,972; published July 14, 1942.
Statue of a snow man used for advertising purposes. C. H. Earl. 397,743; Sept. 22; Serial No. 442,524; published July 14, 1942.
Waterproofed shade cloth treated with pyroxylin. Interstate Shade Cloth Company. 397,787; Sept. 22; Serial No. 452,044; published July 14, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF SEPTEMBER, 1942

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ace Glass Incorporated. (See Schilling, W. F., assignor.)
Deere & Company. (See Tuft, M. H., and Rasmussen, assignors.)
Harder, Edwin L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective relaying equipment. Re. 22,179; Sept. 22.
Otis, Herbert C., Dallas, Tex. Well device. Re. 22,180; Sept. 22.
Rasmussen, C. T. (See Tuft, M. H., and Rasmussen.)
Schilling, William F., Conshohocken, Pa., assignor to Ace Glass Incorporated, Vineland, N. J. Chemical apparatus. Re. 22,181; Sept. 22.
Sound Scriber Corporation, The. (See Thompson, Lincoln, assignor.)
Thompson, Lincoln, Cheshire, assignor to The Sound Scriber Corporation, Stamford, Conn. Apparatus for recording sound on thin disks. Re. 22,153; Sept. 22.
Tuft, Miles H., Ottumwa, Iowa, and C. T. Rasmussen, assignors to Deere & Company, Moline, Ill. Row crop harvesting implement. Re. 22,182; Sept. 22.
Westinghouse Electric & Manufacturing Company. (See Harder, E. L., assignor.)

LIST OF DESIGN PATENTEES

Adams, George C., New York, N. Y., assignor to The J. B. Williams Company, Glastonbury, Conn. Wrapping paper or similar article. 133,875; Sept. 22.
Alt, Harold M., Jamaica, assignor to American Locomotive Company, New York, N. Y. Template. 133,842; Sept. 22.
American Locomotive Company. (See Alt, Harold M., assignor.)
Apitz, Alfred C., Chicago, Ill. Jewelry finding or similar article. 133,825; Sept. 22.
Armbruster, John T., Niagara Falls, assignor to Spencer Lens Company, Buffalo, N. Y. Projector. 133,843; Sept. 22.
Bargen, William J., Waukegan, Ill. Chair. 133,818; Sept. 22.
Baron, Leonard, Franklin Square, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Cap for collapsible tube. 133,844; Sept. 22.
Booharin, Leo Y. (See Cooney, Mark, assignor.)
Brodovitch, Alexy, New York, N. Y. Chair. 133,845; Sept. 22.
Brodovitch, Alexey, New York, N. Y. Chair. 133,846; Sept. 22.
Brodovitch, Alexey, New York, N. Y. Chair. 133,847; Sept. 22.
Brodovitch, Alexey, New York, N. Y. Chair. 133,848; Sept. 22.
Brodovitch, Alexey, New York, N. Y. Chair. 133,849; Sept. 22.
Carlson, Elmer T., Fort Mitchell, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Conduit for a conductor system. 133,866; Sept. 22.
Carson, Netye, New York, N. Y. Dress. 133,892; Sept. 22.
Carthage Mills Incorporated. (See Stout, John, assignor.)
Chaplin Corporation. (See Chaplin, Merle P., assignor.)
Chaplin, Merle P., South Portland, assignor to Chaplin Corporation, Portland, Maine. Molded fiber tray. 133,867; Sept. 22.
Clements, D. T., U. S. Army, Arlington, Va., and J. M. Kenderdine, U. S. Army, Silver Spring, Md. Portable container for liquids. 133,850; Sept. 22.
Cooney, Mark, assignor of one-half to L. Y. Booharin, San Francisco, Calif. Banner or the like. 133,826; Sept. 22.
Donahue, James P., Oak Park, Ill. Toy vehicle. 133,868; Sept. 22.
Donahue, James P., Oak Park, Ill. Toy rattler. 133,869; Sept. 22.
Double Duty Products, Inc. (See Houghton, Ellis M., assignor.)
Ehrsam, Frederick, Reading, Pa. Cutting implement sheath or the like. 133,851; Sept. 22.
Eisenberg, Ben K., New York, N. Y. Coat lining. 133,852; Sept. 22.
Eisenberg, Ben K., New York, N. Y. Coat lining. 133,853; Sept. 22.
Eisenberg, Ben K., New York, N. Y. Coat lining. 133,854; Sept. 22.
Eisenberg, Ben K., New York, N. Y. Coat lining. 133,855; Sept. 22.
Eisenberg, Ben K., New York, N. Y. Coat lining. 133,856; Sept. 22.
Eisenberg, Ben K., New York, N. Y. Coat lining. 133,857; Sept. 22.
Elder, John W., Middletown, Ohio. Wrapping paper. 133,876; Sept. 22.
Elder, John W., Middletown, Ohio. Wrapping paper. 133,877; Sept. 22.
Foster, Shirley B., New York, N. Y. Dress. 133,858; Sept. 22.
Gallagher, William M., Oklahoma City, Okla. Holder for inkwells and pens. 133,878; Sept. 22.
Gass, Walter S., Seward, Nebr. Flag holder. 133,859; Sept. 22.
Glenn, John W. (See Kolar, Joseph J., assignor.)
Gottlieb, David E., New York, N. Y. Dress. 133,860; Sept. 22.
Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Doily or similar article. 133,879; Sept. 22.
Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Doily or similar article. 133,880; Sept. 22.
Harris, Leo, Chicago, Ill. Dance slipper. 133,819; Sept. 22.
Hartley, Vincent, Greenfield, England. Head lamp mask. 133,899; Sept. 22.
Hecht, Jack, New Haven, and W. G. Klubek, Derby, Conn. Photographic mount or the like. 133,861; Sept. 22.
Hill, Beulah, Los Angeles, Calif. Bootlette. 133,870; Sept. 22.
Houghton, Ellis M., Marion, assignor to Double Duty Products, Inc., Cleveland, Ohio. Combined container carrier and display device. 133,820; Sept. 22.
Hoytash, Charles, Vineland, N. J. Set of game pieces. 133,863; Sept. 22.
Ingersoll-Rand Company. (See Reynolds, Harold C., assignor.)
Jacobson, Louis, Brooklyn, N. Y. Eyeglass frame. 133,821; Sept. 22.
Jacobson, Louis, Brooklyn, N. Y. Eyeglass frame. 133,822; Sept. 22.
Kadet Kruger & Company. (See Kruger, Milton C., assignor.)
Kalman, Louis, New York, N. Y. Textile fabric. 133,884; Sept. 22.
Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Surgical stitching instrument or similar article. 133,827; Sept. 22.
Kashine, Louis L., New York, N. Y. Dress. 133,893; Sept. 22.
Kenderdine, John M. (See Clements, D. T., and Kenderdine.)
Kessler, Betty, New York, N. Y. Dress. 133,894; Sept. 22.
Kinkel, Robert H., San Antonio, Tex. Chicken feeder. 133,862; Sept. 22.
Klubek, Walter G. (See Hecht, J., and Klubek.)
Kolar, Joseph J., Wheaton, Ill., assignor to J. W. Glenn Buffalo, N. Y. Whistle. 133,871; Sept. 22.
Krieger, Herman, Brooklyn, N. Y. Embroidered lace trimming. 133,885; Sept. 22.
Krieger, Herman, Brooklyn, N. Y. Embroidered lace trimming. 133,886; Sept. 22.
Kruger, Milton C., assignor to Kadet Kruger & Company, Chicago, Ill. Jabot. 133,872; Sept. 22.
Kruger, Milton C., assignor to Kadet Kruger & Company, Chicago, Ill. Jabot. 133,873; Sept. 22.
Langbert, H. Thomas, New York, N. Y. Dress. 133,895; Sept. 22.
Lipic, Sylvester G., St. Louis, Mo. Pencil or similar article. 133,881; Sept. 22.
Malone, Homer E., assignor to Perfex Corporation, Milwaukee, Wis. Air conditioning control. 133,864; Sept. 22.

Marimon, Robert J., Avon Lake, Ohio. Traction splint. 133,828; Sept. 22.
Matthews, Inez, Oakland, Calif. Mitten. 133,882; Sept. 22.
McCrory Stores Corporation. (See Steinhilber, Herman L., assignor.)
Meyer, Maximilian C., Brooklyn, N. Y. Jewelry clip. 133,829; Sept. 22.
Meyer, Maximilian C., Brooklyn, N. Y. Earring. 133,830; Sept. 22.
Meyer, Maximilian C., Brooklyn, N. Y. Earring. 133,831; Sept. 22.
Meyer, Maximilian C., Brooklyn, N. Y. Earring. 133,832; Sept 22.
Meyer, Maximilian C., Brooklyn, N. Y. Jewelry pin. 133,833; Sept. 22.
Meyer, Maximilian C., Brooklyn, N. Y. Earring. 133,834; Sept. 22.
Meyer, Maximilian C., Brooklyn, N. Y. Jewelry pin. 133,835; Sept. 22.
Meyer, Meximilian C., Brooklyn, N. Y. Jewelry pin. 133,836; Sept. 22.
Meyer, Maximilian C., Brooklyn, N. Y. Jewelry pin. 133,837; Sept. 22.
Meyer Maximilian C. Brooklyn, N. Y. Jewelry pin. 133,838; Sept. 22.
Meyer Maximilian C. Brooklyn, N. Y. Jewelry pin. 133,839; Sept. 22.
Meyer, Maximilian C., Brooklyn, N. Y. Jewelry pin. 133,840; Sept. 22.
Milwaukee Lace Paper Company. (See Hamilton, Kenneth C., assignor.)
Oppenheimer, Irving G., Larchmont, N. Y. Embroidered fabric. 133,887; Sept. 22.
Oppenheimer, Irving G., Larchmont, N. Y. Embroidered fabric. 133,888; Sept. 22.
Perfex Corporation. (See Malone, Homer E., assignor.)
Reid, Huldrick B., Detroit, Mich. Hat. 133,874; Sept. 22.
Reynolds, Harold C., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pneumatic drill unit. 133,841; Sept. 22.
Rost, Katheryn, New York, N. Y. Dress. 133,896; Sept. 22.
Schneider, Karl, assignor to Sears, Roebuck and Co., Chicago, Ill. Tea kettle or the like. 133,823; Sept. 22.
Sears Roebuck and Co. (See Schneider, Karl, assignor.)
Senderowitz, Robert, Allentown, Pa. Embroidered trimming or the like. 133,889; Sept. 22.
Singer Manufacturing Company, The. (See Karle, John D., assignor.)
Spencer Lens Company. (See Armbruster, John T., assignor.)
Steinhilber, Herman L., assignor to McCrory Stores Corporation, New York, N. Y. Menu cover. 133,883; Sept. 22.
Stout, John, Fox Chase, Pa., assignor to Carthage Mills Incorporated, Cincinnati, Ohio. Printed rug or the like. 133,865; Sept. 22.
Susi, Michael A., assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 133,890; Sept. 22.
Tobler, Hans, Teaneck, N. J. Lace trimming or similar article. 133,891; Sept. 22.
Trumbull Electric Manufacturing Company, The. (See Carlson, Elmer T., assignor.)
Victor Metal Products Corporation. (See Baron, Leonard, assignor.)
Williams, Harry O., Kansas City, Mo. Antitheft wheel attachment or similar article. 133,897; Sept. 22.
Williams, J. B., Company, The. (See Adams, George C., assignor.)
Yale Fabrics Corp. (See Susi, Michael A., assignor.)
Young, Raymond P., Wrightsville, Pa. Egg dyeing apparatus. 133,824; Sept. 22.
Zanderer, Belle, New York, N. Y. Dress. 133,898; Sept. 22.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF SEPTEMBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abadie, Jean B. J. M., Puteaux, France. Carbureted emissive electrode. 2,296,238; Sept. 22.
Acker, W. M., Organization, Inc. (See Acker, Wellington M., assignor.)
Acker, Wellington M., Lakewood, assignor to W. M. Acker Organization, Inc., Cleveland, Ohio. Steam trap. 2,296,248; Sept. 22.
Acrotorque Company, The. (See Moller, Conrad G., 3rd, assignor.)
Addressograph-Multigraph Corporation. (See Gollwitzer, Walter T., assignor.)
Air Reduction Company. (See Metzger, Floyd J., assignor.)
Air-Way Electric Appliance Corporation. (See Riebel, Frederick, Jr., assignor.)
Albosta, Edward V. P., Philadelphia, Pa. Game. 2,296,623; Sept. 22.
Albrecht, Lewis, Mahwah, N. J. Storage tank construction. 2,296,414; Sept. 22.
Alfery, Henry F., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermoelectric safety shut-off device. 2,296,322; Sept. 22.
Alfred, Lawrence W., Denver, Colo. Engine mounting bracket. 2,296,487; Sept. 22.
Alien Property Custodian. (See Haupt, Hans.)
Alien Property Custodian. (See Hennicke, William.)
Alien Property Custodian. (See Hubert E., and Ludewig.)
Alien Property Custodian. (See Links, H., Meiswinkel, and Schwaiger.)
Alien Property Custodian. (See Michael, Wilhelm.)
Alien Property Custodian. (See Mütze, Kurt.)
Alien Property Custodian. (See Neumann, Willy.)
Alien Property Custodian. (See Scheuermann, A., and Marecek.)
Allen, Archie A., assignor to Kirsch Company, Sturgis, Mich. Bracket for swinging rods. 2,296,323; Sept. 22.
Allen, Paul C. B., Toledo, Ohio, J. E. Wilske and F. A. McCormick, Alton, and A. S. Jackson, Wood River, Ill., assignors to Owens-Illinois Glass Company. Machine for assembling carton partitions. 2,296,758; Sept. 22.
Aluminum Company of America. (See Miller, Mike A., assignor.)
American Can Company. (See Erb, George C., assignor.)
American Cyanamid Company. (See Caryl, Coleman R., assignor.)
American Lurgi Corporation. (See Kramer, Wilhelm, assignor.)
American Merri-Lei Corporation. (See Hoeflich, Victor T., assignor.)
American Viscose Corporation. (See Bitler, Henry H., assignor.)
American Viscose Corporation. (See Smith, Robert A., assignor.)
American Viscose Corporation. (See Spalding, J. E., and Wicker, assignors.)
Anderson, John E. (See Martin, E., and Anderson.)
Anderson, William M., assignor to said Anderson and F. J. Kerner, Minneapolis, Minn. Winding device for punched strip stock. 2,296,488; Sept. 22.
Armour and Company. (See Barnard, Robert D., assignor.)
Armour and Company. (See Ralston, A. W., and Segebrecht, assignors.)
Armstrong Manufacturing Co. (See Waldo, John E., assignor.)
Arrow-Hart & Hegeman Electric Company, The. (See Dahl, Magnus, G., assignor.)
Art Metal Construction Company. (See Finch, Raymond C., assignor.)
Arundale, Erving, Union, and L. A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company. Halogenated meta-dioxanes. 2,296,375; Sept. 22.
Ash, Edward A., Detroit, Mich., and R. H. Larson, Geneva, assignors to Operadio Manufacturing Co., St. Charles, Ill. Phonograph. 2,296,489; Sept. 22.
Ashley, Erle C. (See Baker, J. W., and Ashley.)
Ashlock, George W., Jr., Oakland, Calif. Fruit orienting device. 2,296,490; Sept. 22.
Austin, Paul R., and C. E. Frank, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers of formaldehyde. 2,296,249; Sept. 22.
Autocall Company, The. (See Richmond, Louis E., assignor.)
Autogiro Company of America. (See Bennett, James A. J., assignor.)
Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)
Autoxygen, Inc. (See Kokatnur, Vaman R., assignor.)
Aylor, Roy C., Brightwood, Va. Chicken coop. 2,296,805; Sept. 22.
B. and F. Corporation. (See Bernstein, Samuel S., assignor.)
Babbitt, Frederick E., assignor to The Genwilmar Company, Inc., Red Bank, N. J. Switchboard cord bag. 2,296,759; Sept. 22.
Babcock, Dale F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydration of olefins. 2,296,696; Sept. 22.
Babcock, Roger S., Plainfield, and E. Meincke, Roselle Park, N. J., assignors to The Linde Air Products Company. Process of and apparatus for thermochemically working ferrous metal. 2,296,376; Sept. 22.
Babcock & Wilcox Company, The. (See Vicary, Edward H., assignor.)
Badders, Stanford C., and C. Farrell, Grenada, Miss., assignors, by mesne assignments, to National Silk Hosiery Mills, Inc., Indianapolis, Ind. Widening on flat knitting machines employing auxiliary yarn. 2,296,590; Sept. 22.
Bahan Textile Machinery Company. (See Nix, T. R., and Calvert, assignors.)
Bahls, Walter E., Watertown, Mass., assignor to Radio Corporation of America. Gaseous discharge device. 2,296,324; Sept. 22.
Bailey, Edmund J., Toledo, Ohio, assignor, by mesne assignments, to Petrolite Corporation, Ltd., Wilmington, Del. Electric process for desalting mineral oil. 2,296,239; Sept. 22.
Baird, Robert W. (See Straub, Constantine L., assignor.)
Baird, Stuart R. (See Breckenridge, F., Edwards, and Baird.)
Baird, Stuart R., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Laundry apparatus. 2,296,267; Sept. 22.
Bak, Alexander, Northampton, Mass. Control for hot water heaters. 2,296,325; Sept. 22.
Baker, Jerome W., and E. C. Ashley, assignors to C. M. McCord, Memphis, Tenn. Measuring chamber for metering fluids. 2,296,491; Sept. 22.
Baker, W. J., Co., The. (See Baker, W. J., and Konen, assignors.)
Baker, William J., and H. A. Konen, assignors to The W. J. Baker Co., Newport, Ky. Handle attachment means for baby walkers. 2,296,415; Sept. 22.
Baldeschwieler, Emile L. (See Gaylor, P. J., and Baldeschwieler.)
Balduf, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Building construction. 2,296,416; Sept. 22.
Baldwin Company, The. (See Benloff, Hugo, assignor.)
Baldwin-Hill Company. (See Evans, Alfred R., assignor.)
Baldwin Rubber Company. (See Cotterman, Don R., assignor.)
Ball & Ball Carburetor Company. (See Ball, Thomas M., assignor.)
Ball, Thomas M., assignor to Ball & Ball Carburetor Company, Detroit, Mich. Carburetor. 2,296,697; Sept. 22.
Barclay, Robert E., Chicago, Ill. Socket for high voltage gaseous discharge tubes. 2,296,326; Sept. 22.
Barish, Thomas, Jamestown, N. Y. Container. 2,296,327; Sept. 22.
Barnard, Robert D., assignor to Armour and Company, Chicago, Ill. Therapeutic compound. 2,296,377; Sept. 22.
Barnes, William A., Evansville, Ind., assignor to Dominion Electrical Manufacturing, Inc. Thermostatically controlled electric iron. 2,296,591; Sept. 22.
Barry, Gerald J., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Step-by-step switch. 2,296,760; Sept. 22.
Bartunek, Richard, Teltow-Seehof, Germany, and J. J. Stoeckly, Zurich, Switzerland, assignors to North American Rayon Corporation, New York, N. Y. Production of viscose. 2,296,378; Sept. 22.
Bassick Company, The. (See Claud-Mantle, Arthur, assignor.)
Bates, William F., Bakersfield, and C. A. Yeatman, Los Angeles, assignors to Shell Development Company, San Francisco, Calif. Method and equipment for moving drilling rigs. 2,296,659; Sept. 22.
Bauerschmidt, Karl F. (See Bowman, Samuel G., assignor.)

Baxter, William C., and H. E. Stonebraker, assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's folding combination bath stand and dressing table. 2,296,592; Sept. 22.

Bays, George S., Jr., Baytown, and J. L. Franklin, Jr., Goose Creek, Tex., assignors to Standard Oil Development Company. Refining mineral oils. 2,296,417; Sept. 22.

Beckers, William G., Bolton, N. Y. Container for medicament substance or the like. 2,296,761; Sept. 22.

Beekhuis, Herman A., Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Absorption of nitrogen peroxide. 2,296,328; Sept. 22.

Beekhuis, Herman A., Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Production of chlorine and a nitrate from nitrogen peroxide and a chloride. 2,296,762; Sept. 22.

Beekhuis, Herman A., Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Production of chlorine and metal nitrate. 2,296,763; Sept. 22.

Begley, William E., Sr., Alton, Ill. Leakproof check or pump valve. 2,296,492; Sept. 22.

Bell, Angus S., and J. R. Wylde, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of yarn. 2,296,329; Sept. 22.

Bell Telephone Laboratories, Incorporated. (See Hearn, John F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Kinsburg, Boris J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Kleinwelder, Walter C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Melhose, Alfred E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Reier, G. C., and Tradup, assignors.)

Bendix Aviation Corporation. (See Hruska, Howard E., assignor.)

Bendix Aviation Corporation. (See Mayrath, Thomas L., assignor.)

Bendix Aviation Corporation. (See Neuner, Martin, assignor.)

Benioff, Hugo, La Canada, Calif., assignor to The Baldwin Company, Cincinnati, Ohio. Piano string support. 2,296,698; Sept. 22.

Bennett, James A. J., Esher, England, assignor to Autogiro Company of America, Willow Grove, Pa. Aircraft with sustaining rotors. 2,296,250; Sept. 22.

Bennett, James A. J., Esher, England, assignor to Autogiro Company of America, Willow Grove, Pa. Aircraft with sustaining rotors. 2,296,251; Sept. 22.

Berg, Henry W., Cleveland, Tenn. Safety razor. 2,296,461; Sept. 22.

Bergstrom, Carl N., Portland, Oreg. Collapsible garment hanger. 2,296,624; Sept. 22.

Bernstein, Samuel S., Los Angeles, Calif., assignor to B. and F. Corporation. Stapling machine. 2,296,493; Sept. 22.

Beryllium Corporation, The. (See Corson, Michael G., assignor.)

Betts, Thomas C., Bronxville, assignor to Electrolux Corporation, New York, N. Y. Suction nozzle. 2,296,462; Sept. 22.

Bierer, John M. (See Smith, J. N., and Bierer.)

Bird, Anthony, and C. J. Strebel, assignors to General Hardware Mfg. Co., Chicago, Ill. Venetian blind bracket. 2,296,625; Sept. 22.

Biser, Charles E., Selma, Ala., assignor of forty per cent to T. W. Dansby. Animal poke. 2,296,593; Sept. 22.

Bitler, Henry H., Moylan, Pa., assignor to American Viscose Corporation, Wilmington, Del. Staple fiber cutting mechanism. 2,296,252; Sept. 22.

Bitler, Henry H., Moylan, Pa., assignor to American Viscose Corporation, Wilmington, Del. Staple fiber cutting mechanism. 2,296,253; Sept. 22.

Blais, Robert E., and G. U. Le Moine, Amesbury, Mass. Surgical instrument. 2,296,594; Sept. 22.

Blau, Ludwig W., Houston, Tex., assignor to Standard Oil Development Company. Gravity balance. 2,296,330; Sept. 22.

Blaw-Knox Company. (See Bushnell, James E., assignor.)

Bledsoe, Charles W., Lake James, Ind. Card holder for key chains. 2,297,285; Sept. 22.

Bliss, E. W., Company, et al. (See Morgan, M., and Nash, assignors.)

Blizard, John, Garden City, assignor to Foster Wheeler Corporation, New York, N. Y. Steam generator. 2,296,254; Sept. 22.

Block, Edward, assignor to Blockson Chemical Co., Joliet, Ill. Manufacture of anhydrous di-calcium phosphate. 2,296,494; Sept. 22.

Block, Edward, assignor to Blockson Chemical Co., Joliet, Ill. Manufacture of anhydrous mono-calcium phosphate. 2,296,495; Sept. 22.

Blockson Chemical Co. (See Block, Edward, assignor.)

Bloom, Frederick S., Mount Lebanon, Pa. Industrial furnace and firing apparatus. 2,296,255; Sept. 22.

Bloom, Frederick S., Mount Lebanon, Pa. Industrial furnace and firing apparatus. 2,296,256; Sept. 22.

Blum, Arthur N., Philadelphia, Pa. Chain saw. 2,296,240; Sept. 22.

Blum, Arthur N., Philadelphia, Pa. Pulpwood saw frame. 2,296,241; Sept. 22.

Blumlein, Alan Dower, Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Signal amplifying system. 2,296,626; Sept. 22.

Bögemann, Max, Cologne-Mulheim, and J. Nelles, Leverkusen-Schlebusch, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Softeners for halogen-containing high-molecular weight, organic compounds. 2,296,331; Sept. 22.

Booty, Philip C. P., Chicago, Ill. Tooth powder dispenser and refill. 2,296,595; Sept. 22.

Borg-Warner Corporation. (See Nutt, Harold, assignor.)

Borg-Warner Corporation. (See Reed, Harold V., assignor.)

Bortin, Aaron W., Roslyn, N. Y. Oxygen administering apparatus. 2,296,496; Sept. 22.

Boston Woven Hose and Rubber Company. (See Smith, J. N., and Bierer, assignors.)

Bouchard, Frank M. (See Quiggle, C. W., and Bouchard.)

Bourdelais, George A., Sr., Wallingford, Pa., and E. N. Noyes, Corpus Christi, Tex., assignor to Bourdelais Products Company, Wallingford, Pa. Interlocking block. 2,296,699; Sept. 22.

Bourdelais Products Company. (See Bourdelais, G. A., Sr., and Noyes.)

Bowan, Walter J. (See Muller, F. H., and Bowan.)

Bowers, Thomas A., Mattapoisett, assignor to Power Research Corporation, Boston, Mass. Closed piston ring. 2,296,332; Sept. 22.

Bowers, Thomas A., Mattapoisett, assignor to Power Research Corporation, Boston, Mass. Sealing ring means. 2,296,333; Sept. 22.

Bowers, Thomas A., Mattapoisett, assignor to Power Research Corporation, Boston, Mass. Resilient piston ring. 2,296,334; Sept. 22.

Bowers, Thomas A., assignor to Power Research Corporation, Boston, Mass. Making oil rings. 2,296,463; Sept. 22.

Bowman, Samuel G., Mount Lebanon, assignor of one-half to K. F. Bauerschmidt, Knoxville, Pa. Ice creeper. 2,296,660; Sept. 22.

Bowness, Edward. (See Butler, L. F. G., Briggs, and Bowness.)

Braden, Rene A., Collingswood, N. J., assignor to Radio Corporation of America. Magnetic flux regulator. 2,296,764; Sept. 22.

Brady, David R., Highland Park, assignor to D. R. Brady, and J. W. Davis, as joint trustees for Brady Research Company, Detroit, Mich. Athletic protector. 2,296,335; Sept. 22.

Brady Research Company. (See Brady, David R.)

Branscom, Arthur J., Houston, Tex. Payroll record. 2,296,497; Sept. 22.

Branstetter, Bertha W. (See Branstetter, Herman F. and B. W.)

Branstetter, Herman F. and B. W., Hendersonville, N. C. Retail marketing device. 2,296,700; Sept. 22.

Brash, Alfred, et al. (See Oyston, W. R., and Cloudsley, assignors.)

Brassert, Herman A., assignor to Minerals and Metals Corporation, New York, N. Y. Manufacture of metal products. 2,296,498; Sept. 22.

Breckenridge, Frank, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Apparatus for washing fabrics or the like. 2,296,257; Sept. 22.

Breckenridge, Frank, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company East Pittsburgh, Pa. Cleaning fabrics or the like. 2,296,258; Sept. 22.

Breckenridge, Frank, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Laundry apparatus. 2,296,259; Sept. 22.

Breckenridge, Frank, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Apparatus for washing fabrics or the like. 2,296,260; Sept. 22.

Breckenridge, Frank, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cleaning apparatus. 2,296,263; Sept. 22.

Breckenridge, Frank, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Laundry apparatus. 2,296,264; Sept. 22.

Breckenridge, Frank, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Liquid mixing device. 2,296,266; Sept. 22.

Breckenridge, Frank, H. E. Edwards, and S. R. Baird, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Laundry apparatus. 2,296,261; Sept. 22.

Breckenridge, Frank, and E. K. Clark, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Washing apparatus. 2,296,262; Sept. 22.

Brewer, Nicholas L., East Longmeadow, Mass., assignor to Savage Arms Corporation, New York, N. Y. Firearm. 2,286,242; Sept. 22.

Briggs, Ernest. (See Butler, L. F. G., Briggs, and Bowness.)

Bristol Aeroplane Company Limited, The. (See Butler, L. F. G., Briggs, and Bowness, assignors.)

Brost, Robert V., Chicago, Ill. Stereoscopic display device. 2,296,765; Sept. 22.

Brown, George R., Stratford, Conn., assignor to General Electric Company. Time lag fuse. 2,296,627; Sept. 22.

Brown Instrument Company, The. (See Wannamaker, W. H., and Keeler, assignors.)

Brown, Joseph H., Brooklyn, N. Y. Framing. 2,296,596; Sept. 22.

Brown, Robert, New York, N. Y. Rubber substitute and manufacturing same. 2,296,464; Sept. 22.

Bruno Patents Inc. (See Bruno, William A., assignor.)

Bruno, William A., Astoria, Long Island, assignor, by mesne assignments, to Bruno Patents Inc., Long Island City, N. Y. Coupling means for coaxial cables. 2,296,766; Sept. 22.

Brunswick-Balke-Collender Company, The. (See Kennedy, Robert E., assignor.)

Büchi, Alfred, Winterthur, Switzerland. Charging device for internal combustion engines. 2,296,268; Sept. 22.

Buckholdt, Robert E. (See Keener, S. F., and (Buckholdt, assignor).)

Buckholdt, Robert E., assignor to Salem Engineering Company, Salem, Ohio. Apparatus for heating metal objects. 2,296,806; Sept. 22.

Buergin, Donald B. (See Foehrenbach, A. F., Buergin, and MacLeod.)

Buetow, Carl H., St. Paul, Minn. Metal flashing strip. 2,296,499; Sept. 22.

Buettner, Adam. (See Michael, W., and Buettner.)

Bush Manufacturing Company, The. (See Peterson, Hans P., assignor.)

Bushnell, James E., Aspinwall, assignor to Blaw-Knox Company, Pittsburgh, Pa. Indicator for finishing-machine screeds. 2,296,418; Sept. 22.

Butler, Leonard F. G., E. Briggs, and E. Bowness, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Gas turbine. 2,296,701; Sept. 22.

Butler, Leonard F. G., E. Briggs, and E. Bowness, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Gas turbine. 2,296,702; Sept. 22.

Butler, Leonard F. G., E. Briggs, and E. Bowness, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Gas turbine. 2,296,703; Sept. 22.

Cain, Harry, Denver, Colo. Weed exterminator. 2,296,500; Sept. 22.

Calvert, James H. (See Nix, T. R., and Calvert.)

Camp, Eugene V., Atlanta, Ga. Traffic guard. 2,296,419; Sept. 22.

Campbell, Lester, assignor to Foster Machine Company, Westfield, Mass. Yarn package. 2,296,420; Sept. 22.

Campbell, Lester, assignor to Foster Machine Company, Westfield, Mass. Winding apparatus. 2,296,421; Sept. 22.

Carl, Byron E., Portland, Oreg. Apparatus for treating metallic oxides. 2,296,422; Sept. 22.

Carlisle, William A., Sr. (See Goss, Worth C., assignor.)

Carlson, Clarence J., Marshalltown, Iowa. Cultivator appliance for tractors. 2,296,501; Sept. 22.

Carlson, John T., Dayton, Ohio, assignor to The Master Electric Company. Temperature regulating system. 2,296,704; Sept. 22.

Carnegie-Illinois Steel Corporation. (See Emerson, Charles O., assignor.)

Carr, Bernard J., San Bernardino, Calif. Tool holder. 2,296,597; Sept. 22.

Caryl, Coleman R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Detergent composition. 2,296,767; Sept. 22.

Cavaler, Paul, Detroit, Mich. Marshall spring unit. 2,296,807; Sept. 22.

Celanese Corporation of America. (See Bell, A. S., and Wylde, assignors.)

Celanese Corporation of America. (See Croft, Cyril M., assignor.)

Central Soya Company et al. (See Kruse, N. F., O. Mann, Kraybill, and Eldridge, assignors.)

Chaplin Corporation. (See Chaplin, Merle P., assignor.)

Chaplin, Merle P., assignor to Chaplin Corporation, South Portland, Maine. Reinforced molded fiber container. 2,296,808; Sept. 22.

Charbonneau, Camille L., Fairhaven, Mass. Locomotive. 2,296,465; Sept. 22.

Chenicek, Albert G. (See Pollack, M. A., and Chenicek.)

Childress, Lee R., Silver City, N. Mex. Drill attachment. 2,296,705; Sept. 22.

Chrysler Corporation. (See Hawkins, William M., Jr., assignor.)

Chrysler Corporation. (See Huebner, George J., Jr., assignor.)

Chrysler Corporation. (See Matulaitis, Victor E., assignor.)

Chrysler Corporation. (See Wallace, David A., assignor.)

Clark, Earl K. (See Breckenridge, F., and Clark.)

Clark, Louis F., Montebello, Calif. Recovering iron and aluminum compounds. 2,296,423; Sept. 22.

Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Hood control for motor cars. 2,296,424; Sept. 22.

Cloudsley, John L., et al. (See Oyston, W. R., and Cloudsley, assignors.)

Cochran, Charles W., assignor to Continental Oil Company, Ponca City, Okla. Rotary engine. 2,296,768; Sept. 22.

Cole, John W. (See Julian, P. L., and Cole.)

Cole, Paul M., Meadville, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Article handling apparatus. 2,296,425; Sept. 22.

Continental Oil Company. (See Cochran, Charles W., assignor.)

Cook, William D., Detroit, Mich., assignor to Phillips Petroleum company. Dispensing volatile liquids. 2,296,598; Sept. 22.

Coppock, Kenneth E., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Arm rest. 2,296,628; Sept. 22.

Coppock, Kenneth E., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Foot scraper. 2,296,629; Sept. 22.

Corning Glass Works. (See Hinkley, R. A., and Wellech, assignors.)

Corning Glass Works. (See Wellech, Edmund H., assignor.)

Corson, Michael G., New York, N. Y., assignor to The Beryllium Corporation, Temple, Pa. Copper-zinc alloy. 2,296,706; Sept. 22.

Costello, Frank J., assignor to Federal Tin Company, Incorporated, Baltimore, Md. Hinged plug-cover for containers. 2,296,599; Sept. 22.

Cotterman, Don R., assignor to Baldwin Rubber Company, Pontiac, Mich. Manufacturing floor mats. 2,296,502; Sept. 22.

Coutant, Jay G., New York, N. Y. Steam generating system. 2,296,426; Sept. 22.

Cowles, Laurence G. (See Wolf, A., and Cowles.)

Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Preparation of abietic acid. 2,296,503; Sept. 22.

Cox & Stevens Aircraft Corporation. (See Thurston, Arthur L., assignor.)

Cox, William P., assignor to The Timken Roller Bearing Company, Canton, Ohio. Car truck. 2,296,769; Sept. 22.

Cox, William P., assignor to The Timken Roller Bearing Company, Canton, Ohio. Car truck. 2,296,770; Sept. 22.

Craig, Palmer H., Shaker Heights, and L. C. Herman, South Euclid, Ohio, assignor to Invex Corporation. Photoelectric electronic tube. 2,296,269; Sept. 22.

Crater, Willard De C., Newark, assignor to Hercules Powder Company, Wilmington, Del. Blasting plug. 2,296,504; Sept. 22.

Crawford, Robert B., and M. L. Mather, Miami, Fla. Rail transportation system. 2,296,771; Sept. 22.

Cresswell, Charles T., Montreal, Quebec, Canada. Double glazed window. 2,296,243; Sept. 22.

Crist, Jere E., Akron, Ohio. Cigarette making device. 2,296,772; Sept. 22.

Croft, Cyril M., Cumberland, Md., assignor to Celanese Corporation of America. Textile material. 2,296,379; Sept. 22.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Wave control and control circuits. 2,296,630; Sept. 22.

Cross, Ralph E., Detroit, Mich. Gear tooth chamfering machine. 2,296,270; Sept. 22.

Crossett Lumber Company. (See Toney, Willard, assignor.)

Croston, John A., Parkland, Wash. Gauge. 2,296,707; Sept. 22.

Crozier, Edward G., deceased, by R. G. Crozier, Munhall, and Monongahela Trust Company, Homestead, executors, and R. P. Pennoyer, Pittsburgh, Pa.; said executors of E. G. Crozier, assignors to R. G. Crozier, Marietta, Ohio. Splice for structural shapes. 2,296,336; Sept. 22.

Crozier, Rhea G. (See Crozier, Edward G.)

Cummings, John S., Brooklyn, assignor to Interchemical Corporation, New York, N. Y. Coating composition. 2,296,337; Sept. 22.

Cuneo, John F., Company. (See Petersen, Otto B., assignor.)

Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,296,816; Sept. 22.

Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,296,818; Sept. 22.

Cutler-Hammer, Inc. (See Giard, Eugene A., assignor.)

Cutler-Hammer, Inc. (See Kuhn, Clarence W., assignor.)

Daggett, Clyde C., assignor to The De Vilbiss Company, Toledo, Ohio. Pocket type atomizer. 2,296,773; Sept. 22.

Dahl, Magnus G., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric switch contact mounting. 2,296,809; Sept. 22.

Dahlman, Eben D., Grandy, Minn. Elevator unit for conveyers. 2,296,810; Sept. 22.

Dakin, Morrill, Concord, N. H., assignor to General Motors Corporation, Dayton, Ohio. Safety helmet. 2,296,338; Sept. 22.

Dames, Trent R., Pasadena, and W. W. Moore, San Marino, Calif. Determining driven friction pile capacities. 2,296,466; Sept. 22.

Daniel, Walter, and M. Otto. Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Jasco, Incorporated. Producing aqueous dispersions of polyisobutylene. 2,296,427; Sept. 22.

Daniels, Frederick A., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Automatic doffing apparatus. 2,296,339; Sept. 22.

Dansby, T. W. (See Biser, Charles E., assignor.)

Davidson, Arthur C., Canton, Conn.; A. C. Davidson, executrix of said A. C. Davidson, deceased. Method of and apparatus for heat treating. 2,296,380; Sept. 22.

Davidson, Avis C., executrix. (See Davidson, Arthur C.)

Davis, J. Windsor, trustee, et al. (See Brady, David R., assignor.)

Dawson, George A., Stelton, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Color forming development and photographic compositions containing color forming compounds. 2,296,271; Sept. 22.

Dayton Rubber Mfg. Company, The. (See Relling, Victor G., assignor.)

Dearborn Chemical Company. (See Hinsch, Walter H., assignor.)

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,296,600; Sept. 22.

De Nicola, John, Paterson, N. J. Gas lighter for range oil burners. 2,296,774; Sept. 22.

De Sherbinin, William N., Mount Kisco, N. Y. Film file. 2,296,272; Sept. 22.

Despatch Shops, Inc. (See Dunham, William C., assignor.)

Devereaux, William C., Detroit, Mich. Window regulator construction. 2,296,811; Sept. 22.

De Vilbiss Company, The. (See Daggett, Clyde C., assignor.)

Dickason, Marvin M., Houston, assignor to J. A. Parker, Harris County, Tex. Liquid level gauge. 2,296,812; Sept. 22.

Diehl, Kent B., Houston, Tex., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Cement mixer and regulator. 2,296,505; Sept. 22.

Dittmer, Carl E., Michigan City, Ind., assignor to Sullivan Machinery Company. Drilling apparatus. 2,296,273; Sept. 22.

Ditto, Incorporated. (See Kokay, Stephen, assignor.)

Ditto, Incorporated. (See Neal, Morris P., assignor.)

Doane, Harry C., Flint, assignor to General Motors Corporation, Detroit, Mich. Headlight connector. 2,296,631; Sept. 22.

Docker, William M., Kenora, Ontario, Canada. Utility rack. 2,296,506; Sept. 22.

Dockson, Charles H., Detroit, Mich. Respirator frame. 2,296,775; Sept. 22.

Dominion Electrical Manufacturing, Inc. (See Barnes, William A., assignor.)

Donaldson, Glen E., Laurens, Iowa. Vehicle lifting device. 2,296,507; Sept. 22.

Dorsett, William C., assignor to Petroleum Conversion Corporation, Elizabeth, N. J. Cracking and reforming system. 2,296,601; Sept. 22.

Douglas, John F. H., Milwaukee, Wis. Alternating current motor. 2,296,776; Sept. 22.

Dow Chemical Company, The. (See McClurg, R. S., and Dulmage, assignors.)

Dragert, Clarence H., New York, N. Y. Mirror and making the same. 2,296,602; Sept. 22.

Dugan, James N., Cincinnati, Ohio. Ventilated awning. 2,296,467; Sept. 22.

Dulmage, Frederick C., Jr. (See McClurg, R. S., and Dulmage.)

Dunham, William C., Fairport, N. Y., assignor to Despatch Shops, Inc. Side door construction for dry ice service refrigeration cars. 2,296,813; Sept. 22.

Du Pont, E. I., de Nemours & Co. (See Austin, P. R., and Frank, assignors.)

Du Pont, E. I., de Nemours & Co. (See Babcock, Dale F., assignor.)

Du Pont E. I., de Nemours & Company. (See Daniels, Frederick A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Dawson, George A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hanahan, Marion L., assignor.)

Du Pont, E. I., de Nemours & Company. (See Meloon, Daniel T., assignor.)

Du Pont, E. I., de Nemours & Company. (See Patterson, Gordon D., assignor.)

Durant, Lyndon A. (See Williams, H. E., and Durant.)

Dutch, Emery, New York, N. Y. Water protection of pressure governors for pipe lines. 2,296,428; Sept. 22.

Earle, Ralph H., Wauwatosa, assignor to Line Material Company, Milwaukee, Wis. Circuit interrupting device. 2,296,708; Sept. 22.

Eastman Kodak Company. (See Peterson, Willard D., assignor.)

Eastman Kodak Company. (See Yule, John A. C., assignor.)

Eaton Manufacturing Company. (See McDonald, Charles B., assignor.)

Ebert, Edward A., Buffalo, N. Y. Clothes sprinkler. 2,296,814; Sept. 22.

Eckert, Albin F., Dayton, Ohio. Game scoring apparatus. 2,296,508; Sept. 22.

Edwards, Hilbert E. (See Breckenridge, F., Edwards, and Baird.)

Eldridge, Kenneth E. (See Kruse, N. F., Oberg, Mann, Kraybill, and Eldridge.)

Electric & Musical Industries Limited. (See Blumlein, Alan D., assignor.)

Electrolux Corporation. (See Betts, Thomas C., assignor.)

Electrolux Corporation. (See Ell, Lars J. F., assignor.)

Electrolux Corporation. (See Lampe, Robert C., assignor.)

Elias, Albert I. (See Horowitz, Oskar, assignor.)

Ell, Lars J. F., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,296,429; Sept. 22.

Elton, Carey F., Gadsden, Ala. Tonoscope. 2,296,777; Sept. 22.

Emanuel, Benjamin D., Anderson, Ind. Battery assembly. 2,296,778; Sept. 22.

Emerson, Charles O., assignor to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Portable deck 2,296,779; Sept. 22.

Engholdt, Richard K., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Control switch. 2,296,381; Sept. 22.

Enos, John P., Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine hemmer. 2,296,500; Sept. 22.

Erb, George C., Forest Hills, assignor to American Can Company, New York, N. Y. Container. 2,296,430; Sept. 22.

Eskin, Samuel G., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Safety control apparatus for gaseous fuel burners. 2,296,340; Sept. 22.

Estes, Phillip H., Rutherford, assignor to The Western Union Telegraph Company, New York, N. Y. Electromagnetic relay structure. 2,296,431; Sept. 22.

Etten, Nicholas L., Waterloo, Iowa. Wringer release. 2,296,780; Sept. 22.

Evans, Alfred R., Milford, Conn., assignor to Baldwin-Hill Company, Trenton, N. J. Demonstrating device. 2,296,815; Sept. 22.

Evans, H. C., & Co. (See Schuyler, Clarence A., assignor.)

F. W. H. Associates. (See Hunyady, Frank W., assignor.)

Facione, Ross. (See Fella, John, assignor.)

Falge, Robert N., Anderson, Ind., and C. E. Wade, Sturgis, Mich.; said Falge assignor to General Motors Corporation, Detroit, Mich. Connector. 2,296,632; Sept. 22.

Falge, Robert N., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Headlight connector. 2,296,633; Sept. 22.

Farny, Cyril, St. Charles, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Making plywood tubing. 2,296,781; Sept. 22.

Farrell, Charles. (See Badders, S. C., and Farrell.)

Federal Product Corporation. (See Tanner, Frederick C., assignor.)

Federal Tin Company, Inc. (See Costello, Frank J., assignor.)

Feist, John H., New York, N. Y. Slide fastener. 2,296,468; Sept. 22.

Feldman, Jacob C., Boston, assignor to New England Bedding Company, Medford, Mass. Outdoor furniture. 2,296,603; Sept. 22.

Fella, John, assignor of one-half to R. Facione, Detroit, Mich. Wrench. 2,296,604; Sept. 22.

Ferguson, William S., Shaker Heights, Ohio. Highway guard. 2,296,432; Sept. 22.

Fernholz, Erhard, Princeton, assignor to Merck & Co., Inc., Rahway, N. J. Oxidation products of α-tocopherol and preparing the same. 2,296,709; Sept. 22.

Field, Donald C. (See Sparks, W. J. and Field.)

Finch, Raymond C., Jamestown, assignor to Art Metal Construction Company, Jamestown, N. Y. Filing element. 2,296,244; Sept. 22.

Finch, Raymond C., assignor to Art Metal Construction Company, Jamestown, N. Y. Filing element. 2,296,245; Sept. 22.

Finch, William G. H., Newtown, Conn. Facsimile recorder. 2,296,274; Sept. 22.

Fink, George I., Far Rockaway, N. Y. Eyeshield. 2,296,634; Sept. 22.

Fischer, Aaron, St. Louis County, Mo., assignor, by mesne assignments, to Universal Match Corporation, New York, N. Y. Match book. 2,296,510; Sept. 22.

Fischer, Earl K., Long Island City, E. G. Gluck, Jackson Heights, and W. B. Reynolds, Elmhurst, assignors to Interchemical Corporation, New York, N. Y. Dispersion of hydrophile pigments. 2,296,382; Sept. 22.

Fischer, Frederick K., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High pressure sealing head. 2,296,710; Sept. 22.

Fischer, Herbert C., Wellesley Hills, and A. H. W. Higgins, Brookline, Mass. Panel coupling device. 2,296,782; Sept. 22.

Fleming, William W. (See Weisbecker, F. G., and Fleming.)

Foehrenbach, Arthur F., and D. B. Buergin, Canton, and D. K. Macleod, Wooster, assignors to Republic Steel Corporation, Cleveland, Ohio. Ventilator. 2,296,635; Sept. 22.

Food Machinery Corporation. (See Magnuson, Roy M., assignor.)

Food Machinery Corporation. (See Marsden, George P., assignor.)

Food Machinery Corporation. (See Paxton, Walter H., assignor.)

Ford, J. B., Company, The. (See Soderberg, Paul W., assignor.)

Forgy, Lorin, Beloit, Kans. Plow. 2,296,605; Sept. 22.

Foster Machine Company. (See Campbell, Lester, assignor.)

Foster Wheeler Corporation. (See Blizard, John, assignor.)

Fourness, Charles A., Appleton, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Sanitary napkin. 2,296,341 Sept. 22.

Frank, Charles E. (See Austin, Paul R., and Frank.)

Franklin, Joel L. Jr. (See Bays, G. S. Jr., and Franklin, Jr.)

Frey, Delton R., East Cleveland, and A. K. Smith, Shaker Heights, assignors to The Lubri-Zol Corporation, Wickliffe, Ohio. Corrosion inhibitor. 2,296,433; Sept. 22.

Frey, Frederick E., Bartlesville, Okla., P. A. McKinney, Pittsburgh, Pa., and W. H. Wood, Cleveland, Ohio, assignors to Phillips Petroleum Company. Producing paraffinic oils. 2,296,511; Sept. 22.

Frey, Frederick E., Bartlesville, Okla., P. V. McKinney, Pittsburgh, Pa., and W. H. Wood, Cleveland, Ohio, assignors to Phillips Petroleum Company. Producing paraffinic oils. 2,296,512; Sept. 22.

Gabrielsen, Christian, Belleville, N. J., assignor to Rowe Manufacturing Co., Inc., New York, N. Y. Vending machine. 2,296,246; Sept. 22.

Gaffney, Charles E., Lexington, Mass. Latch operating mechanism. 2,296,606; Sept. 22.

Gair, A. Jensenia, et al. (See Gair, Blair W., assignor.)

Gair, Blair W., assignor of thirty-three and one-third per cent to A. J. Gair and thirty-three and one-third per cent to E. H. Gair, Brooklyn, N. Y. Infusion apparatus especially adapted for brewing coffee. 2,296,607; Sept. 22.

Gair, Estella H., et al. (See Gair, Blair W., assignor.)

Gans, David M., Bronx, assignor to Interchemical Corporation, New York, N. Y. Dispersing hydrophilic pigments. 2,296,383; Sept. 22.

Garland, Mather. (See Greer, E. R., and Garland.)

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,296,817; Sept. 22.

Gaskell, Joseph, St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for feeding glass to rolling machines. 2,296,711; Sept. 22.

Gately, Stephen R., Syracuse, Nebr. Cutter head for feed grinders. 2,296,608; Sept. 22.

Gates, William E. F. (See Renfrew, A., and Gates.)

Gavatin, Eskil J., and B. Steiger, Stockholm, Sweden. Producing rubber films or deposits. 2,296,513; Sept. 22.

Gaylor, Peter J., Union, and E. L. Baldeschwieler, Cranford, N. J., assignors to Standard Oil Development Company. Stable breaking-in oil. 2,296,342; Sept. 22.

Gear Grinding Machine Company, The. (See Mustonen, Reino H., assignor.)

Geier, P. A., Company, The. (See Kasper, Elmer J., assignor.)

Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)

General Aniline & Film Corporation. (See Bögemann, M., and Nelles, assignors.)

General Control Company. (See Smiley, Gilbert, assignor.)

General Electric Company. (See Brown, George R., assignor.)

General Electric Company. (See Hewlett, Clarence W., assignor.)

General Electric Company. (See Kearsley, William K., assignor.)

General Electric Company. (See Koller, Lewis R., assignor.)

General Electric Company. (See McLenegan, David W., assignor.)

General Electric Company. (See Thumin, Carl, assignor.)

General Electric Company. (See Wade, Elmer J., assignor.)

General Hardware Mfg. Co. (See Bird, A., and Strebel, assignors.)

General Industries Company, The. (See van der Woude, Fritz R., assignor.)

General Motors Corporation. (See Coppock, Kenneth E., assignor.)

General Motors Corporation. (See Dakin, Morrill, assignor.)

General Motors Corporation. (See Doane, Harry C., assignor.)

General Motors Corporation. (See Falge, Robert N., assignor.)

General Motors Corporation. (See Falge, R. N., assignor), and Wade.)

General Motors Corporation (See Humer, Frank, assignor.)

General Motors Corporation. (See McCormack, Alex A., assignor.)

General Motors Corporation. (See McEwan, Eugene E., assignor.)

Genwilmar Company, The. (See Babbitt, Frederick E., assignor.)

Ghelardi, Robert A., and P. M. Hulme, Metuchen, N. J., assignors to International Smelting and Refining Company. Production of gases for metallurgical and like operations. 2,296,434; Sept. 22.

Ghez, Henry and O., Paris, France, assignors to "Sudamericana De Patentes" SA, Panama City, Panama. Caoutchouc regeneration. 2,296,275; Sept. 22.

Ghez, Oscar. (See Ghez, Henry and O.)

Giard, Beatrice L., administratrix. (See Giard, Eugene A.)

Giard, Eugene A., deceased, by B. L. Giard, special administratrix, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Pressure responsive element of the wafer type. 2,296,435; Sept. 22.

Gibson, Clair J., Los Angeles, Calif. Brush for cleaning perforated casing. 2,296,514; Sept. 22.

Gibson, Oliver E., Chicago, and W. M. McNeil, Wheaton, assignors to United States Gypsum Company, Chicago, Ill. Building construction. 2,296,609; Sept. 22.

Glasser, Albert A., Los Angeles, Calif. Brassière. 2,296,343; Sept. 22.

Glidden Company, The. (See Julian, P. L., and Cole, assignors.)

Gluck, Eugene G., et al. (See Fischer, E. K., Gluck, and Reynolds.)

Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. System for transmitting angular motion. 2,296,436; Sept. 22.

Golden, Bertie C., Reidsville, N. C., assignor to Millhiser Bag Company, Inc., Richmond, Va. Bag stringing machine. 2,296,783; Sept. 22.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Calculating machine. 2,296,276; Sept. 22.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,296,277; Sept. 22.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Calculating machine. 2,296,278; Sept. 22.

Goodwin, George I., Detroit, Mich. Clutch plate. 2,296,515; Sept. 22.

Goss, Worth C., assignor to W. A. Carlisle, Sr., Seattle, Wash. Briquette press. 2,296,516; Sept. 22.

Graesser, David A., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rotary hook for sewing machines. 2,296,661; Sept. 22.

Grant, Francis R., and T. A. Tennyson, assignors to Lion Oil Refining Company, El Dorado, Ark. Laminated product. 2,296,712; Sept. 22.

Grassick, Daniel A., Los Angeles, Calif. Lift truck. 2,296,610; Sept. 22.

Gratz, Wm. R., Co. (See Peterson, Walter M., assignor.)

Gray, Kenneth R. (See Schlosser, P. H., and Gray.)

Green, Taylor, Sarasota, Fla. Article handling apparatus. 2,296,611; Sept. 22.

Green, Walter H., Chicago, Ill., assignor to Infilco Incorporated. Liquid flow control. 2,296,247; Sept. 22.

Green, Walter, H., assignor to Infilco, Inc., Chicago, Ill. Water treatment and apparatus. 2,296,437; Sept. 22.

Green, William F., assignor to Valley Shoe Corporation, St. Louis, Mo. Trimming machine. 2,296,517; Sept. 22.

Greenaway, John N., Jr., Hanover, Pa. Winding spindle. 2,296,662; Sept. 22.

Greenberg, Morris. (See Wax, J., and Greenberg.)

Green's Fuel, Incorporated. (See Jones, Nelson M., assignor.)

Greer, Edward R., Wayzata, and M. Garland; said Garland assignor to Roto Wing Company, Mound, and said Greer assignor to Imperial Machine Company, Minneapolis, Minn. Driving connection with focusing mechanism. 2,296,518; Sept. 22.

Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Flame hardening head. 2,296,612; Sept. 22.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,296,519; Sept. 22.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,296,520; Sept. 22.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,296,521; Sept. 22.

Gruber, Martin, Brooklyn, N. Y., assignor to Radio Corporation of America. Thimble tape presser and cutter. 2,296,663; Sept. 22.

Gruender, Oscar C., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Feeding gyratory crushers. 2,296,280; Sept. 22.

Gruender, Oscar C., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Feeding gyratory crushers. 2,296,281; Sept. 22.

Guercio, Joseph, Chicago, Ill. Picture projecting machine. 2,296,344; Sept. 22.

Gump, B. F., Co. (See Naeher, Paul, assignor.)

Gustavson, Alvin N., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machine. 2,296,613; Sept. 22.

Guy, Albert N., Manhasset, assignor to United States Rubber Company, New York, N. Y. Sales display service. 2,296,345; Sept. 22.

H. K. Metal Craft Manufacturing Corp. (See Hopp, A., and Martin, assignors.)

Hale, Paxton. (See Hale, Walter H.)

Hall, Wayne L., assignor to Zellerbach Paper Company, San Francisco, Calif. Forming packages. 2,296,664; Sept. 22.

Halliburton Oil Well Cementing Company. (See Diehl, Kent B., assignor.)

Halter, Emma L., and A. J. Krier, Chicago, Ill. Pocket piece. 2,296,665; Sept. 22.

Hamilton, Miles H., Ann Arbor, Mich. Beam compass. 2,296,279; Sept. 22.

Hanahan, Marion L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. High surface hiding pigment materials and making the same. 2,296,636; Sept. 22.

Hanahan, Marion L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. High surface hiding pigment material and making the same. 2,296,637; Sept. 22.

Hanahan, Marion L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. High surface hiding pigment material and making the same. 2,296,638; Sept. 22.

Hanahan, Marion L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. High surface hiding pigment material and making the same. 2,296,639; Sept. 22.

Hanseli, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Relay system monitor. 2,296,384; Sept. 22.

Hansen, Odd A., Kenmore, assignor to The Linde Air Products Company, New York, N. Y. Rotary apparatus for pumping volatile liquids. 2,296,640; Sept. 22.

Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Phase-sequence relaying. 2,296,784; Sept. 22.

Hartley, James C., Norwalk, Conn., assignor, by mesne assignments, to Minerals and Metals Corporation, New York, N. Y. Reducing metallic oxides. 2,296,522; Sept. 22.

Hassler, John W., Tyrone, Pa., and H. H. Richards, Luke, Md., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Activating carbon. 2,296,438; Sept. 22.

Haupt, Hans, Berlin-Zehlendorf, Germany; vested in the Alien Property Custodian. Folding or collapsible umbrella. 2,296,666; Sept. 22.

Hawkins, William M., Jr., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Engine water circulating system. 2,296,641; Sept. 22.

Hayes Industries, Inc. (See Hollerith, Charles, assignor.)

Haynes, Lionel L., Bromsgrove, England. Fluid pressure creating device. 2,296,385; Sept. 22.

Hazel-Atlas Glass Company. (See Williams, John J., assignor.)

Hearn, John F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical terminal. 2,296,346; Sept. 22.

Hearne, George W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Liquid phase halo-substitution of partially halogenated unsaturated organic compounds. 2,296,614; Sept. 22.

Heberlein Patent Corporation. (See Wolf, Edgar, assignor.)

Helbush, Herman H., Los Angeles, and E. L. Lipp, Glendale, assignors to Hollywood Comb Curler, Inc., Los Angeles, Calif. Clamp applying tool. 2,296,439; Sept. 22.

Heller, Alfred, Bloomfield, N. J. Pot furnace for heat treating metal. 2,296,440; Sept. 22.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Chemical process. 2,296,386; Sept. 22.

Hemphill, Thomas N., Des Moines, Ia. Stop light circuit for automobiles. 2,296,667; Sept. 22.

Hennicke, William, Mannheim, Germany; vested in the Alien Property Custodian. Pulverulent fuel. 2,296,668; Sept. 22.

Henry, René A., Brussels, Belgium. Biological and simultaneous purification of waste liquors and their slimes. 2,296,523; Sept. 22.

Hercules Powder Company. (See Cox, Richard F. B., assignor.)

Hercules Powder Company. (See Crater, Willard De C., assignor.)

Heritage, Clark C., assignor to Wood Conversion Company, Cloquet, Minn. Treatment of flax straw. 2,296,524; Sept. 22.

Heritage, Clark C., Cloquet, Minn., and W. B. Jones, Chicago, Ill., assignors to Wood Conversion Company, Cloquet, Minn. Liner for cement and concrete forms. 2,296,553; Sept. 22.

Herman, Kenneth R., and L. Zimmermann, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,296,669; Sept. 22.

Herman, Lester C. (See Craig, P. H., and Herman.)

Hewlett, Clarence W., Schenectady, N. Y., assignor to General Electric Company. Photoelectric cell. 2,296,670; Sept. 22.

Higgins, Allan H. W. (See Fischer, H. C., and Higgins.)

Hinchman, Alva K., Bryn Mawr, Pa. Self-timing piston electric engine. 2,296,554; Sept. 22.

Hinkley, Ray A., and E. H. Wellech, assignors to Corning Glass Works, Corning, N. Y. Glass working apparatus. 2,296,347; Sept. 22.

Hinsch, Walter H., assignor to Dearborn Chemical Company, Chicago, Ill. Water treating apparatus. 2,296,713; Sept. 22.

Hoeflich, Victor T., assignor to American Merri-Lei Corporation, New York, N. Y. Mouthpiece for sound producing devices. 2,296,785; Sept. 22.

Hoeflich, Victor T., assignor to American Merri-Lei Corporation, New York, N. Y. Mouthpiece for sound-producing devices. 2,296,786; Sept. 22.

Hoey, William B., et al. (See Shaw, Clement D., assignor.)

Hollerith, Charles, assignor to Hayes Industries, Inc., Jackson, Mich. Wheel brake structure. 2,296,671; Sept. 22.

Hollywood Comb Curler, Inc. (See Helbush, H. H., and Lipp, assignors.)

Holterud, Selmer, Duluth, Minn. Submarine raising apparatus. 2,296,787; Sept. 22.

Hoover, Walter S., Montreal, Quebec, Canada. Propeller pitch control. 2,296,348; Sept. 22.

Hopp, Adolph, New York, N. Y., and R. H. Martin, Boston, Mass., assignors to H. K. Metal Craft Manufacturing Corp., New York, N. Y. Jacob's ladder. 2,296,441; Sept. 22.

Horowitz, Oskar, Brooklyn, assignor to A. I. Elias, New York, N. Y. Brazing flux composition. 2,296,442; Sept. 22.

Horstmann, Bevan G., Newbridge, Bath, England. Power transmission mechanism. 2,296,788; Sept. 22.

Hosiery Patents Incorporated. (See Weisbecker, Frank G., assignor.)

Houdaille-Hershey Corporation. (See Jandus, Herbert S., assignor.)

Hruska, Howard E., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,296,282; Sept. 22.

Hubert, Emil, Dessau-Ziebegk, and H. Ludewig, Jessnitz, Anhalt, Germany; vested in the Alien Property Custodian. Production of synthetic polyamides. 2,296,555; Sept. 22.

Huebner, George J., Jr., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,296,642; Sept. 22.

Hulme, Philip M. (See Ghelardi, R. A., and Hulme.)

Humer, Frank, assignor to General Motors Corporation, Detroit, Mich. Door handle and hinge assembly. 2,296,672; Sept. 22.

Hunt, Franklin B., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Method of and apparatus for supplying gas. 2,296,349; Sept. 22.

Hunyady, Frank W., assignor to F. W. H. Associates, Chicago, Ill. Brake mechanism. 2,296,673; Sept. 22.

Hydraulic Development Corporation, Inc., The. (See Muller, J. A., and Tucker, assignors.)

Ibbott, Harold W., assignor to Negretti & Zambra, London, England. Automatic control apparatus. 2,296,714; Sept. 22.

Ilmer, Louis, and V. R. Pallas, Cortland, N. Y.; said Pallas assignor to L. T. Pallas. Abrasive machine of the rotor type. 2,296,615; Sept. 22.

Imperial Chemical Industries Limited. (See Renfrew, A., and Gates, assignors.)

Imperial Machine Company. (See Greer, E. R., assignor, and Garland.)

Infilco Incorporated. (See Green, Walter H., assignor.)

Ingels, Clarence W., St. Albans, N. Y. Support for cameras or the like. 2,296,674; Sept. 22.

Inskeep, Harry V., Fanwood, N. J., and G. W. Patch, Jr., Kenmore, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Apparatus for heat treating. 2,296,387; Sept. 22.

Interchemical Corporation. (See Cummings, John S., assignor.)

Interchemical Corporation. (See Fischer, E. K., Gluck, and Reynolds, assignors.)

Interchemical Corporation. (See Gans, David M., assignor.)

International Cellucotton Products Company. (See Fourness, Charles A., assignor.)

International Smelting and Refining Company. (See Ghelardi, R. A., and Hulme, assignors.)

Invex Corporation. (See Craig, P. H., and Herman, assignors.)

Iowa State College Research Foundation. (See Stewart, George F., assignor.)

Jackson, Albert S. (See Allen, P. C. B., Wilske, McCormick, and Jackson.)

James Manufacturing Company. (See Olson, John B., assignor.)

Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Hand brake lever. 2,296,675; Sept. 22.

Jasco, Incorporated. (See Daniel, W., and Otto, assignors.)

Jasco, Incorporated. (See Otto, M., and Schneider, assignors.)

Jelen, Fredrick C., Anniston, Ala., assignor to Monsanto Chemical Company. Colloidal phosphates. 2,296,716; Sept. 22.

Jenkins, Alexander. (See Rowley, C. A., and Jenkins.)

Johnson, Austin S., Chicago, Ill. Pocket clothes brush. 2,296,525; Sept. 22.

Johnson, George, San Francisco, Calif. Wind funnel. 2,296,350; Sept. 22.

Johnson, William B., U. S. Army. Retractable auxiliary trailer wheel mounting. 2,296,789; Sept. 22.

Jones, Nelson M., assignor to Green's Fuel, Incorporated, Sarasota, Fla. Fuel-cooled internal combustion engine. 2,296,790; Sept. 22.

Jones, W. Bartlett. (See Heritage, C. C., and Jones.)

Johgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping uppers over lasts. 2,296,283; Sept. 22.

Julian, Percy L., Maywood, and J. W. Cole, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Preparing material having the physiological activity of the corpus luteum hormone. 2,296,284; Sept. 22.

Junkin, Malcolm P., Lansdowne, assignor to L. Wolf, Elkins Park, E. Wolf, Dresher, H. A. Wolf, Jenkintown, and W. L. Wolf, Rydal, copartners, doing business as National Metal Edge Box Company, Philadelphia, Pa. Mailing package. 2,296,556; Sept. 22.

Kahn, Joseph, Chicago, Ill. Loose leaf binder. 2,296,526; Sept. 22.

Kasper, Elmer J., assignor to The P. A. Geier Company, Cleveland, Ohio. Fan construction for suction cleaners and the like. 2,296,351; Sept. 22.

Kastler, E. L., Waukegan, Ill., assignor of one-half to P. S. Mantonya, Chicago, Ill. Trunk piston. 2,296,469; Sept. 22.

Kay Manufacturing Company. (See Krakauer, Abraham, assignor.)

Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Camera shutter and synchronizer testing. 2,296,676; Sept. 22.

Keelin, Warner L., Spokane, Wash. Rivet assembly. 2,296,470; Sept. 22.

Keeler, Earl A. (See Wannamaker, W. H., and Keeler.)

Keener, Sam F., and R. E. Buckholdt; said Buckholdt assignor to S. F. Keener, Salem, Ohio, doing business as Salem Engineering Company. Rotary furnace. 2,296,791; Sept. 22.

Keiser, Bernhard. (See De Groote, M., and Keiser.)

Keller, Theodore P., Houston, Tex. Concrete form. 2,296,352; Sept. 22.

Kennedy, Robert E., Toronto, Ontario, Canada., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling alley approach. 2,296,471; Sept. 22.

Kerner, F. J., et al. (See Anderson, W. M., Kerner, assignors.)

Kester, Lynn C., Hereford, Tex. Automatic air control. 2,296,792; Sept. 22.

Kinsburg, Boris J., Riverdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal system. 2,296,353; Sept. 22.

Kirsch Company. (See Allen, Archie A., assignor.)

Kirschbaum, Harry M., Detroit, Mich. Surgical retractor. 2,296,793; Sept. 22.

Kleinfelder, Walter C., Rosebank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire connector. 2,296,443; Sept. 22.

Klinghoffer, Stefan, Buenos Aires, Argentina. Suppository. 2,296,557; Sept. 22.

Kohl, Alfred C., Marshfield, and P. F. Kohl, Mosinee, Wis. Bottle receiver. 2,296,444; Sept. 22.

Kohl, Philip F. (See Kohl, Alfred C. and P. F.)

Kokatnur, Vaman R., assignor to Autoxygen, Inc., New York, N. Y. Liquid fuel for internal combustion engines. 2,296,558; Sept. 22.

Kokay, Stephen, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating apparatus. 2,296,472; Sept. 22.

Koller, Lewis R., Schenectady, N. Y., assignor to General Electric Company. Electrolytic process of making photosensitive mosaic screens. 2,296,616; Sept. 22.

Komar, Joseph F., Youngstown, Ohio. Hydraulic descaling. 2,296,715; Sept. 22.

Konen, Harry A. (See Baker, W. J., and Konen.)

Krakauer, Abraham, assignor to Kay Manufacturing Corporation, Brooklyn, N. Y. Spring edge mattress or cushion. 2,296,559; Sept. 22.

Krämer, Wilhelm, Neckarsulm, Wurttemberg, Germany, assignor to American Lurgi Corporation, New York, N. Y. Piston. 2,296,388; Sept. 22.

Kraus, Edward H., Oceanport, N. J. Fireplace. 2,296,354; Sept. 22.

Kraybill, Henry R. (See Kruse, N. F. Oberg, Mann, Kraybill, and Eldridge.)

Krehbiel, John J., Bridgeport, Conn. Godet arrangement. 2,296,473; Sept. 22.

Kridler, Philip W., Detroit, Mich. Lamp socket. 2,296,717; Sept. 22.

Krier, Ambrose J. (See Halter, E. L., and Krier.)

Kruse, Norman F., E. B. Oberg, and W. E. Mann, Decatur, H. R. Kraybill, West Lafayette, and K. E. Eldridge, La Fayette, assignors of one-half to Central Soya Company, Inc., Fort Wayne, and one-half to Purdue Research Foundation, West Lafayette, Ind. Treating vegetable oils. 2,296,794; Sept. 22.

Kucera, Joseph B., Traer, Iowa. Device for spreading fertilizer. 2,296,474; Sept. 22.

Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Thermal responsive switch. 2,296,445; Sept. 22.

Kuhnle, Frederick C., Grand Haven, Mich. Combined strainer and drain valve structure. 2,296,527; Sept. 22.

Küssner, Wilhelm, Darmstadt, Germany, assignor to Merck & Co., Inc., Rahway, N. J. Cardio-active substances and their production. 2,296,677; Sept. 22.

Kyprie, George M., New York, N. Y. Mixing nozzle. 2,296,718; Sept. 22.

Lacoe, Ralph D., San Diego, Calif. Airplane stall indicating apparatus. 2,296,528; Sept. 22.

Lampe, Robert C., Springdale, Conn., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,296,446; Sept. 22.

Landsman, Mary S., Chicago, Ill. Nail guard. 2,296,795; Sept. 22.

Larson, Robert H. (See Ash, E. A., and Larson.)

Lear, Avia, Inc. (See Lear, William P., assignor.)

Lear, William P., Dayton, assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio. Radio azimuth indicator. 2,296,285; Sept. 22.

Leathers, Chester F., assignor to Progressive Welder Company, Detroit, Mich. Electrical control apparatus. 2,296,286; Sept. 22.

Le Moine, George V. (See Blais, R. E., and Le Moine.)

Lester, Stephen T., Cleveland Heights, Ohio. Measuring apparatus. 2,296,820; Sept. 22.

Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Luminescent lamp. 2,296,643; Sept. 22.

Levin, Nyman, Finchley, London, England, assignor to Radio Corporation of America. High frequency oscillator tube. 2,296,353; Sept. 22.

Levkoff, David, Brooklyn, N. Y. Cardboard box. 2,296,389; Sept. 22.

Leyde, Glen W., Arlington, Va. Electric water light. 2,296,287; Sept. 22.

Libbey-Owens-Ford Glass Company. (See Lowry, Clyde D., assignor.)

Libbey-Owens-Ford Glass Company. (See Sullivan, D. J., and White, assignors.)

Linde Air Products Company, The. (See Babcock, R. S., and Meincke, assignors.)

Linde Air Products Company, The. (See Hansen, Odd A., assignor.)

Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna and coupling means therefor. 2,296,356; Sept. 22.

Linder, Ernest G., Philadelphia, Pa., assignor to Radio Corporation of America. Ultra high frequency device. 2,296,678; Sept. 22.

Line Material Company. (See Earle, Ralph H., assignor.)

Line Material Company. (See Mack, Edward A., assignor.)

Line Material Company. (See Schultz, W. O., and Steinmayer, assignors.)

Links, Heinz, S. Meiswinkel, and K. Schwaiger, Gaggenau, Germany; vested in the Alien Property Custodian. Fuel injection pump for internal combustion engines. 2,296,357; Sept. 22.

Lion Oil Refining Company. (See Grant, F. R., and Tennyson, assignors.)

Lipp, Elmer L. (See Helbush, H. H., and Lipp.)

Liquid Carbonic Corporation, The. (See Hunt, Franklin B., assignor.)

Lombardi, John D., Denver, Colo. Demountable flower stand. 2,296,529; Sept. 22.

Looney, John B., Birmingham, Ala. Circuit control apparatus. 2,296,719; Sept. 22.

Lowe, Lyall L., Sioux City, Iowa. Heating stove. 2,296,447; Sept. 22.

Lowry, Clyde D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sash and store front construction. 2,296,720; Sept. 22.

Lubri-Zol Corporation, The. (See Frey, D. R., and Smith, assignors.)

Ludewig, Hermann. (See Hubert, E., and Ludewig.)

Lyman, Harry J., Royal Oak, and D. C. Manning, Dearborn, Mich., assignors to Philco Radio and Television Corporation, Philadelphia, Pa. Tuning mechanism. 2,296,721; Sept. 22.

Mack, Edward A., Huntington, W. Va., assignor to Line Material Company, Sonth Milwaukee, Wis. Service drop insulator. 2,296,679; Sept. 22.

MacKinnon, John K., assignor to Talco Asphalt & Refining Company, Mount Pleasant, Tex. Bell and spigot asphalt steel core pipe. 2,296,560; Sept. 22.

MacKinnon, John K., assignor to Talco Asphalt & Refining Company, Mount Pleasant, Tex. Making composite pipe structures. 2,296,561; Sept. 22.

Macleod, Donald K. (See Foehrenbach, A. F., Buergin, and Macleod.)

Magnuson, Roy M., Campbell, assignor to Food Machinery Corporation, San Jose, Calif. Crankshaft oiling system. 2,296,644; Sept. 22.

Mann, Wendell E. (See Kruse, N. F., Oberg, Mann, Kraybill, and Eldridge.)

Manning, Dana C. (See Lyman, H. J., and Manning.)

Mantonya, Paul S. (See Kastler, Edward L., assignor.)

Marancik, Joseph V., Roselle, and H. Z. Martin, Elizabeth, N. J., assignors to Standard Oil Development Company. Cracking of hydrocarbon oils. 2,296,722; Sept. 22.

Marchant, William H., South Pasadena, Calif. Process furnace. 2,296,390; Sept. 22.
Marchant, William H., South Pasadena, Calif. Suspended furnace wall. 2,296,391; Sept. 22.
Marchant, William H., South Pasadena, Calif. Heat-resistant wall panel. 2,296,392; Sept. 22.
Marecek, Eugen. (See Scheuermann, A., and Marecek.)
Marinsky, Davis, and L. H. Morin, Bronx, N. Y. Tent. 2,296,358; Sept. 22.
Markey, Roscoe I., East Orange, assignor to Pollak Manufacturing Company, Arlington, N. J. Bomb releasing shackle. 2,296,360; Sept. 22.
Marsden, George P., Los Angeles, assignor to Food Machinery Corporation, San Jose, Calif. Melon aligning and spacing conveyer. 2,296,645; Sept. 22.
Martin, Erle, West Hartford, and J. E. Anderson, Portland, assignors to United Aircraft Corporation, East Hartford, Conn. Controllable-pitch propeller. 2,296,288; Sept. 22.
Martin, Homer Z. (See Marancik, J. V., and Martin.)
Martin, Roger H. (See Hopp, A., and Martin.)
Martinelli, Ciro C., Oaklyn, N. J., assignor to Radio Corporation of America. Noise limiter. 2,296,393; Sept. 22.
Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaner motor mounting and filter construction. 2,296,359; Sept. 22.
Martois, Arthur E., Torrance, Calif. Gas burner. 2,296,475; Sept. 22.
Master Electric Company, The. (See Carlson, John T., assignor.)
Mather, Marjorie L. (See Crawford, R. B., and Mather.)
Matulaitis, Victor E., assignor to Chrysler Corporation, Highland Park, Mich. Throttle control. 2,296,646; Sept. 22.
Maxwell, William J., Glenboig, Scotland. Concrete product mold. 2,296,562; Sept. 22.
Mayer, Carl F., Lakewood, Ohio. Rod baking oven or the like. 2,296,361; Sept. 22.
Mayrath, Thomas L., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch and transmission operating mechanism. 2,296,289; Sept. 22.
Mayrath, Thomas L., Dayton, Ohio, assignor to Bendix Aviation Corporation, South Bend, Ind. Power transmission mechanism. 2,296,290; Sept. 22.
McClurg, Richard S., and F. C. Dulmage, Jr., assignors to The Dow Chemical Company, Midland, Mich. Deep-drawing ethyl cellulose films. 2,296,723; Sept. 22.
McCord, Claude M. (See Baker, J. W., and Ashley, assignors.)
McCormack, Alex A., assignor to General Motors Corporation, Dayton, Ohio. Making refrigerating apparatus. 2,296,724; Sept. 22.
McCormick, Francis A. (See Allen, P. C. B., Wilske, McCormick, and Jackson.)
McCormick, John H., assignor to Racine Tool & Machine Company, Racine, Wis. Hydraulic pressure booster. 2,296,647; Sept. 22.
McCurdy, Everett D., et al. (See Shaw, Clement D., assignor.)
McDonald, Charles B., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Forming valve seat inserts. 2,296,460; Sept. 22.
McEwan, Eugene E., New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,296,725; Sept. 22.
McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,296,530; Sept. 22.
McIntire, Arthur S., assignor to The Sprague Meter Company, Bridgeport, Conn. Apparatus for metering gas. 2,296,476; Sept. 22.
McIntire, Arthur S., assignor to The Sprague Meter Company, Bridgeport, Conn. Inter-geared means for adjusting plural crank arm lengths in gas meters. 2,296,477; Sept. 22.
McKinney, Paul V. (See Frey, F. E., McKinney, and Wood.)
McLenegan, David W., Caldwell, N. J., assignor to General Electric Company. Air conditioning apparatus. 2,296,680; Sept. 22.
McMahon, Michael, South Gate, Calif. Automatic shut-off valve for high and low pressure and temperature release. 2,296,648; Sept. 22.
McNeil Machine & Engineering Company, The. (See Soderquist, Leslie E., assignor.)
McNeil, William M. (See Gibson, O. E., and McNeil.)
McQueen, Robert T., Butler, Tenn. Measuring instrument. 2,296,531; Sept. 22.
Mead, Ralph C., assignor to Riley Stoker Corporation, Worcester, Mass. Combustion regulation. 2,296,448; Sept. 22.
Meincke, Edward. (See Babcock, R. S., and Meincke.)
Meisenheimer, Armin, Milwaukee, Wis. Hook guard. 2,296,449; Sept. 22.
Meiswinkel, Samuel, et al. (See Links, H., Meiswinkel, and Schwaiger.)
Mekeel, Charles H., Jr., Reading, Pa. Torque-controlled transmission. 2,296,532; Sept. 22.
Melhose, Alfred E., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,296,362; Sept. 22.
Meloon, Daniel T., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of novelty artificial yarn. 2,296,394; Sept. 22.
Merck & Co. (See Fernholz, Erhard, assignor.)
Merck & Co. (See Küssner, Wilhelm, assignor.)
Merry, Edward C., assignor to Merry-Neville Manufacturing Company, Birmingham, Mich. Multiple rear axle assembly. 2,296,681; Sept. 22.
Merry-Neville Manufacturing Company. (See Merry, Edward C., assignor.)
Messer, William E., Cheshire, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Deterioration retarder. 2,296,363; Sept. 22.
Metzger, Floyd J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Manufacture of acetylene. 2,296,796; Sept. 22.
Michael, Wilhelm and A. Buettner, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Cracking carbonaceous materials. 2,296,395; Sept. 22.
Mikeska, Louis A. (See Arundale, E., and Mikeska.)
Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Water soluble derivative of Vitamin D. 2,296,291; Sept. 22.
Millar, Arthur L., London, England. Screw fan. 2,296,682; Sept. 22.
Miller, Mike A., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Joining magnesium members. 2,296,396; Sept. 22.
Miller, Nicholas, Berwyn, Ill. Combined exposure meter and range finder. 2,296,292; Sept. 22.
Miller, William J., Swissvale, Pa. Apparatus for the manufacture of pottery ware. 2,296,364; Sept. 22.
Millhiser Bag Company. (See Golden, Bertie C., assignor.)
Milwaukee Gas Specialty Company. (See Alfery, Henry F., assignor.)
Milwaukee Gas Specialty Company. (See Engholdt, Richard K., assignor.)
Minerals and Metals Corporation. (See Brassert, Herman A., assignor.)
Minerals and Metals Corporation. (See Hartley, James C., assignor.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Mixer, Harold P., Rockville Centre, N. Y. Color photography. 2,296,617; Sept. 22.
Mohun, John L., Chicago, Ill. Railway journal mounting. 2,296,726; Sept. 22.
Moller, Conrad G., 3rd., New Canaan, Conn., assignor to The Acrotorque Company, Cleveland, Ohio. Control. 2,296,563; Sept. 22.
Monongahela Trust Company, executor, et al. (See Crozier, Edward G.)
Monsanto Chemical Company. (See Jelen, Frederick C., assignor.)
Moore, George L., and J. R. Steele, Owego, N. Y. Lubricating device. 2,296,365; Sept. 22.
Moore, Robert C., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Deflecting output circuits for cathode ray tubes. 2,296,727; Sept. 22.
Moore, William W. (See Dames, T. R., and Moore.)
Morehouse, Glenn H. (See Morehouse, Louie H., assignor.)
Morehouse, Louie H., assignor to G. H. Morehouse, Los Angeles, Calif. Colloid mill. 2,296,564; Sept. 22.
Morgan Construction Company, et al. (See Morgan, M., and Nash, assignors.)
Morgan, Myles, Worcester, Mass., and L. W. Nash, Damascus, Ohio, assignors to Morgan Construction Company, Worcester, Mass., and to C. W. Bliss Company, Brooklyn, N. Y. Coil handling apparatus. 2,296,683; Sept. 22.
Morgan, William F., Chicago, Ill. Piston. 2,296,478; Sept. 22.
Morin, Louis H. (See Marinsky, D., and Morin.)
Mossberg, Harold F., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Target throwing mechanism. 2,296,728; Sept. 22.
Mossberg, Iver O., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Cartridge magazine for firearms. 2,296,729; Sept. 22.
Mossberg, O. F., & Sons, Inc. (See Mossberg, Harold F., assignor.)
Mossberg, O. F., & Sons, Inc. (See Mossberg, Iver O., assignor.)
Mounce, Whitman D., Houston, Tex., asssignor to Standard Oil Development Company. Borehole tool. 2,296,366; Sept. 22.
Mueller Co. (See Mueller, F. H., and Bowan, assignors.)
Mueller, Frank H., and W. J. Bowan, assignors to Mueller Co., Decatur, Ill. Lubricated valve structure. 2,296,649; Sept. 22.
Mueller, Frank H., and W. J. Bowan, assignors to Mueller Co., Decatur, Ill. Lubricated valve. 2,296,650; Sept. 22.
Mueller, Frank H., and W. J. Bowan, assignors to Mueller Co., Decatur, Ill. Drilling apparatus. 2,296,651; Sept. 22.

Muhlbach, Alfred, Los Angeles, Calif. Well tool. 2,296,397; Sept. 22.
Muller, Johan A., and W. R. Tucker, Mount Gilead, Ohio, assignors to The Hydraulic Development Corporation, Inc., Wilmington, Del. Injection molding machine with inclined clamps. 2,296,730; Sept. 22.
Mustonen, Reino H., Detroit, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Stop mechanism for grinding machines. 2,296,731; Sept. 22.
Mütze, Kurt, Neuss-on-the-Rhine, Germany; vested in the Alien Property Custodian. Device for rolling threads. 2,296,565; Sept. 22.
Naeher, Paul, Evanston, assignor to B. F. Gump Co., Chicago, Ill. Sifting. 2,296,293; Sept. 22.
Nash, Leonard W. (See Morgan, M., and Nash.)
National Metal Edge Box Company. (See Junkin, Malcolm P.)
National Silk Hosiery Mills, Inc. (See Badders, S. C., and Farrell, assignors.)
Neal, Morris P., Quincy, assignor to Ditto, Incorporated, Chicago, Ill. Flexible plate mounting means for duplicating machines. 2,296,533; Sept. 22.
Negretti & Zambra. (See Ibbott, Harold W., assignor.)
Nelles, Johannes. (See Bögemann, M., and Nelles.)
Nelson, George D., Detroit, Mich. Vehicle signal. 2,296,367; Sept. 22.
Neumann, Willy, Ladeburg, near Bernau, Germany; vested in the Alien Property Custodian. Filter. 2,296,566; Sept. 22.
Neuner, Martin, Fairview, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Electrical apparatus. 2,296,684; Sept. 22.
New Britain Machine Company, The. (See Gridley, George O., assignor.)
New England Bedding Company. (See Feldman, Jacob C., assignor.)
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control system. 2,296,534; Sept. 22.
Nichols, Anthony D., San Francisco, Calif. Machine for inserting spacers between the plates of storage batteries. 2,296,479; Sept. 22.
Nicks, H. S., executor, et al. (See Paxton, Walter H.)
Nicolai, Theodore R., Vallejo, Calif. Attachment for hand cutting torches. 2,296,480; Sept. 22.
Nielsen, Hakon C., Minneapolis, Minn. Cable clamp. 2,296,567; Sept. 22.
Nix, Tom R., Una, and J. H. Calvert, Spartanburg, assignors to Bahan Textile Machinery Company, Greenville, S. C. Dagger depressing mechanism. 2,296,398; Sept. 22.
Nordberg Manufacturing Company. (See Gruender, Oscar C., assignor.)
North American Rayon Corporation. (See Bartunek, R., and Stoeckly, assignors.)
Noyes, Edward N. (See Bourdelais, G. A., and Noyes.)
Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Clutch operating mechanism. 2,296,535; Sept. 22.
Nyvall, Ernest E., Seattle, Wash. Roadway shoulder retainer. 2,296,536; Sept. 22.
Oberg, Elmer B. (See Kruse, N. F., Oberg, Mann, Kraybill, and Eldridge.)
Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Antiwing shoulder stanchion. 2,296,481; Sept. 22.
Oneida Ltd. (See Resegger, Lloyd E., assignor.)
Operadio Manufacturing Co. (See Ash, E. A., and Larson, assignors.)
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company, Rock drill. 2,296,819; Sept. 22.
Otarion, Inc. (See Schauer, Walter E., assignor.)
Otto, Michael. (See Daniel, W., and Otto.)
Otto, Michael, Ludwigshafen-on-the-Rhine, Germany, and H. G. Schneider, Roselle, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Producing polymers. 2,296,399; Sept. 22.
Owens-Illinois Glass Company. (See Allen, P. C. B., Wilske, McCormick, and Jackson, assignors.)
Oyston, William R., and J. L. Cloudsley, assignors to J. L. Cloudsley, London, England, and A. Brash, Melbourne Victoria, Australia. Fluid valve. 2,296,732; Sept. 22.
Packard Motor Car Company. (See Griswold, Walter R., assignor.)
Page, Glen H., Salt Lake City, Utah. Filter lubrication fitting. 2,296,400; Sept. 22.
Pallas, Leota T. (See Illmer, L., and Pallas.)
Pallas, Vernon R. (See Illmer, L., and Pallas.)
Paolino, Alfonso A., Paterson, N. J. Gun sling. 2,296,733; Sept. 22.
Parker, J. A. (See Dickason, Marvin M., assignor.)
Patch, George W., Jr. (See Inskeep, H. V., and Patch.)
Patterson, Gordon D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Silicate treated titanium pigment. 2,296,618; Sept. 22.
Paul Peter, Inc. (See Thompson, Henry B., assignor.)
Paxton, Geraldine, executor, et al. (See Paxton, Walter H.)
Paxton, Walter H., also known as H. Paxton, deceased; G. Paxton, and H. S. Nicks, Riverside, executors, assignor to Food Machinery Corporation, San Jose, Calif. Manufacturing multiple boxes. 2,296,685; Sept. 22.
Payne, Thomas. (See Wilton, Edward G., assignor.)
Payne, William H., La Grange, Ill. Automatically controlling the electrodes of arc furnaces. 2,296,734; Sept. 22.
Peacock, Frank E., assignor to S. Morgan Smith Company, York, Pa. Control system. 2,296,568; Sept. 22.
Peake, Claude D., Seagraves, Tex. Window screen hanger set. 2,296,537; Sept. 22.
Pennoyer, Raymond P., executor, et al. (See Crozier, Edward G.)
Perkins, Hugh C., Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Wood preservative. 2,296,401; Sept. 22.
Persson, Eric S., Malmo, Sweden. Framing means. 2,296,735; Sept. 22.
Persson, Eric S., Malmo, Sweden. Hinge. 2,296,736; Sept. 22.
Petersen, Otto B., assignor to John F. Cuneo Company, Chicago, Ill. Book construction. 2,296,797; Sept. 22.
Peterson, Hans P., assignor to The Bush Manufacturing Company, Hartford, Conn. Cooling apparatus. 2,296,570; Sept. 22.
Peterson, Joseph, Hamtramck, Mich. Quick-opening snatch block. 2,296,569; Sept. 22.
Peterson, Walter M., Hewlett Harbor, Long Island, assignor to Wm. R. Gratz Co., Inc., New York, N. Y. Reed. 2,296,737; Sept. 22.
Peterson, Willard D., assignor to Eastman Kodak Company, Rochester, N. Y. Nondiffusing metallic salt coupler compound. 2,296,306; Sept. 22.
Petroleum Conversion Corporation. (See Dorsett, William C., assignor.)
Petrolite Corporation. (See Bailey, Edmund L., assignor.)
Petrolite Corporation. (See De Groote, M., and Keiser, assignors.)
Philco Corporation. (See Stover, Harvey N., assignor.)
Philco Radio and Television Corporation. (See Barry, Gerald J., assignor.)
Philco Radio and Television Corporation. (See Lyman, H. J., and Manning, assignors.)
Philco Radio and Television Corporation. (See Moore, Robert C., assignor.)
Philco Radio and Television Corporation. (See Smith, Newland F., Jr., assignor.)
Philco Radio and Television Corporation. (See Woods, Leslie J., assignor.)
Phillips Petroleum Company. (See Cook, William D., assignor.)
Phillips Petroleum Company. (See Frey, F. E., McKinney, and Wood, assignors.)
Pilkington Brothers Limited. (See Gaskell, Joseph, assignor.)
Pittsburgh Plate Glass Company. (See Pollack, M. A., and Chenicek, assignors.)
Plastic Metals, Inc. (See Young, John L., assignor.)
Pollack, Maxwell A., Akron, and A. G. Chenicek, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparation of unsaturated alcohol esters. 2,296,823; Sept. 22.
Pollak Manufacturing Company. (See Markey, Roscoe I., assignor.)
Power, Donnell W., Summit, N. J., assignor to Radio Corporation of America. Making glass-to-metal seals. 2,296,307; Sept. 22.
Power Research Corporation. (See Bowers Thomas A., assignor.)
Progressive Welder Company. (See Leathers, Chester F., assignor.)
Puls, John H., Los Angeles, Calif., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Multistage well pump. 2,296,821; Sept. 22.
Purdue Research Foundation, et al. (See Kruse, N. F., Oberg, Mann, Kraybill, and Eldridge, assignors.)
Queneau, August L. J., Peapack, N. J. Attrition mill. 2,296,402; Sept. 22.
Quiggle, Claude W., and F. M. Bouchard, St. Elmo, Ala. Cooler spacer. 2,296,738; Sept. 22.
Racine Tool & Machine Company. (See McCormick, John H., assignor.)
Radio Corporation of America. (See Bahls, Walter E., assignor.)
Radio Corporation of America. (See Braden, Rene A., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Goddard, De Witt R., assignor.)
Radio Corporation of America. (See Gruber, Martin, assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Leverenz, Humboldt W., assignor.)
Radio Corporation of America. (See Levin, Nyman, assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Linder, Ernest G., assignor.)
Radio Corporation of America. (See Martinelli, Ciro C., assignor.)
Radio Corporation of America. (See Power, Donnell W., assignor.)
Radio Corporation of America. (See Rust, Noël M., assignor.)

Radio Corporation of America. (See Seelen, Harry R., assignor.)
Ragan, Durward B., Portland, Oreg. Gas pilot and valve control. 2,296,686; Sept. 22.
Ralston, Anderson W., and E. W. Segebrecht, assignors to Armour and Company, Chicago, Ill. Separating ores. 2,296,368; Sept. 22.
Rambin, Louis G., Overton, Tex., assignor of one-third to J. I. Roberts, Shreveport, La. Name coiner. 2,296,571; Sept. 22.
Rand, Alphonso, L., Worcester, Mass. Indicator. 2,296,308; Sept. 22.
Rauen, Carl F., Grosse Pointe, Mich. Sprag. 2,296,619; Sept. 22.
Ray, Arthur M., Helena, Mont. Gravity chemical clarification system. 2,296,739; Sept. 22.
Ray, Lawrence W., Gladewater, Tex. Ignition timer. 2,296,652; Sept. 22.
Rayonier Incorporated. (See Schlosser, P. H., and Gray, assignors.)
Reach Corporation. (See Winnex, Douglas S., assignor.)
Reddick, Rupert R., Oakland, Calif. Electrode holder. 2,296,482; Sept. 22.
Reed, Harold V., assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,296,538; Sept. 22.
Reeves, Edward D., Cranford, N. J., assignor to Standard Oil Development Company. Conveying powdered material. 2,296,309; Sept. 22.
Reichstein, Tadeus, Zurich, Switzerland, assignor, by mesne assignments, to Roche-Organon, Inc., Nutley, N. J. Production of hormones. 2,296,572; Sept. 22.
Reid, George H., London, England. Spindle bearing 2,296,798; Sept. 22.
Reier, George C., Westfield, and A. Tradup, West Englewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,296,310; Sept. 22.
Reiling, Victor G., assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio. Double-V belt. 2,296,740; Sept. 22.
Renfrew, Archibald, and W. E. F. Gates, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Polymerization of water insoluble organic compounds dispersed in an aqueous vehicle. 2,296,403; Sept. 22.
Republic Steel Corporation. (See Foehrenbach, A. F., Buergin, and Macleod, assignors.)
Research Corporation. (See Milas, Nicholas A., assignor.
Ressegger, Lloyd E., assignor to Oneida Ltd., Oneida, N. Y. Combination spoon and bottle opener. 2,296,404; Sept. 22.
Reynolds, William B., et al. (See Fischer, E. K., Gluck, and Reynolds.)
Richards, Horace H. (See Hassler, J. W., and Richards.)
Richards, James H., Glendale, Calif. Mounting and drive means for milling attachments. 2,296,573; Sept. 22.
Richmond, Louis E., assignor to The Autocall Company, Shelby, Ohio. Mounting for electric bells and the like. 2,296,369; Sept. 22.
Riebel, Frederick, Jr., Miami Beach, Fla., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,296,450; Sept. 22.
Riley Stoker Corporation. (See Mead, Ralph C., assignor.)
Roberts, Dudley, assignor to Rubatex Products, Inc., New York, N. Y. Manufacture of thin sheets of chemically blown rubber. 2,296,305; Sept. 22.
Roberts, J. L. (See Ramoin, Louis G., assignor.)
Roberts, Paul, St. Louis, Mo. Construction of chair or stool structures. 2,296,451; Sept. 22.
Robertshaw Thermostat Company. (See Eskin, Samuel G., assignor.)
Robertshaw Thermostat Company. (See Weber, Victor, assignor.)
Roche-Organon, Inc. (See Reichstein, Tadeus, assignor.)
Rodgers, William F., Philadelphia, Pa. Stapler. 2,296,574; Sept. 22.
Rodin, Max. (See Stein, L., and Rodin.)
Rosen, Raphael. (See Slotterbeck, O. C., and Rosen.)
Rosenstein, Ludwig, assignor to Shell Development Company, San Francisco, Calif. Hydroxylation of unsaturated halides. 2,296,687; Sept. 22.
Rosin, Axel G., New York, N. Y. Calculating device. 2,296,799; Sept. 22.
Ross Heater & Manufacturing Co. Inc. (See Tinker, Townsend, assignor.)
Roto Wing Company. (See Greer, E. B. and (Garland, assignor).)
Rowe Manufacturing Co. (See Gabrielsen, Christian, assignor.)
Rowley, Cyril A., and A. Jenkins, King's Cross, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Manufacture of alternating current rectifiers. 2,296,575; Sept. 22.
Rubatex Products, Inc. (See Roberts, Dudley, assignor.)
Ruhl, Charles L., Dallas, Tex. Composite soap dish. 2,296,576; Sept. 22.
Russell, William J., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Laundry apparatus. 2,296,265; Sept. 22.
Rust, Noël M., Chelmsford, England, assignor to Radio Corporation of America. High frequency coil. 2,296,452; Sept. 22.
Saffert, George J., New Ulm, Minn. Molding concrete products. 2,296,453; Sept. 22.
Salem Engineering Company. (See Buckholdt, Robert E., assignor.)
Salem Engineering Company. (See Keener, S. F., and Buckholdt.)
Salle, Anthony J., Los Angeles, Calif. Embalming process. 2,296,539; Sept. 22.
Sanders, Charles M., Oak Park, Ill., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning apparatus. 2,296,741; Sept. 22.
Savage Arms Corporation. (See Brewer, Nicholas L., assignor.)
Schauer, Walter E., Forest Park, assignor to Otarion, Inc., Chicago, Ill. Circuit connector structure. 2,296,454; Sept. 22.
Scherer, Robert P., Detroit, Mich. Capsule stripping apparatus. 2,296,294; Sept. 22.
Scheuermann, Arno, and E. Marecek, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Production of hydrocarbons. 2,296,405; Sept. 22.
Schillinger, Paul R., Conyngham, Pa. Bottle stopper. 2,296,577; Sept. 22.
Schine, Isaac E. (See Steinmetz, S., and Schine.)
Schlosser, Paul H., and K. R. Gray, assignors to Rayonier Incorporated, Shelton, Wash. Cuprammonium-cellulose solution. 2,296,578; Sept. 22.
Schneider, Helmuth G. (See Otto, M., and Schneider.)
Schneider, Herman F., Philadelphia, Pa. Parking signal. 2,296,311; Sept. 22.
Schoenberger, Robert E., Shaker Heights, assignor to The W. J. Schoenberger Company, Cleveland, Ohio. Box mill and cutter therefor. 2,296,688; Sept. 22.
Schowalter, W. J., Company, The. (See Schoenberger, Robert E., assignor.)
Schroeder, Willard E., Dunmore, Pa. Pencil or crayon. 2,296,455; Sept. 22.
Schülein, Curt, Bopfingen, Wurttemberg, Germany, assignor to Taccalin Chemical Corporation, Long Island City, N. Y. Production of glue for veneers and plywoods. 2,296,742; Sept. 22.
Schultz, William O., South Milwaukee, and A. G. Steinmayer, assignors to Line Material Company, Milwaukee, Wis. Housing for fuse devices. 2,296,653; Sept. 22.
Schurz, Godfrey P., Portland, Oreg. Fuel metering device. 2,296,540; Sept. 22.
Schutte, August H., Westfield, N. J. Separation of different melting point materials. 2,296,456; Sept. 22.
Schute, August H., Hastings on Hudson, N. Y. Separation of different melting point materials. 2,296,457; Sept. 22.
Schutte, August H., Hastings on Hudson, N. Y. Separation of different melting point materials. 2,296,458; Sept. 22.
Schutte, August H., Hastings on Hudson, N. Y. Separation of different melting point materials. 2,296,459; Sept. 22.
Schuyler, Clarence A., assignor to H. C. Evans & Co., Inc., Chicago, Ill. Pitcher manikin. 2,296,541; Sept. 22.
Schwaiger, Karl, et al. (See Links, H., Meiswinkel, and Schwaiger.)
Scott, Albert C., Bush Hill, London, England. Manufacturing axle housings. 2,296,743; Sept. 22.
Secretary of Agriculture of the United States of America, Henry A. Wallace, and his successors in office. (See Stamm, Alfred J., assignor.)
Seelen, Harry R., Short Hills, N. J., assignor to Radio Corporation of America. Glass envelope seal. 2,296,579; Sept. 22.
Segebrecht, Ervin W. (See Ralston, A. W., and Segebrecht.)
Shaw, Clement D., Orchard Lake, assignor to W. B. Hoey, Franklin, Mich., and E. D. McCurdy, Cleveland, Ohio. Molding method and apparatus. 2,296,295; Sept. 22.
Shaw, Clement D., Shaker Heights, Ohio, assignor to W. B. Hoey, Franklin, Mich., and E. D. McCurdy, Cleveland, Ohio. Molding process. 2,296,296; Sept. 22.
Sheehy, Edward J., New York, N. Y., and E. L. Totten, Hohokus, N. J. Variable authenticator. 2,296,312; Sept. 22.
Shell Development Company. (See Bates, W. F., and Yeatman, assignors.)
Shell Development Company. (See Hearne, George W., assignor.)
Shell Development Company. (See Rosenstein, Ludwig, assignor.)
Shields, Curtis W., Yonkers, N. Y. Internal closure and operating same. 2,296,313; Sept. 22.
Simmons, Paul R., Warsaw, Ind. Apparatus for forming and deodorizing paper plates. 2,296,744; Sept. 22.
Singer Manufacturing Company, The. (See Enos, John P., assignor.)
Singer Manufacturing Company, The. (See Graesser, David A., assignor.)
Slade, Franklin L., Washington, D. C. Diffuser. 2,296,314; Sept. 22.

Slotterbeck, Ober C., Clark Township, Union County, N. J., assignor to Standard Oil Development Company. Alkyation process. 2,296,370; Sept. 22.
Slotterbeck, Ober C., Clark Township, Union County, and R. Rosen, Elizabeth, N. J., assignors to Standard Oil Development Company. Paraffin reaction. 2,296,371; Sept. 22.
Smiley, Gilbert, Hingham, assignor to General Control Company, Cambridge, Mass. Electronic timing circuit. 2,296,580; Sept. 22.
Smith, Albert K. (See Frey, D. R., and Smith.)
Smith, Alfred B. and C. R., Wolverhampton, England. Apparatus for mixing and blending materials, some of which are in a finely divided state. 2,296,581; Sept 22.
Smith, Clifford R. (See Smith, Alfred B. and C. R.)
Smith, Harry G. (See Steen, W. E., and Smith.)
Smith, Joseph N., Salem, and J. M. Bierer, Waban, assignors to Boston Woven Hose and Rubber Company, Cambridge, Mass. Manufacture of belting and like products. 2,296,372; Sept. 22.
Smith Meter Company. (See Steen, William E., assignor.)
Smith Meter Company. (See Steen, W. E., and Smith, assignors.)
Smith, Newland F., Jr., Wyndmoor, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Filter circuit for rectified alternating current. 2,296,745; Sept. 22.
Smith, Robert A., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Staple fiber cutter. 2,296,297; Sept. 22.
Smith, S. Morgan, Company. (See Peacock, Frank E., assignor.)
Smith, William H., East Molesey, England. Reinforcing clip machine. 2,296,483; Sept. 22.
Snyder, Eugene L. and L. E., Canton, Ohio. Illuminated ornamental object. 2,296,746; Sept. 22.
Snyder, Lucy E. (See Snyder, Eugene L. and L. E.)
Soderberg, Paul W., assignor to The J. B. Ford Company, Wyandotte, Mich. Abrasive scouring powder. 2,296,689; Sept. 22.
Soderberg, Paul W., assignor to The J. B. Ford Company, Wyandotte, Mich. Abrasive scouring powder. 2,296,690; Sept. 22.
Soderquist, Leslie E., assignor to The McNeil Machine & Engineering Company, Akron, Ohio. Combination tire bagging, curing, and debagging unit. 2,296,800; Sept. 22.
Solvay Process Company, The. (See Beekhuis, Herman A., Jr., assignor.)
Spalding, John E., Nitro, and D. B. Wicker, Dunbar, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Staple fiber cutter. 2,296,298; Sept. 22.
Sparks, William J., Cranford, and D. C. Field, Roselle Park, N. J., assignors to Standard Oil Development Company. Lubricating composition. 2,296,315; Sept. 22.
Spicer, William E., and R. N. Watts, Baton Rouge, La., assignor to Standard Oil Development Company. Preparing catalyst. 2,296,406; Sept. 22.
Sponge Rubber Products Company, The. (See Todd, William R., assignor.)
Sprague Meter Company, The. (See McIntire, Arthur S., assignor.)
Sprague Meter Company, The. (See Whitworth, Fairchild, assignor.)
Sproull, Charles W., Houston, Tex. Pump operating mechanism. 2,296,582; Sept. 22.
Stamm, Alfred J., Madison, Wis., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office. Anti-shrink treatment for wood. 2,296,316; Sept. 22.
Standard Oil Development Company. (See Arundale, E., and Mikeska, assignors.)
Standard Oil Development Company. (See Bays, G. S., Jr., and Franklin, Jr., assignors.)
Standard Oil Development Company. (See Blau, Ludwig W., assignor.)
Standard Oil Development Company. (See Gaylor, P. J., and Baldeschwieler, assignors.)
Standard Oil Development Company. (See Hemminger, Charles E., assignor.)
Standard Oil Development Company. (See Marancik, J. V., and Martin, assignors.)
Standard Oil Development Company. (See Mounce, Whitman D., assignor.)
Standard Oil Development Company. (See Reeves, Edward D., assignor.)
Standard Oil Development Company. (See Slotterbeck, Ober C., assignor.)
Standard Oil Development Company. (See Sparks, W. J., and Field, assignors.)
Standard Oil Development Company. (See Spicer, W. E., and Watts, assignors.)
Standard Oil Development Company. (See Thompson, Robert R., assignor.)
Steele, James R. (See Moore, G. L., and Steele.)
Steen, William E., Pasadena, assignor to Smith Meter Company, Los Angeles, Calif. Spindle packing for meters and the like. 2,296,542; Sept. 22.
Steen, William E., and H. G. Smith, Pasadena, assignors to Smith Meter Company, Los Angeles, Calif. Deaerator. 2,296,543; Sept. 22.
Steiger, Beno. (See Gavatin, E. J., and Steiger.)
Stein, Irving, Philadelphia, Pa., and M. Rodin, Louisville, Ky. Automatic transmission. 2,296,654; Sept. 22.
Steiner, Frederick W., Chicago, Ill. Electric time switch. 2,296,407; Sept. 22.
Steinmayer, Alwin G. (See Schultz, W. O., and Steinmayer.)
Steinmetz, Samuel, and I. E. Schine, Bridgeport, Conn. Washboard. 2,296,299; Sept. 22.
Stewart, George F., assignor to Iowa State College Research Foundation, Ames, Iowa. Maintenance of the quality of infertile eggs when subjected to heat. 2,296,544; Sept. 22.
Stoeckly, Johann J. (See Bartunek, R., and Stoeckly.)
Stonebraker, Harold E. (See Baxter, W. C., and Stonebraker.)
Stover, Harvey N., Haddonfield, N. J., assignor to Philco Corporation. Explosionproof storage battery. 2,296,747; Sept. 22.
Straits, Lloyd A., U. S. Navy. Life preserver-jacket or vest type. 2,296,583; Sept. 22.
Straub, Constantine L., assignor to R. W. Baird, Milwaukee, Wis. Cylinder and jacket construction for engines. 2,296,748; Sept. 22.
Strebel, Charles J. (See Bird, A., and Strebel.)
Stuart, Robert, Forest Hills, Long Island, N. Y. Photographic system and apparatus. 2,296,655; Sept. 22.
Stummeyer, Herbert, Mannheim, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Growth promoting media. 2,296,584; Sept. 22.
"Sudamericana De Patents." (See Ghes, Henry and Oscar, assignors.)
Sullivan, Delmer J., and G. White, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for use in the tempering of glass sheets. 2,296,691; Sept. 22.
Sullivan Machinery Company. (See Curtis, John C., assignor.)
Sullivan Machinery Company. (See Dittmer, Carl E., assignor.)
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
Swenson, Arthur R., Fanwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding device. 2,296,317; Sept. 22.
Sylvania Electric Products Inc. (See Thomas, Ralph B., assignor.)
Taccalin Chemical Corporation. (See Schülein, Curt, assignor.)
Talco Asphalt & Refining Company. (See MacKinnon, John K., assignor.)
Tanner, Frederick C., Warwick, R. I., assignor to Federal Products Corporation. Gauge. 2,296,749; Sept. 22.
Tennyson, Thomas A. (See Grant, F. R., and Tennyson.)
Texas Company, The. (See Puls, John H., assignor.)
Texas Company, The. (See Wolf, A., and Cowles, assignors.)
Texas Foundries, Inc. (See Yeoman, Ray C., assignor.)
Thomas, Ralph B., Beverly, Mass., assignor to Sylvania Electric Products Inc. Bulb neck wiping device for lamps. 2,296,801; Sept. 22.
Thompson, Henry B., Jenkintown, Pa., assignor to Peter Paul, Inc., Naugatuck, Conn. Machine for loading and discharging containers. 2,296,802; Sept. 22.
Thompson, Melcena, Livermore, Calif. Protective appliance for hair driers. 2,296,484; Sept. 22.
Thompson, Robert R., Houston, Tex., assignor to Standard Oil Development Company. Electrically fired borehole gun. 2,296,318; Sept. 22.
Thumin, Carl, Yeadon, Pa., assignor to General Electric Company. High speed reclosing mechanism. 2,296,300; Sept. 22.
Thurston, Arthur L., Wantagh, N. Y., assignor to Cox & Stevens Aircraft Corporation. Calculator. 2,296,692; Sept. 22.
Tichbourne, George A., Port Arthur, Ontario, Canada. Furnace. 2,296,545; Sept. 22.
Timken Roller Bearing Company, The. (See Cox, William P., assignor.)
Tinker, Townsend, Boston, assignor to Ross Heater & Manufacturing Co. Inc., Buffalo, N. Y. Closure for pressure vessels. 2,296,620; Sept. 22.
Tobias, Herrmann B., Washington, D. C. Direction signaling device. 2,296,585; Sept. 22.
Todd, William R., assignor to The Sponge Rubber Products Company, Shelton, Conn. Impressing designs upon pile fabrics. 2,296,408; Sept. 22.
Tomkins-Johnson Company. (See Ward, Loyd A., assignor.)
Toney, Willard, assignor to Crossett Lumber Company, Crossett, Ark. Artificially seasoning lumber. 2,296,546; Sept. 22.
Totten, Edgar L. (See Sheehy, E. J., and Totten.)
Tradup, Albert. (See Reier, G. C., and Tradup.)
Trew, James W., Gettysburg, Pa. Rim protector. 2,296,803; Sept. 22.
Trimble Nurseryland Furniture, Inc. (See Baxter, W. C., and Stonebraker, assignors.)
Tucker, Arthur L., Oklahoma City, Okla. Safety revaporizer for liquefied gas systems. 2,296,750; Sept. 22.
Tucker, Warren R. (See Muller, J. A., and Tucker.)
Turoczy, Walter J., Wilmington, Del. Serving device. 2,296,586; Sept. 22.

Union Carbide and Carbon Corporation. (See Inskeep, H. V., and Patch, assignors.)
Union Switch & Signal Company, The. (See Rowley, C. A., and Jenkins, assignors.)
United Aircraft Corporation. (See Martin, E., and Anderson, assignors.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United States Gypsum Company. (See Balduf, Bruno E., assignor.)
United States Gypsum Company. (See Gibson, O. E., and McNeil, assignors.)
United States Rubber Company. (See Guy, Albert N., assignor.)
United States Rubber Company. (See Messer, William E., assignor.)
U. S. Slicing Machine Company. (See Van Berkel, Cornelis F. M., assignor.)
Universal Match Corporation. (See Fischer, Aaron, assignor.)
Valley Shoe Corporation. (See Green, William F., assignor.)
Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,296,587; Sept. 22.
Van der Woude, Fritz R., assignor to The General Industries Company, Elyria, Ohio. Drive for turntables. 2,296,751; Sept. 22.
Vicary, Edward H., Port Angeles, Wash., assignor to The Babcock & Wilcox Company, Newark, N. J. Steam generating unit. 2,296,656; Sept. 22.
Vickers Incorporated. (See Herman, K. R., and Zimmermann, assignors.)
Von Kohorn, Henry, New York, N. Y. Oscillating device. 2,296,319; Sept. 22.
Wade, Charles E. (See Falge, R. N., and Wade.)
Wade, Elmer J., Pittsfield, Mass., assignor to General Electric Company. Lightning arrester. 2,296,621; Sept. 22.
Waldo, John E., assignor to Armstrong Manufacturing Co., Bridgeport, Conn. Tool drive. 2,296,320; Sept. 22.
Wallace, David A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Surface testing apparatus. 2,296,657; Sept. 22.
Wannamaker, William H., Philadelphia County, and E. A. Keeler, Norristown, assignors to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,296,409; Sept. 22.
Ward, Eugene B., West Springfield, Mass. Footwear. 2,296,547; Sept. 22.
Ward, Loyd A., assignor to Tomkins-Johnson Company, Jackson, Mich. Multistation rivet selector. 2,296,658; Sept. 22.
Waterbury Farrel Foundry and Machine. (See Wilcox, Richard L., assignor.)
Watts, Elmore P. (See Whetzel, Eugene S., assignor.)
Watts, James H., et al. (See Whetzel, Eugene S., assignor.)
Watts, Rhea N. (See Spicer, W. E., and Watts.)
Wax, Jacob, and M. Greenberg, Chicago, Ill. Adjustable stay for caps. 2,296,373; Sept. 22.
Weber, Victor, Greensburg, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Switch. 2,296,374; Sept. 22.
Wehe, Carl E., Oakland, Calif. Tire inflator valve mechanism. 2,296,622; Sept. 22.
Weisbecker, Frank G., Glenside, assignor, by mesne assignments, to Hosiery Patents Incorporated, Lansdale, Pa. Knitted article and making same. 2,296,301; Sept. 22.
Weisbecker, Frank G., Glenside, assignor to Hosiery Patents Incorporated, Lansdale, Pa. Seaming. 2,296,303; Sept. 22.
Weisbecker, Frank G., Glenside, Pa., and W. W. Fleming, Washington, D. C., assignors, by mesne assignments, to Hosiery Patents Incorporated, Lansdale, Pa. Seaming fabrics. 2,296,302; Sept. 22.
Wellech, Edmund H. (See Hinkley, R. A., and Wellech.)
Wellech, Edmund H., assignor to Corning Glass Works, Corning, N. Y. Glass forming apparatus. 2,296,321; Sept. 22.
Western Electric Company. (See Cole, Paul M., assignor.)
Western Electric Company. (See Swenson, Arthur R., assignor.)
Western Union Telegraph Company, The. (See Estes, Phillip H., assignor.)
Western Union Telegraph Company, The. (See Perkins, Hugh C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baird, Stuart R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Breckenridge, Frank, assignor.)
Westinghouse Electric & Manufacturing Company. (See Fischer, Frederick K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Harder, Edwin L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Russell, William J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sanders, Charles M., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wolfert, Edward R., assignor.)
West Virginia Pulp and Paper Company. (See Hassler, J. W., and Richards, assignors.)
Wetzsteon, Raymond V., Butte, Mont. Draft control for combustion heating systems. 2,296,410; Sept. 22.
Whetzel, Eugene S., assignor, by mesne assignments, to a copartnership consisting of W. P. York, E. S. Whetzel, Aurora, J. H. Watts, Danville, and E. P. Watts, Aurora, Ill. Manufacturing embossed articles. 2,296,752; Sept. 22.
White, Gerald. (See Sullivan, D. J., and White.)
Whitworth, Fairchild, Fairfield, assignor to The Sprague Meter Company, Bridgeport, Conn. Common means for adjusting plural crank arm lengths in gas meters. 2,296,485; Sept. 22.
Wicker, Dan B. (See Spalding, J. E., and Wicker.)
Wigglesworth, Victor T., Portland, Oreg. Direction indicating mechanism. 2,296,588; Sept. 22.
Wilcox, Richard L., Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company. Header mechanism. 2,296,693; Sept. 22.
Williams, Harry E., and L. A. Durant, Chicago, Ill. Universal impulse unit. 2,296,548; Sept. 22.
Williams, Harry E., and L. A. Durant, Chicago, Ill. Impulse control. 2,296,549; Sept. 22.
Williams, John J., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Manufacturing container closures. 2,296,550; Sept. 22.
Wills, John W., Richmond, Va. Fluid pressure indicator. 2,296,411; Sept. 22.
Wilske, Julius E. (See Allen, P. C. B., Wilske, McCormick, and Jackson.)
Wilton, Edward G., assignor of one-half to T. Payne, Mount Vernon, Wash. Detent. 2,296,694; Sept. 22.
Wilton, Percy J., Gary, Ind. Equalizing guide roll. 2,296,753; Sept. 22.
Winnek, Douglas F., Rye, assignor to Research Corporation, New York, N. Y. Embossing sheets of cellulose acetate and the like. 2,296,804; Sept. 22.
Winthrop Chemical Company. (See Stummeyer, Herbert, assignor.)
Wolf, Alexander, and L. G. Cowles, Houston, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Astatic electromagnetic vibration detector. 2,296,754; Sept. 22.
Wolf, Edgar, Krefeld, Germany, assignor to Heberlein Patent Corporation, New York, N. Y. Halomethyl aliphatic amino compounds and making them. 2,296,412; Sept. 22.
Wolf, Elias, et al. (See Junkin, Malcolmn P., assignor.)
Wolf, Howard A., et al. (See Junkin, Malcolm P., assignor.)
Wolf, Louis, et al. (See Junkin, Malcolm P., assignor.)
Wolf, Walter L., et al. (See Junkin, Malcolm P., assignor.)
Wolfert, Edward R., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerating apparatus. 2,296,304; Sept. 22.
Wolfert, Edward R., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning apparatus. 2,296,822; Sept. 22.
Wood Conversion Company. (See Heritage, Clark C., assignor.)
Wood Conversion Company. (See Heritage, C. C., and Jones, assignors.)
Wood, William H. (See Frey, F. E., McKinney, and Wood.)
Woods, Leslie J., Grosse Pointe, Mich., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Radio control device. 2,296,755; Sept. 22.
Wurlitzer, Rudolph, Company, The. (See Farny, Cyril, assignor.)
Wylde, Joseph R. (See Bell, A. S., and Wylde.)
Yeatman, Charles A. (See Bates, W. F., and Yeatman.)
Yeoman, Ray C., assignor to Texas Foundries, Inc., Lufkin, Tex. Load transfer device. 2,296,756; Sept. 22.
Ylio, Hilario V., Brooklyn, N. Y. Calendar. 2,296,551; Sept. 22.
York, William P., et al. (See Whetzel, Eugene S., assignor.)
Young, John L., Pittsburgh, Pa., assignor, by mesne assignments, to Plastic Metals, Inc. Electrolytically deposited iron. 2,296,757; Sept. 22.
Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Fluorescent paint. 2,296,589; Sept. 22.
Zahn, Franklin, Jr., San Diego, Calif. Filter. 2,296,486; Sept. 22.
Zell, Lucian T., Cleveland, Ohio. Housing unit. 2,296,413; Sept. 22.
Zellerbach Paper Company. (See Hall, Wayne L., assignor.)
Zerin, Alexander F., Pittsburgh, Pa. Heating stove and the like. 2,296,552; Sept. 22.
Zimmerman, Lukas. (See Herman, K. R., and Zimmermann.)
Zworykin, Vladimir K., Marlton, N. J. Power transmitting mechanism. 2,296,695; Sept. 22.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF SEPTEMBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for recording sound on thin disks. L. Thompson. Re. 22,183; Sept. 22.

Chemical apparatus. W. F. Schilling. Re. 22,181; Sept. 22.

Harvesting implement, Row crop. M. H. Tuft and C. T. Rasmussen. Re. 22,182; Sept. 22.

Relaying equipment, Protective. E. L. Harder. Re. 22,179; Sept. 22.

Well device. H. C. Otis. Re. 22,180; Sept. 22.

LIST OF DESIGN INVENTIONS

Air conditioning control. H. E. Malone. 133,864; Sept. 22.

Banner or the like. M. Cooney. 133,826; Sept. 22.

Bootlette. B. Hill. 133,870; Sept. 22.

Cap for collapsible tube. L. Baron. 133,844; Sept. 22.

Chair. W. J. Bargen. 133,818; Sept. 22.

Chair. A. Brodovitch. 133,845–9; Sept. 22.

Clip, Jewelry. M. C. Meyer. 133,829; Sept. 22.

Coat lining. B. K. Eisenberg. 133,852–7; Sept. 22.

Conduit for a conductor system. E. T. Carlson. 133,866; Sept. 22.

Container carrier and display device, Combined. E. M. Houghton. 133,820; Sept. 22.

Container for liquids, Portable. D. T. Clements and J. M. Kenderdine. 133,850; Sept. 22.

Cover, Menu. H. L. Steinhilber. 133,883; Sept. 22.

Cutting implement sheath or the like. F. Ehrsam. 133,851; Sept. 22.

Dolly or similar article. K. C. Hamilton. 133,879–80; Sept. 22.

Dress. N. Carson. 133,892; Sept. 22.

Dress. S. B. Foster. 133,858; Sept. 22.

Dress. D. E. Gottlieb. 133,860; Sept. 22.

Dress. L. L. Kashine. 133,893; Sept. 22.

Dress. B. Kessler. 133,894; Sept. 22.

Dress. H. T. Langbert. 133,895; Sept. 22.

Dress. K. Rost. 133,896; Sept. 22.

Dress. B. Zanderer. 133,898; Sept. 22.

Drill unit, Pneumatic. H. C. Reynolds. 133,841; Sept. 22.

Earring. M. C. Meyer. 133,830–2; Sept. 22.

Earring. M. C. Meyer. 133,834; Sept. 22.

Egg dyeing apparatus. R. P. Young. 133,824; Sept. 22.

Fabric, Embroidered. I. G. Oppenheimer. 133,887–8; Sept. 22.

Fabric or similar article, Textile. M. A. Susi. 133,890; Sept. 22.

Fabric, Textile. L. Kalman. 133,884; Sept. 22.

Feeder, Chicken. R. H. Kinkel. 133,862; Sept. 22.

Frame, Eyeglass. L. Jacobson. 133,821–2; Sept. 22.

Hat. H. B. Reid. 133,874; Sept. 22.

Holder, Flag. W. S. Gass. 133,859; Sept. 22.

Holder for inkwells and pens. W. M. Gallagher. 133,878; Sept. 22.

Instrument or similar article, Surgical stitching. J. D. Karle. 133,827; Sept. 22.

Jabot. M. C. Kruger. 133,872–3; Sept. 22.

Jewelry finding or similar article. A. C. Apitz. 133,825; Sept. 22.

Kettle or the like, Tea. K. Schneider. 133,823; Sept. 22.

Mask, Head lamp. V. Hartley. 133,899; Sept. 22.

Mitten. I. Matthews. 133,882; Sept. 22.

Paper or similar article, Wrapping. G. C. Adams. 133,875; Sept. 22.

Paper, Wrapping. J. W. Elder. 133,876–7; Sept. 22.

Pencil or similar article. S. G. Lipic. 133,881; Sept. 22.

Photographic mount or the like. J. Hecht and W. G. Klubek. 133,861; Sept. 22.

Pin, Jewelry. M. C. Meyer. 133,833; Sept. 22.

Pin, Jewelry. M. C. Meyer. 133,835–40; Sept. 22.

Projector. J. T. Armbruster. 133,843; Sept. 22.

Rug or the like, Printed. J. Stout. 133,865; Sept. 22.

Set of game pieces. C. Hoytash. 133,863; Sept. 22.

Slipper, Dance. L. Harris. 133,819; Sept. 22.

Splint, Traction. R. J. Marimon. 133,828; Sept. 22.

Template. H. M. Alt. 133,842; Sept. 22.

Toy rattler. J. P. Donahue. 133,869; Sept. 22.

Toy vehicle. J. P. Donahue. 133,868; Sept. 22.

Tray, Molded fiber. M. P. Chaplin. 133,867; Sept. 22.

Trimming, Embroidered lace. H. Krieger. 133,885–6; Sept. 22.

Trimming or similar article, Lace. H. Tobler. 133,891; Sept. 22.

Trimming or the like, Embroidered. R. Senderowitz. 133,889; Sept. 22.

Wheel attachment or similar article, Antitheft. H. O. Williams. 133,897; Sept. 22.

Whistle. J. J. Kolar. 133,871; Sept. 22.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF SEPTEMBER, 1942

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abietic acid, Preparation of. R. F. B. Cox. 2,296,503; Sept. 22.
Abrasive machine of the rotor type. L. Illmer and V. R. Pallas. 2,296,615; Sept. 22.
Acetylene, Manufacture of. F. J. Metzger. 2,296,796; Sept. 22.
Air conditioning apparatus. D. W. McLenegan. 2,296,680; Sept. 22.
Air conditioning apparatus. C. M. Sanders. 2,296,741; Sept. 22.
Air conditioning apparatus. E. R. Wolfert. 2,296,822; Sept. 22.
Air conditioning system. W. L. McGrath. 2,296,530; Sept. 22.
Air control, Automatic. L. C. Kester. 2,296,792; Sept. 22.
Aircraft with sustaining rotors. J. A. J. Bennett. 2,296,250–1; Sept. 22.
Airplane stall indicating apparatus. R. D. Lacoe. 2,296,528; Sept. 22.
Alcohol esters, Preparation of unsaturated. M. A. Pollack and A. G. Chenicek. 2,296,823; Sept. 22.
Aligning and spacing conveyor, Melon. G. P. Marsden. 2,296,645; Sept. 22.
Alkylation process. O. C. Slotterbeck. 2,296,370; Sept. 22.
Alloy: *See*—
Copper-zinc alloy.
Alternating current motor. J. F. H. Douglas. 2,296,776; Sept. 22.
Anhydrous di-calcium phosphate, Manufacture of. E. Block. 2,296,494; Sept. 22.
Anhydrous mono-calcium phosphate, Manufacture of. E. Block. 2,296,495; Sept. 22.
Animal poke. C. E. Biser. 2,296,593; Sept. 22.
Antenna and coupling means therefor. N. E. Lindenblad. 2,296,356; Sept. 22.
Apparatus for feeding glass to rolling machines. J. Gaskell. 2,296,711; Sept. 22.
Apparatus for forming and deodorizing paper plates. P. R. Simmons. 2,296,744; Sept. 22.
Apparatus for heat treating. H. V. Innkeep and G. W. Patch, Jr. 2,296,387; Sept. 22.
Apparatus for heating metal objects. R. E. Buckholdt. 2,296,806; Sept. 22.
Apparatus for metering gas. A. S. McIntire. 2,296,476; Sept. 22.
Apparatus for mixing and blending materials, some of which are in a finely divided state. A. B. and C. R. Smith. 2,296,581; Sept. 22.
Apparatus for the manufacture of pottery ware. W. J. Miller. 2,296,364; Sept. 22.
Apparatus for treating metallic oxides. B. E. Carl. 2,296,422; Sept. 22.
Apparatus for use in the tempering of glass sheets. D. J. Sullivan and G. White. 2,296,691; Sept. 22.
Apparatus for washing fabrics or the like. F. Breckenridge. 2,296,257; Sept. 22.
Apparatus for washing fabrics or the like. F. Breckenridge. 2,296,260; Sept. 22.
Aqueous dispersions of polyisobutylene, Producing. W. Daniel and M. Otto. 2,296,427; Sept. 22.
Arm rest. K. E. Coppock. 2,296,628; Sept. 22.
Article handling apparatus. P. M. Cole. 2,296,425; Sept. 22.
Article handling apparatus. T. Green. 2,296,611; Sept. 22.
Athletic protector. D. R. Brady. 2,296,335; Sept. 22.
Atomizer, Pocket type. C. C. Daggett. 2,296,773; Sept. 22.
Attachment for hand cutting torches. T. R. Nicolai. 2,296,480; Sept. 22.
Attrition mill. A. L. J. Queneau. 2,296,402; Sept. 22.
Awning, Ventilated. J. N. Dugan. 2,296,467; Sept. 22.
Axle assembly, Multiple rear. E. C. Merry. 2,296,681; Sept. 22.
Axle housings, Manufacturing. A. C. Scott. 2,296,743; Sept. 22.
Bag: *See*—
Switchboard card bag.
Bag stringing machine. B. C. Golden. 2,296,783; Sept. 22.
Bath stand and dressing table, Infant's folding, combination. W. C. Baxter and H. E. Stonebraker. 2,296,592; Sept. 22.
Battery assembly. B. D. Emanuel. 2,296,778; Sept. 22.
Battery, Explosionproof storage. H. N. Stover. 2,296,747; Sept. 22.
Bearing: *See*—
Spindle bearing.
Bell and spigot asphalt steel core pipe. J. K. MacKinnon. 2,296,560; Sept. 22.
Belt, Double-V. V. G. Reiling. 2,296,740; Sept. 22.
Belting and like products, Manufacture of. J. N. Smith and J. M. Bierer. 2,296,372; Sept. 22.
Binder, Loose leaf. J. Kahn. 2,296,526; Sept. 22.
Biological and simultaneous purification of waste liquors and their slimes. R. A. Henry. 2,296,523; Sept. 22.
Blasting plug. W. de C. Crater. 2,296,504; Sept. 22.
Block: *See*—
Quick-opening snatch block.
Bomb releasing shackle. R. I. Markey. 2,296,360; Sept. 26.
Book construction. O. B. Petersen. 2,296,797; Sept. 22.
Book, Match. A. Fischer. 2,296,510; Sept. 22.
Borehole tool. W. D. Mounce. 2,296,366; Sept. 22.
Bottle receiver. A. C. and P. F. Kohl. 2,296,444; Sept. 22.
Bottle stopper. P. R. Schillinger. 2,296,577; Sept. 22.
Bowling alley approach. R. E. Kennedy. 2,296,471; Sept. 22.
Box: *See*—
Cardboard box.
Boxes, Manufacturing multiple. W. H. Paxton. 2,296,685; Sept. 22.
Bracket: *See*—
Engine mounting bracket. Venetian blind bracket.
Bracket for swinging rods. A. A. Allen. 2,296,323; Sept. 22.
Brake lever, Hand. H. S. Jandus. 2,296,675; Sept. 22.
Brake mechanism. F. W. Hunyady. 2,296,673; Sept. 22.
Brassière. A. A. Glasser. 2,296,343; Sept. 22.
Briquette press. W. C. Goss. 2,296,516; Sept. 22.
Brush for cleaning perforated casing. C. J. Gibson. 2,296,514; Sept. 22.
Brush, Pocket clothes. A. S. Johnson. 2,296,525; Sept. 22.
Building construction. B. E. Balduf. 2,296,416; Sept. 22.
Building construction. O. E. Gibson and W. M. McNeil. 2,296,609; Sept. 22.
Bulb neck wiping device for lamps. R. B. Thomas. 2,296,801; Sept. 22.
Burner: *See*—
Gas burner.
Cable clamp. H. C. Nielsen. 2,296,567; Sept. 22.
Calculating device. A. G. Rosin. 2,296,799; Sept. 22.
Calculating machine. W. T. Gollwitzer. 2,296,276; Sept. 22.
Calculating machine. W. T. Gollwitzer. 2,296,278; Sept. 22.
Calculator. A. L. Thurston. 2,296,692; Sept. 22.
Calendar. H. V. Ylio. 2,296,551; Sept. 22.
Camera shutter and synchronizer testing. W. K. Kearsley. 2,296,676; Sept. 22.
Caoutchouc regeneration. H. and O. Ghez. 2,296,275; Sept. 22.
Capsule stripping apparatus. R. P. Scherer. 2,296,294; Sept. 22.
Car truck. W. P. Cox. 2,296,769–70; Sept. 22.
Carbon, Activating. J. W. Hassler and H. H. Richards. 2,296,438; Sept. 22.
Carbonaceous materials, Cracking. W. Michael and A. Buettner. 2,296,395; Sept. 22.
Carbureted emissive electrode. J. B. J. M. Abadie. 2,296,238; Sept. 22.
Carburetor. T. M. Ball. 2,296,697; Sept. 22.
Cardboard box. D. Levkoff. 2,296,389; Sept. 22.
Cardio-active substances and their production. W. Küssner. 2,296,677; Sept. 22.
Cartridge magazine for firearms. I. O. Mossberg. 2,296,729; Sept. 22.
Catalyst, Preparing. W. E. Spicer and R. N. Watts. 2,296,406; Sept. 22.
Cellulose films, Deep-drawing ethyl. R. S. McClurg and F. C. Dulmage, Jr. 2,296,723; Sept. 22.
Cement mixer and regulator. K. B. Diehl. 2,296,505; Sept. 22.
Chair or stool structures, Construction of. P. Roberts. 2,296,451; Sept. 22.
Charging device for internal combustion engines. A. Büchi. 2,296,268; Sept. 22.
Chemical clarification system, Gravity. A. M. Ray. 2,296,739; Sept. 22.
Chemical process. C. E. Hemminger. 2,296,386; Sept. 22.
Chlorine and a nitrate from nitrogen peroxide and a chlorate, Production of. H. A. Beekhuis, Jr. 2,296,762; Sept. 22.
Chlorine and metal nitrate, Production of. H. A. Beekhuis, Jr. 2,296,763; Sept. 22.
Cigarette making device. J. E. Crist. 2,296,772; Sept. 22.

Circuit: *See*—
Electronic timing circuit.
Circuit connector structure. W. E. Schauer. 2,296,454; Sept. 22.
Circuit control apparatus. J. B. Looney. 2,296,719; Sept. 22.
Circuit for automobiles, Stop light. T. N. Hemphill. 2,296,667; Sept. 22.
Circuit for rectified alternating current, Filter. N. F. Smith, Jr. 2,296,745; Sept. 22.
Circuit interrupting device. R. H. Earle. 2,296,708; Sept. 22.
Circuits for cathode ray tubes, Deflecting output. R. C. Moore. 2,296,727; Sept. 22.
Clamp: *See*—
Cable clamp.
Clamp applying tool. H. H. Helbush and E. I. Lipp. 2,296,439; Sept. 22.
Cleaner: *See*—
Vacuum cleaner.
Cleaning apparatus. F. Breckenridge. 2,296,263; Sept. 22.
Clip machine, Reinforcing. W. H. Smith. 2,296,483; Sept. 22.
Closure and operating same, Internal. C. W. Shields. 2,296,313; Sept. 22.
Closure for pressure vessels. T. Tinker. 2,296,620; Sept. 22.
Clutch: *See*—
Friction clutch.
Clutch and transmission operating mechanism. T. L. Mayrath. 2,296,289; Sept. 22.
Clutch control mechanism. H. E. Hruska. 2,296,282; Sept. 22.
Clutch operating mechanism. H. Nutt. 2,296,535; Sept. 22.
Clutch plate. G. I. Goodwin. 2,296,515; Sept. 22.
Coating composition. J. S. Cummings. 2,296,337; Sept. 22.
Coil handling apparatus. M. Morgan and L. W. Nash. 2,296,683; Sept. 22.
Coil, High frequency. N. M. Rust. 2,296,452; Sept. 22.
Coiner, Name. L. G. Rambin. 2,296,571; Sept. 22.
Colloid mill. L. H. Morehouse. 2,296,564; Sept. 22.
Combustion regulation. R. C. Mead. 2,296,448; Sept. 22.
Compass, Beam. M. H. Hamilton. 2,296,279; Sept. 22.
Concrete form. T. F. Keller. 2,296,352; Sept. 22.
Concrete product mold. W. J. Maxwell. 2,296,562; Sept. 22.
Concrete products, Molding. G. J. Saffert. 2,296,453; Sept. 22.
Connector: *See*—
Headlight connector. Wire connector.
Connector. R. N. Paige and C. E. Wade. 2,296,632; Sept. 22.
Container: *See*—
Reinforced molded fiber container.
Container. T. Barish. 2,296,327; Sept. 22.
Container. G. C. Erb. 2,296,430; Sept. 22.
Container closures, Manufacturing. J. J. Williams. 2,296,550; Sept. 22.
Container for medicament substance or the like. W. G. Beckers. 2,296,761; Sept. 22.
Control. C. G. Moller, 3d. 2,296,563; Sept. 22.
Control apparatus, Automatic. H. W. Ibbott. 2,296,714; Sept. 22.
Control apparatus for gaseous fuel burners, Safety. S. G. Eskin. 2,296,340; Sept. 22.
Control for hot water heaters. A. Bak. 2,296,325; Sept. 22.
Control switch. R. K. Engholdt. 2,296,381; Sept. 22.
Control system. F. E. Peacock. 2,296,568; Sept. 22.
Cooler spacer. C. W. Quiggle and F. M. Bouchard. 2,296,738; Sept. 22.
Cooling apparatus. H. P. Peterson. 2,296,570; Sept. 22.
Coop, Chicken. R. C. Aylor. 2,296,805; Sept. 22.
Copper-zinc alloy. M. G. Corson. 2,296,706; Sept. 22.
Corrosion inhibitor. D. R. Frey and A. K. Smith. 2,296,433; Sept. 22.
Coupling device, Panel. H. C. Fischer and A. H. W. Higgins. 2,296,782; Sept. 22.
Coupling means for coaxial cables. W. A. Bruno. 2,296,766; Sept. 22.
Cracking and reforming system. W. C. Dorsett. 2,296,601; Sept. 22.
Crank arm lengths in gas meters, Common means for adjusting plural. F. Whitworth. 2,296,485; Sept. 22.
Cultivator appliance for tractors. C. J. Carlson. 2,296,501; Sept. 22.
Cuprammonium-cellulose solution. P. H. Schlosser and K. R. Gray. 2,296,578; Sept. 22.
Cutter: *See*—
Staple fiber cutter.
Thimble tape presser and cutter.
Cutter head for feed grinders. S. R. Gately. 2,296,608; Sept. 22.
Cylinder and jacket construction for engines. C. L. Straub. 2,296,748; Sept. 22.
Dagger depressing mechanism. T. R. Nix and J. H. Calvert. 2,296,398; Sept. 22.
Deaerator. W. E. Steen and H. G. Smith. 2,296,543; Sept. 22.
Deck, Portable. C. O. Emerson. 2,296,779; Sept. 22.
Demonstrating device. A. R. Evans. 2,296,815; Sept. 22.
Demountable flower stand. J. D. Lombardi. 2,296,529; Sept. 22.
Designs upon pile fabrics, Impressing. W. R. Todd. 2,296,408; Sept. 22.
Detent. E. G. Wilton. 2,296,694; Sept. 22.
Detergent composition. C. R. Caryl. 2,296,767; Sept. 22.
Deterioration retarder. W. E. Messer. 2,296,363; Sept. 22.
Development and photographic compositions containing color forming compounds, Color forming. G. A. Dawson. 2,296,271; Sept. 22.
Device for rolling threads. K. Mutze. 2,296,565; Sept. 22.
Diffuser. F. L. Slade. 2,296,314; Sept. 22.
Dish, Composite soap. C. L. Ruhl. 2,296,576; Sept. 22.
Dispenser and refill, Tooth powder. P. C. P. Booty. 2,296,595; Sept. 22.
Display device, Sales. A. N. Guy. 2,296,345; Sept. 22.
Doffing apparatus, Automatic. F. A. Daniels. 2,296,339; Sept. 22.
Draft control for combustion heating systems. R. V. Wetzateon. 2,296,410; Sept. 22.
Drill: *See*—
Rock drill.
Drill attachment. L. R. Childress. 2,296,705; Sept. 22.
Drilling apparatus. C. E. Dittmer. 2,296,273; Sept. 22.
Drilling apparatus. F. H. Mueller and W. J. Bowan. 2,296,651; Sept. 22.
Drilling rigs, Method and equipment for moving. W. F. Bates and C. A. Yeatman. 2,296,659; Sept. 22.
Drive for turntables. F. R. van der Woude. 2,296,751; Sept. 22.
Driving connection with focusing mechanism. E. R. Greer and M. Garland. 2,296,518; Sept. 22.
Duplicating apparatus. S. Kokay. 2,296,472; Sept. 22.
Eggs when subjected to heat, Maintenance of the quality of infertile. G. F. Stewart. 2,296,544; Sept. 22.
Electric iron, Thermostatically controlled. W. A. Barnes. 2,296,591; Sept. 22.
Electric process for desalting mineral oil. E. I. Bailey. 2,296,239; Sept. 22.
Electric switch contact mounting. M. G. Dahl. 2,296,809; Sept. 22.
Electric time switch. F. W. Steiner. 2,296,407; Sept. 22.
Electric water light. Y. W. Leyde. 2,296,287; Sept. 22.
Electrical apparatus. M. Neuner. 2,296,684; Sept. 22.
Electrical control apparatus. C. F. Leathers. 2,296,286; Sept. 22.
Electrical terminal. J. F. Hearn. 2,296,346; Sept. 22.
Electrically fired borehole gun. R. R. Thompson. 2,296,318; Sept. 22.
Electrode holder. R. R. Reddick. 2,296,482; Sept. 22.
Electrodes of arc furnaces, Automatically controlling the. W. H. Payne. 2,296,734; Sept. 22.
Electrolytic process of making photosensitive mosaic screens. L. R. Koller. 2,296,616; Sept. 22.
Electrolytically deposited iron. J. L. Young. 2,296,757; Sept. 22.
Electromagnetic relay structure. P. H. Estes. 2,296,431; Sept. 22.
Electromagnetic vibration detector, Astatic. A. Wolf and L. G. Cowles. 2,296,754; Sept. 22.
Electronic timing circuit. G. Smiley. 2,296,580; Sept. 22.
Element of the wafer type, Pressure responsive. E. A. Giard. 2,296,435; Sept. 22.
Elevator unit for conveyors. E. D. Dahlman. 2,296,810; Sept. 22.
Embalming process. A. J. Salle. 2,296,539; Sept. 22.
Embossed articles, Manufacturing. E. S. Whetzel. 2,296,752; Sept. 22.
Engine: *See*—
Internal combustion engine. Self-timing piston electric engine.
Rotary engine.
Engine mounting bracket. L. W. Alfred. 2,296,487; Sept. 22.
Engine water circulating system. W. M. Hawkins, Jr. 2,296,641; Sept. 22.
Envelope seal, Glass. H. R. Seelen. 2,296,579; Sept. 22.
Exterminator, Weed. H. Cain. 2,296,500; Sept. 22.
Eyeshield. G. I. Fink. 2,296,634; Sept. 22.
Fabrics or the like, Cleaning. F. Breckenridge. 2,296,258; Sept. 22.
Fabrics, Seaming. F. G. Weisbecker and W. W. Fleming. 2,296,302; Sept. 22.
Fan construction for suction cleaners and the like. E. J. Kasper. 2,296,351; Sept. 22.
Fan, Screw. A. L. Millar. 2,296,682; Sept. 22.
Fastener: *See*—
Slide fastener.
Fertilizer, Device for spreading. J. B. Kucera. 2,296,474; Sept. 22.
Fiber cutting mechanism, Staple. H. H. Bitler. 2,296,252–3; Sept. 22.
Filing element. R. C. Finch. 2,296,244 5; Sept. 22.
Film file. W. N. de Sherbinin. 2,296,272; Sept. 22.
Films or deposits, Producing rubber. E. J. Gavatin and B. Steiger. 2,296,513; Sept. 22.
Filter. W. Neumann. 2,296,566; Sept. 22.

Filter. F. Zahn, Jr. 2,296,486; Sept. 22.
Filter lubrication fitting. G. H. Page. 2,296,400; Sept. 22.
Firearm. N. L. Brewer. 2,296,242; Sept. 22.
Fireplace. E. H. Kraus. 2,296,354; Sept. 22.
Flame hardening head. G. O. Gridley. 2,296,612; Sept. 22.
Fluid pressure creating device. L. L. Haynes. 2,296,385; Sept. 22.
Fluid pressure indicator. J. W. Wills. 2,296,411; Sept. 22.
Fluid valve. W. R. Oyston and J. L. Cloudsley. 2,296,732; Sept. 22.
Flux composition, Brazing. O. Horowitz. 2,296,442; Sept. 22.
Footwear. E. B. Ward. 2,296,547; Sept. 22.
Frame: *See*—
Pulpwood saw frame. Respirator frame.
Framing. J. H. Brown. 2,296,596; Sept. 22.
Framing means. E. S. Persson. 2,296,735; Sept. 22.
Friction clutch. H. V. Reed. 2,296,538; Sept. 22.
Friction pile capacities, Determining driven. T. R. Dames and W. W. Moore. 2,296,466; Sept. 22.
Fruit orienting device. G. W. Ashlock, Jr. 2,296,490; Sept. 22.
Fuel for internal combustion engines, Liquid. V. R. Kokatnur. 2,296,558; Sept. 22.
Fuel metering device. G. P. Schurz. 2,296,540; Sept. 22.
Funnel, Wind. G. Johnson. 2,296,350; Sept. 22.
Furnace: *See*—
Process furnace. Rotary furnace.
Furnace. G. A. Tichbourne. 2,296,545; Sept. 22.
Furnace and firing apparatus, Industrial. F. S. Bloom. 2,296,255–6; Sept. 22.
Furnace for heat treating metal, Pot. A. Heller. 2,296,440; Sept. 22.
Furnace wall, Suspended. W. H. Marchant. 2,296,391; Sept. 22.
Furniture, Outdoor. J. C. Feldman. 2,296,603; Sept. 22.
Fuse, Timing lag. G. R. Brown. 2,296,627; Sept. 22.
Game. E. V. P. Albosta. 2,296,623; Sept. 22.
Garment hanger, Collapsible. C. N. Bergstrom. 2,296,624; Sept. 22.
Gas burner. A. E. Martois. 2,296,475; Sept. 22.
Gas, Method of and apparatus for supplying. F. B. Hunt. 2,296,349; Sept. 22.
Gas turbine. L. F. G. Butler, E. Briggs, and E. Bowness. 2,296,701–3; Sept. 22.
Gaseous discharge device. W. E. Bahls. 2,296,324; Sept. 22.
Gases for metallurgical and like operations, Production of. R. A. Ghelardi and P. M. Hulme. 2,296,434; Sept. 22.
Gauge: *See*—
Liquid level gauge.
Gauge. J. A. Croston. 2,296,707; Sept. 22.
Gauge. F. C. Tanner. 2,296,749; Sept. 22.
Gear tooth chamfering machine. R. E. Cross. 2,296,270; Sept. 22.
Generator: *See*—
Steam generator.
Glass forming apparatus. E. H. Wellech. 2,296,321; Sept. 22.
Glass-to-metal seals, Making. D. W. Power. 2,296,307; Sept. 22.
Glass working apparatus. R. A. Hinkley and E. H. Wellech. 2,296,347; Sept. 22.
Glue for veneers and plywood, Production of. C. Schüllein. 2,296,742; Sept. 22.
Godet arrangement. J. J. Krehbiel. 2,296,473; Sept. 22.
Gravity balance. L. W. Blan. 2,296,330; Sept. 22.
Guard, Nail. M. S. Landsman. 2,296,795; Sept. 22.
Gun sling. A. A. Paolino. 2,296,733; Sept. 22.
Gyratory crushers, Feeding. O. G. Gruender. 2,296,280–1; Sept. 22.
Halogenated meta-dioxanes. E. Arundale and L. A. Mikeska. 2,296,376; Sept. 22.
Halomethyl aliphatic amino compounds and making them. E. Wolf. 2,296,412; Sept. 22.
Handle and hinge assembly, Door. F. Humer. 2,296,672; Sept. 22.
Handle attachment means for baby walkers. W. J. Baker and H. A. Konen. 2,296,415; Sept. 22.
Hanger: *See*—
Garment hanger.
Header mechanism. R. L. Wilcox. 2,296,693; Sept. 22.
Headlight connector. H. C. Doane. 2,296,631; Sept. 22.
Headlight connector. R. N. Falge. 2,296,633; Sept. 22.
Heat treating, Method of and apparatus for. A. C. Davidson. 2,296,380; Sept. 22.
Helmet, Safety. M. Dakin. 2,296,338; Sept. 22.
High frequency oscillator tube. N. Levin. 2,296,355; Sept. 22.
Highway guard. W. S. Ferguson. 2,296,432; Sept. 22.
Hinge. E. S. Persson. 2,296,736; Sept. 22.
Holder: *See*—
Electrode holder. Tool holder.
Hood control for motor cars. A. Claud-Mantle. 2,296,424; Sept. 22.
Hook for sewing machines, Rotary. D. A. Graesser. 2,296,661; Sept. 22.
Hook guard. A. Meisenheimer. 2,296,449; Sept. 22.
Hormones, Production of. T. Reichstein. 2,296,572; Sept. 22.
Housing for fuse devices. W. O. Schultz and A. G. Steinmayer. 2,296,653; Sept. 22.
Housing unit. L. T. Zell. 2,296,413; Sept. 22.
Hydraulic descaling. J. F. Komar. 2,296,715; Sept. 22.
Hydraulic pressure booster. J. H. McCormick. 2,296,647; Sept. 22.
Hydrocarbon oils, Cracking of. J. V. Marancik and H. Z. Martin. 2,296,722; Sept. 22.
Hydrocarbons, Production of. A. Scheuermann and E. Marecek. 2,296,405; Sept. 22.
Hydroxylation of unsaturated halides. L. Rosenstein. 2,296,687; Sept. 22.
Ice creeper. S. G. Bowman. 2,296,660; Sept. 22.
Ignition timer. L. W. Ray. 2,296,652; Sept. 22.
Impulse control. H. E. Williams and L. A. Durant. 2,296,549; Sept. 22.
Indicating mechanism, Direction. V. T. Wiglesworth. 2,296,588; Sept. 22.
Indicator: *See*—
Fluid pressure indicator. Radio azimuth indicator.
Indicator. A. L. Rand. 2,296,308; Sept. 22.
Indicator for finishing-machine screeds. J. E. Bushnell. 2,296,418; Sept. 22.
Infusion apparatus, especially adapted for brewing coffee. B. W. Gair. 2,296,607; Sept. 22.
Injection molding machine with inclined clamps. J. A. Muller and W. R. Tucker. 2,296,730; Sept. 22.
Insulator, Service drop. E. A. Mack. 2,296,679; Sept. 22.
Inter-geared means for adjusting plural crank arm lengths in gas meters. A. S. McIntire. 2,296,477; Sept. 22.
Interlocking block. G. A. Bourdelais and E. N. Noyes. 2,296,699; Sept. 22.
Internal combustion engine, Fuel-cooled. N. M. Jones. 2,296,790; Sept. 22.
Iron: *See*—
Electric iron.
Electrolytically deposited iron.
Iron and aluminum compounds, Recovering. L. F. Clark. 2,296,423; Sept. 22.
Knitted article and making same. F. G. Weisbecker. 2,296,301; Sept. 22.
Knitting machines employing auxiliary yarn, Widening on flat. S. C. Badders and C. Farrell. 2,296,590; Sept. 22.
Ladder, Jacob's. A. Hopp and R. H. Martin. 2,296,441; Sept. 22.
Laminated product. F. R. Grant and T. A. Tennyson. 2,296,712; Sept. 22.
Lamp: *See*—
Luminescent lamp.
Latch operating mechanism. C. E. Gaffney. 2,296,606; Sept. 22.
Laundry apparatus. S. R. Baird. 2,296,267; Sept. 22.
Laundry apparatus. F. Breckenridge. 2,296,259; Sept. 22.
Laundry apparatus. F. Breckenridge, H. E. Edwards, and S. R. Baird. 2,296,261; Sept. 22.
Laundry apparatus. F. Breckenridge. 2,296,264; Sept. 22.
Laundry apparatus. W. J. Russell. 2,296,265; Sept. 22.
Leakproof check or pump valve. W. E. Begley, Sr. 2,296,492; Sept. 22.
Life preserver—jacket or vest type. L. A. Straits. 2,296,583; Sept. 22.
Light: *See*—
Electric water light.
Lighter for range oil burners, Gas. J. De Nicola. 2,296,774; Sept. 22.
Lightning arrester. E. J. Wade. 2,296,621; Sept. 22.
Limiter, Noise. C. C. Martinelli. 2,296,393; Sept. 22.
Liner for cement and concrete forms. C. C. Heritage and W. B. Jones. 2,296,553; Sept. 22.
Liquid flow control. W. H. Green. 2,296,247; Sept. 22.
Liquid level gauge. M. M. Dickason. 2,296,812; Sept. 22.
Liquid phase halo-substitution of partially halogenated unsaturated organic compounds. G. W. Hearne. 2,296,614; Sept. 22.
Locomotive. C. L. Charbonneau. 2,296,465; Sept. 22.
Lubricated valve. F. H. Mueller and W. J. Bowan. 2,296,650; Sept. 22.
Lubricating composition. W. J. Sparks and D. C. Field. 2,296,315; Sept. 22.
Lubricating device. G. L. Moore and J. R. Steele. 2,296,365; Sept. 22.
Lumber, Artificially seasoning. W. Toney. 2,296,546; Sept. 22.
Luminescent lamp. H. W. Leverenz. 2,296,643; Sept. 22.
Machine for assembling carton partitions. P. C. B. Allen, J. E. Wilske, F. A. McCormick, and A. S. Jackson. 2,296,758; Sept. 22.
Machine for inserting spacers between the plates of storage batteries. A. D. Nichols. 2,296,479; Sept. 22.
Machine for loading and discharging containers. H. B. Thompson. 2,296,802; Sept. 22.

Machine for shaping uppers over lasts. B. Jorgensen. 2,296,283; Sept. 22.
Magnesium members, Joining. M. A. Miller. 2,296,396; Sept. 22.
Magnetic flux regulator. R. A. Braden. 2,296,764; Sept. 22.
Material, Conveying powdered. E. D. Reeves. 2,296,309; Sept. 22.
Material having the physiological activity of the corpus luteum hormone, Preparing. P. L. Julian and J. W. Cole. 2,296,284; Sept. 22.
Mats, Manufacturing floor. D. B. Cotterman. 2,296,502; Sept. 22.
Mattress or cushion, Spring edge. A. Krakauer. 2,296,559; Sept. 22.
Measuring apparatus. S. T. Lester. 2,296,820; Sept. 22.
Measuring apparatus. W. H. Wannamaker and E. A. Keeler. 2,296,409; Sept. 22.
Measuring chamber for metering fluids. J. W. Baker and E. C. Ashley. 2,296,491; Sept. 22.
Measuring instrument. R. T. McQueen. 2,296,531; Sept. 22.
Media, Growth promoting. H. Stummeyer. 2,296,584; Sept. 22.
Melting point materials, Separation of different. A. H. Schutte. 2,296,456–9; Sept. 22.
Metal flashing strip. C. H. Buetow. 2,296,499; Sept. 22.
Metal, Process of and apparatus for thermochemically working ferrous. R. S. Babcock and E. Meincke. 2,296,376; Sept. 22.
Metal products, Manufacture of. H. A. Brassert. 2,296,498; Sept. 22.
Metallic oxides, Reducing. J. C. Hartley. 2,296,522; Sept. 22.
Metallic salt coupler compound, Nondiffusing. W. D. Peterson. 2,296,306; Sept. 22.
Meter and range finder, Combined exposure. N. Miller. 2,296,292; Sept. 22.
Mill: *See*—
Attrition mill. Colloid mill.
Mill and cutter therefor, Box. R. E. Schoenberger. 2,296,688; Sept. 22.
Mineral oils, Refining. G. S. Bays, Jr., and J. L. Franklin, Jr. 2,296,417; Sept. 22.
Mirror and making the same. C. H. Dragert. 2,296,602; Sept. 22.
Mixing device, Liquid. F. Breckenridge. 2,296,266; Sept. 22.
Mold: *See*—
Concrete product mold.
Molding method and apparatus. C. D. Shaw. 2,296,295; Sept. 22.
Molding process. C. D. Shaw. 2,296,296; Sept. 22.
Motor: *See*—
Alternating current motor.
Motor mounting and filter construction, Suction cleaner. E. F. Martinet. 2,296,359; Sept. 22.
Motor vehicle. W. R. Griswold. 2,296,519–21; Sept. 22.
Mounting: *See*—
Electric switch contact mounting. Retractable auxiliary trailer wheel mounting.
Railway journal mounting.
Mounting and drive means for milling attachments. J. H. Richards. 2,296,573; Sept. 22.
Mounting for electric bells and the like. L. E. Richmond. 2,296,369; Sept. 22.
Mounting means for duplicating machines, Flexible plate. M. P. Neal. 2,296,533; Sept. 22.
Mouthpiece for sound producing devices. V. T. Hoeflich. 2,296,785; Sept. 22.
Mouthpiece for sound-producing devices. V. T. Hoeflich. 2,296,786; Sept. 22.
Multistage well pump. J. H. Puls. 2,296,821; Sept. 22.
Napkin, Sanitary. C. A. Fourness. 2,296,341; Sept. 22.
Nitrogen peroxide, Absorption of. H. A. Beekhuis, Jr. 2,296,328; Sept. 22.
Nozzle, Mixing. G. M. Kyprie. 2,296,718; Sept. 22.
Nozzle, Suction. T. C. Betts. 2,296,462; Sept. 22.
Nozzle, Suction. L. J. F. Eli. 2,296,429; Sept. 22.
Oil rings, Making. T. A. Bowers. 2,296,463; Sept. 22.
Oil, Stable breaking-in. P. J. Gaylor and E. L. Baldeschwieler. 2,296,342; Sept. 22.
Oiling system, Crankshaft. R. M. Magnuson. 2,296,644; Sept. 22.
Oils, Producing paraffinic. F. E. Frey, P. V. McKinney, and W. H. Wood. 2,296,511–12; Sept. 22.
Olefins, Hydration of. D. F. Babcock. 2,296,696; Sept. 22.
Ores, Separating. A. W. Ralston and E. W. Segebrecht. 2,296,368; Sept. 22.
Ornamental object, Illuminated. E. L. and L. E. Snyder. 2,296,746; Sept. 22.
Oscillating device. H. Von Kohorn. 2,296,319; Sept. 22.
Oven or the like, Rod baking. C. F. Mayer. 2,296,361; Sept. 22.
Oxidation products of α-tocopherol and preparing the same. E. Fernholz. 2,296,709; Sept. 22.
Oxygen administering apparatus. A. W. Bortin. 2,296,496; Sept. 22.
Package, Mailing. M. P. Junkin. 2,296,556; Sept. 22.
Package, Yarn. L. Campbell. 2,296,420; Sept. 22.
Packages, Forming. W. L. Hall. 2,296,664; Sept. 22.
Packing for meters and the like, Spindle. W. E. Steen. 2,296,542; Sept. 22.
Paint, Fluorescent. J. A. C. Yule. 2,296,589; Sept. 22.
Paraffin reaction. O. C. Slotterbeck and R. Rosen. 2,296,371; Sept. 22.
Parking signal. H. F. Schneider. 2,296,311; Sept. 22.
Pencil or crayon. W. E. Schroeder. 2,296,455; Sept. 22.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,296,600; Sept. 22.
Phase-sequence relaying. E. L. Harder. 2,296,784; Sept. 22.
Phonograph. E. A. Ash and R. H. Larson. 2,296,489; Sept. 22.
Phosphate, Colloidal. F. C. Jelen. 2,296,716; Sept. 22.
Photoelectric cell. C. W. Hewlett. 2,296,670; Sept. 22.
Photoelectric electronic tube. P. H. Craig and L. C. Herman. 2,296,269; Sept. 22.
Photographic system and apparatus. R. Stuart. 2,296,655; Sept. 22.
Photography, Color. H. P. Mixer. 2,296,617; Sept. 22.
Piano string support. H. Benioff. 2,296,698; Sept. 22.
Picture projecting machine. J. Guercio. 2,296,344; Sept. 22.
Pigment material and making the same, High surface hiding. M. L. Hanahan. 2,296,636–9; Sept. 22.
Pigment, Silicate treated titanium. G. D. Patterson. 2,296,618; Sept. 22.
Pigments, Dispersion of hydrophile. E. K. Fischer, E. G. Gluck, and W. B. Reynolds. 2,296,382; Sept. 22.
Pigments, Dispersing hydrophilic. D. M. Gans. 2,296,383; Sept. 22.
Pilot and valve control, Gas. D. B. Ragan. 2,296,686; Sept. 22.
Pipe: *See*—
Bell and spigot asphalt steel and core pipe.
Pipe structures, Making composite. J. K. MacKinnon. 2,296,561; Sept. 22.
Piston. W. Krämer. 2,296,388; Sept. 22.
Piston. W. F. Morgan. 2,296,478; Sept. 22.
Piston ring, Closed. T. A. Bowers. 2,296,332; Sept. 22.
Piston, Trunk. E. L. Kastler. 2,296,469; Sept. 22.
Pitcher manikin. C. A. Schuyler. 2,296,541; Sept. 22.
Plow. L. Forgy. 2,296,605; Sept. 22.
Plug: *See*—
Blasting plug.
Plug-cover for containers, Hinged. F. J. Costello. 2,296,599; Sept. 22.
Plywood tubing, Making. C. Farny. 2,296,781; Sept. 22.
Pocket piece. E. L. Halter and A. J. Krier. 2,296,665; Sept. 22.
Polymers of formaldehyde. P. R. Austin and C. E. Frank. 2,296,249; Sept. 22.
Polymers, Producing. M. Otto, and H. G. Schneider. 2,296,399; Sept. 22.
Powder, Abrasive scouring. P. W. Soderberg. 2,296,689–90; Sept. 22.
Power transmission. K. R. Herman and L. Zimmermann. 2,296,669; Sept. 22.
Power transmission. G. J. Huebner, Jr. 2,296,642; Sept. 22.
Power transmission mechanism. B. G. Horstmann. 2,296,788; Sept. 22.
Power transmission mechanism. T. L. Mayrath. 2,296,290; Sept. 22.
Power transmitting mechanism. V. K. Zworykin. 2,296,695; Sept. 22.
Press: *See*—
Briquette press.
Printing machine. W. T. Gollwitzer. 2,296,277; Sept. 22.
Process furnace. W. H. Marchant. 2,296,390; Sept. 22.
Propeller, Controllable-pitch. E. Martin and J. E. Anderson. 2,296,288; Sept. 22.
Propeller pitch control. W. S. Hoover. 2,296,348; Sept. 22.
Protective appliance for hair driers. M. Thompson. 2,296,484; Sept. 22.
Protector: *See*—
Athletic protector. Rim protector.
Pulpwood saw frame. A. N. Blum. 2,296,241; Sept. 22.
Pulverulent fuel. W. Hennicke. 2,296,668; Sept. 22.
Pump: *See*—
Multistage well pump.
Pump for internal combustion engines, Fuel injection. H. Links, S. Meiswinkel, and K. Schwaiger. 2,296,357; Sept. 22.
Pump operating mechanism. C. W. Sproull. 2,296,582; Sept. 22.
Quick-opening snatch block. J. Peterson. 2,296,569; Sept. 22.
Rack: *See*—
Utility rack.
Radio azimuth indicator. W. P. Lear. 2,296,285; Sept. 22.
Radio control device. L. J. Woods. 2,296,755; Sept. 22.
Rail transportation system. R. B. Crawford and M. L. Mather. 2,296,771; Sept. 22.
Railway journal mounting. J. L. Mohun. 2,296,726; Sept. 22.
Razor, Safety. H. W. Berg. 2,296,461; Sept. 22.
Record, Payroll. A. J. Branscom. 2,296,497; Sept. 22.
Recorder, Facsimile. W. G. H. Finch. 2,296,274; Sept. 22.
Rectifiers, Manufacture of alternating current. C. A. Rowley and A. Jenkins. 2,296,575; Sept. 22.

Reed, W. M. Peterson. 2,296,737; Sept. 22.
Refrigerating apparatus. E. E. McEwan. 2,296,725; Sept. 22.
Refrigerating apparatus. E. R. Wolfert. 2,296,304; Sept. 22.
Refrigerating apparatus, Making. A. A. McCormack. 2,296,724; Sept. 22.
Refrigeration control system. A. B. Newton. 2,296,534; Sept. 22.
Regulator: *See*—
Cement mixer and regulator. Magnetic flux regulator.
Reinforced molded fiber container. M. P. Chaplin. 2,296,808; Sept. 22.
Relay system monitor. C. W. Hansell. 2,296,384; Sept. 22.
Resilient piston ring. T. A. Bowers. 2,296,334; Sept. 22.
Respirator frame. C. H. Dockson. 2,296,775; Sept. 22.
Retail marketing device. H. F. and B. W. Branstetter. 2,296,700; Sept. 22.
Retractible auxiliary trailer wheel mounting. W. B. Johnson. 2,296,789; Sept. 22.
Revaporizer for liquefied gas systems, Safety. A. L. Tucker. 2,296,750; Sept. 22.
Rim protector. J. W. Trew. 2,296,803; Sept. 22.
Ring: *See*—
Piston ring. Resilient piston ring.
Ring means, Sealing. T. A. Bowers. 2,296,333; Sept. 22.
Rivet assembly. W. L. Keehn. 2,296,670; Sept. 22.
Rivet selector, Multistation. L. A. Ward. 2,296,658; Sept. 22.
Roadway shoulder retainer. E. E. Nyvall. 2,296,536; Sept. 22.
Rock drill. J. C. Curtis. 2,296,816; Sept. 22.
Rock drill. J. C. Curtis. 2,296,818; Sept. 22.
Rock drill. E. G. Gartin. 2,296,817; Sept. 22.
Rock drill. C. F. Osgood. 2,296,819; Sept. 22.
Roll, Equalizing guide. P. J. Wilton. 2,296,753; Sept. 22.
Rotary apparatus for pumping volatile liquids. O. A. Hansen. 2,296,640; Sept. 22.
Rotary engine. C. W. Cochran. 2,296,768; Sept. 22.
Rotary furnace. S. F. Keener and R. E. Buckholdt. 2,296,791; Sept. 22.
Rubber substitute and manufacturing same. R. Brown. 2,296,464; Sept. 22.
Sash and store front construction. C. D. Lowry. 2,296,720; Sept. 22.
Saw, Chain. A. N. Blum. 2,296,240; Sept. 22.
Scoring apparatus, Game. A. F. Eckert. 2,296,508; Sept. 22.
Scraper, Foot. K. E. Coppock. 2,296,629; Sept. 22.
Sealing head, High pressure. F. K. Fischer. 2,296,710; Sept. 22.
Seaming. F. G. Weisbecker. 2,296,303; Sept. 22.
Self-timing piston electric engine. A. K. Hinchman. 2,296,554; Sept. 22.
Serving device. W. J. Turoczy. 2,296,586; Sept. 22.
Sewing machine hemmer. J. P. Enos. 2,296,509; Sept. 22.
Sheets of cellulose acetate and the like, Embossing. D. F. Winnek. 2,296,804; Sept. 22.
Sheets of chemically blown rubber, Manufacture of thin. D. Roberts. 2,296,305; Sept. 22.
Side door construction for dry ice service refrigeration cars. W. C. Dunham. 2,296,813; Sept. 22.
Sifting. P. Naeher. 2,296,293; Sept. 22.
Signal: *See*—
Parking signal. Vehicle signal.
Signal amplifying system. A. D. Blumlein. 2,296,626; Sept. 22.
Signal system. B. J. Kinsburg. 2,296,353; Sept. 22.
Signaling device, Direction. H. B. Tobias. 2,296,585; Sept. 22.
Signaling system. A. E. Melhose. 2,296,362; Sept. 22.
Slicing machine. C. F. M. Van Berkel. 2,296,587; Sept. 22.
Slide fastener. J. N. Feist. 2,296,468; Sept. 22.
Socket for high voltage gaseous discharge tubes. R. E. Barclay. 2,296,326; Sept. 22.
Socket, Lamp. P. W. Kridler. 2,296,717; Sept. 22.
Softeners for halogen-containing high-molecular weight, organic compounds. M. Bogemann and J. Nelles. 2,296,331; Sept. 22.
Speed reclosing mechanism, High. C. Thumim. 2,296,300; Sept. 22.
Spindle bearing. G. H. Reid. 2,296,798; Sept. 22.
Spindle, Winding. J. N. Greenaway, Jr. 2,296,662; Sept. 22.
Spoon and bottle opener, Combination. L. E. Ressegger. 2,296,404; Sept. 22.
Sprag. C. F. Rauen. 2,296,619; Sept. 22.
Spring unit, Marshall. P. Cavaler. 2,296,807; Sept. 22.
Sprinkler, Clothes. E. A. Ebert. 2,296,814; Sept. 22.
Stanchion, Antiwing shoulder. J. B. Olson. 2,296,481; Sept. 22.
Stand: *See*—
Demountable flower stand.
Staple fiber cutter. R. A. Smith. 2,296,297; Sept. 22.
Staple fiber cutter. J. E. Spalding, and D. B. Wicke. 2,296,298; Sept. 22.
Stapler. W F. Rodgers. 2,296,574; Sept. 22.
Stapling machine. S. S. Bernstein. 2,296,493; Sept. 22.
Stay for caps, Adjustable. J. Wax and M Greenberg. 2,296,373; Sept. 22.
Steam generating system. J. G. Coutant. 2,296,426; Sept. 22.
Steam generating unit. E. H. Vicary. 2,296,656; Sept. 22.
Steam generator. J. Blizard. 2,296,254; Sept. 22.
Steam trap. W. M. Acker. 2,296,248; Sept. 22.
Step by step switch. G. J. Barry. 2,296,760; Sept. 22.
Stereoscopic display device. R. V. Brost. 2,296,765; Sept. 22.
Stop mechanism for grinding machines. R. H. Mustonen. 2,296,731; Sept. 22.
Stove and the like, Heating. A. F. Zerin. 2,296,552; Sept. 22.
Stove, Heating. L. L. Lowe. 2,296,447; Sept. 22.
Strainer and drain valve structure, Combined. F. C. Kuhnle. 2,296,527; Sept. 22.
Straw, Treatment of flax. C. C. Heritage. 2,296,524; Sept. 22.
Submarine raising apparatus. S. Holterud. 2,296,787; Sept. 22.
Support: *See*—
Piano string support.
Support for cameras or the like. C. W. Ingels. 2,296,674; Sept. 22.
Suppository. S. Klinghoffer. 2,296,557; Sept. 22.
Surgical instrument. R. E. Blais and G. U. Le Moine. 2,296,594; Sept. 22.
Surgical retractor. H. M. Kirschbaum. 2,296,793; Sept. 22.
Switch: *See*—
Control switch. Thermal responsive switch.
Electric time switch.
Step by step switch.
Switch. V. Weber. 2,296,374; Sept. 22.
Switchboard cord bag. F. E. Babbitt. 2,296,759; Sept. 22.
Synthetic polyamides, Production of. E. Hubert and H. Ludewig. 2,296,555; Sept. 22.
System for transmitting angular motion. De Witt R. Goddard. 2,296,436; Sept. 22.
Table: *See*—
Bath stand and dressing table.
Tank construction, Storage. L. Albrecht. 2,296,414; Sept. 22.
Target throwing mechanism. H. F. Mossberg. 2,296,728; Sept. 22.
Telephone system. G. C. Reier, and A. Tradup. 2,296,310; Sept. 22.
Temperature regulating system. J. T. Carlson. 2,296,704; Sept. 22.
Tent. D. Marinsky, and L. H. Morin. 2,296,358; Sept. 22.
Testing apparatus, Surface. D. A. Wallace. 2,296,657; Sept. 22.
Textile material. C. M. Croft. 2,296,379; Sept. 22.
Therapeutic compound. R. D. Barnard. 2,296,377; Sept. 22.
Thermal responsive switch. C. W. Kuhn. 2,296,445; Sept. 22.
Thermoelectric safety shutoff device. H. F. Alfery. 2,296,322; Sept. 22.
Thimble tape presser and cutter. M. Gruber. 2,296,663; Sept. 22.
Throttle control. V. E. Matulaitis. 2,296,646; Sept. 22.
Tire bagging, curing, and debagging unit, Combination. L. E. Soderquist. 2,296,800; Sept. 22.
Tonoscope. C. F. Elton. 2,296,777; Sept. 22.
Tool: *See*—
Borehole tool. Well tool.
Clamp applying tool.
Tool drive. J. E. Waldo. 2,296,320; Sept. 22.
Tool holder. B. J. Carr. 2,296,597; Sept. 22.
Torque-controlled transmission. C. H. Mekeel, Jr. 2,296,532; Sept. 22.
Traffic guard. E. V. Camp. 2,296,419; Sept. 22.
Transfer device, Load. R. C. Yeoman. 2,296,756; Sept. 22.
Transmission, Automatic. I. Stein and M. Rodin. 2,296,654; Sept. 22.
Trap: *See*—
Steam trap.
Treatment for wood, Antishrink. A. J. Stamm. 2,296,316; Sept. 22.
Trimming machine. W. F. Green. 2,296,517; Sept. 22.
Truck, Lift. D. A. Grassick. 2,296,610; Sept. 22.
Tube: *See*—
High frequency oscillator Photoelectric electronic tube.
Tuning mechanism. H. J. Lyman, and D. C. Manning. 2,296,721; Sept. 22.
Ultra high frequency device. E. G. Linder. 2,296,678; Sept. 22.
Umbrella, Folding or collapsible. H. Haupt. 2,296,666; Sept. 22.
Universal impulse unit. H. E. Williams, and L. A. Durant. 2,296,548; Sept. 22.
Utility rack. W. M. Docker. 2,296,506; Sept. 22.
Vacuum cleaner. R. C. Lampe. 2,296,446; Sept. 22.
Vacuum cleaner. F. Riebel, Jr. 2,296,450; Sept. 22.
Valve: *See*—
Fluid valve. Lubricated valve.
Leakproof check or pump valve.
Valve for high and low pressure and temperature release, Automatic shutoff. M. McMahon. 2,296,648; Sept. 22.

Valve mechanism, Tire inflator. C. E. Wehe. 2,296,622; Sept. 22.
Valve seat inserts, Forming. C. B. McDonald. 2,296,460; Sept. 22.
Valve structure, Lubricated. F. H. Mueller, and W. J. Bowan. 2,296,649; Sept. 22.
Variable authenticator. E. J. Sheehy and E. L. Totten. 2,296,312; Sept. 22.
Vegetable oils, Treating. N. F. Kruse, E. B. Oberg, W. E. Mann, H. R. Kraybill, and K. E. Eldridge. 2,296,794; Sept. 22.
Vehicle: *See*—
Motor vehicle.
Vehicle lifting device. G. E. Donaldson. 2,296,507; Sept. 22.
Vehicle signal. G. D. Nelson. 2,296,367; Sept. 22.
Vending machine. C. Gabrielsen. 2,296,246; Sept. 22.
Venetian blind bracket. A. Bird and C. J. Strebel. 2,296,625; Sept. 22.
Ventilator. A. F. Foehrenbach, D. B. Buergin, and D. K. Macleod. 2,296,635; Sept. 22.
Viscose, Production of. R. Bartunek and J. J. Stoeckly. 2,296,378; Sept. 22.
Volatile liquids, Dispensing. W. D. Cook. 2,296,598; Sept. 22.
Voting machine. A. N. Gustavson. 2,296,613; Sept. 22.
Wall panel, Heat-resistant. W. H. Marchant. 2,296,392; Sept. 22.
Washboard. S. Steinmetz, and I. E. Schine. 2,296,299; Sept. 22.
Washing apparatus. F. Breckenridge and E. K. Clark. 2,296,262; Sept. 22.
Water insoluble organic compounds dispersed in an aqueous vehicle, Polymerization of. A. Renfrew and W. F. F. Gates. 2,296,403; Sept. 22.
Water protection of pressure governors for pipe lines. E. Dutch. 2,296,428; Sept. 22.
Water soluble derivative of vitamin D. N. A. Milas. 2,296,291; Sept. 22.
Water treating apparatus. W. H. Hinsch. 2,296,713; Sept. 22.
Water treatment and apparatus. W. H. Green. 2,296,437; Sept. 22.
Wave control and control circuits. M. G. Crosby. 2,296,630; Sept. 22.
Welding device. A. R. Swenson. 2,296,317; Sept. 22.
Well tool. A. Muhlbach, 2,296,397; Sept. 22.
Wheel brake structure. C. Hollerith. 2,296,671; Sept. 22.
Winding apparatus. L. Campbell. 2,296,421; Sept. 22.
Winding device for punched strip stock. W. M. Anderson. 2,296,488; Sept. 22.
Window, Double glazed. C. T. Cresswell. 2,296,243; Sept. 22.
Window regulator construction. W. C. Devereaux. 2,296,811; Sept. 22.
Window screen hanger set. C. D. Peake. 2,296,537; Sept. 22.
Wire connector. W. C. Kleinfelder. 2,296,443; Sept. 22.
Wood preservative. H. C. Perkins. 2,296,401; Sept. 22.
Wrench. J. Fella. 2,296,604; Sept. 22.
Wringer release. N. L. Etten. 2,296,780; Sept. 22.
Yarn, Manufacture of novelty artificial. D. T. Meloon. 2,296,394; Sept. 22.
Yarn, Treatment of. A. S. Bell and J. R. Wylde. 2,296,329; Sept. 22.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 22, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 49: 2,296,493
2,296,574
2— 3: 2,296,335
14: 2,296,634
42: 2,296,343
190: 2,296,373
4— 177: 2,296,592
287: 2,296,527
5— 351: 2,296,559
353: 2,296,807
7— 14.6: 2,296,404
8— 14: 2,296,379
132: 2,296,394
159: 2,296,258
9— 8.3: 2,296,287
17: 2,296,583
10— 12: 2,296,693
12— 1: 2,296,517
4: 2,296,283
15— 7: 2,296,801
16: 2,296,450
155: 2,296,462
158: 2,296,429
184: 2,296,525
16—128.1: 2,296,424
135: 2,296,243
142: 2,296,736
171: 2,296,537
18— 5: 2,296,516
8: 2,296,473
17: 2,296,800
21: 2,296,294
30: 2,296,295
2,296,730
35: 2,296,744
53: 2,296,305
2,296,372
55: 2,296,296
56: 2,296,723
2,296,804
58: 2,296,513
19— 7: 2,296,524
20— 2: 2,296,413
4: 2,296,416
21: 2,296,813
56.4: 2,296,720
57.5: 2,296,467
21— 9: 2,296,316
23— 102: 2,296,762
2,296,763
106: 2,296,716
109: 2,296,494
2,296,495
123: 2,296,423
157: 2,296,328
24— 124: 2,296,567
205: 2,296,468
25— 22: 2,296,364
38: 2,296,561
118: 2,296,352
121: 2,296,562
122: 2,296,553
154: 2,296,453
27— 22: 2,296,539
28— 50: 2,296,329
29— 57: 2,296,688
84: 2,296,439
2,296,479
96: 2,296,597
153.1: 2,296,743
156: 2,296,724
156.6: 2,296,463
156.7: 2,296,460
30— 52: 2,296,461
33— 75: 2,296,531
2,296,692
147: 2,296,749
159: 2,296,279
172: 2,296,707
33— 174: 2,296,820
34— 15: 2,296,546
90: 2,296,494
35— 1: 2,296,571
3: 2,296,312
19: 2,296,815
51: 2,296,345
56: 2,296,665
36— 62: 2,296,660
71: 2,296,547
40— 112: 2,296,551
154: 2,296,596
41— 21: 2,296,752
42— 3: 2,296,242
50: 2,296,729
85: 2,296,733
44— 1: 2,296,668
57: 2,296,558
45— 28: 2,296,576
46— 145: 2,296,541
181: 2,296,785
2,296,786
47— 49: 2,296,500
48— 95: 2,296,796
49— 2: 2,296,347
7: 2,296,321
55: 2,296,711
78: 2,296,579
50— 27: 2,296,428
51— 92: 2,296,731
194: 2,296,615
53— 3: 2,296,607
56— 25: Re.22,182
60— 12: 2,296,695
13: 2,296,268
41: 2,296,702
53: 2,296,336
61— 1: 2,296,598
2,296,750
4: 2,296,304
2,296,534
2,296,822
6: 2,296,530
2,296,680
2,296,741
91.5: 2,296,349
108.5: 2,296,327
134: 2,296,725
65— 61: 2,296,586
66— 89: 2,296,590
178: 2,296,303
185: 2,296,301
187: 2,296,302
68— 3: 2,296,265
12: 2,296,262
2,296,263
17: 2,296,264
24: 2,296,257
2,296,259
2,296,260
2,296,261
2,296,267
226: 2,296,299
235: 2,296,449
263: 2,296,780
70— 208: 2,296,600
71— 2: 2,296,584
72— 38: 2,296,699
101: 2,296,391
2,296,392
118: 2,296,609
127: 2,296,499
73— 51: 2,296,466
198: 2,296,540
281: 2,296,476
2,296,477
2,296,485
321: 2,296,812
74— 1: 2,296,714
74— 155: 2,296,760
207: 2,296,751
234: 2,296,740
259: 2,296,532
2,296,654
298: 2,296,519
2,296,520
2,296,521
385: 2,296,518
472: 2,296,646
501: 2,296,367
516: 2,296,675
530: 2,296,694
75— 33: 2,296,522
91: 2,296,498
96: 2,296,434
155: 2,296,706
77— 38: 2,296,651
78— 46: 2,296,658
80— 6: 2,296,565
43: 2,296,683
81— 106: 2,296,604
83— 6: 2,296,608
9: 2,296,402
10: 2,296,280
13: 2,296,564
94: 2,296,281
84— 211: 2,296,696
383: 2,296,737
85— 40: 2,296,470
88— 14: 2,296,777
23: 2,296,292
24: 2,296,655
28: 2,296,344
31: 2,296,765
105: 2,296,602
89— 1.5: 2,296,360
90— 1.4: 2,296,270
17: 2,296,573
93— 37: 2,296,758
94— 8: 2,296,756
13: 2,296,779
31: 2,296,536
45: 2,296,418
95— 2: 2,296,617
6: 2,296,271
2,296,306
97— 47: 2,296,501
123: 2,296,605
98— 40: 2,296,314
64: 2,296,350
94: 2,296,635
99— 181: 2,296,664
101— 58: 2,296,277
132.5: 2,296,472
415.1: 2,296,533
102— 30: 2,296,504
103— 5: 2,296,669
35: 2,296,385
96: 2,296,640
194: 2,296,821
104— 138: 2,296,771
105— 117: 2,296,465
190: 2,296,769
197.2: 2,296,770
106— 127: 2,296,742
167: 2,296,578
195: 2,296,337
295: 2,296,636
2,296,639
298: 2,296,638
300: 2,296,618
306: 2,296,382
2,296,383
2,296,637
112— 141: 2,296,509
173: 2,296,783
256: 2,296,661
113— 121: 2,296,550
114— 16.8: 2,296,787
116— 28: 2,296,311
130: 2,296,308
119— 35: 2,296,544
140: 2,296,593
150: 2,296,481
120— 83: 2,296,455
121— 69: 2,296,491
157: 2,296,582
2,296,647
122— 336: 2,296,656
356: 2,296,390
2,296,426
478: 2,296,254
123— 8: 2,296,768
133: 2,296,790
139: 2,296,357
173: 2,296,748
174: 2,296,641
124— 8: 2,296,728
126— 73: 2,296,447
74: 2,296,552
108: 2,296,545
121: 2,296,354
128— 1.1: 2,296,557
20: 2,296,793
145: 2,296,338
146: 2,296,775
191: 2,296,496
272: 2,296,761
290: 2,296,341
346: 2,296,594
129— 16.7: 2,296,244
2,296,245
20: 2,296,272
38: 2,296,526
131— 73: 2,296,772
132— 88.5: 2,296,795
135— 1: 2,296,358
26: 2,296,666
136— 6: 2,296,778
89: 2,296,670
179: 2,296,747
137— 69.5: 2,296,622
78: 2,296,568
101: 2,296,248
144: 2,296,322
153: 2,296,648
138— 85: 2,296,560
139— 347: 2,296,398
143— 32: 2,296,240
144— 309: 2,296,685
2,296,781
146— 94: 2,296,587
148— 9: 2,296,376
16: 2,296,380
26: 2,296,396
2,296,442
153— 2: 2,296,483
21: 2,296,451
154— 2: 2,296,408
2,296,502
50: 2,296,712
155— 53: 2,296,603
198: 2,296,628
158— 81: 2,296,774
106: 2,296,475
115: 2,296,686
117.1: 2,296,340
160— 19: 2,296,625
164— 0.5: 2,296,318
17: 2,296,298
36: 2,296,253
2,296,297
61: 2,296,252
68: 2,296,719
166— 2: Re.22,180
18: 2,296,514
167— 38.7: 2,296,401
170— 159: 2,296,682
163: 2,296,288
2,296,348
171— 242: 2,296,452
172— 126: 2,296,554
239: 2,296,436
2,296,549
274: 2,296,776
173— 324: 2,296,346
328: 2,296,326
2,296,631
2,296,632
2,296,633
2,296,717
334: 2,296,454
338: 2,296,369
174— 22: 2,296,766
44: 2,296,679
175— 30: 2,296,621
183: 2,296,409
294: Re.22,179
2,296,300
2,296,784
363: 2,296,745
366: 2,296,575
176— 122: 2,296,643
126: 2,296,238
177— 337: 2,296,667
339: 2,296,585
352: 2,296,754
380: 2,296,548
384: 2,296,508
178— 6.6: 2,296,274
7.5: 2,296,393
44: 2,296,353
179— 4: 2,296,362
27: 2,296,310
95: 2,296,759
171: 2,296,626
171.5: 2,296,630
183— 2.5: 2,296,543
37: 2,296,359
110: 2,296,566
184— 3: 2,296,365
6: 2,296,644
2,296,703
105: 2,296,400
185— 43: 2,296,788
188— 18: 2,296,571
78: 2,296,673
189— 34: 2,296,782
78: 2,296,735
192— .01: 2,296,282
2,296,290
3.2: 2,296,642
3.5: 2,296,289
4: 2,296,619
43.2: 2,296,320
68: 2,296,538
99: 2,296,535
107: 2,296,515
193— 32: 2,296,444
196— 10: 2,296,370
2,296,371
2,296,511
2,296,512
15: 2,296,739
18: 2,296,417
52: 2,296,386
2,296,395
2,296,722
66: 2,296,601
198— 26: 2,296,425
33: 2,296,490
2,296,645
197: 2,296,810
200— 39: 2,296,407
53: 2,296,563
58: 2,296,411
200— 59: 2,296,588
81: 2,296,528
83: 2,296,374
2,296,445
87: 2,296,684
104: 2,296,431
115: 2,296,708
123: 2,296,627
133: 2,296,653
144: 2,296,286
153: 2,296,381
166: 2,296,809
204— 15: 2,296,616
112: 2,296,757
163: 2,296,614
190: 2,296,239
206— 29: 2,296,510
209— 207: 2,296,368
323: 2,296,293
210— 5: 2,296,523
16: 2,296,437
40: 2,296,713
130: 2,296,247
167: 2,296,486
211— 13: 2,296,506
214— 1: 2,296,691
65.4: 2,296,610
75: 2,296,611
152: 2,296,659
215— 21: 2,296,577
216— 61: 2,296,663
217— 3: 2,296,803
59: 2,296,805
219— 4: 2,296,317
8: 2,296,482
25: 2,296,591
220— 18: 2,296,700
22: 2,296,738
31: 2,296,599
36: 2,296,313
46: 2,296,620
2,296,710
48: 2,296,430
71: 2,296,414
221— 65: 2,296,595
223— 87: 2,296,624
226— 14: 2,296,802
228— 40: 2,296,441
229— 2.5: 2,296,808
16: 2,296,556
27: 2,296,389
230— 116: 2,296,701
132: 2,296,351
2,296,446
234— 36.5: 2,296,676
235— 61: 2,296,799
61.6: 2,296,276
2,296,278
236— 1: 2,296,410
2,296,448
12: 2,296,266
15: 2,296,255
2,296,256
2,296,792
18: 2,296,325
74: 2,296,704
240— 10: 2,296,746
242— 19: 2,296,339
43: 2,296,319
2,296,421
75: 2,296,753
78: 2,296,488
112: 2,296,662
159: 2,296,420
244— 17: 2,296,250
18: 2,296,251
248— 16: 2,296,487
180: 2,296,674
197: 2,296,529

248—	265: 2,296,323	252—	56: 2,296,315	259—	107: 2,296,581	260—	449: 2,296,406	274—	9: Re.22,183	297—	9: 2,296,435
250—	11: 2,296,285		116: 2,296,690		165: 2,296,505		485: 2,296,823		2,296,489	299—	83: 2,296,718
	14: 2,296,755		131: 2,296,689	260—	32: 2,296,427		633: 2,296,687	275—	6: 2,296,474		88: 2,296,773
	15: 2,296,384		138: 2,296,767		36: 2,296,331		641: 2,296,696	277—	45: 2,296,732		95: 2,296,814
	27: 2,296,560		250: 2,296,406		64: 2,296,249		718: 2,296,275	280—	33.4: 2,296,789		154: 2,296,715
		2,296,727		298: 2,296,438		78: 2,296,555		810: 2,296,363		59: 2,296,415	302—	50: 2,296,309
	27.5: 2,296,307		303: 2,296,456		82: 2,296,399	261—	23: 2,296,697		61: 2,296,705	308—	33: 2,296,726
		2,296,324		2,296,457		83: 2,296,403	263—	7: 2,296,791		124: 2,296,681		159: 2,296,798
	33: 2,296,356			2,296,458		105: 2,296,503		8: 2,296,806		164: 2,296,629		235: 2,296,652
	36: 2,296,678			2,296,459		112: 2,296,464		10: 2,296,361	281—	9: 2,296,613	309—	12: 2,296,388
		2,296,764	341:	2,296,600		113: 2,296,377		11: 2,296,440		16: 2,296,797		15: 2,296,478
	40: 2,296,721		254—	193: 2,296,599		210: 2,296,677	265—	1.4: 2,296,330	282—	12: 2,296,497		20: 2,296,460
	41.5: 2,296,269		255—	45: 2,296,816		218: 2,296,378		10: 2,296,657	285—	91: Re.22,181		44: 2,296,332
	81: 2,296,589			2,296,817		295: 2,296,412	266—	4: 2,296,612	286—	9: 2,296,542		2,296,334
	161: 2,296,355			2,296,818		338: 2,296,376		5: 2,296,387	287—	58: 2,296,241		45: 2,296,333
251—	93: 2,296,649			2,296,819		397.1: 2,296,572		18: 2,296,422		78: 2,296,443	312—	94: 2,296,246
		2,296,650		47: 2,296,273		397.2: 2,296,291		23: 2,296,480	294—	65.5: 2,296,366	314—	61: 2,296,734
	144: 2,296,492		256—	13.1: 2,296,419			2,296,794	268—	126: 2,296,811		83: 2,296,507	
252—	34: 2,296,342			2,296,432		397.3: 2,296,284		273—	51: 2,296,471		116: 2,296,397	
	47: 2,296,433		257—	236: 2,296,570		413: 2,296,709			135: 2,296,623	296—	44: 2,296,672	

This list shows the correct classification of the patents wherein the classification given in the patent head has been changed.

2,296,247:	210— 130	2,296,382:	106— 308	2,296,483:	153— 2	2,296,625:	160— 19	2,296,705:	280— 61	2,296,805:	217— 59
2,296,267:	68— 24	2,296,385:	103— 35	2,296,488:	242— 78	2,296,634:	2— 14	2,296,713:	210— 40	2,296,808:	263— 8
2,296,278:	235— 61.6	2,296,388:	309— 12	2,296,523:	210— 5	2,296,636:	106— 295	2,296,725:	62— 134	2,296,816:	256— 45
2,296,293:	309— 323	2,296,404:	7— 14.6	2,296,534:	19— 7	2,296,639:	106— 295	2,296,734:	314— 61	2,296,817:	255— 45
2,296,315:	252— 56	2,296,406:	252— 250	2,296,556:	220— 16	2,296,640:	103— 96	2,296,742:	106— 127	2,296,818:	255— 45
2,296,320:	192— 43.2	2,296,415:	280— 59	2,296,561:	25— 38	2,296,664:	99— 181	2,296,752:	41— 31	2,296,819:	255— 45
2,296,342:	252— 34	2,296,428:	22— 123	2,296,576:	45— 28	2,296,669:	103— 5	2,296,753:	242— 75	2,296,821:	109— 194
2,296,355:	260— 161	2,296,433:	252— 47	2,296,602:	88— 105	2,296,689:	252— 131	2,296,774:	158— 81		
2,296,363:	260— 810	2,296,453:	25— 154	2,296,614:	204— 163	2,296,700:	220— 18	2,296,785:	46— 181		
2,296,373:	2— 199	2,296,467:	20— 57.5	2,296,622:	137— 69.5	2,296,702:	60— 41	2,296,786:	46— 181		

U. S. GOVERNMENT PRINTING OFFICE: 1942

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aktiebolaget Orrefors Glasbruk, Orrefors, Sweden. Lamp globes, lamp shades, lamp lenses, etc. Serial No. 436,984; Sept. 29. Class 34.

Alliance Manufacturing Company, The, Alliance, Ohio. Machine tools, dies, jigs, etc. Serial No. 454,000; Sept. 29. Class 23.

American Smelting and Refining Company, New York, N. Y. Non-ferrous metal alloys. Serial No. 452,949; Sept. 29. Class 14.

Artloom Corporation, Philadelphia, Pa. Carpets and rugs. Serial No. 452,366; Sept 29. Class 42.

Best & Co. Inc., New York, N. Y. Women's, misses', and children's hats, dresses, coats, etc. Serial No. 454,628; Sept. 29. Class 39.

Border Packing Corporation, Brownsville, Tex. Canned grape fruit juice, blended orange and grape fruit juices, and canned orange juice. Serial No. 454,499; Sept. 29. Class 46.

Borges, Harold V., Oakland, Calif. Toy figures. Serial No. 447,503; Sept. 29. Class 22.

Brown Manufacturing Company, Le Roy, N. Y. Preparation for the relief of colds. Serial No. 454,411; Sept. 29. Class 6.

Browning King & Co., of New York, Inc., New York, N. Y. Men's and boys' suits, overcoats, topcoats, etc. Serial No. 446,448; Sept. 29. Class 39.

Bulldog Electric Products Co., Detroit, Mich. Electrical conduit. Serial No. 453,578; Sept. 29. Class 21.

Burton Paper Products Corp., New York, N. Y. Paper rolls for adding and calculating machines. Serial No. 454,112; Sept. 29. Class 37.

Canadian American Spirits Corp., Jersey City, N. J. Whiskey. Serial No. 454,132; Sept. 29. Class 49.

Cerral, Enero, St. George, Staten Island, N. Y. Hair preparation. Serial No. 447,870; Sept. 29. Class 6.

Concord Cheese Corporation, Fond du Lac, Wis. Cheese. Serial No. 453,139; Sept. 29. Class 46.

Cushing, Charles G. (See Delta Manufacturing Company, The, assignor.)

De Laval Separator Company, The, New York, N. Y. Centrifugal separators. Serial No. 450,356; Sept. 29. Class 23.

Delta Manufacturing Company, The, assignor to M. Field, C. G. Cushing, and H. C. Stuckeman, a general partnership doing business as The Delta Manufacturing Company, Milwaukee, Wis. Electric motors and switch box covers. Serial No. 445,383; Sept. 29. Class 21.

Dietz, William H., Pittsburgh, Pa. Novelty cards. Serial No. 446,193; Sept. 29. Class 38.

Duro-Test Corporation, North Bergen, N. J. Fluorescent lighting fixtures. Serial No. 454,302; Sept. 29. Class 21.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Hand trucks for tripods. Serial No. 451,807; Sept. 29. Class 19.

Fansteel Metallurgical Corporation, North Chicago, Ill. Tools and parts of tools. Serial No. 427,836; Sept. 29. Class 23.

Field, George E., doing business as Pastura Mfg. Co., Altmar, N. Y. Insecticides and tonic for livestock. Serial No. 453,240; Sept. 29. Class 6.

Field, Marshall. (See Delta Manufacturing Company, The, assignor.)

Formica Insulation Company, The, Cincinnati, Ohio. Electro conductive shop and mill truck wheels. Serial No. 454,169; Sept. 29. Class 19.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 454,288; Sept. 29. Class 42.

Fredericks, Grace. (See Oppenheimer, Grace F.)

Freeda Agar Products, New York, N. Y. Vitamin capsules or tablets. Serial No. 454,251; Sept. 29. Class 6.

Gargalo, Joao da Cruz, doing business as Joao C. Gargalo, Setubal, Portugal. Preserved fish. Serial No. 445,808; Sept. 29. Class 46.

Harrower Laboratory, Inc., The, Glendale, Calif. Combination of sulfanilamide and pectin for local use only. Serial No. 454,338; Sept. 29. Class 6.

Harrower Laboratory, Inc., The, Glendale, Calif. Combination of pectin and tannic acid for external use, principally burns. Serial No. 454,339; Sept. 29. Class 6.

Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Nail polish and perfume. Serial No. 445,729; Sept. 29. Class 6.

Hilger, W. P., doing business as The Hilger Company, St. Cloud, Minn. Floor sanding machines. Serial No. 427,432; Sept. 29. Class 23.

Hirsch, S. H. (See Henry, Sidney.)

Holland-Colombo Trading Society, Inc., Dover, Del., and New York, N. Y. Rubber, hides, and skins. Serial No. 454,228; Sept. 29. Class 1.

Holland-Colombo Trading Society, Inc., Dover, Del., and New York, N. Y. Rubber, hides, and skins. Serial No. 454,230; Sept. 29. Class 1.

Horne, E. C., doing business as E. C. Horne Machinery Co., Denver, Colo. Flexible, spring belt conveyors. Serial No. 454,083; Sept. 29. Class 23.

House of Herbs, Inc., Canaan, Conn. Non-fattening French dressing with fresh herbs. Serial No. 454,604; Sept. 29. Class 46.

International Minerals & Chemical Corporation, Chicago, Ill. Fertilizers. Serial No. 451,109; Sept. 29. Class 10.

International Minerals & Chemical Corporation, Chicago, Ill. Fertilizers. Serial No. 453,984; Sept. 29. Class 10.

Johnson, S. C., & Son, Inc., Racine, Wis. Rubber dressing to coat, preserve, renew and clean all rubber, automotive, and household articles. Serial No. 454,007; Sept. 29. Class 4.

Johnson, S. C., & Son, Inc., Racine, Wis. Liquid wax polish. Serial No. 454,010; Sept. 29. Class 16.

Lasner, E., Inc., New York, N. Y. Fur coats and fur strollers. Serial No. 453,457; Sept. 29. Class 39.

Laura Lee Frocks, Inc., St. Louis, Mo. Ladies' suits. Serial No. 452,806; Sept. 29. Class 39.

Leadway Stores Corporation, doing business as Leadway Foods, Chicago, Ill. Toilet and facial tissue. Serial No. 454,140; Sept. 29. Class 37.

Lear Avia, Inc., Piqua, Ohio. Radio equipment. Serial No. 453,112; Sept. 29. Class 21.

Lehn & Fink Products Corporation, Bloomfield, N. J. Leg tinting or make-up cosmetic. Serial No. 454,235; Sept. 29. Class 6.

Metal & Thermit Corporation, Woodbridge, N. J., and New York, N. Y. Metallic welding electrodes, oxide powders, and metal compounds. Serial No. 452,561; Sept. 29. Class 14.

National Grape Corporation, New York and Brocton, N. Y. Grape jelly. Serial No. 452,834; Sept. 29. Class 46.

Nemetz, Martin, Brooklyn, N. Y. Scrap and junk material in the nature of paper, metal, rubber, etc. Serial No. 455,024; Sept. 29. Class 1.

Nutrena Mills, Inc., Kansas City, Kans. Dog food. Serial No. 454,762; Sept. 29. Class 46.

Oppenheimer, Grace F., doing business as Grace Fredericks, New York, N. Y. Women's and misses' collars, blouses, scarves, etc. Serial No. 454,218; Sept. 29. Class 39.

Parfum L'Orle, Inc., New York, N. Y. Deodorant. Serial No. 454,738; Sept. 29. Class 6.

Parfumerie de Raymond, New York, N. Y. Hair brushes. Serial No. 454,764; Sept. 29. Class 29.

Pastura Mfg. Co. (See Field, George E.)

Patterson-Sargent Company, The, Cleveland, Ohio. Display devices for displaying of interiors and exteriors of houses in miniature. Serial No. 452,055; Sept. 29. Class 50.

Pig'n Whistle Corporation, San Francisco, Calif. Candy and confectionery. Serial No. 433,622; Sept. 29. Class 46.

Pig'n Whistle Corporation, San Francisco, Calif. Candy and confectionery. Serial No. 433,625; Sept. 29. Class 46.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. Serial No. 454,765; Sept. 29. Class 46.

Plycor Company, The, Chicago, Ill. Presses, mixers and spreaders, jointers, etc. Serial No. 450,211; Sept. 29. Class 23.

Polan, Katz and Company, Baltimore, Md. Umbrellas. Serial No. 453,830 Sept. 29. Class 41.

Polaroid Corporation, Cambridge, Mass. Lacquers and lacquer thinners. Serial No. 454,512; Sept. 29. Class 16.

Polaroid Corporation, Cambridge, Mass. Lacquers and lacquer thinners. Serial No. 454,520 Sept. 29. Class 16.

Purepac Corporation, New York, N. Y. Mineral oil. Serial No. 444,881; Sept. 29. Class 6.

Ridbo Laboratories, Inc., Paterson, N. J. Compound. Serial No. 452,057; Sept. 29. Class 1.

Rockwell-Barnes Company, Chicago, Ill. Mimeograph paper. Serial No. 454,312; Sept. 29. Class 37.

Rotary Lift Company, Memphis, Tenn. Elevators and lifts. Serial No. 452,788; Sept. 29. Class 23.

Santa Rosa Estancias Sociedad Anonima, Buenos Aires, Republic of Argentina. Cheese. Serial No. 442,142; Sept. 29. Class 46.

Schiller Bros., Inc., New York, N. Y. Ladies' lingerie. Serial No. 450,287; Sept. 29. Class 39.

Signode Steel Strapping Company, Chicago, Ill. Metallic fastening seals for strapping used to bind bales, boxes, etc. Serial No. 449,159; Sept. 29. Class 25.

Simpson, Wm., Sons & Co., Inc., Philadelphia, Pa. Cotton piece goods. Serial No. 453,852; Sept. 29. Class 42.

Soilicide Laboratories, Montclair, N. J. Canvas paint for awnings, beach umbrellas, car tops, etc. Serial No. 454,672; Sept. 29. Class 16.
Speare Supply Company, The, Chicago, Ill. Laundry bluing. Serial No. 451,452; Sept. 29. Class 6.
Sponsel, Charles, Albuquerque, N. Mex. Cattle, horses, and sheep for breeding purposes. Serial No. 453,145; Sept. 29. Class 1.
Standard Register Company, The, Dayton, Ohio. Office furniture comprising a unitary structure. Serial No. 450,817; Sept. 29. Class 32.
Strauss Stores Corp., Maspeth, Long Island, N. Y. Tires and inner tubes therefor. Serial No. 438,635; Sept. 29. Class 35.
Stuckeman, H. Campbell. (See Delta Manufacturing Company, The, assignor.)
Styer, John F., doing business as Styer's Nurseries, Concordville, Pa. Chrysanthemums. Serial No. 451,275; Sept. 29. Class 1.
Styer's Nurseries. (See Styer, John F.)
Susslin, Charles A., Bronxville, N. Y. Dental powder. Serial No. 454,241; Sept. 29. Class 6.
Tissus Baboin, Inc., New York, N. Y. Silk piece goods. Serial No. 452,544; Sept. 29. Class 42.
Tower Brand Yarn Corporation, Brooklyn, N. Y. Coated yarn and thread. Serial No. 453,605; Sept. 29. Class 43.
Trabert & Hoeffer Inc., New York, N. Y. Diamonds and precious stones. Serial No. 454,440; Sept. 29. Class 28.
Universal Milking Machine Company, The, Waukesha, Wis. Milking machines, including parts and appurtenances thereof. Serial No. 454,158; Sept. 29. Class 23.
Vascoloy-Ramet Corporation, North Chicago, Ill. Tools and parts of tools. Serial No. 427,861; Sept. 29. Class 23.
Vick Chemical Company, Wilmington, Del. Vitamin tablets. Serial Nos. 454,749–9; Sept. 29. Class 6.
Vico Products Company, Chicago, Ill. Vitamin preparation. Serial No. 454,675; Sept. 29. Class 6.
Waggoner, Norman L., Inc., San Francisco, Calif. Canned fruits and canned vegetables. Serial No. 443,966; Sept. 29. Class 46.
Wentz, Robert L., Hohokus, N. J. Screws. Serial No. 454,615; Sept. 29. Class 13.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric furnaces and atmosphere controllers therefor. Serial No. 453,134; Sept. 29. Class 21.
Zimmerman, Joseph, New York, N. Y. Women's dresses and dress ensembles. Serial No. 454,281; Sept. 29. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

A-M Products. (See Moore, Annie.)
Amalgamated Textiles Limited, New York, N. Y. Woolen and worsted textile piece goods. 397,907; Sept. 29; Serial No. 452,300; published July 21, 1942. Class 42.
American Chemical & Drug Company, Inc., assignor to N. D. Petrochko and Company, Olyphant, Pa. Liniment. 157,447; renewed Aug. 8, 1942.
American Stove Company, St. Louis, Mo. Gas stoves and heaters. 160,125; renewed Oct. 17, 1942.
American Stove Company, St. Louis, Mo. Ranges. 397,896; Sept. 29; Serial No. 451,193; published July 21, 1942. Class 34.
Autolene Lubricants Company, Denver, Colo. Oils and greases. 397,898; Sept. 29; Serial No. 451,375; published July 14, 1942. Class 15.
Ayerst, McKenna & Harrison (United States) Limited, Rouses Point, N. Y. Pharmaceutical preparations. 397,925; Sept. 29; Serial No. 452,899; published July 21, 1942. Class 6.
Bacmo Postman Corporation, New York, N. Y. Gloves. 397,936; Sept. 29; Serial No. 453,026; published July 21, 1942. Class 39.
Barbasol Company, The, Indianapolis, Ind. Deodorant. 397,965; Sept. 29; Serial No. 453,357; published July 14, 1942. Class 6.
Barnes, Henry K., Company, Salem, Mass. Leather textile aprons. 397,982; Sept. 29. Class 23.
Bear Brand Hosiery Co. (See Paramount Knitting Company, The, assignor.)
Bendix Aviation Corporation. (See Pioneer Instrument Company, assignor.)
Bernstein, Chas., & Son, Inc., New York, N. Y. Textile fabrics. 397,947; Sept. 29; Serial No. 453,073; published July 21, 1942. Class 42.
Bernstein, Joseph R., Chicago, Ill. Shoe studs. 397,952; Sept. 29; Serial No. 453,150; published July 21, 1942. Class 13.
Blauners Affiliated Stores, Inc., New York, N. Y. Women's dresses, coats, and suits. 397,962; Sept. 29; Serial No. 453,290; published July 21, 1942. Class 39.
Brilhart, Arnold, Great Neck, N. Y. Mouthpieces for wind musical instruments. 397,906; Sept. 29; Serial No. 452,239; published June 9, 1942. Class 36.
Bryden Horse Shoe Company, Catasauqua, Pa., assignor, by mesne assignments, to Phoenix Manufacturing Company, Joliet, Ill. Animal-shoes. 21,866; re-renewed Oct. 18, 1942.
Buffalo Products Company, Denver, Colo. Bakers' products. 397,974; Sept. 29. Class 46.
Bunte Brothers, Chicago, Ill. Confectionery. 161,922; renewed Nov. 28, 1942.
Bunte Brothers, Chicago, Ill. Confectionery. 162,206; renewed Dec. 12, 1942.
Burkhardt Company, The, Detroit, Mich. Portfolios. 397,891; Sept. 29; Serial No. 448,852; published July 21, 1942. Class 3.
Campbell, John, & Co., New York, N. Y., assignor to John Campbell & Company, Inc., Philadelphia, Pa. Color-stripping and dye-removing compound. 161,090; renewed Nov. 7, 1942.
Campbell, Raymond, Hammonton, N. J. Automatic pipette. 397,889; Sept. 29; Serial No. 448,816; published July 21, 1942. Class 26.
Cary & Company, Inc., Binghamton, N. Y. Clothing. 163,966; renewed Feb. 6, 1943.
Charles of the Ritz, Inc., New York, N. Y. Toilet cream. 397,973; Sept. 29; Serial No. 453,580; published July 21, 1942. Class 6.
Cheney Brothers, South Manchester, to Cheney Brothers, South Manchester, Conn., and New York, N. Y. Cravats and neckties. 163,036; renewed Jan. 2, 1943.
Cheney Brothers, South Manchester, to Cheney Brothers, South Manchester, Conn., and New York, N. Y. Woven, knitted, netted, textile and pile fabrics in the piece. 163,296; renewed Jan. 9, 1943.
Cheney Brothers, South Manchester, to Cheney Brothers, South Manchester, Conn., and New York, N. Y. Woven, knitted, netted, textile and pile fabrics. 163,926; renewed Feb. 6, 1943.
Chicago Mail Order Company, Chicago, Ill. Watches. 397,986; Sept. 29. Class 27.
Chicago Mail Order Company, Chicago, Ill. Baby chicks. 397,989; Sept. 29. Class 46.
Christina, Vincent, & Co., Inc., New York, N. Y. Medicinal preparation. 397,899–900; Sept. 29; Serial Nos. 451,527–8; published July 14, 1942. Class 6.
Club Aluminum Products Co., Chicago, Ill. Glass cookware. 397,884; Sept. 29; Serial No. 447,302; published July 21, 1942. Class 33.
Commerce Pattern, Foundry & Machine Company. (See Lannen, Joseph P.)
Cone, Frederick H., & Company, Inc., New York, N. Y. Processed horsehair. 397,984; Sept. 29. Class 1.
Coolerator Company, The, Duluth, Minn. Refrigerators. 397,969; Sept. 29; Serial No. 453,506; published July 21, 1942. Class 31.
Corrosion Control Corporation, Norwalk, Conn. Lacquer coatings for plastic sheeting, paint, lacquer, and enamel coatings. 397,954; Sept. 29; Serial No. 453,175; published July 21, 1942. Class 16.
Cribari, B., & Sons, San Jose, assignor to B. Cribari & Sons, Inc., Madrone, Calif. Fresh grapes and fresh vegetables. 162,711; renewed Dec. 26, 1942.
Cuthbert, P. T., & Co., Inc., New York, N. Y. Hosiery. 397,955; Sept. 29; Serial No. 453,176; published July 21, 1942. Class 39.
Demartini, L., Supply Co., assignor to The L. Demartini Company, San Francisco, Calif. Confectioners' coconut butter. 159,327; renewed Sept. 26, 1942.
Duluth Universal Milling Company, Duluth, Minn. Wheat flour. 397,922; Sept. 29; Serial No. 452,800; published July 21, 1942. Class 46.
Dunhill, Alfred, assignor to Alfred Dunhill of London, Inc., assignor, by mesne assignments, to Alfred Dunhill Limited, London, England. Smoking tobacco. 161,454; renewed Nov. 14, 1942.
Edghills Laboratories. (See Schwalb, William A.)
Embalmers' Supply Company, The, Westport, Conn. Embalming fluid. 397,917; Sept. 29; Serial No. 452,642; published July 21, 1942. Class 6.
Empire Crafts Corporation, Newark, N. Y. Sterling silver flatware. 397,949–50; Sept. 29; Serial Nos. 453,101–2; published July 21, 1942. Class 28.
Engel, Albert W., doing business as Engel Art Corners Mfg. Co., Chicago, Ill. Labels. 157,940; renewed Aug. 22, 1942.
Factor, Max, & Co., Los Angeles, Calif. Cosmetics, perfumes, theatrical make-up, etc. 397,937; Sept. 29; Serial No. 453,033; published July 21, 1942. Class 6.
Firestone Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. 397,874; Sept. 29; Serial No. 443,075; published July 21, 1942. Class 35.
Fleisher Yarns, Inc., New York, N. Y. Art needlework yarns. 397,918; Sept. 29; Serial No. 452,644; published July 7, 1942. Class 43.
Foy Paint Company, Inc., The. (See Johnston, R. F., Paint Company, The, assignor.)

Franklin Coffee Co., The, Columbus, Ohio. Coffee. 157,672; renewed Aug. 15, 1942.
Frankoma Potteries, Inc., Sapulpa, Okla. Ceramic statuary, figurines, and bric-a-brac. 397,875; Sept. 29; Serial No. 443,502; published July 21, 1942. Class 50.
Frazar, Everett W., to Frazar & Co., Ltd., San Francisco, Calif., successor. Walnut meats and peanuts. 160,491; renewed Oct. 24, 1942.
Frito Company, The, Dallas, Tex. Cracker sandwiches with cheese filling. 397,883; Sept. 29; Serial No. 447,175; published Apr. 14, 1942. Class 46.
Fuller Brush Company, The, Hartford, Conn. Crumb trays, crumb scrapers, and sink scrapers. 162,077; renewed Dec. 5, 1942.
Fuller Brush Company, The, Hartford, Conn. Periodical. 163,067; renewed Jan. 2, 1943.
Gardiner Manufacturing Co., Inc., Niagara Falls, to Gardiner Manufacturing Co., Inc., Buffalo, N. Y. Washing solution. 163,782; renewed Jan. 30, 1943.
Gem-Dandy, Inc., Madison, N. C. Men's belts for outer wear, suspenders, and neckties. 397,921; Sept. 29; Serial No. 452,722; published July 21, 1942. Class 39.
Germaine Monteil Parfums, Inc., New York, N. Y. Toilet water, perfumes, face powder. 397,888; Sept. 29; Serial No. 448,726; published July 21, 1942. Class 6.
Gilchrist, James O., doing business as Turbanway Company, Iowa City, Iowa. assignor to Turbanway, Inc., Washington, D. C. Hair waving solutions. 397,872; Sept. 29; Serial No. 438,231; published July 21, 1942. Class 6.
Glidden Company, The. (See Van Camp Packing Company, The, assignor.)
Goodman, Jacob, doing business as Mendaire Products Manufacturing Co., New York, N. Y. Adhesive mending tape tabs. 397,961; Sept. 29; Serial No. 453,242; published July 21, 1942. Class 5.
Goodman, P. J., doing business as Ray Engineering Company, Philadelphia, Pa. Chemical compound. 397,940; Sept. 29; Serial No. 453,055; published July 21, 1942. Class 6.
Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Flat conveyor belts of rubber and fabric. 397,980; Sept. 29. Class 35.
Graewil Sportswear, Inc., Irvington, N. J. Sportswear for women and children. 397,941; Sept. 29; Serial No. 453,056; published July 21, 1942. Class 39.
Greenberg, Louis, & Bro., Inc., New York, N. Y. Women's misses', juniors', girls', boys', children's and infants' coats and hats. 397,910; Sept. 29; Serial No. 452,424; published July 21, 1942. Class 39.
Gsell, R., & Co., Inc., New York, N. Y. Watches and watch movements, watch cases and parts thereof. 397,951; Sept. 29; Serial No. 453,108; published July 21, 1942. Class 27.
Hagan and Dodd Co., assignor to The Red Rock Company, Atlanta, Ga. Beverage and sirup for making same. 164,265; renewed Feb. 13, 1942.
Halco Chemical Corp., New York, and Rye, N. Y. Chemical preparation. 397,972; Sept. 29; Serial No. 453,566; published July 21, 1942. Class 6.
Hamilton Manufacturing Company, Two Rivers, Wis. Appliances for sanitary coverings. 397,885; Sept. 29; Serial No. 447,306; published July 21, 1942. Class 44.
Hanover Rubber Company, West Hanover, Mass. Rubber heels, soles, and half soles. 164,029; renewed Feb. 6, 1943.
Hanover Rubber Company, West Hanover, Mass. Rubber heels, rubber soles, and rubber half soles. 164,037; renewed Feb. 6, 1943.
Hanover Star Milling Co., Germantown, Ill. Wheat flour. 397,892; Sept. 29; Serial No. 449,272; published July 21, 1942. Class 46.
Harrower Laboratory, Inc., The, Glendale, Calif. Combination of hydrated magnesium trisilicate and pectin. 397,992; Sept. 29. Class 6.
Harvey, G. F., Company, The, Saratoga Springs, N. Y. Powdered digitalis leaf. 397,928; Sept. 29; Serial No. 452,960; published July 14, 1942. Class 6.
Henry, Sidney, New York, N. Y.. Perfume and toilet water, face powder and lipstick. 397,953; Sept. 29; Serial No. 453,155; published July 21, 1942. Class 6.
Hewitt, Bessie L., Los Angeles, Calif. Cosmetics. 397,987; Sept. 29. Class 6.
Hibben, Hollweg & Co., Indianapolis, Ind. Linen piece goods. 161,782; renewed Nov. 21, 1942.
Hibben, Hollweg & Co., Indianapolis, Ind. Hosiery. 163,746; renewed Jan. 23, 1943.
Hills Bros., San Francisco, Calif., by merger and change of name to Hills Bros. Coffee, Inc. Coffee. 163,338; renewed Jan 9, 1942.
Hollup Corporation, Chicago, Ill. Welding wire. 397,890; Sept. 29; Serial No. 448,820; published July 14, 1942. Class 14.
Hvam, Hjalmar, Portland, Oreg. Ski bindings. 397,977; Sept. 29. Class 22.
Hygrade Food Products Corporation, New York, N. Y. Bacon and sausage. 397,978; Sept. 29. Class 46.
Irwin Auger Bit Company, The, Wilmington, Ohio. Bits and augers. 164,103; renewed Feb. 13, 1943.
Jakubiak, William W., Stamford, Conn. Combined polishing and cleaning compound. 397,879; Sept. 29; Serial No. 446,360; published July 14, 1942. Class 16.
Jewel-Smiths, Inc., Boston, Mass. Watches and clocks. 397,894; Sept. 29; Serial No. 450,855; published July 21, 1942. Class 27.
Johnston, R. F., Paint Company, The, assignor, by mesne assignments, to The Foy Paint Company, Inc., Cincinnati, Ohio. Varnish. 163,794; renewed Jan. 30, 1943.
Keehn Brothers, Chicago, Ill. Leather shoes. 164,240; renewed Feb. 13, 1943.
Kellogg Company, Battle Creek, Mich. Display racks. 397,926; Sept. 29; Serial No. 452,908; published July 21, 1942. Class 32.
Kreamer, A., Inc., Brooklyn, N. Y. Flour cans. 163,105; renewed Jan. 2, 1943.
Kreamer, A., Inc., Brooklyn, N. Y. Sugar cans. 163,106; renewed Jan. 2, 1943.
Kreamer, A., Inc., Brooklyn, N. Y. Tea cans. 163,354; renewed Jan. 9, 1943.
Kreamer, A., Inc., Brooklyn, N. Y. Coffee cans. 163,355; renewed Jan. 9, 1943.
Kreamer, A., Inc., Brooklyn, N. Y. Bread and cake boxes. 163,356; renewed Jan. 9, 1943.
Kreamer, A., Inc., Brooklyn, N. Y. Cake boxes. 163,357; renewed Jan. 9, 1943.
La Choy Food Products, Inc., Detroit, Mich. Bean sprouts, mixed vegetables, chow mein noodles, etc. 397,904; Sept. 29; Serial No. 452,073; published July 21, 1942. Class 46.
Lannen, Joseph P., doing business as Commerce Pattern, Foundry & Machine Company, Detroit, Mich. Machines for testing balance of tires and other circular members adapted for rotation, and also machines for testing and correcting such balance. 397,956; Sept. 29; Serial No. 453,180; published July 21, 1942. Class 26.
Laye, Benjamin, doing business as Ronnie Novelty Co., New York, N. Y. Dress plackets. 397,958; Sept. 29. Serial No. 453,201; published July 21, 1942. Class 40.
Lazar, Annie. (See Rayner, Earl C., assignor.)
Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. 397,963; Sept. 29; Serial No. 453,304; published July 21, 1942. Class 6.
Matson, Charles H., doing business as C. H. Matson & Co., Jersey City, N. J., to Charles H. Matson, New York, N. Y. Preparation for external application. 158,017; renewed Aug. 22, 1942.
Mayer, Oscar, & Co., Chicago, Ill. Meat products. 397,881–2; Sept. 29; Serial Nos. 447,046–7; published July 21, 1942. Class 46.
McCabe Paint & Varnish Co., New Brunswick and Irvington, N. J. Inks. 397,873; Sept. 29; Serial No. 439,758; published July 21, 1942. Class 11.
McClave-Brooks Co., Scranton, to The McClave Company, Allentown, Pa., successor. Grates and stokers. 157,139; renewed July 25, 1942.
Meissner Manufacturing Company, Mount Carmel, Ill. Radio receivers, radio receiver adapters, and parts of radio receivers. 397,985; Sept. 29. Class 21.
Mendaire Products Manufacturing Co. (See Goodman, Jacob.)
Michaels Stern & Co., to Michaels Stern & Company, Inc., Rochester, N. Y., successor. Men's and boys' suits and overcoats. 158,023; renewed Aug. 22, 1942.
Mid-West Abrasive Compay, Detroit, Mich. Abrasive material in molded form. 397,983; Sept. 29. Class 4.
Millers Falls Company, Millers Falls, to Millers Falls Company, Greenfield, Mass. Tools. 150,442; renewed Sept. 20, 1942.
Modern Products, Inc. of America, doing business under the name and style of Modern Products, Inc., Milwaukee, Wis. Vitamin B complex product. 397,981; Sept. 29. Class 6.
Moore, Annie, doing business as A-M Products, Atlanta, Ga. Preparation for use in rectal therapy. 397,913; Sept. 29; Serial No. 452,481; published July 7, 1942. Class 6.
More-Power and Lubri-Cool Company, Inc., The, Atlanta, Ga. Hard-setting plastic material. 397,990; Sept. 29. Class 4.
Mueller Furniture Co., Grand Rapids, Mich. Household chairs. 397,938; Sept. 29; Serial No. 453,034; published July 21, 1942. Class 32.
Murphy, Brill and Sahner, Inc., New York, N. Y. Hosiery. 397,880; Sept. 29; Serial No. 446,742; published July 21, 1942. Class 39.
National Ring Traveler Co., Providence, to National Ring Traveler Co., Pawtucket, R. I. Ring and twister travelers. 162,564; renewed Dec. 19, 1942.
Nettleton, A. E., Company, Syracuse, N. Y. Shoes. 397,942; Sept. 29; Serial No. 453,061; published July 21, 1942. Class 39.
Neumann, R., & Company, Hoboken, N. J. Leather. 397,931; Sept. 29; Serial No. 452,985; published July 21, 1942.
New England Calendar Company, Inc., Boston, Mass. Bags. 397,909; Sept. 29; Serial No. 452,361; published July 21, 1942. Class 2.
Newell Gutradt Company, doing business as Strykers Soap Co., San Francisco, Calif. Abrasive cleanser. 397,901; Sept. 29; Serial No. 451,603; published July 14, 1942. Class 4.
Northam Warren Corporation, Stamford, Conn. Nail polish. 397,966; Sept. 29; Serial No. 453,368; published July 14, 1942. Class 6.
Northern California Fruit Co., Lodi, assignor to Northern California Fruit Co., Victor, Calif. Fresh deciduous fruits. 156,898; renewed July 18, 1942.

Northmont Hosiery Corporation, Reading, Pa. Hosiery. 397,957; Sept. 29; Serial No. 453,182; published July 21, 1942. Class 39.
Orinoka Mills, Inc., New York, N. Y. Upholstery goods, draperies, and furniture coverings. 162,849; renewed Dec. 26, 1942.
Oris Watch Co. Ltd., Holstein, Switzerland. Watches and clocks and parts thereof. 397,976; Sept. 29. Class 27.
Osbrink, Raymond H., doing business as R. H. Osbrink Mfg. Company, Los Angeles, Calif. Castings. 397,902; Sept. 29; Serial No. 451,686; published July 21, 1942. Class 14.
O'Shea Knitting Mills, assignor to Wilson Athletic Goods Mfg. Co., Inc., Chicago, Ill. Sweaters, bathing suits, shirts, etc. 157,555; renewed Aug. 8, 1942.
Ovington's Gift Shop, Inc., New York, N. Y. Ladies' handbags, suit cases, billfolds, etc. 397,959; Sept. 29; Serial No. 453,205; published July 21, 1942. Class 3.
P. C. Product Company, St. Louis, Mo. Insecticides. 397,871; Sept. 29; Serial No. 436,521; published July 14, 1942. Class 6.
Paramount Knitting Company, Chicago, assignor to Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Hosiery. 158,513; renewed Sept. 5, 1942.
Paramount Knitting Company, The, Chicago, assignor to Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Textile articles. 158,765; renewed Sept. 12, 1942.
Parke, Davis & Company, Detroit, Mich. Absorbents, alkalizers, allergens, etc. 397,903; Sept. 29; Serial No. 452,054; published July 21, 1942. Class 6.
Parke, Davis & Company, Detroit, Mich. Absorbents, alkalizers, allergens, etc. 397,912; Sept. 29; Serial No. 452,456; published July 14, 1942. Class 6.
Parke, Davis & Company, Detroit, Mich. Atomizing and nebulizing apparatus, hypodermic needles, surgical dressings, etc. 397,927; Sept. 29; Serial No. 452,937; published July 21, 1942. Class 44.
Parker, Harold E., doing business as Varina Knitting Company, Varina, N. C. Hosiery. 397,929; Sept. 29; Serial No. 452,968; published July 21, 1942. Class 39.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Laundry souring compounds. 397,943–6; Sept. 29; Serial Nos. 453,062–5; published July 14, 1942. Class 6.
Petrochko, N. D., and Company. (See American Chemical & Drug Company, Inc., assignor.)
Phoenix Manufacturing Company. (See Bryden Horse Shoe Company, assignor.)
Pioneer Instrument Company, Brooklyn, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, Bendix, N. J. Aerial navigation and scientific instruments. 160,269; renewed Oct. 17, 1942.
Pohlman, A. W., Paper Company, Inc., New York, N. Y. Bond paper for writing and printing purposes. 160,625–6; renewed Oct. 24, 1942.
Potts, Horace T., Co., Philadelphia, Pa. Bar steel. 397,908; Sept. 29; Serial No. 452,334; published July 21, 1942. Class 14.
Ramsay Business Systems Incorporated, Buffalo, N. Y. Printed forms for keeping records. 397,979; Sept. 29. Class 37.
Ray Engineering Company. (See Goodman, P. J.)
Rayner, Earl C., Chicago, Ill., assignor to Annie Lazar, New York, N. Y. Publication. 163,738; renewed Jan. 23, 1943.
Red Rock Company, The. (See Hagan and Dodd Co., assignor.)
Reed, Bayard, Palos Park, Ill. Dart game. 397,886; Sept. 29; Serial No. 448,008; published July 21, 1942. Class 22.
Republic Box Company, assignor to Republic Box Company, Chicago, Ill. Boxes, coops, shooks, etc. 163,390; renewed Jan. 9, 1943.
Rhinopto Company, Dallas, Tex. Nose drops. 397,967; Sept. 29; Serial No. 453,371; published July 21, 1942. Class 6.
Rogers Peet Company, New York, N. Y. Men's and boys' outer and under shirts, hats, leather shoes, etc. 397,870; Sept. 29; Serial No. 434,758; published July 21, 1942. Class 39.
Ronnie Novelty Co. (See Laye, Benjamin.)
Roth & Wiener, Inc., New York, N. Y. Leather boxes. 397,919; Sept. 29; Serial No. 452,654; published July 21, 1942. Class 2.
Sabella, V., & Co. Inc., New York, N. Y. Canned fruits, canned vegetables, and canned fish. 397,991; Sept. 29. Class 46.
Saks & Company, New York, N. Y. Boys' and young men's suits, overcoats, and topcoats. 397,939; Sept. 29; Serial No. 453,036; published July 21, 1942. Class 39.
Schering Corporation, Bloomfield, N. J. Pressure ampule. 397,970; Sept. 29; Serial No. 453,520; published July 21, 1942. Class 44.
Schieffelin & Co., New York, N. Y. Pharmaceutical preparation. 397,964; Sept. 29; Serial No. 453,343; published July 14, 1942. Class 6.
Schloss Bros. & Co., Inc., Baltimore, Md. Men's, young men's, and boys' clothing. 397,877; Sept. 29; Serial No. 444,800; published July 21, 1942. Class 39.
Schmidt, Henry, & Bro., Inc., Philadelphia, Pa. Folding cardboard containers. 164,149; renewed Feb. 13, 1943.
Schreiber Products Corporation, Buffalo, N. Y., by change of name to Schreiber Brewing Company, Inc. Malt-extract sirup for food purposes. 158,531; renewed Sept. 5, 1942.
Schreiber Products Corporation, Buffalo, N. Y., by change of name to Schreiber Brewing Company, Inc. Malt-extract sirup for food purposes. 159,087; renewed Sept. 19, 1942.
Schreiber Products Corporation, Buffalo, N. Y., by change of name to Schreiber Brewing Company, Inc. Malt-extract sirup for food purposes. 159,510; renewed Sept. 26, 1942.
Schwab, Leopold B., New York, N. Y. Hosiery and knit underwear for men. 159,091; renewed Sept. 19, 1942.
Schwalb, William A., doing business as Edghills Laboratories, New York, N. Y. Hair preparations. 397,948; Sept. 29; Serial No. 453,090; published July 21, 1942. Class 6.
Scott, Joseph M., doing business as Scott & Hunsicker, assignor to Scott & Hunsicker, Inc., Philadelphia, Pa., successor. Clothing for men's wear. 163,621; renewed Jan. 23, 1943.
Sea Board Sales Co., Inc., Philadelphia, Pa. Mineral ingredient for an animal feed. 297,916; Sept. 29; Serial No. 452,587; published July 21, 1942. Class 6.
Seamless Rubber Company, Inc., The, assignor to The Seamless Rubber Company, New Haven, Conn. Rubber combs. 162,888; renewed Dec. 26, 1942.
Siems Bros., Inc., St. Paul, Minn. Cereal breakfast foods. 397,988; Sept. 29. Class 46.
Sisk, Albert W., & Son, Preston, Md. Canned tomatoes. 397,920; Sept. 29; Serial No. 452,656; published July 21, 1942. Class 46.
Smith, George O., doing business as Wallkill Valley Mills, Gardiner, N. Y. Graham flour, rye graham flour, rye pumpernickel flour, etc. 397,915; Sept. 29; Serial No. 452,570; published July 21, 1942. Class 46.
Spyco Smelting and Refining Co., Minneapolis, Minn. Dental supplies. 397,897; Sept. 29; Serial No. 451,214; published July 21, 1942. Class 44.
Sta-Rite Hair Pin Co., Shelbyville, Ill., by change of name to Sta-Rite Ginnie-Lou, Inc. Hairpins. 158,822; renewed Sept. 12, 1942.
Statesman Printing Company, Boise, Idaho. Newspapers. 162,600; renewed Dec. 19, 1942.
Stewart-Warner Corporation, Chicago, Ill. Die castings. 397,878; Sept. 29; Serial No. 446,150; published Mar. 24, 1942. Class 14.
Strang, Earl A., Waukegan, Ill. Coal stokers. 397,968; Sept. 29; Serial No. 453,372; published July 21, 1942. Class 34.
Strykers Soap Co. (See Newell Gutradt Company.)
Sturgis Products Company, The, Sturgis, Mich. Aggregates comprising crushed rock fragments. 397,895; Sept. 29; Serial No. 451,124; published July 14, 1942. Class 4.
Symington-Gould Corporation, The, Rochester and Depew, N. Y. Carbon steel, alloy steel, semi-steel, etc. 397,914; Sept. 29; Serial No. 452,543; published July 21, 1942. Class 14.
Tennessee Eastman Corporation, Kingsport, Tenn. Charcoal. 160,690; renewed Oct. 24, 1942.
Theodosio, Amando R., Miami, Ariz. Medicinal preparation. 163,187; renewed Jan. 2, 1943.
Tobin, Edith D., doing business as Jack Tobin, Philadelphia, Pa. Ladies' and misses' dresses. 397,932. Sept. 29; Serial No. 452,993; published July 21, 1942. Class 39.
Tobin, Edith D., doing business as Jack Tobin, Philadelphia, Pa. Ladies' and misses' dresses. 397,933; Sept. 29; Serial No. 452,995; published July 21, 1942. Class 39.
Turbanway, Inc. (See Gilchrist, James O., assignor.)
Uddo Taormina Corp., Brooklyn and New York, assignor to Uddo & Taormina Company, Brooklyn, N. Y. Olive oil. 397,876; Sept. 29; Serial No. 443,961; published July 21, 1942. Class 46.
Union Bag & Paper Corporation, Jersey City, N. J., and New York, to Union Bag & Paper Corporation, New York, N. Y. Wrapping paper. 163,409; renewed Jan. 9, 1943.
Union Bag & Paper Corporation, New York, N. Y. Bags. 397,971; Sept. 29; Serial No. 453,524; published July 21, 1942. Class 2.
United Chromium, Incorporated, New York, N. Y. Corrosion resisting coating materials (paint), and thinners. 397,930; Sept. 29; Serial No. 452,973; published July 14, 1942. Class 16.
Van Camp Packing Company Inc., The, Indianapolis, Ind., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Salad oil. 162,926; renewed Dec. 26, 1942.
Varina Knitting Company. (See Parker, Harold E.)
W. & G. Ribbon Co., Inc., New York, N. Y. Ribbon. 397,960; Sept. 29; Serial No. 453,224; published July 21, 1942. Class 42.
W. N. Products Company, Wichita Falls, Tex. Antiseptic beneficial for the treatment of skin and scalp irritations. 397,975; Sept. 29. Class 6.
Wallace & Tiernan Co., Inc., Newark, to Wallace & Tiernan Co., Inc., Belleville, N. J. Chlorine control apparatus, chemical control equipment for water purification, sewage treatment and other named apparatus. 160,321; renewed Oct. 17, 1942.

Wallace & Tiernan Co., Inc., Newark, to Wallace & Tiernan Co., Inc., Belleville, N. J. Chlorine-control apparatus, chemical-control equipment for water purification, sewage treatment, and other named apparatus. 160,718; renewed Oct. 24, 1942.
Wallkill Valley Mills. (See Smith, George O.)
Wayne Knitting Mills, Fort Wayne, Ind. Hosiery. 163,732; renewed Jan. 23, 1943.
Wesco Waterpaints, Inc., Berkeley, Calif. Paints. 397,923; Sept. 29; Serial No. 452,817; published July 21, 1942. Class 16.
West Virginia Pulp & Paper Company, New York, N. Y. Crude tall oil (talloel) soap. 397,935; Sept. 29; Serial No. 453,022; published July 14, 1942. Class 4.
Whitinsville Spinning Ring Company, assignor to Whitinsville Spinning Ring Company, Whitinsville, Mass. Spinning and twister rings. 164,069; renewed Feb. 13, 1943.
Whittenton Manufacturing Company, Taunton, Mass. Blankets and piece goods. 397,911; Sept. 29; Serial No. 452,440; published July 21, 1942. Class 42.
Wilbur & Williams Company, The, Boston, Mass. Window glass paint. 397,934; Sept. 29; Serial No. 453,002; published July 14, 1942. Class 16.
Wilson Athletic Goods Mfg. Co., Inc. (See O'Shea Knitting Mills, assignor.)
Wincharger Corporation, Sioux City, Iowa. Electrical dynamotors, generators, converters, and motors. 397,887; Sept. 29; Serial No. 448,351; published Dec. 30, 1941. Class 21.
Wolf, Bernhard, New York, N. Y. Handkerchiefs. 397,924; Sept. 29; Serial No. 452,846; published July 21, 1942. Class 39.
Young, Jacob Clemmons, Austin, Tex. Umbrellas. 397,905; Sept. 29; Serial No. 452,180; published July 7, 1942. Class 41.
Zinsser, Wm., & Co. Inc., New York, N. Y. Sponges, cotton waste, and shellac guns. 163,213; renewed Jan. 2, 1943.
Zinsser, Wm., & Co. Inc., New York, N. Y. Paints and painters' materials. 163,702; renewed Jan. 23, 1943.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Charcoal. Tennessee Eastman Corporation. 160,690; renewed Oct. 24, 1942.
Horsehair, Processed. Frederick H. Cone & Company. 397,984; Sept. 29.
Leather. R. Neumann & Company. 397,931; Sept. 29; Serial No. 452,985; published July 21, 1942.
Sponges, cotton waste, and shellac guns. Wm. Zinsser & Co. Inc. 163,213; renewed Jan. 2, 1943.

CLASS 2

Bags. New England Calendar Company. 397,909; Sept. 29; Serial No. 452,361; published July 21, 1942.
Bags. Union Bag & Paper Corporation. 397,971; Sept. 29; Serial No. 453,524; published July 21, 1942.
Boxes, Bread and cake. A. Kreamer, Inc. 163,336; renewed Jan. 9, 1943.
Boxes, Cake. A. Kreamer, Inc. 163,357; renewed Jan. 9, 1943.
Boxes, coops, shooks, etc. Republic Box Company. 163,390; renewed Jan. 9, 1943.
Boxes, Leather. Roth & Wiener, Inc. 397,919; Sept. 29; Serial No. 452,654; published July 21, 1942.
Cans, Coffee. A. Kreamer, Inc. 163,355; renewed Jan. 9, 1943.
Cans, Flour. A. Kreamer, Inc. 163,105; renewed Jan. 2, 1943.
Cans, Sugar. A. Kreamer, Inc. 163,106; renewed Jan. 2, 1943.
Cans, Tea. A. Kreamer, Inc. 163,354; renewed Jan. 9, 1943.
Containers, Folding cardboard. Henry Schmidt & Bro., Inc. 164,149; renewed Feb. 13, 1943.

CLASS 3

Animal-shoes. Bryden Hose Shoe Company. 21,866; re-renewed Oct. 18, 1942.
Handbags, suit cases, billfolds, etc., Ladies. Ovington's Gift Shop, Inc. 397,959; Sept. 29; Serial No. 453,205; published July 21, 1942.
Portfolios. Burkhardt Company. 397,891; Sept. 29; Serial No. 448,852; published July 21, 1942.

CLASS 4

Abrasive material in molded form. Mid-West Abrasive Company. 397,983; Sept. 29.
Aggregates comprising crushed rock fragments. Sturgis Products Company. 397,895; Sept. 29; Serial No. 451,124; published July 14, 1942.
Cleanser, Abrasive. Newell Gutradt Company. 397,901; Sept. 29; Serial No. 451,603; published July 14, 1942.
Plastic material, Hard-setting. More-Power and Lubri-Cool Company. 397,990; Sept. 29.
Soap, Crude tall oil (talloel). West Virginia Pulp & Paper Company. 397,935; Sept. 29; Serial No. 453,022; published July 14, 1942.
Washing solution. Gardiner Manufacturing Co. 163,782; renewed Jan. 30, 1943.

CLASS 5

Tabs, Adhesive mending tape. J. Goodman. 397,961; Sept. 29; Serial No. 453,242; published July 21, 1942.

CLASS 6

Absorbents, alkalizers, allergens, etc. Parke, Davis & Company. 397,903; Sept. 29; Serial No. 452,054; published July 21, 1942.
Absorbents, alkalizers, allergens, etc. Parke, Davis & Company. 397,912; Sept. 29; Serial No. 452,456; published July 14, 1942.
Antiseptic beneficial for the treatment of skin and scalp irritations. W. N. Products Company. 397,975; Sept. 29.
Chemical compound. P. J. Goodman. 397,940; Sept. 29; Serial No. 453,055; published July 21, 1942.
Chemical preparation. Halco Chemical Corp. 397,972; Sept. 29; Serial No. 453,566; published July 21, 1942.
Color-stripping and dye-removing compound. John Campbell & Co. 161,090; renewed Nov. 7, 1942.
Cosmetics. B. L. Hewitt. 397,987; Sept. 29.
Cosmetics, perfumes, theatrical make-up, etc. M. Factor & Co. 397,937; Sept. 29; Serial No. 453,033; published July 21, 1942.
Deodorant. Barbasol Company. 397,965; Sept. 29; Serial No. 453,357; published July 14, 1942.
Digitalis leaf, Powdered. G. F. Harvey Company. 397,928; Sept. 29; Serial No. 452,960; published July 14, 1942.
Embalming fluid. Embalmers' Supply Company. 397,917; Sept. 29; Serial No. 452,642; published July 21, 1942.
Hair preparations. W. A. Schwalb. 397,948; Sept. 29; Serial No. 453,090; published July 21, 1942.
Hair waving solutions. J. O. Gilchrist. 397,872; Sept. 29; Serial No. 438,231; published July 21, 1942.
Insecticides. P. C. Product Company. 397,871; Sept. 29; Serial No. 436,521; published July 14, 1942.
Laundry compounds, Souring. Pennsylvania Salt Manufacturing Company. 397,943–6; Sept. 29; Serial Nos. 453,062–5; published July 14, 1942.
Liniment. American Chemical & Drug Company. 157,447; renewed Aug. 8, 1942.
Magnesium trisilicate and pectin, Combination of hydrated. Harrower Laboratory, Inc. 397,992; Sept. 29.
Medicinal preparation. Vincent Christina & Co. 397,899–900; Sept. 29; Serial Nos. 451,527–8; published July 14, 1942.
Medicinal preparation. A. R. Theodosio. 163,187; renewed Jan. 2, 1943.
Mineral ingredient for an animal feed. Sea Board Sales Co. 397,916; Sept. 29; Serial No. 452,587; published July 21, 1942.
Nail polish. Northam Warren Corporation. 397,966; Sept. 29; Serial No. 453,368; published July 14, 1942.
Nose drops. Rhinopto Company. 397,967; Sept. 29; Serial No. 453,371; published July 21, 1942.
Perfume and toilet water, face powder and lipstick. S. Henry. 397,953; Sept. 29; Serial No. 453,155; published July 21, 1942.
Perfumes, toilet waters, and cosmetic creams. Lentheric, Incorporated. 397,963; Sept. 29; Serial No. 453,304; published July 21, 1942.
Pharmaceutical preparation. Schieffelin & Co. 397,964; Sept. 29; Serial No. 453,343; published July 14, 1942.
Pharmaceutical preparations. Ayerst, McKenna & Harrison (United States) Limited. 397,925; Sept. 29; Serial No. 452,899; published July 21, 1942.
Preparation for external application. C. H. Matson. 158,017; renewed Aug. 22, 1942.
Preparation for use in rectal therapy. A. Moore. 397,913; Sept. 29; Serial No. 452,481; published July 7, 1942.
Toilet cream. Charles of the Ritz, Inc. 397,973; Sept. 29; Serial No. 453,580; published July 21, 1942.
Toilet water, perfumes, face powder. Germaine Monteil Parfums, Inc. 397,888; Sept. 29; Serial No. 448,726; published July 21, 1942.
Vitamin B complex product. Modern Products, Inc. of America. 397,981; Sept. 29.

CLASS 11

Inks. McCabe Paint & Varnish Co. 397,873; Sept. 29; Serial No. 439,758; published July 21, 1942.

CLASS 13

Studs, Shoe. J. R. Bernstein. 397,952; Sept. 29; Serial No. 453,150; published July 21, 1942.
Trays, crumb scrapers, and sink scrapers, Crumb. Fuller Brush Company. 162,077; renewed Dec. 5, 1942.

CLASS 14

Castings. R. H. Osbrink. 397,902; Sept. 29; Serial No. 451,686; published July 21, 1942.
Die Castings. Stewart-Warner Corporation. 397,878; Sept. 29. Serial No. 446,150; published Mar. 24, 1942.
Steel, alloy steel, semi-steel, etc., Carbon. Symington-Gould Corporation. 397,914; Sept. 29; Serial No. 452,543; published July 21, 1942.
Steel, Bar. H. T. Potts Co. 397,908; Sept. 29. Serial No. 452,334; published July 21, 1942.
Welding wire. Hollup Corporation. 397,890; Sept. 29; Serial No. 448,829; published July 14, 1942.

CLASS 15

Oils and greases. Autolene Lubricants Company. 397,898; Sept. 29; Serial No. 451,375; published July 14, 1942.

CLASS 16

Coatings for plastic sheeting, paint, lacquer, and enamel coatings, Lacquer. Corrosion Control Corporation. 397,954; Sept. 29; Serial No. 453,175; published July 21, 1942.
Corrosion resisting coating materials (paint), and thinners. United Chromium, Incorporated. 397,930; Sept. 29; Serial No. 452,973; published July 14, 1942.
Paint, Window glass. Wilbur & Williams Company. 397,934; Sept. 29; Serial No. 453,002; published July 14, 1942.
Paints. Wesco Waterpaints, Inc. 397,923; Sept. 29; Serial No. 452,817; published July 21, 1942.
Paints and painters' materials. Wm. Zinsser & Co. Inc. 163,702; renewed Jan. 23, 1943.
Polishing and cleaning compound, Combined. W. W. Jakubiak. 397,879; Sept. 29; Serial No. 446,360; published July 14, 1942.
Varnish. R. F. Johnston Paint Company. 163,794; renewed Jan. 30, 1943.

CLASS 17

Tobacco, Smoking. A. Dunhill. 161,454; renewed Nov. 14, 1942.

CLASS 21

Dynamotors, generators, converters, and motors, Electrical. Wincharger Corporation. 397,887; Sept. 29; Serial No. 448,351; published Dec. 30, 1941.
Radio receivers, radio receiver adapters and parts of radio receivers. Meissner Manufacturing Company. 397,985; Sept. 29.

CLASS 22

Game, Dart. B. Reed. 397,886; Sept. 29; Serial No. 448,008; published July 21, 1942.
Ski bindings. H. Hvam. 397,977; Sept. 29.

CLASS 23

Bits and augers. Irwin Auger Bit Company. 164,103; renewed Feb. 13, 1943.
Chlorine-control apparatus, chemical-control equipment for water purification, sewage treatment, and other named apparatus. Wallace & Tiernan Co. 160,718; renewed Oct. 24, 1942.
Control apparatus, chemical-control equipment for water purification, sewage-treatment and other named apparatus, Chlorine. Wallace & Tiernan Co. Inc. 160,321; renewed Oct. 17, 1942.
Ring and twister travelers. National Ring Traveler Co. 162,564; renewed Dec. 19, 1942.
Rings, Spinning and twister. Whitinsville Spinning Ring Company. 164,069; renewed Feb. 13, 1943.
Textile aprons, Leather. H. K. Barnes Company. 397,982; Sept. 29.
Tools. Millers Falls Company. 159,442; renewed Sept. 26, 1942.

CLASS 26

Aerial navigation and scientific instruments. Pioneer Instrument Company. 160,269; renewed Oct. 17, 1942.
Machines for testing balance of tires and other circular members adapted for rotation, and also machines for testing and correcting such balance. J. P. Lannen. 397,956; Sept. 29; Serial No. 453,180; published July 21, 1942.
Pipette, Automatic. R. Campbell. 397,889; Sept. 29; Serial No. 448,816; published July 21, 1942.

CLASS 27

Watches. Chicago Mail Order Company. 397,986; Sept. 29.
Watches and clocks. Jewel-Smiths, Inc. 397,894; Sept. 29; Serial No. 450,855; published July 21, 1942.
Watches and clocks and parts thereof. Oris Watch Co. Ltd. 397,976; Sept. 29.
Watches and watch movements, watch cases and parts thereof. R. Gsell & Co. 397,951; Sept. 29; Serial No. 453,108; published July 21, 1942.

CLASS 28

Flatware, Sterling silver. Empire Crafts Corporation. 397,949–50; Sept. 29; Serial Nos. 453,101–2; published July 21, 1942.

CLASS 31

Refrigerators. Coolerator Company. 397,969; Sept. 29; Serial No. 453,506; published July 21, 1942.

CLASS 32

Chairs, Household. Mueller Furniture Co. 397,938; Sept. 29; Serial No. 453,034; published July 21, 1942.
Racks, Display. Kellogg Company. 397,926; Sept. 29; Serial No. 452,908; published July 21, 1942.

CLASS 33

Cookware, Glass. Club Aluminum Products Co. 397,884; Sept. 29; Serial No. 447,302; published July 21, 1942.

CLASS 34

Grates and stokers. McClave-Brooks Co. 157,139; renewed July 25, 1942.
Ranges. American Stove Company. 397,896; Sept. 29; Serial No. 451,193; published July 21, 1942.
Stokers, Coal. E. A. Strang. 397,968; Sept. 29; Serial No. 453,372; published July 21, 1942.
Stoves and heaters, Gas. American Stove Company. 160,125; renewed Oct. 17, 1942.

CLASS 35

Belts of rubber and fabric, Flat conveyor. B. F. Goodrich Company. 397,980; Sept. 29.
Tires, Pneumatic. The Firestone Tire & Rubber Company. 397,874; Sept. 29; Serial No. 443,075; published July 21, 1942.

CLASS 36

Mouthpieces for wind musical instruments. A. Brilhart. 397,906; Sept. 29; Serial No. 452,239; published June 9, 1942.

CLASS 37

Forms for keeping records, Printed. Ramsay Business Systems Incorporated. 397,979; Sept. 29.
Labels. A. W. Engel. 157,940; renewed Aug. 22, 1942.
Paper for writing and printing purposes, Bond. A. W. Pohlman Paper Company. 160,625–6; renewed Oct. 24, 1942.
Paper, Wrapping. Union Bag & Paper Corporation. 163,409; renewed Jan. 9, 1943.

CLASS 38

Newspapers. Statesman Printing Company. 162,600; renewed Dec. 19, 1942.
Periodical. Fuller Brush Company. 163,067; renewed Jan. 2, 1943.
Publication. E. C. Rayner. 163,758; renewed Jan. 23, 1943.

CLASS 39

Belts for outer wear, suspenders, and neckties, Men's. Gem-Dandy, Inc. 397,921; Sept. 29; Serial No. 452,722; published July 21, 1942.
Clothing. Cary & Company. 163,966; renewed Feb. 6, 1943.
Clothing for men's wear. J. M. Scott. 163,621; renewed Jan. 23, 1943.
Clothing, Men's, young men's and boys'. Schloss Bros. & Co., Inc. 397,877; Sept. 29; Serial No. 444,800; published July 21, 1942.
Coats and hats, Women's, misses', juniors'. Louis Greenberg & Bro., Inc. 397,910; Sept. 29; Serial No. 452,424; published July 21, 1942.
Cravats and neckties. Cheney Brothers. 163,036; renewed Jan. 2, 1943.
Dresses, coats, and suits, Women's. Blauners Affiliated Stores, Inc. 397,962; Sept. 29; Serial No. 453,290; published July 21, 1942.
Dresses, Ladies' and misses'. E. D. Tobin. 397,932; Sept. 29; Serial No. 452,993; published July 21, 1942.
Dresses, Ladies' and misses'. E. D. Tobin. 397,933; Sept. 29; Serial No. 452,995; published July 21, 1942.
Gloves. Bacmo Postman Corporation. 397,936; Sept. 29; Serial No. 453,026; published July 21, 1942.
Handkerchiefs. B. Wolf. 397,924; Sept. 29; Serial No. 452,846; published July 21, 1942.
Heels, rubber soles, and rubber half soles, Rubber. Hanover Rubber Company. 164,037; renewed Feb. 6, 1943.
Heels, soles, and half soles, Rubber. Hanover Rubber Company. 164,029; renewed Feb. 6, 1943.
Hosiery. P. T. Cuthbert & Co., Inc. 397,955; Sept. 29; Serial No. 453,176; published July 21, 1942.
Hosiery. Hibben, Hollweg & Co. 163,746; renewed Jan. 23, 1943.
Hosiery. Murphy, Brill and Sahner, Inc. 397,880; Sept. 29; Serial No. 446,742; published July 21, 1942.
Hosiery. Northmont Hosiery Corporation. 397,957; Sept. 29; Serial No. 453,182; published July 21, 1942.
Hosiery. Paramount Knitting Company. 158,513; renewed Sept. 5, 1942.
Hosiery. H. E. Parker. 397,929; Sept. 29; Serial No. 452,968; published July 21, 1942.
Hosiery. Wayne Knitting Mills. 163,732; renewed Jan. 23, 1943.
Hosiery and knit underwear for men. L. B. Schwab. 159,091; renewed Sept. 19, 1942.

Shirts, hats, leather shoes, etc., Men's and boys' outer and under. Rogers Peet Company. 397,870; Sept. 29; Serial No. 434,759; published July 21, 1942.
Shoes. E. A. Nettleton Company. 397,942; Sept. 29; Serial No. 453,061; published July 21, 1942.
Shoes, Leather. Keehn Brothers. 164,240; renewed Feb. 13, 1943.
Sportswear for women and children. Graewil Sportswear, Inc. 397,941; Sept. 29; Serial No. 453,056; published July 21, 1942.
Suits and overcoats, Men's and boys'. Michaels Stern & Co. 158,023; renewed Aug. 22, 1942.
Suits, overcoats, and topcoats, Boys' and young men's. Saks & Company. 397,939; Sept. 29; Serial No. 453,036; published July 21, 1942.
Sweaters, bathing suits, shirts, etc. O'Shea Knitting Mills. 157,555; renewed Aug. 8, 1942.
Textile articles. Paramount Knitting Company. 158,765; renewed Sept. 12, 1942.

CLASS 40

Combs, Rubber. Seamless Rubber Company. 162,888; renewed Dec. 26, 1942.
Dress plackets. B. Laye. 397,958; Sept. 29; Serial No. 453,201; published July 21, 1942.
Hairpins. Sta-Rite Hair Pin Co. 158,822; renewed Sept. 12, 1942.

CLASS 41

Umbrellas. J. C. Young. 397,905; Sept. 29; Serial No. 452,180; published July 7, 1942.

CLASS 42

Blankets and piece goods. Whittenton Manufacturing Company. 397,911; Sept. 29; Serial No. 452,440; published July 21, 1942.
Fabrics in the piece, Woven, knitted, netted, textile, and pile. Cheney Brothers. 163,296; renewed Jan. 9, 1943.
Piece goods, Linen. Hibben, Hollweg & Co. 161,782; renewed Nov. 21, 1942.
Ribbon. W. & G. Ribbon Co. 397,960; Sept. 29; Serial No. 453,224; published July 21, 1942.
Textile and pile fabrics, Woven, knitted, netted. Cheney Brothers. 163,926; renewed Feb. 6, 1943.
Textile fabrics. Chas. Bernstein & Son, Inc. 397,947; Sept. 29; Serial No. 453,073; published July 21, 1942.
Upholstery goods, draperies, and furniture coverings. Orinoka Mills, Inc. 162,849; renewed Dec. 26, 1942.
Woolen and worsted textile piece goods. Amalgamated Textiles Limited. 397,907; Sept. 29; Serial No. 452,300; published July 21, 1942.

CLASS 43

Yarns, Art needlework. Fleisher Yarns, Inc. 397,918; Sept. 29; Serial No. 452,644; published July 7, 1942.

CLASS 44

Ampule pressure. Schering Corporation. 397,970; Sept. 29; Serial No. 453,520; published July 21, 1942.
Appliances for sanitary coverings. Hamilton Manufacturing Company. 397,885; Sept. 29; Serial No. 447,306; published July 21, 1942.
Atomizing and nebulizing apparatus, hypodermic needles, surgical dressings, etc. Parke, Davis & Company. 397,927; Sept. 29; Serial No. 452,937; published July 21, 1942.
Dental supplies. Spyco Smelting and Refining Co. 397,897; Sept. 29; Serial No. 451,214; published July 21, 1942.

CLASS 45

Beverage and sirup for making same. Hagan and Dodd Co. 164,265; renewed Feb. 13, 1943.

CLASS 46

Bacon and sausage. Hygrade Food Products Corporation. 397,978; Sept. 29.
Bakers' products. Buffalo Products Company. 397,974; Sept. 29.
Bean sprouts, mixed vegetables, chow mein noodles, etc. La Choy Food Products, Inc. 397,904; Sept. 29; Serial No. 452,073; published July 21, 1942.
Butter, Confectioners' coconut. L. Demartini Supply Co. 159,327; renewed Sept. 26, 1942.
Canned fruits, canned vegetables, and canned fish. V. Sabella & Co. Inc. 397,991; Sept. 29.
Canned tomatoes. A. W. Sisk & Son. 397,920; Sept. 29; Serial No. 452,656; published July 21, 1942.
Cereal breakfast foods. Siems Bros., Inc. 397,988; Sept. 29.
Chicks, Baby. Chicago Mail Order Company. 397,989; Sept. 29.
Coffee. Franklin Coffee Co. 157,672; renewed Aug. 15, 1942.
Coffee. Hills Bros. 163,338; renewed Jan. 9, 1943.
Confectionery. Bunte Brothers. 161,922; renewed Nov. 28, 1942.
Confectionery. Bunte Brothers. 162,206; renewed Dec. 12, 1942.
Cracker sandwiches with cheese filling. Frito Company. 397,883; Sept. 29; Serial No. 447,175; published Apr. 14, 1942.
Flour, rye graham flour, rye pumpernickel flour, etc., Graham. G. O. Smith. 397,915; Sept. 29; Serial No. 452,570; published July 21, 1942.
Flour, Wheat. Duluth Universal Milling Company. 397,922; Sept. 29; Serial No. 452,800; published July 21, 1942.
Flour, Wheat. Hanover Star Milling Co. 397,892; Sept. 29; Serial No. 449,272; published July 21, 1942.
Fruits, Fresh deciduous. Northern California Fruit Co. 156,898; renewed July 18, 1942.
Grapes and fresh vegetables, Fresh. B. Cribari & Sons. 162,711; renewed Dec. 26, 1942.
Meat products. O. Mayer & Co. 397,881–2; Sept. 29; Serial Nos. 447,046–7; published July 21, 1942.
Olive oil. Uddo Taormina Corp. 397,876; Sept. 29; Serial No. 443,961; published July 21, 1942.
Salad oil. Van Camp Packing Company Inc. 162,926; renewed Dec. 26, 1942.
Sirup for food purposes, Malt-extract. Schreiber Products Corporation. 158,531; renewed Sept. 5, 1942.
Sirup for food purposes, Malt-extract. Schreiber Products Corporation. 159,087; renewed Sept. 19, 1942.
Sirup for food purposes, Malt-extract. Schreiber Products Corporation. 159,510; renewed Sept. 26, 1942.
Walnut meats and peanuts. E. W. Frazer. 160,491; renewed Oct. 24, 1942.

CLASS 50

Statuary, figurines, and bric-a-brac, Ceramic. Frankoma Potteries, Inc. 397,875; Sept. 29; Serial No. 443,502; published July 21, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF SEPTEMBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Arden, Thomas R. (See Merry, Clayton B., assignor.)
Everitt, Philip F., Ilford, assignor to Henry Hughes & Son Limited, London, England. Calculating mechanism for measuring instruments. Re. 22,184; Sept. 29.
Faber, Herbert A., Cincinnati, Ohio. Boiler. Re. 22,185; Sept. 29.
Hughes, Henry, & Son Limited. (See Everitt, Philip F., assignor.)
Liquid Carbonic Corporation, The. (See Minor, Henry R., assignor.)
Lubri-Zol Development Corporation, The. (See Prutton, C. F., and Smith, assignors.)
Merry, Clayton B., Seattle, Wash., assignor, by mesne assignments, to T. R. Arden. Internal combustion engine. Re. 22,186; Sept. 29.
Miller, William J., Swissvale, Pa. Method and apparatus for manufacturing potteryware. Re. 22,187; Sept. 29.
Minerals Beneficiation, Incorporated. (See Wade, Henry H., assignor.)
Minor, Henry R., Dayton, Ohio, assignor, by mesne assignments, to The Liquid Carbonic Corporation, Chicago, Ill. Regulating and maintaining heat transfer. Re. 22,188; Sept. 29.
Prutton, C. F., Cleveland, and A. K. Smith, Shaker Heights, assignors to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating composition. Re. 22,189; Sept. 29.
Smith, Albert K. (See Prutton, C. F., and Smith.)
Van Cleave, Edwin E., Chicago, Ill. Railway hand brake mechanism. Re. 22,190; Sept. 29.
Wade, Henry H., Hopkins, Minn., assignor, by mesne assignments, to Minerals Beneficiation, Incorporated. Gravity separation of ores. Re. 22,191; Sept. 29.
Wingfoot Corporation. (See Zimmerman, John H., assignor.)
Zimmerman, John H., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Device for supporting tires in vulcanizers. Re. 22,192; Sept. 29.

LIST OF PLANT PATENTEES

Dixie Rose Nursery. (See Newman, Lenton, assignor.)
Newman, Lenton, assignor to Dixie Rose Nursery, Tyler, Tex. Rose plant. 545; Sept. 29.

LIST OF DESIGN PATENTEES

Adams, Gilgord D., Butterfield, Mo. Grave worker. 133,944; Sept. 29.
Alfred, Lawrence W., Denver, Colo. Engine stand. 133,957; Sept. 29.
Arrco Playing Card Company. (See Klumpp, E. A., and Harris.)
Astrup, Lloyd H., Detroit, Mich. Brooch or similar article. 133,917; Sept. 29.
Balzano, Herman, Gloversville, N. Y. Glove. 133,927; Sept. 29.
Balzano, Herman, Gloversville, N. Y. Glove. 133,928; Sept. 29.
Balzano, Herman, Gloversville, N. Y. Glove. 133,929; Sept. 29.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 133,918; Sept. 29.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 133,919; Sept. 29.
Barnsteiner, Alfons, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Cooker pot. 133,936; Sept. 29.
Baur, John W. (See Gustafsson, E., and Baur.)
Beeson, Clayton, Joliet, Ill., assignor to The Ruberoid Co., New York, N. Y. Siding. 133,920; Sept. 29.
Binks Manufacturing Company. (See Gustafson, E., and Baur, assignors.)
Bonafide Mills, Inc. (See Lynen, William, assignor.)
Brown, Samuel J., West Point, Ky. Meat block. 133,900; Sept. 29.
Cadet Smokestands Company. (See Ladd, James B., assignor.)
Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile. 133,904; Sept. 29.
Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile. 133,905; Sept. 29.
Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile. 133,906; Sept. 29.
Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lamp lens. 133,907; Sept. 29.
Caine, Robert, New York, N. Y. Dress. 133,958; Sept. 29.
Charles, Camille, New York, N. Y. Dress. 133,959; Sept. 29.
Charles, Camille, New York, N. Y. Dress. 133,960; Sept. 29.
Chrysler Corporation. (See Cadwallader, Robert, assignor.)
Church, Bertha L., Los Angeles, Calif. Game board. 133,945; Sept. 29.
Cox, Lloyd J., assignor to Richardson Corporation, Rochester, N. Y. Bottle. 133,946; Sept. 29.
Davis, Morton, New York, N. Y. Suit. 133,937; Sept. 29.
Double Duty Products, Inc. (See Houghton, Ellis M., assignor.)
Dumas, François U., Spencer, Mass. Store front. 133,921; Sept. 29.
Green, Frank C., Great Neck, N. Y. Textile fabric. 133,961; Sept. 29.
Green, Frank C., Great Neck, N. Y. Textile fabric. 133,962; Sept. 29.
Grier, Albert G., Katonah, and F. M. Schubert, Hollis, N. Y. Toy missile or similar article. 133,947; Sept. 29.
Gross, Louis H., Brooklyn, N. Y. Combined tie holder and compass. 133,948; Sept. 29.
Gustafsson, Eric, and J. W. Baur, assignors to Binks Manufacturing Company, Chicago, Ill. Combination gas and liquid separator or the like. 133,908; Sept. 29.
Harris, Nathan S. (See Klumpp, E. A., and Harris.)
Harrison, John W., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Rivet iron. 133,931; Sept. 29.
Harrison, Richard W., Charlestown, Mass. Year tag for an automobile license plate. 133,930; Sept. 29.
Harvey, James W., Lakeville, Conn. Bracket for supporting an outboard motor. 133,909; Sept. 29.
Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)
Houghton, Ellis M., Marion, assignor to Double Duty Products, Inc., Cleveland, Ohio. Dispensing container top. 133,910; Sept. 29.
Imperial Glass Corporation. (See Uhrmann, Carl J., assignor.)
Jacobs, Edward L., Vicksburg, Mich. Artificial bait or similar article. 133,949; Sept. 29.
King, Helen M., Beebe, Ark. Rug. 133,901; Sept. 29.
Klumpp, Edward A., and N. S. Harris, assignors to Arrco Playing Card Company, Chicago, Ill. Deck of playing cards. 133,950; Sept. 29.
Ladd, James B., Chicago, Ill., assignor to Cadet Smokestands Company, Des Moines, Iowa. Pylon smoker. 133,911; Sept. 29.
Lamb, Clyde K., Cleveland, Ohio. Combined chimney, lamp supporting structure, and lamps. 133,912; Sept. 29.
Landsberg, Fred L., New York, N. Y. Pin or similar article. 133,922; Sept. 29.
Landy, Otto, Chicago, Ill. Savings bank or similar article. 133,951; Sept. 29.

Lehr, George. (See Strunk, G. W., and Lehr.)
Lord, Howard F., assignor to J. W. Wood Elastic Web Company, Stoughton, Mass. Woven elastic fabric. 133,938; Sept. 29.
Lord, Howard F., assignor to J. W. Wood Elastic Web Company, Stoughton, Mass. Woven elastic fabric. 133,939; Sept. 29.
Lynen, William, Woodhaven, assignor to Bonafide Mills, Inc., New York, N. Y. Linoleum or similar article. 133,952; Sept. 29.
Mayeen, Othmar F., Bronx, N. Y. Airplane. 133,913; Sept. 29.
McGrail, William P., Bronxville, assignor to McLoughlin Manufacturing Company, New York, N. Y. Pajamas. 133,932; Sept. 29.
McLoughlin Manufacturing Company. (See McGrail, William P., assignor.)
Medgyes, Ladislas, assignor to Helena Rubinstein, Inc., New York, N. Y. Wrapping paper or similar article. 133,940; Sept. 29.
Metropolitan Paving Brick Company. (See Sever, D. R., and (Renkert, assignor).)
Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Heat-absorbing water conduit for tank water heaters. 133,914; Sept. 29.
O'Neil, William J., Atlantic Beach, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 133,941; Sept. 29.
Parnis, Mollie, New York, N. Y. Dress. 133,942; Sept. 29.
Penn, Thornton S., Des Moines, Iowa. Crutch. 133,915; Sept. 29.
Phillips, George L., Newkirk, Okla. Novelty toy. 133,953; Sept. 29.
Raimond, Massa, Malden, Mass. Brooch or similar article. 133,963; Sept. 29.
Raimond, Massa, Malden, Mass. Pin clip. 133,964; Sept. 29.
Raimond, Massa, Malden, Mass. Necklace. 133,965; Sept. 29.
Raimond, Massa, Malden, Mass. Bracelet. 133,966; Sept. 29.
Raimond, Massa, Malden, Mass. Earring. 133,967; Sept. 29.
Renkert, Donald J. (See Sever, D. R., and Renkert.)
Richardson Corporation. (See Cox, Lloyd, assignor.)
Robinson, Bestor, U. S. Army, Oakland, Calif. Water can. 133,916. Sept. 29.
Rosenblum, Harvey W., Shaker Heights, Ohio. Combined arm chair and ash receptacle. 133,902; Sept. 29.
Ruberoid Co., The. (See Beeson, Clayton, assignor.)
Ruberoid Co., The. (See Strunk, G. W., and Lehr, assignors.)
Rubin, Saul, Chicago, Ill. Ring. 133,923; Sept. 29.
Rubinstein, Helena, Inc. (See Medgyes, Ladislas, assignor.)
Schubert, Frederick M. (See Grier, A. G., and Schubert.)
Sever, Dean R., New Philadelphia, and D. J. Renkert, near Canton; said Renkert assignor to The Metropolitan Paving Brick Company, Canton, Ohio. Vitrified traffic marker. 133,943; Sept. 29.
Siegle, Fannie, Seattle, Wash. Mechanic's apron. 133,954; Sept. 29.
Sparkman, Clark B., La Porte, Ind. Lapel pin. 133,924; Sept. 29.
Strunk, George W., and G. Lehr, Joliet, Ill., assignors to The Ruberoid Co., New York, N. Y. Siding corner piece. 133,925; Sept. 29.
Tashman, William, Chicago, Ill. Handbag. 133,968; Sept. 29.
Tweedie, Charles, Jefferson City, Mo. Shoe. 133,903; Sept. 29.
Uhrmann, Carl J., assignor to Imperial Glass Corporation, Bellaire, Ohio. Hurricane lamp adapter for candlesticks or similar article. 133,955; Sept. 29.
Uhrmann, Carl J., assignor to Imperial Glass Corporation, Bellaire, Ohio. Hurricane lamp adapter for candlesticks or similar article. 133,956; Sept. 29.
Ulmer, Harry J., Cincinnati, Ohio. Badge or similar article. 133,926; Sept. 29.
Uncas Manufacturing Company. (See Barbieri, Nicholas, assignor.)
Underwood Elliot Fisher Company. (See O'Neil, William J., assignor.)
Warren, Thomas S., Los Angeles, Calif. Ultraviolet lamp. 133,969; Sept. 29.
Westinghouse Electric & Manufacturing Company. (See Barnsteiner, Alfons, assignor.)
Westinghouse Electric & Manufacturing Company. (See Harrison, John W., assignor.)
Wolf, Semon, New York, N. Y. Slip. 133,933; Sept. 29.
Wolf, Semon, New York, N. Y. Slip. 133,934; Sept. 29.
Wolf, Semon, New York, N. Y. Slip. 133,935; Sept. 29.
Wood, J. W., Elastic Web Company. (See Lord, Howard F., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF SEPTEMBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acheson, Louis K., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,297,275; Sept. 29.
Adcox, Luther L. (See Groat, J. H., and Adcox.)
Aerocrete Corporation of America, The. (See Miller, D., Weiskopf, and Pickworth, assignors.)
Albertson & Company. (See Albertson, Frank O., assignor.)
Albertson, Frank O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Machine for making abrasive disks. 2,296,890; Sept. 29.
Albrecht, Carl, Kronberg I. T., Germany; vested in the Alien Property Custodian. Apparatus for heat treating metallic goods in baths. 2,297,447; Sept. 29.
Alien Property Custodian. (See Albrecht, Carl.)
Alien Property Custodian. (See Augustin, Johann G. F.)
Alien Property Custodian. (See Badum, Ernst.)
Alien Property Custodian. (See Baroni, Augusto.)
Alien Property Custodian. (See Baumbach, Georg.)
Alien Property Custodian. (See Becker, Carlheinz.)
Alien Property Custodian. (See Behringer, Karl.)
Alien Property Custodian. (See Bendel, H., Krambeer, and Jacoby.)
Alien Property Custodian. (See Berek, M., Zimmermann, and Kleineberg.)
Alien Property Custodian. (See Berger, Arthur.)
Alien Property Custodian. (See Berger, E., and Rehm.)
Alien Property Custodian. (See Berger, Hermann.)
Alien Property Custodian. (See Beria, Biagio.)
Alien Property Custodian. (See Biedermann, Felix.)
Alien Property Custodian. (See Bielitz, F., and Lichte.)
Alien Property Custodian. (See Biseo, Emanuele.)
Alien Property Custodian. (See Böhler, Helmut.)
Alien Property Custodian. (See Bölter, Wilhelm.)
Alien Property Custodian. (See Borgward, Carl F. W.)
Alien Property Custodian. (See Brandholt, Kurt.)
Alien Property Custodian. (See Brautigam, A., Walther, Lang, and Berlin.)
Alien Property Custodian. (See Brückersteinkuhl, Kurt.)
Alien Property Custodian. (See Buchhart, Josef.)
Alien Property Custodian. (See Buddecke, Heinrich.)
Alien Property Custodian. (See Burger, Peter.)
Alien Property Custodian. (See Buschbeck, W., and Schneider.)
Alien Property Custodian. (See Caspary, Emil.)
Alien Property Custodian. (See Castelli, Emilio.)
Alien Property Custodian. (See Conradi, Friedrich.)
Alien Property Custodian. (See Dällenbach, Walter.)
Alien Property Custodian. (See Dällenbach, W., Collenbusch, and Pupp.)
Alien Property Custodian. (See Decker, Gustav.)
Alien Property Custodian. (See Deissner, Wilhelm.)
Alien Property Custodian. (See Deserno, Peter.)
Alien Property Custodian. (See Deserno, P., and Messner.)
Alien Property Custodian. (See Dichter, Jakob.)
Alien Property Custodian. (See Dietrich, Friedrich R.)
Alien Property Custodian. (See Dietrich, Otto.)
Alien Property Custodian. (See Dillenburger, Wolfgang.)
Alien Property Custodian. (See Donagemma, Giuseppe.)
Alien Property Custodian. (See Dressler, Max.)
Alien Property Custodian. (See Eberhardt, R., Nüsslein and Rupp.)
Alien Property Custodian. (See Ehlert, P., Pehrisch and Clasen.)
Alien Property Custodian. (See Eirich, Joseph and Gustav.)
Alien Property Custodian. (See Erben, Dietrich.)
Alien Property Custodian. (See Fallscheer, Fritz.)
Alien Property Custodian. (See Farina, Giovanni.)
Alien Property Custodian. (See Ferretti, Antonio.)
Alien Property Custodian. (See Fleischmann, Kurt.)
Alien Property Custodian. (See Friedrich, Albert.)
Alien Property Custodian. (See Fries, Gustav.)
Alien Property Custodian. (See Froehlich, Karl.)
Alien Property Custodian. (See Funke, W., Kalz, and Johannson.)
Alien Property Custodian. (See Fuscaldo, Ottavio.)
Alien Property Custodian. (See Gabler, E., and Rall.)
Alien Property Custodian. (See Geduhn, W., and Petry.)
Alien Property Custodian. (See Gente, Ernst.)
Alien Property Custodian. (See Gerlach, Erwin.)
Alien Property Custodian. (See Gobrecht, Heinrich.)
Alien Property Custodian. (See Gockel, Heinrich.)
Alien Property Custodian. (See Goldmann, Joachim.)
Alien Property Custodian. (See Görlich, Paul assignor.)
Alien Property Custodian. (See Gosslau, Fritz.)
Alien Property Custodian. (See Gosslau, F., Schmidt, and Zarnack.)
Alien Property Custodian. (See Grantzel, Alfred.)
Alien Property Custodian. (See Graupner, Paul L.)
Alien Property Custodian. (See Groetschel, Karl M.)
Alien Property Custodian. (See Günther, Johannes.)
Alien Property Custodian. (See Gutzmann, F., and Schulze-Herringen.)
Alien Property Custodian. (See Hagen, Wolfgang.)
Alien Property Custodian. (See Hahn, C., and Feldmann.)
Alien Property Custodian. (See Hahnemann, Walter M.)
Alien Property Custodian. (See Hardebeck, Carl.)
Alien Property Custodian. (See Hartner-Seberich, Richard.)
Alien Property Custodian. (See Heim, Gerhard.)
Alien Property Custodian. (See Heinecke, Erich.)
Alien Property Custodian. (See Hempel, Emil.)
Alien Property Custodian. (See Henning, Wolfgang.)
Alien Property Custodian. (See Henrich, H. E., and Vierling.)
Alien Property Custodian. (See Hintze, Rudolf.)
Alien Property Custodian. (See Hintze, R., and Engelmann.)
Alien Property Custodian. (See Hintze, R., and Glombitza, assignors.)
Alien Property Custodian. (See Hintze, R., and Pfaff.)
Alien Property Custodian. (See Holsten, Karl-Georg.)
Alien Property Custodian. (See Hoppe, Fritz.)
Alien Property Custodian. (See Huhn, F. A., and Kreemke.)
Alien Property Custodian. (See Huttenlocher, Richard.)
Alien Property Custodian. (See Jahn, W., and Lüder.)
Alien Property Custodian. (See Janovsky, Franz.)
Alien Property Custodian. (See Kallmann, H. I., and Kuhn.)
Alien Property Custodian. (See Kämpfer, Adolf.)
Alien Property Custodian. (See Karl, Georg.)
Alien Property Custodian. (See Kemna, Gustav.)
Alien Property Custodian. (See Kleinschmit, Oskar.)
Alien Property Custodian. (See Koller, K., and Gáiocsy.)
Alien Property Custodian. (See Köller, Richard.)
Alien Property Custodian. (See Komenda, Erwin.)
Alien Property Custodian. (See Körber, Kurt A.)
Alien Property Custodian. (See Kramar, Ernst.)
Alien Property Custodian. (See Kratzmann, Franz.)
Alien Property Custodian. (See Krüger, Johannes.)
Alien Property Custodian. (See Krüssmann, Adolf.)
Alien Property Custodian. (See Kuhlmann, Walter.)
Alien Property Custodian. (See Kühne, Kurt K.)
Alien Property Custodian. (See Langen, Hans.)
Alien Property Custodian. (See Lehrer, F., and Wotschke.)
Alien Property Custodian. (See Lentz, Anton.)
Alien Property Custodian. (See Lichte, August.)
Alien Property Custodian. (See Linke, G., and Micnaelis.)
Alien Property Custodian. (See L'Orange, Prosper.)
Alien Property Custodian. (See Lorenz, Karl.)
Alien Property Custodian. (See Lüderitz, Rudolf.)
Alien Property Custodian. (See Markes, Carl.)
Alien Property Custodian. (See Martin, H., and Gebert.)
Alien Property Custodian. (See Martin, K., Möckel, and Kaiser.)
Alien Property Custodian. (See Maximoff, A., and Canonici.)
Alien Property Custodian. (See Meer, Karl.)
Alien Property Custodian. (See Meier, Ernst, Jr.)
Alien Property Custodian. (See Meininghaus, Ulrich.)
Alien Property Custodian. (See Meissner, Kurt.)
Alien Property Custodian. (See Melswinkel, Samuel.)
Alien Property Custodian. (See Michaelis, Günter.)
Alien Property Custodian. (See Möbius, W., Hautsch, and Ulbrich.)
Alien Property Custodian. (See Monti Guarnieri, Gaetano.)
Alien Property Custodian. (See Müller, Alfred.)
Alien Property Custodian. (See Müller-Keuth, W., and Engert.)
Alien Property Custodian. (See Nádai, A., and Stern.)
Alien Property Custodian. (See Nägele, Karl F.)
Alien Property Custodian. (See Nallinger, Fritz, assignor.)
Alien Property Custodian. (See Nasca, Pasquale.)
Alien Property Custodian. (See Neidhardt, Peter.)
Alien Property Custodian. (See Nerwin, Hubert.)
Alien Property Custodian. (See Neugebauer, F., Franz, Decher, and Meissner.)

Alien Property Custodian. (See Neugebauer, F., and Lichte.)
Alien Property Custodian. (See Neumann, Leo.)
Alien Property Custodian. (See Nüchterlein, Karl.)
Alien Property Custodian. (See Paehr, Hans W.)
Alien Property Custodian. (See Perner, Leonhard.)
Alien Property Custodian. (See Peters, Wilhelm.)
Alien Property Custodian. (See Pfahl, Werner.)
Alien Property Custodian. (See Pfau, Hans.)
Alien Property Custodian. (See Pöhlmann, Fritz.)
Alien Property Custodian. (See Poll, Rudolf.)
Alien Property Custodian. (See Pomilio, Carlo.)
Alien Property Custodian. (See Popoff, Mintscho.)
Alien Property Custodian. (See Pott, August F.)
Alien Property Custodian. (See Prast, Johannes.)
Alien Property Custodian. (See Püschner, Julius and J.)
Alien Property Custodian. (See Quentin, Alberto.)
Alien Property Custodian. (See Rappold, Armin.)
Alien Property Custodian. (See Rasch, W., and Ballerstein.)
Alien Property Custodian. (See Rauchholz, Heinrich.)
Alien Property Custodian. (See Roloff, J., and Hautsch.)
Alien Property Custodian. (See Rudolph, Hans.)
Alien Property Custodian. (See Rudolph, Willi.)
Alien Property Custodian. (See Runge, Wilhelm.)
Alien Property Custodian. (See Salvaneschi, Pino.)
Alien Property Custodian. (See Sato, Shinzaburo.)
Alien Property Custodian. (See Schild, Karl.)
Alien Property Custodian. (See Schmidberger, Heinrich.)
Alien Property Custodian. (See Schmidt, Fritz.)
Alien Property Custodian. (See Schmidt, Heinrich.)
Alien Property Custodian. (See Scholz, Werner.)
Alien Property Custodian. (See Schomann, Leonid.)
Alien Property Custodian. (See Schüler, Hugo.)
Alien Property Custodian. (See Schulze-Herringen, E., and Gutzmann.)
Alien Property Custodian. (See Schumann, Winfried O.)
Alien Property Custodian. (See Schütte, Alfred.)
Alien Property Custodian. (See Schwager, Otto.)
Alien Property Custodian. (See Scotti, Antonio.)
Alien Property Custodian. (See Seitz, E. O., and Lotz.)
Alien Property Custodian. (See Spanner, Hans J.)
Alien Property Custodian. (See Speiser, Victor.)
Alien Property Custodian. (See Stapelfeldt, Arnold.)
Alien Property Custodian. (See Stehr, Robert.)
Alien Property Custodian. (See Stoeckly, J. J., and Linnhoff.)
Alien Property Custodian. (See Strzyzewski, A., and Froehlich.)
Alien Property Custodian. (See Szabó, Adorján E.)
Alien Property Custodian. (See Szücs, Ioan.)
Alien Property Custodian. (See Thilenius, Rudolf.)
Alien Property Custodian. (See Thode, Adolf.)
Alien Property Custodian. (See Toennessen, Ernst.)
Alien Property Custodian. (See Tönnies, Hans F.)
Alien Property Custodian. (See Torriani, Luigi.)
Alien Property Custodian. (See Tuchscherer, Paul.)
Alien Property Custodian. (See Venerl, Modesto.)
Alien Property Custodian. (See Vieweger, Martin.)
Alien Property Custodian. (See Volt, Willy.)
Alien Property Custodian. (See Volk, Alfred.)
Alien Property Custodian. (See Von Ardenne, Manfred.)
Alien Property Custodian. (See von Baeyer, Hans J. R.)
Alien Property Custodian. (See von Baeyer, H. J. R., Roosenstein, and Tantzen.)
Alien Property Custodian. (See von Bronk, Otto.)
Alien Property Custodian. (See von Manteuffel, G. Z.)
Alien Property Custodian. (See von Ottenthal, Rudolf.)
Alien Property Custodian. (See von Tannenberg, Walter M.)
Alien Property Custodian. (See Walter, Ludwig.)
Alien Property Custodian. (See Wegerdt, Fritz.)
Alien Property Custodian. (See Wendt, F., Haug, Kohlbecker, and Seppeler.)
Alien Property Custodian. (See Wenzel, Friedrich.)
Alien Property Custodian. (See Werkenthin, Albert.)
Alien Property Custodian. (See Westerkamp, Hugo.)
Alien Property Custodian. (See Wieland, H., and Konz.)
Alien Property Custodian. (See Wiest, G., and Hopff.)
Alien Property Custodian. (See Wolman, Karl.)
Alien Property Custodian. (See Wünsch, Guido.)
Alien Property Custodian. (See Yamasaki, Izue.)
Alien Property Custodian. (See Zadnik, Otto.)
Alien Property Custodian. (See Zanardini, Giuseppe.)
Alien Property Custodian. (See Zellbeck, G., and Müller.)
Alkire, Earl C., and E. F. Blase, assignors to Sangamo Electric Company, Springfield, Ill. Coated chart paper and making same. 2,296,972; Sept. 29.
Allan, Benjamin W., and W. E. Land, assignors to American Zirconium Corporation, Baltimore, Md. Titanium dioxide pigment and making same. 2,297,523; Sept. 29.
Allen-Bradley Company. (See Matthias, Lynn H., assignor.)
Allen-Bradley Company. (See Wilms, G. O., and Dawe, assignors.)
Allendorff, Frederich. (See Glässing, K., and Allendorff.)
Almdale, Einar, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Automobile frame. 2,297,123; Sept. 29.
Aluminum Company of America. (See Dean, Milo M., assignor.)
Amalgamated Wireless (Australasia) Limited. (See Green, Alfred L., assignor.)
Can Company, New York, N. Y. Canning. 2,296,828; Sept. 29.
American Agricultural Chemical Company, The. (See Milligan, Charles H., assignor.)
American Air Filter Company. (See Williams, Charles W., assignor.)
American Anode Inc. (See Beal, Carl L., assignor.)
American Armament Corporation. (See Brayton, Harold M., assignor.)
American Bitumuls Company. (See McKesson, C. L., and Watts, assignors.)
American Can Company. (See Ball, Charles O., assignor.)
American Can Compay. (See Gueffroy, Walter A., assignor.)
American Can Company. (See Pechy, William, assignor.)
American Chicle Company. (See Hartwig, C. E., and Lougovoy, assignors.)
American Cyanamid Company. (See Mead, H. L., and Maust, assignors.)
American Linen Company. (See Belden, Charles W., assignor.)
American Optical Company. (See Ziegler, Byron J., assignor.)
American Viscose Corporation. (See Davis, I. P., and Schlatter, assignors.)
American Window Glass Company. (See Weihs, Theodor G., assignor.)
American Zirconium Corporation. (See Allan, B. W., and Land, assignors.)
Andersen, Bjorn, Maplewood, N. J., assignor, by mesne assignments, to Celanese Corporation of America. Cement. 2,296,891; Sept. 29.
Anderson, Tengel. (See Anderson, T. K., and Tengel.)
Andersen, Thomas K., West New Brighton, and T. Andersen, Port Richmond, assignors to Overhead Loader Corporation, Staten Island, N. Y. Material collecting and loading apparatus. 2,296,827; Sept. 29.
Anderson, Earl I., New York, N. Y., assignor to Radio Corporation of America. Color television system. 2,297,524; Sept. 29.
Anderson, Ralph L. (See Paradise, L. A., and Anderson.)
Anderson, Victor G., New Rochelle, and E. Rambusch, Brooklyn, assignors to Rambusch Decorating Company, New York, N. Y. Lighting fixture. 2,297,124; Sept. 29.
Andres, William J. (Sanford, R. S., Andres, and Rohrer, Jr.)
Andrew, Harry J., Oldham, England. Planetary gearing. 2,296,892; Sept. 29.
Angst, Walter, Manhasset, N. Y., assignor to Square D Company, Detroit, Mich. Power responsive device. 2,297,644; Sept. 29.
Anheuser, Ernest A., Milwaukee, Wis. (Film guide. 2,297,525; Sept. 29.
Ardelt, Eugene M., Denver, Colo. Anemometer. 2,296,973; Sept. 29.
Armstrong, Adam E., and F. A. Thor, assignors to Armstrong Machine Works, Three Rivers, Mich. Drainage device for web drying machines. 2,297,094; Sept. 29.
Armstrong Machine Works. (See Armstrong, A. E., and Thor, assignors.)
Aronauer, Joseph, Inc. (See Saval, Joseph A., assignor.)
Art Metal Construction Company. (See Clark, R. W., and Johnson, assignors.)
Ashworth, James, Waukegan, Ill. Liquid purifying apparatus. 2,296,824; Sept. 29.
Associated Electric Laboratories, Inc. (See Logan, T. A., and Molnar, assignors.)
Associated Electric Laboratories, Inc. (See Molnar, Imre, assignor.)
Associated Electric Laboratories, Inc. (See Mullerheim, Kurt, assignor.)
Associated Electric Laboratories, Inc. (See Ostline, John E., assignor.)
Associated Electric Laboratories, Inc. (See Wicks, John, assignor.)
Atlantic Research Associates, Inc. (See Atwood, Francis C., assignor.)
Attwood, Charles W., Detroit, Mich. Duct-enclosed bus structure. 2,297,279; Sept. 29.
Atwood, Francis C., Newton, Mass., assignor to Atlantic Research Associates, Inc., Wilmington, Del. Protein composition and foam abatement. 2,297,125; Sept. 29.
Atwood, Francis C., Newton, Mass., assignor to Atlantic Research Associates, Inc., Wilmington, Del. Protein composition and foam abatement. 2,297,276; Sept. 29.
Atwood Machine Company. (See Cushman, Joseph E., assignor.)
Atwood Machine Company. (See Winslow, Albert E., assignor.)
Augustin, Johann G. F., Krefeld, Germany; vested in the Alien Property Custodian. Bag filling machine. 2,297,382; Sept. 29.
Austin, Harold J., Hartsdale, N. Y. Illuminated sign. 2,296,893; Sept. 29.
Automatic Computing Cash Register Corporation. (See San Germán, Fernando, assignor.)
Ayers, George W., Jr. (See Henderson, L. M., and Ayers.)
Back, Franz G., assignor of one-fourth to Gastro-Photor Laboratories, New York, N. Y. Motion picture camera. 2,297,603; Sept. 29.

Badum, Ernst, Bergisch-Gladbach, Germany; vested in the Alien Property Custodian. Ozone resistant cable insulation; 2,297,194; Sept. 29.
Bailey, James, West Hartford, assignor to Plax Corporation, Hartford, Conn. Process of and apparatus for extruding plastic sheets. 2,297,645; Sept. 29.
Ball, Charles O., Mount Vernon, assignor to American Ballerstein, Hermann. (See Rasch, W., and Ballerstein.)
Bambenek, Joseph B., assignor to Peerless Chain Company, Winona, Minn. Chain swivel. 2,297,277; Sept. 29.
Bambenek, Joseph B., assignor to Peerless Chain Company, Winona, Minn. Producing swivels in link chain structures. 2,297,278; Sept. 29.
Barber, Alfred W., Flushing, N. Y. Directional tuning indicator. 2,297,126; Sept. 29.
Barber, Leroy B. (See Bateman, W. W., and Barber.)
Barker, Ernest L., and C. P. Gillespie, Houston, Tex. Bottom hole choke. 2,297,044; Sept. 29.
Baroni, Augusto, Rome, Italy; vested in the Alien Property Custodian. Bomb sight and pilot director. 2,297,448; Sept. 29.
Barry, Arthur J., assignor to The Dow Chemical Company, Midland, Mich. Making alkali cellulose of low water content. 2,296,829; Sept. 29.
Bassett, Rex E., Jr., Miami Beach, Fla., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Switch. 2,297,095; Sept. 29.
Batchelder, Laurence, Cambridge, assignor to Submarine Signal Company, Boston, Mass. Electric compensator. 2,297,668; Sept. 29.
Bateman, William W., Mineral Wells, Tex., and L. B. Barber, St. Louis, Mo. Ice breaking and sizing machine. 2,297,604. Sept. 29.
Bauer, Oliver F., East Rochester, assignor to Gleason Works, Rochester, N. Y. Apparatus for testing gears. 2,296,894; Sept. 29.
Baumbach, Georg, Berlin, Germany; vested in the Alien Property Custodian. Electron tube. 2,297,449; Sept. 29.
Bauwens Machine Company. (See Bauwens, Seraphine F., assignor.)
Bauwens, Seraphine F., Chicago, Ill., assignor to Bauwens Machine Company, Inc. Machine for operating on ribbon material. 2,297,096; Sept. 29.
Bayer, Matthew F., and J. S. Petersen, Kenosha, Wis., assignors to Simmons Company, New York, N. Y. Sofa-bed. 2,297,526; Sept. 29.
Beach, Justice H., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,297,280; Sept. 29.
Beal, Carl L., Cuyahoga Falls, assignor the American Anode Inc., Akron, Ohio. Pneumatic cushion. 2,297,127; Sept. 29.
Beal, George D., Pittsburgh, Pa., assignor to Continental Can Company, Inc., New York, N. Y. Sterilizing containers. 2,296,974; Sept. 29.
Beall, David A., Los Angeles, Calif., assignor to Garlinghouse Brothers. Dump cart. 2,297,344; Sept. 29.
Beals, Roscoe G., De Kalb, Ill. Cigar container. 2,296,830; Sept. 29.
Becker, Carlheinz, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian. Controlling the exposure of photographic sound records. 2,297,450; Sept. 29.
Beekhuis, Herman A., Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Oxidizing nitrosyl chloride. 2,297,281; Sept. 29.
Behan, John Howard, Woodside, Long Island, N. Y. Safety match book. 2,297,527; Sept. 29.
Behrend, Oswald. (See Houck, R. H., Greene, and Behrend.)
Behringer, Karl, Stuttgart, Germany; vested in the Alien Property Custodian. Rendering alkaline sludge from sewage putrefactible. 2,297,195; Sept. 29.
Belden, Charles W., Chicago, Ill., assignor, by mesne assignments, to American Linen Company, Los Angeles, Calif. Color-matching device. 2,297,282; Sept. 29.
Bell, Henry B., Tulsa, Okla. Fraud prevention device for meters. 2,297,528; Sept. 29.
Bell Telephone Laboratories, Incorporated. (See Goff, Harold W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kemp, Archie R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stevens, Bruce E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Vance, Robert L., assignor.)
Bellezza, Russell G., and E. M. Skipper, assignors to Locke Insulator Corporation, Baltimore, Md. Pugmill. 2,297,646; Sept. 29.
Bendel, Hermann, Berlin-Charlottenburg, K. H. Krambeer, Berlin-Spandau, H. Jacoby, Finkenkrug, Kreis Osthavelland, Germany; vested in the Alien Property Custodian. Selective filtering of frequency band ranges. 2,297,451; Sept. 29.
Bendix Aviation Corporation. (See Berges, Donald M., assignor.)
Bendix Aviation Corporation. (See Briechle, A., Hurley and Merritt, assignors.)
Bendix Home Appliances, Inc. (See Bassett, Rex E., Jr., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Eaton, Wilfred A., assignor.)
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Tractor planter. 2,297,384; Sept. 29.
Benson, Arthur E., South Attleboro, Mass. Loom temple roll. 2,297,128; Sept. 29.
Berek, Max, O. Zimmermann and G. Kleineberg, Wetzlar, Germany; vested in the Alien Property Custodian. Photographic objective. 2,297,452; Sept. 29.
Berg, Quentin, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,297,283; Sept. 29.
Berger, Arthur, Stuttgart-Oberturkheim, Germany; vested in the Alien Property Custodian. Liquid clutch. 2,297,196; Sept. 29.
Berger, Edwin and K. Rehm, Jena, Germany; vested in the Alien Property Custodian. Optical glass. 2,297,453; Sept. 29.
Berger, Hermann, Berlin, Germany; vested in the Alien Property Custodian. Cathode. 2,297,454; Sept. 29.
Berges, Donald M., Alpine, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starting mechanism. 2,296,975; Sept. 29.
Bergstein, Robert M., Cincinnati, Ohio. Lined container and packaging with same. 2,296,895; Sept. 29.
Bergstein, Robert M., Cincinnati, Ohio. Making duplex containers. 2,296,896; Sept. 29.
Bergström, John E., Halmstad, Sweden. Centerless grinding machine. 2,297,045; Sept. 29.
Beria, Biagio, Turin, Italy; vested in the Alien Property Custodian. Differential mechanism for cash registers. 2,297,383; Sept. 29.
Berk, Abraham A. (See Schroeder, W. C., and Berk.)
Berkshire Knitting Mills. (See Sheeler, William E., assignor.)
Berlin, Kurt. (See Brantigam, A., Walther, Lang, and Berlin.)
Berry, Frank, Corinth, Miss. Rotary motor. 2,297,529; Sept. 29.
Best, Wilson F., Grand Rapids, Mich. Receptacle. 2,297,097; Sept. 29.
Bethlehem Steel Company. (See Greenwell, N., and Schenck, assignors.)
Bethlehem Steel Company. (See Steffensen, Percy L., assignor.)
Biedermann, Felix, Berlin-Weissensee, Germany; vested in the Alien Property Custodian. Producing compound cast bearings. 2,297,385; Sept. 29.
Bielitz, Friedrich, Dessau, and A. Lichte, Dessau-Alten, Germany; vested in the Alien Property Custodian. Mounting for control devices. 2,297,386; Sept. 29.
Billing, Joseph, and D. R. Johnston, Spondon, near Derby, England, assignors to Celanese Corporation of America. Dewatering of fibrous materials. 2,296,897; Sept. 29.
Biseo, Emanuele, Rome, Italy; vested in the Alien Property Custodian. Optical indicator for road signaling. 2,297,387; Sept. 29.
Blackburn, Charles M., Indianapolis, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrolytic condenser and making the same. 2,297,607; Sept. 29.
Blackburn, Charles M., Jackson Township, Brown County, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Dry electrolytic condenser. 2,297,608; Sept. 29.
Blackburn, George F. (See Peters, M. F., and Blackburn.)
Blackman, Smith A., Kirkwood, assignor to Gaylord Container Corporation, St. Louis, Mo. Container. 2,297,284; Sept. 29.
Blanchard, Joseph G., London, assignor of one-half to C. G. Vokes, Putney, London, England. Silencer. 2,297,530; Sept. 29.
Blase, Emil F. (See Alkire, E. C., and Blase.)
Blaw-Knox Company. (See Fanning, Fred H., assignor.)
Bledsoe, Charles W., Lake James, Ind. Cardholder for key chains. 2,297,285; Sept. 29.
Bloxsom, Allan P., Houston, Tex. Safety slide fastener. 2,296,831; Sept. 29.
Bock, Louis H., Glenside, assignor to Röhm & Haas Company, Philadelphia, Pa. Tertiary amines. 2,297,531; Sept. 29.
Böhler, Helmut, Radebeul, near Dresden, Germany; vested in the Alien Property Custodian. Disinfectant and its manufacture. 2,297,388; Sept. 29.
Bohnstedt, Harry L., Custer, S. Dak. Pressure regulating valve. 2,297,129; Sept. 29.
Bölter, Wilhelm, Karlsruhe, Germany; vested in the Alien Property Custodian. Zigzag sewing machine. 2,297,197; Sept. 29.
Bomar, Raymond E., Oklahoma City, Okla. Drag preventing means for projectiles. 2,297,130; Sept. 29.
Bonanno, Joseph L., Maplewood, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy railroad track switch. 2,297,131; Sept. 29.
Bond, William G. (See Ladner, L. A., and Bond.)
Bondurant, Carlton W., Euclid, assignor to The Titan Valve and Manufacturing Company, Cleveland, Ohio. Adjustable thermostatic valve. 2,296,898; Sept. 29.
Bone, Robert S., San Benito, Tex., assignor to Food Machinery Corporation, San Jose, Calif. Electric weighing machine. 2,296,976; Sept. 29.
Bonsall, Charles D., Chicago, Ill., assignor to Standard Railway Devices Company. Refrigerator car construction. 2,296,899; Sept. 29.
Bonsall, Charles D., assignor to Standard Railway Devices Company, Chicago, Ill. Refrigerator car construction. 2,296,900; Sept. 29.

Book, Austin R., New Stanton, Pa. Sagger. 2,297,286; Sept. 29.
Borgward, Carl F. W., Bremen, Germany; vested in the Alien Property Custodian. Chassis frame. 2,297,198; Sept. 29.
Bossi, Romeo A., Newton Center, Mass. Bomb sight for airplanes. 2,297,132; Sept. 29.
Boston Machine Works Company. (See Osgood, Walter P., assignor.)
Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Preventing shock excitation of acoustic conduits or chambers. 2,297,046; Sept. 29.
Bowdil Company. (See Morrow, Harry M., assignor.)
Bowen, Arthur, Coventry, England, assignor to General Electric Company. Surround for projected images. 2,297,345; Sept. 29.
Bowers, Albert L., South Bend, assignor of one-half to C. A. Schrader, Mishawaka, Ind. Portable flame machine. 2,296,832; Sept. 29.
Boynton, Alexander, San Antonio, Tex. Input air or gas control valve for cased wells. 2,296,833; Sept. 29.
Boynton, Alexander, San Antonio, Tex. Pneumatic gun, bellows type. 2,296,834; Sept. 29.
Boynton, Alexander, San Antonio, Tex. Differential type pneumatic piston pump. 2,296,835; Sept. 29.
Brace, Eldred C. (See Collis, O. D., Brace, and Thompson.)
Brace, George A., Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,297,287; Sept. 29.
Brandholt, Kurt, Berlin, Germany; vested in the Alien Property Custodian. Drive for electric tuning means. 2,297,389; Sept. 29.
Brantigam, Alfred, Berlin-Grunewald, H. Walther, Wiederitzsch, near Leipzig, K. F. Lang and K. Berlin, Erkner, near Berlin, Germany; vested in the Alien Property Custodian. Coal tar pitch and preparing the same. 2,297,455; Sept. 29.
Brayton, Harold M., Dover, N. J., assignor to American Armament Corporation, New York, N. Y. Tracer and self-destroying device. 2,296,901; Sept. 29.
Briechle, Ambrosius, Dobbs Ferry, R. T. Hurley, Brooklyn, N. Y., and C. E. Merritt, Lusby, Md., assignors to Bendix Aviation Corporation, South Bend, Ind. Projecting apparatus. 2,296,928; Sept. 29.
Brien, Kenneth M., assignor of one-half to J. W. Kelch, Detroit, Mich. Hydroplane hull structure. 2,296,977; Sept. 29.
Briggs, Arthur J., Syracuse, assignor to Magazine Repeating Razor Company, New York, N. Y. Razor. 2,296,902; Sept. 29.
Brinkmann, Guenther, assignor to Ex-Cell-O Corporation, Detroit, Mich. Backlash compensator. 2,297,047; Sept. 29.
Brinson, Talmadge, Savannah, Ga. Fence post. 2,297,288; Sept. 29.
British Ropes Limited. (See Gibson, Albert, assignor.)
Britten, Leslie F., Bushey Heath, H. G. Jenkins, Pinner, and A. H. McKeag, North Wembley, England, assignors to General Electric Company. Luminescent coating. 2,297,048; Sept. 29.
Bronson, Cyril D., Klamath Falls, Oreg. Direction signal. 2,296,978; Sept. 29.
Brost, Robert V., and C. K. Schwartz, Elkhart Lake, assignors to Adolph L. Langenfeld, New Holstein, Wis. Projector. 2,297,532; Sept. 29.
Brostrom, Charles G., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Roughing machine. 2,296,836; Sept. 29.
Brotz, Frank G., Kohler, Wis. Cross T connection. 2,297,533; Sept. 29.
Brown Instrument Company, The. (See Mallory, Robert L., assignor.)
Brown, Ivy D., Vista, Calif. Wrinkle eradicator. 2,296,903; Sept. 29.
Brown, Jennie P., and V. V. Guild, Pueblo, Colo. Game. 2,296,904; Sept. 29.
Brückersteinkuhl, Kurt, Berlin-Friedenau, Germany; vested in the Alien Property Custodian. Signal amplifier. 2,297,456; Sept. 29.
Brulin, Edvard, assignor of one-half to Olson Bros. Machine, Tool and Saw Co., Inc., Brooklyn, N. Y. Distance measuring device. 2,297,534; Sept. 29.
Brunhoff, Henry E., Wyoming, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Cabinet top panel. 2,296,905; Sept. 29.
Brunhoff Manufacturing Company, The. (See Brunhoff, Henry E., assignor.)
Bruning, Charles Company. (See Macdonald, H. G., and Streich, assignors.)
Bruns, William H. (See Lewis, J. D., and Bruns.)
Bryant, Ozro N., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Governing valve for prime movers. 2,297,535; Sept. 29.
Buchhart, Josef, Stuttgart-Zuffenhausen, Germany; vested in the Alien Property Custodian. Universal joint. 2,297,457; Sept. 29.
Buckley Music System, Inc. (See Henry, Earle G., assignor.)
Buckwalter, Howard M., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Cotton fibers and treating same. 2,297,536; Sept. 29.
Buddecke, Heinrich, Adelsberg, near Chemnitz, Germany; vested in the Alien Property Custodian. Device for receiving, conveying, or transporting bulky objects. 2,297,199; Sept. 29.
Bulldog Electric Products Company. (See Platz, Elwood T., assignor.)
Burger, Peter, Munich, Germany; vested in the Alien Property Custodian. Splined connection. 2,297,390; Sept. 29.
Burgess Cellulose Company. (See Schorger, Arlie W., assignor.)
Burkhardt, Louis, assignor to The Midland Steel Products Company, Cleveland, Ohio. Structural device. 2,297,133; Sept. 29.
Burnham, John. (See Robinson, P., and Burnham.)
Buschbeck, Werner, and W. Schneider, Berlin, Germany; vested in the Alien Property Custodian. Liquid cooled condenser. 2,297,200; Sept. 29.
Byrkit, Gordon D. (See Lincoln, B. H., and Byrkit.)
Byrne, Hugh J., Oakland, Calif. Automatic variable speed control apparatus. 2,296,979; Sept. 29.
Byron Jackson Co. (See Hollander, A., and Hoover, assignors.)
California Fruit Growers Exchange. (See Tiffany, Frank E., assignor.)
Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Transformer. 2,297,605; Sept. 29.
Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Electric apparatus. 2,297,606; Sept. 29.
Canonici, Oberto. (See Maximoff, A., and Canonici.)
Carlile, Alfred E., Meadville, Pa., assignor to Talon, Inc. Slider for slide fasteners. 2,296,825; Sept. 29.
Carlson, John S., Norwood, assignor of one-half to The Colonial Press, Inc., Clinton, Mass. Machine for lining the backs of books. 2,296,906; Sept. 29.
Carmichael, Asa B., Tujunga, assignor of forty-nine per cent to O. S. Hober, Sunland, Calif. Shell. 2,296,980; Sept. 29.
Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Rectifying column control. 2,297,098; Sept. 29.
Carter Carburetor Corporation. (See Moseley, James T. W., assignor.)
Caspary, Emil, Hemelingen, near Bremen, Germany; vested in the Alien Property Custodian. Ship's berth. 2,297,201; Sept. 29.
Castelli, Emilio, Como, Italy; vested in the Alien Property Custodian. Manufacture of mixed yarns of artificial textile fiber and natural silk threads. 2,297,458; Sept. 29.
Catlin, Leonard A., and W. H. Cockerill, assignors to E. M. B. Company Limited, West Bromwich, England. Pneumatically operated die-casting machine. 2,296,907; Sept. 29.
Celanese Corporation of America. (See Andersen, Bjorn, assignor.)
Celanese Corporation of America. (See Billing, J., and Johnston, assignors.)
Centrille Corporation. (See Perkins, Albert G., assignor.)
Chalker, Albert R., Bellevue, Pa., assignor to The Standard Stoker Company, Incorporated. (Stoker mechanism. 2,297,134; Sept. 29.
Chamberlain, Inc. (See Parman, Howard R., assignor.)
Champion, Inc. (See West, Maxwell A., assignor.)
Chance, A. B., Company. (See Hubbard, David C., assignor.)
Charles Bruning Company. (See Streich, Paul B., assignor.)
Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Table extension. 2,297,647; Sept. 29.
Chemical Foundation, Incorporated, The, trustee. (See Reid, Ebenezer E., assignor.)
Chicago Bridge & Iron Company. (See Larson, Donald E., assignor.)
Chicago By-Products Corporation. (See Wittmann, Robert A., assignor.)
Chicago Development Company. (See Moss, Cresap M., assignor.)
Chicago Die Casting Manufacturing Company. (See Koch, Paul F., assignor.)
Chicago Pneumatic Tool Company. (See Fossum, Henry O., assignor.)
Chicago Pneumatic Tool Company. (See Nally, Joseph, assignor.)
Chicago Pneumatic Tool Company. (See Reed, Clarence E., assignor.)
Chicago Steel Foundry Company. (See Garrison, Charles K., assignor.)
Chilton, William D. (See Janoskovits, J., and Chilton.)
Chromogen, Incorporated. (See Gáspár, Béla, assignor.)
Chun, Melvin E., Huntington Park, assignor to Lane-Wells Company, Los Angeles, Calif. Method and apparatus for determining the point of water entry into oil wells. 2,296,981; Sept. 29.
Clark, George H. (See Lennholm, G. A., and Clark.)
Clark, Roscoe W., Lakewood, and C. A. Johnson, Celeron, assignors to Art Metal Construction Company, Jamestown, N. Y. Door and the like. 2,297,609; Sept. 29.
Clark Thread Company, The. (See Shepherd, Thomas L., assignor.)
Clasen, Erich. (See Ehlert, P., Pehrisch, and Clasen.)
Cobb, Joseph C., and E. P. Floyd, Tucapau, S. C. Bobbin receptacle for looms. 2,296,982; Sept. 29.

Cockerill, Wilfred H. (See Catlin, Leonard A., and Cockerill.)
Coes, Loring, Jr., Brookfield, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl esters and vinyl ester interchange process. 2,296,837; Sept. 29.
Cole, Allen T. (See Tartaron, F. X., Cole, and Duke.)
Colgate-Palmolive-Peet Company. (See Ross, John and Percy, assignors.)
Collenbusch, Hugo. (See Dällenbach, W., Collenbusch, and Pupp.)
Collis Company, The. (See Collis, O. D., Brace, and Thompson, assignors.)
Collis, Oliver D., E. C. Brace, and E. O. Thompson, assignors to The Collis Company, Clinton, Iowa. Furnace discharging device. 2,297,289; Sept. 29.
Colonial Press, Inc., The. (See Carlson, John S., assignor.)
Colt's Patent Fire Arms Manufacturing Company. (See Webb, George, assignor.)
Conradi, Friedrich, Magdeburg-Hopfgarten, Germany; vested in the Alien Property Custodian. Grinding mill. 2,297,391; Sept. 29.
Container Corporation of America. (See Lowey, Roy E., assignor.)
Continental Can Company. (See Beal, George D., assignor.)
Continental Machines, Inc. (See Wilkie, James W., assignor.)
Continental Oil Company. (See Lincoln, B. H., and Byrkit, assignors.)
Cooper, Charles K., and D. L. Jones, Warren, Ohio, assignors to General Motors Corporation. Detroit, Mich. Machine for attaching eyelets to wires. 2,296,983; Sept. 29.
Cooperative Grange League Federation Exchange, Inc. (See Dake, Merrills L., assignor.)
Corbett, Harvey W. (See Hasenburger, H., and Corbett.)
Corbetta, Louis P., Harrison, N. Y. Apparatus for forming concrete domes. 2,296,984; Sept. 29.
Core Laboratories, Inc. (See Horner, William L., assignor.)
Corey, Wm. S. (See Wirz, Herman, Jr., assignor.)
Corhart Refractories Company. (See Field, Theodore E., assignor.)
Cotton, Robert E., St. Clair Shores, and M. C. Tata, Detroit, Mich. Blower structure. 2,297,049; Sept. 29.
Cotton, Robert E., St. Clair Shores, and M. C. Tata, Detroit, Mich. Blower structure. 2,297,050; Sept. 29.
Cowin, Herbert W. (See Day, R. O., and Cowin.)
Craig, Wallace A., and P. C. Rich, assignors to Richfield Oil Corporation, Los Angeles, Calif. Petroleum refining 2,297,537; Sept. 29.
Craig, W. E. (See Hester, W. F., and Craig.)
Crane Co. (See Fennema, Richard, assignor.)
Crane Co. (See Newton, Norman B., assignor.)
Cresswell, Charles T., Montreal, Quebec, Canada. Window installation. 2,296,985; Sept. 29.
Crist, Philip W., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Measuring instrument. 2,297,346; Sept. 29.
Crom, John M., New York, N. Y. Tunnel lining machine. 2,297,099; Sept. 29.
Crosby, Everett, New York, N. Y. Color television system. 2,269,908; Sept. 29.
Cruickshank, Alice C., et al. (See Cruickshank, James H., assignor.)
Cruickshank, Florence B., et al. (See Cruickshank, James H., assignor.)
Cruickshank, James H., assignor of thirty-five percent to P. B. Cruickshank, thirty-five percent to J. H. Cruickshank, five percent to J. H. Cruickshank, Jr., five percent to J. E. Cruickshank, five percent to R. W. Cruickshank, and fifteen percent to A. C. Cruickshank, Big Indian, N. Y. Pallet. 2,297,347; Sept. 29.
Cruickshank, James H., et al. (See Cruickshank, James H., assignor.)
Cruickshank, James H., Jr., et al. (See Cruickshank, James H., assignor.)
Cruickshank, John E., et al. (See Cruickshank, James H., assignor.)
Cruickshank, Robert W., et al. (See Cruickshank, James H., assignor.)
Cushman, Joseph E., Stonington, Conn., assignor to Atwood Machine Company. Mandrel. 2,297,648; Sept. 29.
Dain Manufacturing Company of Iowa. (See McClellan, Marcus E., assignor.)
Dake, Merrills L., assignor to Cooperative Grange League Federation Exchange, Inc., Ithaca, N. Y. Spreader. 2,296,909; Sept. 29.
D'Alello, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Synthetic rubberlike compositions. 2,297,290; Sept. 29.
Dällenbach, Walter, Berlin-Charlottenburg, H. Collenbusch, Berlin-Lankwitz, and W. Püpp, Berlin, Germany; vested in the Alien Property Custodian. Transmission and/or the reception of electromagnetic waves. 2,297,202; Sept. 29.
Dällenbach, Walter, Berlin, Germany; vested in the Alien Property Custodian. Arrangement for the background noiseless production of sound films. 2,297,392; Sept. 29.
Dalzel, Clarence W. (See Heyer, B. F. W., and Dalzell.)
Danielson, Alton T., North St. Paul, Minn. Grappling or pulling tool. 2,297,291; Sept. 29.
Davies & Metcalfe Limited. (See Metcalfe, Richard D. and J. C., assignors.)
Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Humidity control for pressing machines. 2,296,910; Sept. 29.
Davis, Garland H. B., Elizabeth, and C. C. Swoope, Roselle Park, N. J., assignors, by mesne assignments, to Standard Catalytic Company. Producing pour inhibitors for wax containing oils. 2,297,292; Sept. 29.
Davis, Issac P., Swarthmore, Pa., and C. Schlatter, Hilltop Manor, assignors to American Viscose Corporation, Wilmington, Del. Treated textile material. 2,297,135; Sept. 29.
Davis, Ward B. (See Hammerstrom, H. H., and Davis.)
Dawe, Albert J. (See Wilms, G. O., and Dawe.)
Day, Roger O., and H. W. Cowin, Westfield, N. J., assignors to The Linde Air Products Company. Flame hardening apparatus. 2,297,293; Sept. 29.
Dean, Milo M., New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa. Window and car construction. 2,297,051; Sept. 29.
De Bell, John M., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Nitroglycerine resistant plastic container. 2,296,911; Sept. 29.
Decher, Siegfried. (See Neugebauer, F., Franz, Decher, and Meissner.)
Decker, Gustav, Berlin, Germany; vested in the Alien Property Custodian. Controlling the operation of vapor generators. 2,297,203; Sept. 29.
Deere & Company. (See Paradise, L. A., and Anderson, assignors.)
Deere & Company. (See White, Charles H., assignor.)
De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Island City, N. Y. Apparatus for transmitting rotary motion. 2,297,610; Sept. 29.
Deissner, Wilhelm, Berlin-Lichterfelde, Germany; vested in the Alien Property Custodian. Manufacture of slidable rubber. 2,297,204; Sept. 29.
Denues, Arthur R. T., Severna Park, Md., assignor to the Government of the United States of America as represented by the Secretary of the Interior. Liquid oxygen explosive. 2,297,538; Sept. 29.
Derleth, Clark F., assignor to Kusel Dairy Equipment Co., Watertown, Wis. Heat treating of milk products. 2,297,348; Sept. 29.
Deserno, Peter, and M. Messner, Berlin, Germany; vested in the Alien Property Custodian. Television receiver. 2,297,205; Sept. 29.
Deserno, Peter, Berlin-Tempelhof, Germany; vested in the Alien Property Custodian. Band transmission testing circuit. 2,297,393; Sept. 29.
Detering, Howard T., Klaber, Wash. Climbing spur. 2,297,136; Sept. 29.
Dettle, Lawrence E. (See Triman, E. L., and Dettle.)
Diamond, Grant S., Hamburg, assignor to Electro Refractories & Alloys Corporation, Buffalo, N. Y. Porous ceramic articles and making the same. 2,297,539; Sept. 29.
Dicalite Company, The. (See Harrison, Milo A., assignor.)
Dichter, Jakob, Berlin-Schoneberg, Germany; vested in the Alien Property Custodian. Apparatus for producing artificial materials. 2,297,459; Sept. 29.
Dietrich, Friedrich R., Munich, Germany; vested in the Alien Property Custodian. Piston for combustion power engines. 2,297,460; Sept. 29.
Dietrich, Otto, Friedrichshafen, Bodensee, Germany; vested in the Alien Property Custodian. Instrument for measuring elongation. 2,297,394; Sept. 29.
Dillenburger, Wolfgang, Berlin-Nikolassee, Germany; vested in the Alien Property Custodian. Television transmission system. 2,297,461; Sept. 29.
Distillers Company Limited, The. (See Stanley, H. M., and Minkoff, assignors.)
Ditto, Marvin W., and W. P. Torrington, assignors to Emulsions Process Corporation, New York, N. Y. Process for the treatment of rubber or the like. 2,296,826; Sept. 29.
Domm, Elgin C., Niles, Mich., asssignor to National-Standard Company. Rubber adherent metal. 2,296,838; Sept. 29.
Donagemma, Giuseppe, Milan, Italy; vested in the Alien Property Custodian. Nitrogenous textile fiber. 2,297,206; Sept. 29.
Donaldson, John S., St. Albans, assignor to Donaldson Piston Corporation, New York, N. Y. Piston. 2,297,649; Sept. 29.
Donaldson Piston Corporation. (See Donaldson, John S., assignor.)
Doran, Wilbur J. (See Shonle, H. A., and Doran.)
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electrical switching device. 2,297,349; Sept. 29.
Dow Chemical Company, The. (See Barry, Arthur J., assignor.)
Dow Chemical Company, The. (See Smith, Cornelius P., assignor.)
Draving, Arthur M., Feasterville, assignor to Hugh H. Eby, Inc., Philadelphia, Pa. Duplex plug-in socket device. 2,296,839; Sept. 29.

Dressler, Max, Berlin-Haselhorst, Germany; vested in the Alien Property Custodian. Type wheel for telegraph apparatus. 2,297,462; Sept. 29.
Driscoll, Edward A., Jamaica, N. Y. Prevention of ice formation. 2,297,540; Sept. 29.
Drummond, Robert S., assignor to National Broach & Machine Company, Detroit, Mich. Cutter. 2,297,611; Sept. 29.
Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Printing device. 2,297,541; Sept. 29.
Duisberg, Walther H. (See Fink, H., and Plepp, assignors.)
Duke, James B. (See Tartaron, F. X., Cole, and Duke.)
Duncan, Robert A. (See Shipman, C. W., and Duncan.)
Du Pont, E. I., de Nemours, & Company. (See Coes, Loring, Jr., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hitch, Emmet F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Pitman, Earle C., assignor.)
Durham, Corbin W., Fullerton, Md. Center gauge. 2,297,542; Sept. 29.
E. M. B. Company Limited. (See Catlin, L. A., and Cockerill, assignors.)
Eagle-Picher Lead Company, The. (See Turbett, F. L., and Vahrenkamp, assignors.)
Eastman, Lewis A. (See Elwood, Harland D., assignor.)
Eastwood-Nealley Corporation. (See Webb, Nelson W., assignor.)
Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure mechanism. 2,296,986; Sept. 29.
Eberhardt, Rolf, G. Nüsslein, and H. Rupp, Berlin, Germany; vested in the Alien Property Custodian. Device for amplifying direct voltage or current. 2,297,543; Sept. 29.
Eby, Hugh H., Inc. (See Draving, Arthur M., assignor.)
Edwards, Charles S. (See Reese, H. D., and Edwards.)
Ehlert, Paul, R. Pehrisch, and E. Clasen, Berlin, Germany; vested in the Alien Property Custodian. Radio frequency switch. 2,297,207; Sept. 29.
Eirich, Gustav. (See Eirich, Joseph and G.)
Eirich, Joseph and G., Hardheim, Nordbaden, Germany; vested in the Alien Property Custodian. Device for emptying mixers. 2,297,463; Sept. 29.
Electric & Musical Industries Limited. (See Faudell, Charles L., assignor.)
Electro Metallurgical Company. (See Lytle, Arthur R., assignor.)
Electro Refractories & Alloys Corporation. (See Diamond, Grant S., assignor.)
Elwood, Harland D., Detroit, assignor of one-half to L. A. Eastman, Wyandotte, Mich. Fire escape. 2,297,544; Sept. 29.
Ely, Albert R., assignor to Hercules Powder Company, Wilmington, Del. Carton for packaging and carrying blasting caps and the like. 2,297,100; Sept. 29.
Emmons, Paul C., West Lafayette, Ind. Controllable pitch propeller. 2,296,987; Sept. 29.
Emulsions Process Corporation. (See Ditto, M. W., and Torrington, assignors.)
Endter, Waldemar A., Long Beach, Calif. Hook type rotary latch. 2,296,988; Sept. 29.
Engelmann, Anton. (See Hintze, R., and Engelmann.)
Engert, Eugen. (See Müller-Keuth, W., and Engert.)
Erben, Dietrich, Berlin, Germany; vested in the Alien Property Custodian. Radio direction finding system. 2,297,395; Sept. 29.
Erickson, Norman R., Mankato, Minn. Apparatus for forming "cloverleaf" rolls. 2,296,912; Sept. 29.
Ex-Cell-O Corporation. (See Brinkmann, Guenther, assignor.)
Fablan, Constantine F., Brookfield, and J. B. Lee, assignors to Lee Bros. Hats, Inc., Danbury, Conn. Composition for waterproofing permeable material. 2,297,183; Sept. 29.
Fagan, John C., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Flatiron support mechanism. 2,296,913; Sept. 29.
Fallon, Edward B. (See Matter, Albert J., assignor.)
Falischeer, Fritz, Reutlingen, Germany; vested in the Alien Property Custodian. Bobbin or sleeve. 2,297,208; Sept. 29.
Fanning, Fred H., assignor to Blaw-Knox Company, Pittsburgh, Pa. Sheet handling apparatus for rolling mills. 2,297,184; Sept. 29.
Farina, Giovanni, Turin, Italy; vested in the Alien Property Custodian. High pressure hydraulic piston packing. 2,297,396; Sept. 29.
Farrington Manufacturing Company. (See Dugdale, Richard M., assignor.)
Faudell, Charles L., Stoke Poges, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Television and like system. 2,297,612; Sept. 29.
Faust, Alexander J., Grosse Pointe, Mich. Finishing process. 2,296,840; Sept. 29.
Feldbin, Jacob. Coxsackie, N. Y. Collar attachment. 2,297,545; Sept. 29.
Feldmann, Wilhelm. (See Hahn, C., and Feldmann.)
Fennema, Richard, assignor to Crane Co., Chicago, Ill. Handwheel and yoke sleeve combination. 2,297,137; Sept. 29.
Ferrando, Francesco, and G., Menlo Park, Calif. Sprinkler head. 2,297,052; Sept. 29.
Ferrando, Giuseppe. (See Ferrando, Francesco and G.)
Ferretti, Antonio, Milan, Italy; vested in the Alien Property Custodian. Insolubilizing protein fibers during their manufacture. 2,297,397; Sept. 29.
Ferri, Henry J., Port Richmond, Staten Island, assignor to The Lionel Corporation, New York, N. Y. Toy log loading device. 2,297,138; Sept. 29.
Field, Theodore E., assignor to Corhart Refractories Company, Louisville, Ky. Refractory casting. 2,297,546; Sept. 29.
Fink, Heinrich, Rottweil-on-the-Neckar, and G. Plepp, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y. Producing viscose rayon. 2,297,613; Sept. 29.
Fisher, Alec, Lynn, Mass., assignor to General Electric Company. Dynamoelectric apparatus. 2,297,350; Sept. 29.
Flachbarth, Charles, Philadelphia, assignor to Hervey S. Walker, Ardmore, Pa. Fitting. 2,297,139; Sept. 29.
Fleischmann, Kurt, Mannheim, Germany; vested in the Alien Property Custodian. Carbon collector and commutator for electric machines and apparatus. 2,297,464; Sept. 29.
Flintjer, Walter J., Cheyenne, Wyo. Beet harvesting machine. 2,297,294; Sept. 29.
Flintjer, Walter J., Cheyenne, Wyo. Yieldable connections for cooperation conveyer units. 2,297,295; Sept. 29.
Flintjer, Walter J., Cheyenne, Wyo. Conveyer. 2,297,296; Sept. 29.
Florio, Sollie, Chicago, Ill. Speedometer controlled speed governor. 2,297,053; Sept. 29.
Floyd, Eugene P. (See Cobb, J. C., and Floyd.)
Food Machinery Corporation. (See Bone, Robert S., assignor.)
Forsyth, Harry, Prosser, Wash. Change box. 2,296,989; Sept. 29.
Fortin, David, Lac Ste.-Croix, Quebec, Canada. Current generating device for vehicles. 2,296,914; Sept. 29.
Fossum, Henry O., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Chuck. 2,297,140; Sept. 29.
Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Resonant circuit. 2,296,915; Sept. 29.
Foster, Dudley E., South Orange, N. J., and J. A. Rankin, Port Washington, N. Y., assignors to Radio Corporation of America. Television power supply. 2,297,547; Sept. 29.
Fowler, Bert F., South Bend, Ind. Backing shoe for surface finishing apparatus. 2,296,990; Sept. 29.
Fox, Alexander P., University City, and R. F. Schneller, St. Louis, assignors to Lincoln Engineering Company, St. Louis, Mo. Coupler. 2,297,548; Sept. 29.
Fox, Charles A., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,296,991; Sept. 29.
Franz, Anselm. (See Neugebauer, F., Franz, Decher, and Meissner.)
Freeman, Lowell C., assignor to The Murray Corporation of America, Detroit, Mich. Vehicle body. 2,297,298; Sept. 29.
Friedlaender, William V., Chicago, Ill., assignor to Universal Atlas Cement Company. Applying cement coating. 2,297,549; Sept. 29.
Friedrich, Albert, Stuttgart-Bad-Cannstatt, Germany; vested in the Alien Property Custodian. Driving mechanism for air propellers. 2,297,400; Sept. 29.
Fries, Gustav, Gerlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Receiving and reproducing fast oscillations. 2,297,398; Sept. 29.
Froehlich, Hans J. (See Strzyzewski, A., and Froehlich.)
Froehlich, Karl, Stuttgart, Germany; vested in the Alien Property Custodian. Spring suspension for road vehicles. 2,297,465; Sept. 29.
Fruit Treating Corporation. (See Willard, Charles A., assignor.)
Fry, Walter C., and B. F. Hartman, Augusta, Kans., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treating oils. 2,297,650; Sept. 29.
Fuchs, Walter M., State College, Pa. Dishwashing and drying apparatus. 2,297,614; Sept. 29.
Funk, Russell A., Pleasant Ridge, Mich. Socket assembly. 2,297,615; Sept. 29.
Funk, Russell A., Pleasant Ridge, Mich. Socket assembly. 2,297,616; Sept. 29.
Funke, Walter, Berlin, B. Kalz, Dabendorf, and H. Johannson, Berlin, Germany; vested in the Alien Property Custodian. Frame aerial. 2,297,466; Sept. 29.
Fuscaldo, Ottavio, Milan, Italy; vested in the Alien Property Custodian. Internal combustion engine fuel injector. 2,297,399; Sept. 29.
G-H Specialty Company. (See Meyer, J. J., and Jones, assignors.)
Gabler, Ernst, and E. Rall, Stuttgart, Germany; vested in the Alien Property Custodian. Photographic camera. 2,297,401; Sept. 29.
Gálocsy, Zsigmond. (See Koller, K., and Gálocsy.)
Gamburg, Nathan, Shreveport, La. Combined wild grass root and grass extracting tool and hoe. 2,296,916; Sept. 29.
Garber, Everett H., Pampa, Tex. Electric switch. 2,297,402; Sept. 29.
Garbisch, Norbert S. (See McGregor, Rob R., assignor.)

Gardner, Daniel, New York, N. Y. Process for beneficiation of manganese ores. 2,296,841; Sept. 29.
Garlinghouse Brothers. (See Beall, David A., assignor.)
Garrard Engineering & Manufacturing Company, The. (See Offen, Francis J., assignor.)
Garrett, Emil. (See Garrett, G. A., and Emil.)
Garrett, Gerva A. and E., Pacific Beach, Calif. Water temperature regulating device. 2,296,917; Sept. 29.
Garrison, Charles K., assignor to Chicago Steel Foundry Company, Chicago, Ill. Flexible tray. 2,297,054; Sept. 29.
Garvey, Arthur. (See Garvey, James A. and H. M.)
Garvey, Horace M. (See Garvey, James A. and H. M.)
Garvey, James A., and H. M., Vancouver, British Columbia, Canada. Method of and apparatus for inserting indicia in soap. 2,296,842; Sept. 29.
Gary, Wright W., Manhasset, assignor to The M. W. Kellogg Company, New York, N. Y. Separating hydrocarbon fluids. 2,296,992; Sept. 29.
Gáspár, Béla, Hollywood, Calif., assignor to Chromogen, Incorporated. Dyed substance. 2,296,843; Sept. 29.
Gastro-Photor Laboratories. (See Back, Franz G., assignor.)
Gattoni, John, Union City, assignor to Seederer-Kohlbusch, Inc., Jersey City, N. J. Precision balance. 2,297,141; Sept. 29.
Gaylord Container Corporation. (See Blackman, Smith A., assignor.)
Gear Grinding Machine Company, The. (See Greve, William G., assignor.)
Gebert, Leopold. (See Martin, H., and Gebert.)
Geduhn, Walter, Berlin-Steglitz, and L. Petry, Berlin, Germany; vested in the Alien Property Custodian. Polishing apparatus. 2,297,209; Sept. 29.
General Chemical Company. (See Lauber, Urban S., assignor.)
General Electric Company. (See Bowen, Arthur, assignor.)
General Electric Company. (See Britten, L. F., Jenkins, and McKeag, assignors.)
General Electric Company. (See Camilli, Guglielmo, assignor.)
General Electric Company. (See D'Alelio, Gaetano F., assignor.)
General Electric Company. (See Fisher, Alec, assignor.)
General Electric Company. (See Goldberg, Leon J., assignor.)
General Electric Company. (See Kelley, Floyd C., assignor.)
General Electric Company. (See Kerst, Donald W., assignor.)
General Electric Company. (See McKeag, A. H., and Ranby, assignors.)
General Electric Company. (See Nixdorff, Samuel R., assignor.)
General Electric Company. (See Rippl, F. J., and Isaac, assignors.)
General Electric Company. (See Scheldorf, Marvel W., assignor.)
General Electric Company. (See Woodworth, John L., assignor.)
General Motors Corporation. (See Cooper, C. K., and Jones, assignors.)
General Motors Corporation. (See Janoskovits, J., and Chilton, assignors.)
General Motors Corporation. (See Nichols, C. A., and Weiser, assignors.)
General Motors Corporation. (See Rowlands, Arthur E., assignor.)
Gente, Ernst, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian. Gas turbine. 2,297,210; Sept. 29.
Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Conjoint polymerization of dicarboxylic acids and olefinic compounds. 2,297,351; Sept. 29.
Gerlach, Erwin, Berlin, Germany; vested in the Alien Property Custodian. Condenser microphone. 2,297,211; Sept. 29.
German, Henry V., Howgate, Bembridge, Isle of Wight, assignor to Hordern-Richmond Aircraft, Limited, Chesam, England. Socket and its attachment to the root ends of airscrew blades, spars, struts, or the like. 2,297,142; Sept. 29.
Gerry, William R., assignor to Shakespeare Products Company, Kalamazoo, Mich. Control disconnect. 2,296,993; Sept. 29.
Giaimo, Charles V., Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Truck for toy railroad cars. 2,297,143; Sept. 29.
Gibson, Albert, assignor to British Ropes Limited, Doncaster, England. Apparatus for examining ropes. 2,296,918; Sept. 29.
Gillespie, Charles P. (See Barker, E. L., and Gillespie.)
Gistucci, Paul X. A., Paris, France, assignor to Societe Generale Des Carburateurs Zenith, Geneva, Switzerland. Carburetor. 2,297,550; Sept. 29.
Glässing, Karl, and F. Allendorff, Stuttgart, Germany; vested in the Alien Property Custodian. Contact system. 2,297,403; Sept. 29.
Glasson, Cecil W., assignor to Parker Rust Proof Company, Detroit, Mich. Friction part and treating. 2,296,844; Sept. 29.
Gleason Works. (See Bauer, Oliver F., assignor.)
Glombitza, Helmut. (See Hintze, R., and Glombitza.)
Gobrecht, Heinrich, Berlin, Germany; vested in the Alien Property Custodian. Grid controlled amplifying tube. 2,297,404; Sept. 29.
Gockel, Heinrich, Hohen Neuendorf, near Berlin, Germany; vested in the Alien Property Custodian. Stable vitamin C and preparing the same. 2,297,212; Sept. 29.
Goetz, Maurus T., assignor to Teletype Corporation, Chicago, Ill. Telegraph transmitting system. 2,296,845; Sept. 29.
Goff, Harold W., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone calling dial. 2,296,846; Sept. 29.
Goldberg, Leon J., Schenectady, N. Y., assignor to General Electric Company. Contactor. 2,297,352; Sept. 29.
Goldmann, Joachim, Berlin, Germany; vested in the Alien Property Custodian. Radio transmitter for obtaining course lines. 2,297,405; Sept. 29.
Goldsby, Arthur R., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Conversion of hydrocarbon oils. 2,297,617; Sept. 29.
Goldstine, Hallan E., Rocky Point, N. Y., assignor to Radio Corporation of America. Direct-current insertion. 2,296,919; Sept. 29.
Goodale, E. Dudley, Bayside, N. Y., assignor to Radio Corporation of America. Signal transmission circuit. 2,296,920; Sept. 29.
Goodrich, B. F., Company, The. (See L'Hollier, Leslie H., assignor.)
Goodrich, B. F., Company, The. (See Paddock, George A., assignor.)
Goodrich, B. F., Company, The. (See Williams, Richard H., assignor.)
Görlich, Paul, Dresden, Germany; vested in the Alien Property Custodian. Photoelectric cathode. 2,297,467; Sept. 29.
Goss, Oliver P. M. and W. C., Seattle, Wash. Lumber. 2,297,353; Sept. 29.
Goss, Worth C. (See Goss, Oliver P. M. and W. C.)
Gosslau, Fritz, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Aircraft motor gearing. 2,297,214; Sept. 29.
Gosslau, Fritz, Berlin-Charlottenburg, J. Schmidt, Berlin-Eichkamp, and W. Zarnack, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Change forming device. 2,297,213; Sept. 29.
Gould, James, Jr., assignor to The Miller Company, Meriden, Conn. Portable lamp. 2,297,144; Sept. 29.
Government of the United States of America, as represented by the Secretary of the Interior. (See Denues, Arthur R. T., assignor.)
Government of the United States of America, as represented by the Secretary of the Interior. (See Schroeder, W. C., and Berk, assignors.)
Grad, Adolf R., Wauwatosa, assignor to The Oilgear Company, Milwaukee, Wis. Twisting machine. 2,297,055; Sept. 29.
Graham, William S., and F. E. Hand, Canton, Ill., assignors to International Harvester Company. Multiple-row planting attachment for tractors. 2,297,299; Sept. 29.
Grand Rapids Store Equipment Company. (See Vanderveld, Anthony, assignor.)
Grant, Willis C., assignor of one-half to A. Marrison, Ashtabula, Ohio. Cleaning device. 2,296,994; Sept. 29.
Gräntzel, Alfred, Jena, Germany; vested in the Alien Property Custodian. Glow path regulator. 2,297,406; Sept. 29.
Graupner, Paul L., Dresden-Radebeul, Germany; vested in the Alien Property Custodian. Sharpening device for the rotating sickle knife of cigarette rod machines. 2,297,468; Sept. 29.
Green, Alfred L., Sydney, New South Wales, assignor to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Reflex audio amplifier control. 2,296,921; Sept. 29.
Greene, Joseph F. (See Houck, R. H., Greene, and Behrend.)
Greenwell, Nevil, Bethlehem, and C. Schenck, Coopersburg, Pa., assignors to Bethlehem Steel Company. Building structure. 2,297,101; Sept. 29.
Greve, William G., Detroit, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Machine for cutting arcuate internal grooves in hollow members. 2,297,551; Sept. 29.
Grimes, David, Beverly, N. J., and E. O. Thompson, Grasmere, Staten Island, N. Y., assignors, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Remote control system. 2,297,618; Sept. 29.
Griswold, Stanley M., Newton, and R. K. Nash, Brookline, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating on insoles. 2,296,847; Sept. 29.
Groat, John H., and L. L. Adcox, Portland, Oreg.; said Groat assignor to said Adcox. Memo pad index and hinge therefor. 2,297,145; Sept. 29.
Groetschel, Karl M., Bochum, Germany; vested in the Alien Property Custodian. Clamping member for two-part iron mine stanchions. 2,297,469; Sept. 29.

Gross, Charles J., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Strip brush. 2,296,922; Sept. 29.

Gueffroy, Walter A., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Container. 2,296,848; Sept. 29.

Guild, Virginia V. (See Brown, Jennie P., and Guild.)

Guirl, Howard P., East Chicago, Ind., assignor to The Superheater Company, New York, N. Y. Unitary tube supporting band. 2,297,146; Sept. 29.

Gulf Research & Development Company. (See Stevens, D. R., and Livingstone, assignors.)

Gunnison, Hugh, Altadena, Calif. Building structure and wall. 2,297,056; Sept. 29.

Günther, Johannes, Berlin-Zehlendorf, Germany; vested in the Alien Property Custodian. Magnetic deflecting systems for cathode ray tubes. 2,297,407; Sept. 29.

Gutzmann, Fritz. (See Schulze-Herringen, E., and Gutzmann.)

Gutzmann, Fritz, Schoeneiche, near Berlin, and E. Schulze-Herringen, Berlin, Germany; vested in the Alien Property Custodian. Cable terminal. 2,297,471; Sept. 29.

Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Motor coupling. 2,297,619; Sept. 29.

Hagen, Wolfgang, Berlin, Germany; vested in the Alien Property Custodian. Electric filter device. 2,297,215; Sept. 29.

Hahn, Carl, Berlin-Siemensstadt, and W. Feldmann, Berlin-Staaken, Germany; vested in the Alien Property Custodian. Phase connection for mechanical rectifiers. 2,297,472; Sept. 29.

Hahnemann, Walter M., Berlin, Germany; vested in the Alien Property Custodian. Test circuit arrangement. 2,297,216; Sept. 29.

Hall China Company, The. (See Thompson, Joseph R., assignor.)

Hamilton Tool Company, The. (See Schlichter, Frederick W., assignor.)

Hammerstrom, Henry H., Los Angeles, and W. B. Davis, Rosemead, Calif., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America and to his successors in office. Cabinet for the quick sprouting of soybeans for food. 2,296,849; Sept. 29.

Hand, Frederick E. (See Graham, W. S., and Hand.)

Hansen, Einer F., Detroit, Mich. Arch support. 2,297,552; Sept. 29.

Hansen, Marius H., assignor to Hanson Scale Company, Chicago, Ill. Scale. 2,296,923; Sept. 29.

Hanson Scale Company. (See Hansen, Marius H., assignor.)

Harcus, Wilmore C., Van Nuys, assignor to Technicolor Motion Picture Corporation, Los Angeles (Hollywood), Calif. Composite color photograph. 2,297,553; Sept. 29.

Hardebeck, Carl, Aachen, Germany; vested in the Alien Property Custodian. Fluid meter. 2,297,408; Sept. 29.

Hardesty, John O., Arlington, Va., and William H. Ross, Washington, D. C., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office. Granulation of crystalline materials. 2,297,300; Sept. 29.

Hardy, Charles and Raymond L. Patterson, Pelham Manor, assignors to Hardy Metallurgical Company, New York, N. Y. Welding. 2,297,554; Sept. 29.

Hardy Metallurgical Company. (See Hardy, C., and Patterson, assignors.)

Harrison, Milo A., Hermosa Beach, assignor to The Dicalite Company, Los Angeles, Calif. Acidified diatomaceous earth filter-aid. 2,296,850; Sept. 29.

Hartman, Benjamin F. (See Fry, W. C., and Hartman.)

Hartner-Seberich, Richard, Gaggenau, Baden, Germany; vested in the Alien Property Custodian. Fuel control for combustion engines. 2,297,217; Sept. 29.

Hartwig, Carl E., Teaneck N. J., and B. N. Lougovoy, Jackson Heights, assignors to American Chicle Company, Long Island City, N. Y. Chewing gum base. 2,297,651; Sept. 29.

Hasenburger, Henry, Newark, N. J., and H. W. Corbett, assignors to Prebilt Housing Corporation, New York, N. Y. Preformed floor construction for buildings. 2,297,057; Sept. 29.

Hasenburger, Henry, Newark, N. J., and H. W. Corbett, assignors to PHC Housing Corporation, New York, N. Y. Building framework. 2,297,058; Sept. 29.

Hass, Henry B., West Lafayette, Ind., and H. C. Huffman, Long Beach, Calif., assignors to Purdue Research Foundation, West Lafayette, Ind. Synthesis of carbon-halogenated alkyl amines. 2,297,147; Sept. 29.

Hastings Manufacturing Company. (See Johnson, Aben E., assignor.)

Hastings Manufacturing Company. (See Phillips, Harold P., assignor.)

Haug, Jakob. (See Wendt, F., Haug, Kohlbecker, and Seppeler.)

Haupt, E. H. (See Ingram, Bernard J., assignor.)

Hautsch, Hans. (See Möbius, W., Hautsch, and Ulbrich.)

Hautsch, Hans. (See Roloff, J., and Hautsch.)

Hawkinson, Paul E., Minneapolis, Minn. Treading tire casings. 2,297,354; Sept. 29.

Hazel-Atlas Glass Company. (See Williams, John J., assignor.)

Head, Drew W., Chicago, Ill. Lock nut. 2,297,102; Sept. 29.

Heaston, John W. (See Johnson, Jack, assignor.)

Hedberg, Carl W. J., Bound Brook, assignor to Research Corporation, New York, N. Y. Electrical precipitator. 2,297,555; Sept. 29.

Hegeman, Theodore J., Aurora, Ill. Railway switch heater. 2,297,059; Sept. 29.

Heim, Gerhard, Sindelfinger, near Stuttgart, Germany; vested in the Alien Property Custodian. Welding appliance. 2,297,473; Sept. 29.

Helnecke, Erich, Berlin, Germany; vested in the Alien Property Custodian. Quartz oscillator. 2,297,409; Sept. 29.

Helnecke, Erich, Berlin, Germany; vested in the Alien Property Custodian. High frequency circuit. 2,297,410; Sept. 29.

Hempel, Emil, Zerbst, Germany; vested in the Alien Property Custodian. Squirting press for thermoplastic masses. 2,297,474; Sept. 29.

Henderson, Lawrence M., Winnetka, and A. Schroeder, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Hydrocarbon oil treating. 2,297,620; Sept. 29.

Henderson, Lawrence M., Winnetka, and G. W. Ayers, Jr., assignors to The Pure Oil Company, Chicago, Ill. Removing acidic substances from liquid hydrocarbons. 2,297,621; Sept. 29.

Henning, Wolfgang, Lubeck, Germany; vested in the Alien Property Custodian. Obtaining the meat of crustaceans. 2,297,411; Sept. 29.

Henrich, Hans E., and O. Vierling, Berlin, Germany; vested in the Alien Property Custodian. Loud-speaker. 2,297,218; Sept. 29.

Henry, Cashley A., Cincinnati, Ohio. Drain fixture. 2,297,060; Sept. 29.

Henry, Earle G., Chicago, Ill., assignor to Buckley Music System, Inc. Selective switch and mounting therefor. 2,297,652; Sept. 29.

Henry, John F., Staples, Minn. Road machine. 2,296,851; Sept. 29.

Hercules Powder Company. (See Ely, Albert R., assignor.)

Herman, William P., Providence, R. I. Manufacture of rubber thread. 2,297,622; Sept. 29.

Hermann, Petter M., Portland, Oreg. Adjustable base support for jacks. 2,297,556; Sept. 29.

Hess, Willis C. (See Horton, E. C., and Hess.)

Hester, William F., Drexel Hill, and W. E. Craig, assignors to Rohm & Haas Company, Philadelphia, Pa. Fungicidal derivatives of acetanthranilic acid. 2,297,557; Sept. 29.

Heyer, Benjamin F. W., Tenafly, and C. W. Dalzell, Bloomfield, N. J., assignors to Knickerbocker Development Corporation. Battery charger. 2,296,924; Sept. 29.

Hickman, Harry B., Shreveport, La. Slide lock for fish stringer. 2,297,623; Sept. 29.

Hill-Clarke Machinery Co. (See Wigglesworth, Albert W., assignor.)

Hines, Claude M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,297,148; Sept. 29.

Hintze, Rudolf, Berlin-Charlottenburg, and P. Pfaff, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian. Evaporator for refrigerating apparatus of the compression type. 2,297,219; Sept. 29.

Hintze, Rudolf, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Motor-compressor unit for refrigerating. 2,297,220; Sept. 29.

Hintze, Rudolf, Berlin-Charlottenburg, and A. Engelmann, Berlin-Tegel, Germany; vested in the Alien Property Custodian. Refrigerator. 2,297,475; Sept. 29.

Hintze, Rudolf, Berlin-Charlottenburg, and H. Glombitza, Berlin-Spandau, Germany; vested in the Alien Property Custodian. Ice tray. 2,297,558; Sept. 29.

Hipple, James L., Canton, Ill., assignor to International Harvester Company. Tractor-attached implement. 2,297,301; Sept. 29.

Hitch, Emmet F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Black trisazo dye. 2,296,925; Sept. 29.

Hitchcock, Harold W., Apponaug, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 2,296,926; Sept. 29.

Hober, Oric S. (See Carmichael, Asa B., assignor.)

Hoess, Frank L., Hammond, Ind. Shear. 2,297,559; Sept. 29.

Hoffman, Allan C. (See Tompkins, E. H., and Hoffman.)

Hollander, Aladar, and V. A. Hoover, Los Angeles, assignors to Byron Jackson Co., Huntington Park, Calif. Pumping apparatus. 2,297,185; Sept. 29.

Holm, Eddie M., Moorhead, Minn. Electrically heated tool. 2,297,103; Sept. 29.

Holsten, Karl-Georg, Berlin, Germany; vested in the Alien Property Custodian. Gonlometer. 2,297,476; Sept. 29.

Hoover Company, The. (See Acheson, Louis K., assignor.)

Hoover Company, The. (See Beach, Justice H., assignor.)

Hoover Company, The. (See Berg, Quentin, assignor.)

Hoover Company, The. (See Brace, George A., assignor.)

Hoover Company, The. (See Kitto, W. H., and Siedle, assignors.)

Hoover Company, The. (See Pierce, Frank L., assignor.)

Hoover Company, The. (See Siedle, Arnold D., assignor.)

Hoover Company, The. (See Smellie, Donald G., assignor.)

Hoover, Vaino A. (See Hollander, A., and Hoover.)

Hopff, Heinrich. (See Wiest, G., and Hopff.)

Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Apparatus for producing metal bodies. 2,297,560; Sept. 29.

Hoppe, Fritz, Kopenick-Wendenschloss, near Berlin, Germany; vested in the Alien Property Custodian. Apparatus for indicating the approach to the stalled condition of airplanes. 2,297,412; Sept. 29.

Hordern-Richmond Aircraft, Limited. (See German, Henry V., assignor.)

Horner, William L., assignor to Core Laboratories, Inc., Dallas, Tex. Earth exploration. 2,296,852; Sept. 29.

Hornsby, Grover J. (See Staats, Byron H., assignor.)

Hornschuch, Hanns, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Sealing device. 2,297,302; Sept. 29.

Horstman, John H., assignor to The Huffman Manufacturing Company, Dayton, Ohio. Bicycle stand. 2,297,624; Sept. 29.

Horton, Erwin C., Hamburg, and W. C. Hess, assignors to Trico Products Corporation, Buffalo, N. Y. Fuel pump. 2,297,653; Sept. 29.

Houck, Robert H., J. F. Greene, and O. Behrend, assignors to Kimble Glass Company, Vineland, N. J. Glass cutting machine. 2,297,149; Sept. 29.

Hoyer, John Z., Conshohocken, Pa., assignor to Kimble Glass Company, Vineland, N. J. Hydrometer. 2,297,186; Sept. 29.

Hubbard and Company. (See Johnson, Kenneth L., assignor.)

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Guy rod grounding clamp. 2,296,927; Sept. 29.

Huffman, Hal C. (See Hass, H. B., and Huffman.)

Huffman Manufacturing Company, The. (See Horstman, John H., assignor.)

Hughes, George J., Pendleton, Ind. Pressure fluid engine control. 2,297,355; Sept. 29.

Huhn, Felix A., and C. Kreemke, Berlin, Germany; vested in the Alien Property Custodian. Fluid seal. 2,297,477; Sept. 29.

Humfeld-Hodgen Prod. Co. (See Humfeld, Lawrence W., assignor.)

Humfeld, Lawrence W., assignor to Humfeld-Hodgen Prod. Co., Frankfort, Ind. Carbon resistance tool. 2,297,303; Sept. 29.

Hunter, Robert H., Cleveland, Ohio. Tent. 2,297,150; Sept. 29.

Hurley, Roy T. (See Briechle, A., Hurley, and Merritt.)

Huttenlocher, Richard, Greiz, Thuringen, Germany; vested in the Alien Property Custodian. Ethers of hydroxyalkyl amine bases, their salts, and quaternary ammonium compounds. 2,297,221; Sept. 29.

Ifield, Richard J., Elmdon, Heath, Solihull, assignor to Joseph Lucas Limited, Birmingham, England. Variable speed mechanism. 2,296,929; Sept. 29.

Ihler, Donald F., Spokane, Wash. Incubator. 2,296,930; Sept. 29.

Imperial Chemical Industries Limited. (See Kirkbride, Frederick W., assignor.)

Ingersoll-Rand Company. (See Hornschuch, Hanns, assignor.)

Ingram, Bernard J., Bellevue, assignor of one-half to E. H. Haupt, Bethel Township, Pa. Steam heating system. 2,296,995; Sept. 29.

International Harvester Company. (See Benjamin, Bert R., assignor.)

International Harvester Company. (See Graham, W. S., and Hand, assignors.)

International Harvester Company. (See Hipple, James L., assignor.)

International Smelting & Refining Co. (See Noddings, William C., assignor.)

Isaac, Elmer B. (See Rippl, F. J., and Isaac.)

Jabs, Edward, Cleveland, Ohio. Clothesline fastener. 2,297,151; Sept. 29.

Jack & Heintz, Inc. (See Tabb, W. E., and Paul, assignors.)

Jacke, William L., San Jose, Calif., assignor to Philco Corporation. Automatic radio tuning control. 2,297,152; Sept. 29.

Jacoby, Hans. (See Bendel, H., Krambeer, and Jacoby.)

Jahn, Willy, Hanover, and W. Lüder, Hanover-Linden, Germany, vested in the Alien Property Custodian. Tubing. 2,297,413; Sept. 29.

Janoskovits, John, Detroit, and W. D. Chilton, Royal Oak, assignors to General Motors Corporation, Detroit, Mich. Machine for applying cement to flexible strips. 2,297,561; Sept. 29.

Janovsky, Franz, Berlin, Germany; vested in the Alien Property Custodian. Direction finding system. 2,297,414; Sept. 29.

Jansson, Victor L., Thornbury, Victoria, Australia. Wrap stripe device for circular knitting machines. 2,297,304; Sept. 29.

Jenkins, Henry G. (See Britten, L. F., Jenkins, and McKeag.)

Joa, Curt G., assignor to Curt G. Joa, Inc., Sheboygan Falls, Wis. Manufacture of sanitary napkins and the like. 2,296,931; Sept. 29.

Joa, Curt G., Inc. (See Joa, Curt G., assignor.)

Johannsen, Emil L., Dubuque, Iowa. Clothesline fastener. 2,296,932; Sept. 29.

Johannson, Helmut, et al. (See Funke, W., Kalz, and Johannson.)

Johnson, Aben E., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,297,104; Sept. 29.

Johnson, Carl A. (See Clark, R. W., and Johnson.)

Johnson, Ernest W., Birmingham, assignor of one-half to Vandervell Products Limited, London, England. Shock absorber. 2,297,562; Sept. 29.

Johnson, Franklin E., assignor to Norton Company, Worcester, Mass. Crankshaft grinding machine. 2,297,654; Sept. 29.

Johnson, Jack, Long Beach, Calif., assignor to John W. Heaston. Whipstock. 2,297,415; Sept. 29.

Johnson, John, San Francisco, Calif. Scenic well. 2,297,153; Sept. 29.

Johnson, Kenneth L., Allison Park, Pa., assignor to Hubbard and Company. Rail joint. 2,296,853; Sept. 29.

Johnson, Manfred J., Naugatuck, Conn. Potentiometer. 2,297,187; Sept. 29.

Johnston, David R. See Billing, J., and Johnston.)

Jones, David L. (See Cooper, C. K., and Jones.)

Jones, Frank A. (See Meyer, J. H. and Jones.)

Jones, Philip, Los Angeles, Calif. Directional drift recorder. 2,296,996; Sept. 29.

Jordan, Stroud, Brooklyn, N. Y. Water-dispersable lecithin. 2,296,933; Sept. 29.

Joyce, John, Dorchester, Mass. Electric plug and socket. 2,297,188; Sept. 29.

Kaiser, Wilhelm. (See Martin, K., Mockel, and Kaiser.)

Kallmann, Hartmut I., formerly known as Hartmut Kallmann, Berlin-Charlottenburg, and E. Kuhn, Berlin, Germany; vested in the Alien Property Custodian. Examination of substances or bodies by means of neutrons and X-rays. 2,297,416; Sept. 29.

Kallmann, Hartmut I., formerly known as Hartmut Kallmann, Berlin-Charlottenburg, and E. Kuhn, Berlin, Germany; vested in the Alien Property Custodian. Device for the production of visible or photographic images with the aid of a beam of neutrons as depicting radiation. 2,297,478; Sept. 29.

Kaltenbach, Robert W., Cleveland Heights, Ohio. Material handling device. 2,297,356; Sept. 29.

Kalz, Bruno, et al. (See Funke, W., Kalz, and Johannson.)

Kämpfer, Adolf, Berlin, Germany; vested in the Alien Property Custodian. Laminated product. 2,297,417; Sept. 29.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Beverage mixer. 2,297,154; Sept. 29.

Karl, Georg, Schweinfurt-on-the-Main, Germany; vested in the Alien Property Custodian. Beam for cultivating attachments. 2,297,479; Sept. 29.

Kearney, James R., Corporation. (See Fox, Charles A., assignor.)

Kearney, James R., Corporation. (See Taliman, Oscar F., assignor.)

Kelch, James W. (See Brien, Kenneth M., assignor.)

Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Brazing high carbon steel. 2,297,357; Sept. 29.

Kellogg, M. W., Company, The. (See Gary, Wright W., assignor.)

Kellogg, M. W., Company, The. (See Hopkins, Robert K., assignor.)

Kemna, Gustav, Babelsberg, Germany; vested in the Alien Property Custodian. Film inspecting apparatus. 2,297,222; Sept. 29.

Kemp, Archie R., Westwood, N. J., assignor to Bell Telephono Laboratories, Incorporated, New York, N. Y. Dielectric material. 2,296,854; Sept. 29.

Kerst, Donald W., Scotia, N. Y., assignor to General Electric Company. Magnetic induction accelerator. 2,297,305; Sept. 29.

Kesling, Elmer G., Bloomfield, Mo. Gear shifting mechanism. 2,297,563; Sept. 29.

Keszler, Ernst. (See Szegö, I., Keszler, Kolozs, and Turczay.)

Kimble Glass Company. (See Houck, R. H., Greene, and Behrend, assignors.)

Kimble Glass Company. (See Hoyer, John Z., assignor.)

Kingston Products Corporation. (See Douglas, Harry A., assignor.)

Kirkbride, Frederick W., Runcorn, England, assignor to Imperial Chemical Industries Limited. Manufacture of chlorinated aliphatic hydrocarbons. 2,297,564; Sept. 29.

Kirkman, Peter J., Ottawa, Ill., and C. B. Schafer, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Edging machine. 2,296,934; Sept. 29.

Kitto, William H., and A. D. Siedle, assignors to The Hoover Company, North Canton, Ohio. Refrigeration. 2,296,855; Sept. 29.

Kleineberg, Gustav. (See Berek, M., Zimmermann, and Kleineberg.)

Kleinschmit, Oskar, Leipzig-Plagwitz, Germany; vested in the Alien Property Custodian. Uniting sheet metal. 2,297,223; Sept. 29.

Knaus, Nicholaus, Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-controlling mechanism for overedge sewing machines. 2,297,061; Sept. 29.

Knickerbocker Development Corporation. (See Heyer, B. F. W., and Dalzell, assignors.)
Knoy, Marion F., Long Beach, Calif. Condensate disposal means. 2,296,997; Sept. 29.
Koch, Paul F., Oak Park, Ill., assignor to Chicago Die Casting Manufacturing Company. Piston. 2,297,655; Sept. 29.
Koehler, Ernest F., Berlin, Mass. Firearm. 2,296,998; Sept. 29.
Kohlbecker, Karl. (See Wendt, F., Haag, Kohlbecker and Seppeler.)
Koller, Karl, and Z. Gáloczy, Budapest, Hungary; vested in the Alien Property Custodian. Manufacture of industrial gases. 2,297,227; Sept. 29.
Köller, Richard, Bremen, Germany; vested in the Alien Property Custodian. Valve mechanism for steam plants. 2,297,418; Sept. 29.
Kolozs, Georg. (See Szegö, I., Keszler, Kolozs, and Turcsay.)
Komenda, Erwin, Stuttgart-Korntal, Germany; vested in the Alien Property Custodian. Seat. 2,297,224; Sept. 29.
Komenda, Erwin, Korntal-Stuttgart, Germany; vested in the Alien Property Custodian. Vehicle body part and forming same. 2,297,225; Sept. 29.
Konz, Wilhelm. (See Wieland, H., and Kons.)
Körber, Kurt A., Dresden-Oberloschwitz, Germany; vested in the Alien Property Custodian. Tobacco guiding machine. 2,297,419; Sept. 29.
Kors, Henry F., Chicago, Ill. Biscuit and cooky cutter. 2,297,565; Sept. 29.
Kotcher, Edwin H., assignor to The Murray Corporation of America, Detroit, Mich. Forming die. 2,297,625; Sept. 29.
Kottes, George Leonidas, New Orleans, La. Feed water economizer. 2,296,999; Sept. 29.
Kousin, Harry, New York, N. Y. Facet grinding attachment. 2,297,306; Sept. 29.
Kramer, Ernst, Berlin, Germany; vested in the Alien Property Custodian. Glide path producing means. 2,297,228; Sept. 29.
Krambeer, Karl-Heinrich. (See Bendel, H., Krambeer, and Jacoby.)
Kramer, Ferdinand, Port Chester, N. Y. Collapsible rack. 2,297,358; Sept. 29.
Kratzmann, Franz, Dessau, Germany; vested in the Alien Property Custodian. Centrifugal pistol clutch. 2,297,480; Sept. 29.
Kreemke, Carl. (See Huhn, F. A., and Kreemke.)
Krüger, Johannes, Erfurt, Germany; vested in the Alien Property Custodian. Machine frame for typewriters. 2,297,229; Sept. 29.
Krüger, Johannes, Erfurt, Germany; vested in the Alien Property Custodian. Bearing segment for typewriters. 2,297,420; Sept. 29.
Krüssmann, Adolf, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian. Electrically operated device for transmitting angular movement. 2,297,481; Sept. 29.
Kuhlmann, Walter, Brunswick, Germany; vested in the Alien Property Custodian. Portable radio equipment. 2,297,482; Sept. 29.
Kuhn, Ernst. (See Kallmann, H. I., and Kuhn.)
Kühne, Kurt K., Hanover, Germany; vested in the Alien Property Custodian. Elastic connecting link. 2,297,483; Sept. 29.
Kult, Irving F., Duluth, Minn. Floor mat. 2,297,000; Sept. 29.
Kusel Dairy Equipment Co. (See Derleth, Clark F., assignor.)
La Bour, Harry E., Elkhart, Ind. Self-priming centrifugal pump. 2,297,001; Sept. 29.
Lacey-Webber Co. (See Webber, Joseph T., assignor.)
Ladner, Lawrence A., Camden, N. J., and W. G. Bond, Holly Oak, Del., assignors to S. Sturgis Stout, Cynwyd, Pa. Staking machine. 2,297,189; Sept. 29.
Land, William E. (See Allan, B. W., and Land.)
Lane-Wells Company (See Chun, Melvin E., assignor.)
Lane-Wells Company. (See Lohman, Ralph W., assignor.)
Lane-Wells Company. (See Shepherd, V. V., and Peugh, assignors.)
Lane-Wells Company. (See Spencer, Lloyd, assignor.)
Lane-Wells Company. (See Turechek, George F., assignor.)
Lane-Wells Company. (See Wellington, Welton G., assignor.)
Lane-Wells Company. (See Zschokke, Arthur J., assignor.)
Lang, Karl F. (See Brautigam, A., Walther, Lang, and Berlin.)
Langen, Hans, Munchen-Gladbach, Germany; vested in the Alien Property Custodian. Steaming textiles. 2,297,230; Sept. 29.
Langenfeld, Adolph L. (See Brost, R. V., and Schwartz, assignors.)
Langer, George B., assignor to Lynch Corporation, Anderson, Ind. Glassware forming machine. 2,296,935; Sept. 29.
Larison, Glenn L., La Grande, Oreg. Combined truck and trailer. 2,296,858; Sept. 29.
Larson, Donald E., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Pressure container. 2,297,002; Sept. 29.
Larson, Donald E., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Pressure relief valve. 2,297,003; Sept. 29.
Laschinsky, Serge M., New York, N. Y. Cutting device. 2,297,155; Sept. 29.
Lauber, Urban S., Glen Rock, assignor to General Chemical Company, New York, N. Y. Roasting ore. 2,297,307; Sept. 29.
Laukhuff, Alfred, assignor to Will Ross, Inc., Milwaukee, Wis. Hospital bed. 2,297,105; Sept. 29.
Laux, Peter, Chicago, Ill. Bird perch cleaner. 2,297,566; Sept. 29.
Lavarack, Frederick C. (See Rees, F. X., and Lavarack.)
Layne, Leslie A., Houston, Tex. Well bottom assembly for graveling. 2,297,308; Sept. 29.
Lee, Alan P., Madison, N. J. Distillation of organic liquids. 2,297,004; Sept. 29.
Lee Bros. Hats, Inc. (See Fabian, C. F., and Lee, assignors.)
Lee, Elmer J., assignor of one-third to R. R. Schultz, Bangor, Pa. Hot water or steam boiler. 2,297,567; Sept. 29.
Lee, James B. (See Fabian, C. F., and Lee.)
Lehrer, Fritz, Berlin-Charlottenburg, and J. Wotschke, Berlin-Dahlem, Germany; vested in the Alien Property Custodian. Electrode holder. 2,297,484; Sept. 29.
Lennholm, Gustav A., Detroit, and G. H. Clark, Washtenaw County, assignors to Square D Company, Detroit, Mich. Valve operating electromagnet. 2,297,626; Sept. 29.
Lentz, Anton, Heidelberg, Germany; vested in the Alien Property Custodian. Caterpillar tractor. 2,297,485; Sept. 29.
Leonardon, Eugene G., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Spontaneous potential by induction. 2,297,568; Sept. 29.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Tractor frame. 2,296,859; Sept. 29.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Releasing attachment for chuck. 2,297,106; Sept. 29.
Lewis Invisible Stitch Machine Company. (See Stevenson, Geoffrey, assignor.)
Lewis, Jacob D., Yonkers, and W. H. Bruns, Lincolndale, assignors to Otis Elevator Company, New York, N. Y. Elevator control system. 2,297,359; Sept. 29.
L'Hollier, Leslie H., Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. High overshoe. 2,297,656; Sept. 29.
L'Hollier, Leslie H., Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Quickly removable boot. 2,297,657; Sept. 29.
Libbey-Owens-Ford Glass Company. (See Kirkman, P. J., and Schafer, assignors.)
Lichte, August. (See Bielitz, F., and Lichte.)
Lichte, August. (See Neugebauer, F., and Lichte.)
Lichte, August, Dessau-Alten, Germany; vested in the Alien Property Custodian. Internal combustion engine. 2,297,231; Sept. 29.
Lilienfeld, Antonie, administratrix. (See Lilienfeld, Leon.)
Lilienfeld, Leon, Vienna, Austria, deceased, A. Lilienfeld, administratrix, assignor to Lilienfeld Patents Inc., Boston, Mass. Manufacture of cellulose derivatives and of artificial filaments, films, and other shaped articles therefrom. 2,296,856; Sept. 29.
Lilienfeld, Leon, deceased, Vienna, Germany, A. Lilienfeld, Gstaad, Switzerland, special administratrix, assignor to Lilienfeld Patents Inc., Boston, Mass. Making artificial structures from xanthates. 2,296,857; Sept. 29.
Lilienfeld Patents Inc. (See Lilienfeld, Leon, assignor.)
Lilly, Eli, and Company. (See Shonle, Horace A., assignor.)
Lilly, Eli and Company. (See Shonle, H. A., and Doran, assignors.)
Limbert, Rollin J., Conshohocken, Pa. Molding. 2,297,309; Sept. 29.
Lincoln, Bert H., and G. D. Byrkit, assignors to Continental Oil Company, Ponca City, Okla. Organic arsenic compound-bearing lubricants. 2,297,658; Sept. 29.
Lincoln Engineering Company. (See Fox, A. P., and Schneller, assignors.)
Linde Air Products Company, The. (See Day, R. O., and Cowin, assignors.)
Linke, Gerhard, and W. Michaelis, Magdeburg, Germany; vested in the Alien Property Custodian. Conveying apparatus. 2,297,486; Sept. 29.
Linnhoff, Wolfgang. (See Stoeckly, J. J., and Linnhoff.)
Lionel Corporation, The. (See Bonanno, Joseph L., assignor.)
Lionel Corporation, The. (See Ferri, Henry J., assignor.)
Lionel Corporation, The. (See Giaimo, Charles V., assignor.)
Lipe, W. C., Inc. (See Spase, Charles B., assignor.)
Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)
Liquidometer Corporation, The. (See de Giers, Clarence A., assignor.)
Livingston, Stanley D., Freeport, N. Y. Relief printing press. 2,297,005; Sept. 29.

Livingstone, Clarence J. (See Stevens, D. R., and Livingstone.)
Lloyd, Charles E., Langley, England. Height block. 2,297,569; Sept. 29.
Locke Insulator Corporation. (See Bellezza, R. G., and Skipper, assignors.)
Loehr, Leslie K., Los Angeles, Calif. Venetian blind. 2,297,627; Sept. 29.
Logan, Thomas A., and I. Molnar, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Airport lighting and traffic control system. 2,296,936; Sept. 29.
Lohman, Ralph W., South Pasadena, assignor to Lane-Wells Company, Los Angeles, Calif. Gun perforator firing system. 2,297,006; Sept. 29.
Long, Armistead R., and J. B. Long, Fayetteville, W. Va. Bit holder for cutter chains. 2,297,570; Sept. 29.
Long, John B. (See Long, Armistead R. and J. B.)
L'Orange, Prosper, deceased, Stuttgart, Germany, by Rudolf L'Orange, executor, Stuttgart, Germany; vested in the Alien Property Custodian. Injector for internal combustion engines. 2,297,487; Sept. 29.
L'Orange, Rudolf, executor. (See L'Orange, Prosper.)
Lorant, Lionel, Sunnyside, N. Y., assignor to Super Electric Products Corp., Jersey City, N. J. Electrical transformer. 2,297,659; Sept. 29.
Lorenz, Karl, Stuttgart, Germany; vested in the Alien Property Custodian. Cooled injection nozzle. 2,297,421; Sept. 29.
Lotz, Walter. (See Seitz, E. O., and Lotz.)
Lougovoy, Boris N. (See Hartwig, C. E., and Lougovoy.)
Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,297,007; Sept. 29.
Lowey, Roy E., Evanston, assignor to Container Corporation of America, Chicago, Ill. Carton. 2,297,571; Sept. 29.
Lucas, Joseph, Limited. (See Ifield, Richard J., assignor.)
Lüder, Willi. (See Jahn, W., and Lüder.)
Lüderitz, Rudolf, Berlin, Germany; vested in the Alien Property Custodian. Radio-frequency coil and electrostatic shield. 2,297,488; Sept. 29.
Lynch Corporation. (See Langer, George B., assignor.)
Lyne Co. (See Lyons, Joseph L., Jr., assignor.)
Lyons, Joseph L., Jr., assignor to Lyne Co., Chicago, Ill. Collapsible carrier and display carton for bottles. 2,296,937; Sept. 29.
Lytle, Arthur R., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Welding rod and manufacturing welding rods. 2,296,938; Sept. 29.
Macdonald, Herbert G., Oak Park, and P. B. Streich, Maywood, Ill., assignors to Charles Bruning Company, Inc., New York, N. Y. Cylinder drive mechanism for printing machines. 2,297,573; Sept. 29.
Magazine Repeating Razor Company. (See Briggs, Arthur J., assignor.)
Magidson, Frank, Pittsburgh, Pa., assignor to Pittsburgh Cut Wire Company. Machine for making "Gem" paper clips. 2,297,156. Sept. 29.
Magnuson, Vernie G., Minneapolis, Minn. Electrically operated floor cleaner. 2,297,107; Sept. 29.
Malleable Steel Range Manufacturing Company. (See Sickinger, William H., assignor.)
Mallinckrodt Chemical Works. (See Shreve, R. N., and Swaney, assignors.)
Mallory, P. R., & Co. (See Blackburn, Charles M., assignor.)
Mallory, Robert L., Houston, Tex., assignor to The Brown Instrument Company, Philadelphia, Pa. Air operated instrument. 2,297,361; Sept. 29.
Marchant, Guy O., et al. (See Walker, Jay P., assignor.)
Markes, Carl, Ludenscheid, Germany; vested in the Alien Property Custodian. Toy driving wheel. 2,297,489; Sept. 29.
Marrison, Alfred. (See Grant, Willis C., assignor.)
Martin, Charles A., Buffalo, N. Y. Hoisting apparatus. 2,297,572; Sept. 29.
Martin, Glenn L., Company. (See Miller, Leslie T., assignor.)
Martin, Hans, and L. Gebert, Erfurt, Germany; vested in the Alien Property Custodian. Paper guide and feed for typewriters. 2,297,490; Sept. 29.
Martin, John S., Halfway, Oreg. Plant incubator. 2,296,860; Sept. 29.
Martin, Karl, F. Möckel, and W. Kaiser, Rathenow, Germany; vested in the Alien Property Custodian. Magnifying device. 2,297,232; Sept. 29.
Mather & Platt Limited. (See Sherwell, Thomas Y., and Pennington, assignors.)
Matter, Albert J., Park Ridge, assignor of one-half to Edward B. Fallon, Chicago, Ill. Glue applicator. 2,296,861; Sept. 29.
Matthias, Lynn H., Fox Point, assignor to Allen-Bradley Company, Milwaukee, Wis. Auxiliary switch for electromagnetically operated devices. 2,297,423; Sept. 29.
Maust, Ernest J. (See Mead, Harry L., and Maust.)
Maxim Silencer Company, The. (See Bourne, Roland B., assignor.)
Maximoff, Alessandro, and O. Canonici, Milan, Italy, vested in the Alien Property Custodian. Manufacture of diolefines from alcohols and aldehydes. 2,297,424; Sept. 29.
Mazee, Willem M., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Nonaqueous drilling fluid. 2,297,660; Sept. 29.
McCann, Ronald A. (See Young, H. S., and McCann.)
McClellan, Marcus E., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Pick-up mechanism. 2,297,310; Sept. 29.
McClinton, John, Houston, Tex. Drill. 2,297,157; Sept. 29.
McCord, Willis I., Little Falls, N. J. Card display device. 2,297,574; Sept. 29.
McCoy, Marion M. (See Scaks, P., and McCoy.)
McDonald, Jesse D., assignor of one-third to J. E. Thomas, Enid, Okla. Bun coring machine. 2,297,158; Sept. 29.
McGraw Electric Company. (See Osterheld, Clark M., assignor.)
McGregor, Rob R., Swissvale, assignor to N. S. Garbisch, Butler, Pa. Recovery of wastes from glass grinding and polishing operations. 2,297,628; Sept. 29.
McKay, Albert R., Portland, Oreg. Coin controlled pump. 2,297,360; Sept. 29.
McKeag, Alfred H. (See Britten, L. F., Jenkins, and McKeag.)
McKeag, Alfred H., North Wembley, and P. W. Ranby, Wembley, England, assignors to General Electric Company. Flourescent material. 2,297,108; Sept. 29.
McKee, Ralph H., New York, N. Y. Separation of oil from gas. 2,297,062; Sept. 29.
McKesson, Claude L., and V. E. Watts, assignors to American Bitumuls Company, San Francisco, Calif. Stabilized mineral matter and preparing the same. 2,297,063; Sept. 29.
McKinley, William, Moline, Ill. Floating toolholder. 2,297,064; Sept. 29.
McKinnis, Ronald B., Winter Haven, Fla. Apparatus for packaging liquids. 2,297,190; Sept. 29.
McLean, George H., Jackson, Tenn. Shotgun sight. 2,297,575; Sept. 29.
McLendon, Carlton G., Dawson, Ga. Peanut harvester. 2,297,065; Sept. 29.
McMahan, Thomas E., Long Beach, Calif. Well bit protector. 2,296,939; Sept. 29.
McMillan, Gordon G., Sierra Madre, Calif. Holster lock. 2,297,008; Sept. 29.
Mead, Harry L., and E. J. Maust, Brewster, Fla., assignors to American Cyanamid Company, New York, N. Y. Disintegrating apparatus. 2,297,009; Sept. 29.
Mead, Harry L., and E. J. Maust, Brewster, Fla., assignor to American Cyanamid Company, New York, N. Y. Flotation feed control. 2,297,311; Sept. 29.
Meer, Karl, Villingen, Schwarzwald, Germany; vested in the Alien Property Custodian. Speed warning signal. 2,297,233; Sept. 29.
Meier, Ernst, Jr., Brunswick, Germany; vested in the Alien Property Custodian. Manufacturing tubular composite metal bodies. 2,297,491; Sept. 29.
Meininghaus, Ulrich, Muelheim-Ruhr, Germany; vested in the Alien Property Custodian. Bladed disk for radial flow rotary machines. 2,296,862; Sept. 29.
Meissner, Kurt. (See Neugebauer, F., Franz, Decher, and Meissner.)
Meissner, Kurt, Dessau, Germany; vested in the Alien Property Custodian. Exhaust conduit assembly 2,297,425; Sept. 29.
Meiswinkel, Samuel, Gaggenau, Germany; vested in the Alien Property Custodian. Fuel pump regulation. 2,297,234; Sept. 29.
Merritt, George E. (See Briechle, A., Hurley, and Merritt.)
Merry, Edson D. (See Van Dresser, W. C., and Merry.)
Messner, Maximilian. (See Deserno, P., and Messner.)
Metcalfe, James C. (See Metcalfe, Richard D. and James C.)
Metcalfe, Richard D. and J. C., assignors to Davies & Metcalfe Limited, Romiley, England. Exhaust steam injector. 2,296,940; Sept. 29.
Meyer, Joseph J., and F. A. Jones, assignors to G-H Specialty Company, Milwaukee, Wis. Hinged structure. 2,297,629; Sept. 29.
Michaelis, Günter, Berlin-Mariendorf, Germany; vested in the Alien Property Custodian. Electrical discharge device. 2,297,492; Sept. 29.
Michaelis, Werner. (See Linke, G., and Michaelis.)
Midland Steel Products Company, The. (See Almdale, Elnar, assignor.)
Midland Steel Products Company, The. (See Burkhardt, Louis, assignor.)
Mieth, Herman, Louisville, Ky. Security holder for keys and valuables. 2,297,312; Sept. 29.
Mietzsch, Fritz. (See Pöhls, P., and Mietzsch.)
Milano, Barney F., Pueblo, Colo. Saw filing device. 2,297,010; Sept. 29.
Miller Company, The. (See Gould, James, Jr., assignor.)
Miller, Denning, New York, H. Weiskopf, New Rochelle, and J. W. Pickworth, Bronxville, assignors to The Aerocrete Corporation of America, New York, N. Y. Reinforced concrete floor construction. 2,296,863; Sept. 29.
Miller, Jacob M., Chicago, Ill. Fingerprint cardholder. 2,297,066; Sept. 29.
Miller, Leslie T., Stoneleigh, assignor to The Glenn L. Martin Company, Baltimore, Md. Valve. 2,297,576; Sept. 29.

Milligan, Charles H., Westfield, N. J., assignor to The American Agricultural Chemical Company, New York, N. Y. Slow-acting monocalcium phosphate and manufacturing the same. 2,297,630; Sept. 29.
Mills Novelty Company. (See Trask, Allen, assignor.)
Milprint, Inc. (See Rosen, Shy and M., assignors.)
Miner, W. H., Inc. (See Lounsbury, Harvey J., assignor.)
Minkoff, Gregoire. (See Stanley, H. M., and Minkoff.)
Mission Manufacturing Company. (See White, Richard E., assignor.)
Mitchell, Giles C., Kansas City, Mo. Refrigerator. 2,297,631; Sept. 29.
Möbius, Walter, H. Hautsch and H. Ulbrich, Magdeburg, Germany; vested in the Alien Property Custodian. Shifting device for stepped gear drives. 2,297,422; Sept. 29.
Möckel, Friedrich. (See Martin, K., Möckel and Kaiser.)
Mohler, Grace M., Cleveland, Ohio. Garment. 2,297,159; Sept. 29.
Molla, Charles Peter, New York, N. Y. Light reflecting device. 2,297,313; Sept. 29.
Molnar, Imre. (See Logan, T. A., and Molnar.)
Molnar, Imre, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Electric control system. 2,296,941; Sept. 29.
Monsanto Chemical Company. (See De Bell, John M., assignor.)
Monte, Victor, Woodhaven, N. Y. Counterbalance attachment for fishing rods. 2,297,577; Sept. 29.
Monti Guarnieri, Gaetano, Milan, Italy; vested in the Alien Property Custodian. Sensitivity control for radio receivers. 2,297,470; Sept. 29.
Mooney, James D., Oyster Bay, N. Y. Apparatus for illustrating economic principles. 2,297,011; Sept. 29.
Mooney, James D., Oyster Bay, N. Y. Apparatus for illustrating economics. 2,297,012; Sept. 29.
Morgan, Conrad J., National City, Calif. Egg cleaning machine. 2,297,067; Sept. 29.
Morrison, Douglas E., United States Army, Trenton, Ga. Data transmission system. 2,296,864; Sept. 29.
Morrow, Harry M., Canton, Ohio, assignor to The Bowdil Company. Cutting bit. 2,297,362; Sept. 29.
Morrow, Harry M., Canton, Ohio, assignor to The Bowdil Company. Cutting bit. 2,297,363; Sept. 29.
Morse, Kenneth P., assignor to The Standard Register Company, Dayton, Ohio. Autographic register. 2,296,865; Sept. 29.
Moseley, James T. W., Clayton, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,297,109; Sept. 29.
Mosley, Alfred J., Aurora, Ill. Conveyer. 2,297,632; Sept. 29.
Moss, Cresap M., Washington, D. C., assignor to Chicago Development Company, Chicago, Ill. Aluminum alloy. 2,296,866; Sept. 29.
Müller, Alfred. (See Zellbeck, G., and Müller.)
Müller, Alfred, Munich, Germany; vested in the Alien Property Custodian. Control for supercharged engines. 2,297,235; Sept. 29.
Mullerheim, Kurt, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system. 2,297,068; Sept. 29.
Müller-Keuth, Wilhelm and E. Engert, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian. Spinner for the hubs of airscrews. 2,297,226; Sept. 29.
Murray Corporation of America, The. (See Freeman, Lowell C.)
Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)
Murray Corporation of America, The. (See Kotcher, Edwin H., assignor.)
Nádai, Alexander, and J. Stern, Budapest, Hungary; vested in the Alien Property Custodian. Belt shifter. 2,297,236; Sept. 29.
Nägele, Karl F., Berlin-Lichterfelde, Germany; vested in the Alien Property Custodian. Device for the manufacture of zippers. 2,297,426; Sept. 29.
Nallinger, Fritz, Stuttgart, Germany; vested in the Alien Property Custodian. Aircraft engine. 2,297,237; Sept. 29.
Nally, Joseph, Amityville, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Angle riveter attachment. 2,297,160; Sept. 29.
Nasca, Pasquale, Rome, Italy; vested in the Alien Property Custodian. Floating parachute pack. 2,297,493; Sept. 29.
Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Nash, Russell K. (See Griswold, S. M., and Nash.)
National Broach & Machine Company. (See Drummond, Robert S., assignor.)
National Pressure Cooker Company. (See Wittenberg, Edward H., assignor.)
National-Standard Company. (See Domm, Elgin C., assignor.)
National Standard Company. (See Pierce, Robert C., assignor.)
Neidhardt, Peter, Berlin, Germany; vested in the Alien Property Custodian. Ultra-short wave directive antenna. 2,297,427; Sept. 29.
Nelson, Robert A., Burley, Idaho. Apparatus for mixing viscous material with stock feed. 2,297,069; Sept. 29.
Nerwin, Hubert, Dresden, Germany; vested in the Alien Property Custodian. Photographic camera. 2,297,494;
Neugebauer, Franz, Allach, near Munich, and A. Lichte, Dessau-Alten, Germany; vested in the Alien Property Custodian. Fuel supply for internal combustion engines. 2,297,238; Sept. 29.
Neugebauer, Franz, Allach, near Munich, A. Franz, Dessau-Ziebigk, S. Decher, and K. Meissner, Dessau, Germany; vested in the Alien Property Custodian. Discharge nozzle. 2,297,239; Sept. 29.
Neumann, Leo, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Liquid lens particularly for motor cars. 2,279,240; Sept. 29.
Newton, Norman B., assignor to Crane Co., Chicago, Ill. Seat ring for rotary valves. 2,297,161; Sept. 29.
Niagara Blower Company. (See Olstad, M. H., and Williams, assignors.)
Nichols, Charles A., and G. L. Weiser, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Making T's of metal tubing. 2,297,013; Sept. 29.
Nixdorff, Samuel P., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting system and excitation apparatus therefor. 2,297,364; Sept. 29.
Noddings, William C., Matawan, N. J., assignor to International Smelting & Refining Co., New York, N. Y. Automatic constant current controller. 2,297,578; Sept. 29.
Norberg, Hugo W., Flint, Mich. Tire and wheel lock. 2,297,579; Sept. 29.
Norton Company. (See Johnson, Franklin E., assignor.)
Nüchterlein, Karl, Dresden, Germany; vested in the Alien Property Custodian. Reflex camera. 2,297,428; Sept. 29.
Nüsslein, Gunter. (See Eberhardt, R., Nüsslein and Rupp.)
Nutt, William H., Beverly, and A. L. Russell, Boston, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Providing fastening material. 2,296,942; Sept. 29.
Offen, Bernard, Chicago, Ill. Drying apparatus. 2,297,314; Sept. 29.
Offen, Francis J., assignor to The Garrard Engineering & Manufacturing Company, Limited, Swindon, England. Magazine phonograph. 2,297,014; Sept. 29.
Oilgear Company, The. (See Grad, Adolf R., assignor.)
Okolicsanyi, Ferenc, Kensington, London, England. Optical system for television receivers. 2,296,943; Sept. 29.
Okolicsanyi, Ferenc, Kensington, London, England. Television receiver. 2,296,944; Sept. 29.
Okun, Nathaniel N., Bronx, N. Y., assignor to Swank Products, Inc. Chain slide. 2,297,661; Sept. 29.
Olcott, Charles A., West Milford, N. J. Centrifugal curb liquid separation. 2,296,945; Sept. 29.
Olcott, Charles A., West Milford, N. J. Water cooled braking. 2,297,162; Sept. 29.
Olson Bros. Machine, Tool and Saw Co. (See Brulin, Edvard, assignor.)
Olstad, Martin H., Bayside, and A. E. Williams, White Plains, assignors to Niagara Blower Company, New York, N. Y. Apparatus for maintaining the desired temperature of liquids. 2,296,946; Sept. 29.
Oppenauer, Rupert, Amsterdam, Netherlands, assignor, by mesne assignments, to Roche-Organon, Inc., Nutley, N. J. Manufacture of carboxylic acids of the cyclopentano-polyhydro-phenanthrene-series and their derivatives. 2,297,580; Sept. 29.
Ordway, George A. (See Wilson, W. H., and Ordway.)
Osborne, Ralph Willoughby, Toronto, Ontario, Canada. Apparatus for controlling the proportionate admixture of ingredients with liquids. 2,296,867; Sept. 29.
Osgood, Walter P., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Machine for coating strips. 2,297,015; Sept. 29.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,297,016; Sept. 29.
Ostline, John E., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,297,365; Sept. 29.
Otis Elevator Company. (See Lewis, J. D., and Bruns, assignors.)
Overhead Loader Corporation. (See Andersen, T. K., and Tengel, assignors.)
Overman, Max C., New York, N. Y. Tire mold structure. 2,297,017; Sept. 29.
Overstreet, Robert L., Bedford, Va., assignor, by mesne assignments, to Salta Corporation, Jersey City, N. J. Sponge rubber and making same. 2,297,018; Sept. 29.
Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Apparatus to produce bent glass. 2,297,315; Sept. 29.
PHC Housing Corporation. (See Hasenburger, H., and Corbett, assignors.)
Paddock, George A., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cell cover for storage batteries. 2,297,019; Sept. 29.
Padgett, Charles M., Washington, D. C. Scaffolding support. 2,297,316; Sept. 29.

Paehr, Hans W., Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Cathode ray tube. 2,297,429; Sept. 29.
Page, John S., Long Beach, Calif. Circulating fluid washer. 2,297,020; Sept. 29.
Paradise, Louis A., and R. L. Anderson, assignors to Deere & Company, Moline, Ill. Harvester sickle driving means. 2,297,317; Sept. 29.
Parker, Donald, Fresno, Calif. Dusting apparatus and nozzle construction. 2,297,110; Sept. 29.
Parker, Rolland S., Calcutta, British India. Axle box dust seal. 2,297,021; Sept. 29.
Parker Rust Proof Company. (See Glasson, Cecil W., assignor.)
Parker Rust Proof Company. (See Thompson, John S., assignor.)
Parkes, Ralph C., Glenside, Pa. Drying machine. 2,297,318; Sept. 29.
Parman, Howard R., assignor to Chamberlain, Inc., Chicago, Ill. Illuminated stand. 2,297,191; Sept. 29.
Parr, Josephus O., Jr., assignor to Olive S. Petty, San Antonio, Tex. Seismic circuits. 2,297,319; Sept. 29.
Patterson, Raymond L. (See Hardy, C., and Patterson.)
Paul, Earl A., assignor to James H. Smith & Sons Corporation, Griffith, Ind. Apparatus for operating flash lights and cameras. 2297,111; Sept. 29.
Paul-Rohland, Inc. (See Wildegans, Erich K., assignor.)
Paul, William. (See Tabb, W. E., and Paul.)
Pechy, William, Manasquan, N. J., assignor to American Can Company, New York, N. Y. Mechanism for driving tandem machines. 2,296,868; Sept. 29.
Peerless Chain Company. (See Bambenek, Joseph B., assignor.)
Pehrisch, Rudolf. (See Ehlert, P., Pehrisch and Clasen.)
Peltier, Frank D., Rydal, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator. 2,297,581; Sept. 29.
Pelton, George S., et al. (See Swallow, William D., assignor.)
Pelton, Herbert E., et al. (See Swallow, William D., assignor.)
Pennington, Reginald. (See Sherwell, Thomas Yeo, and Pennington.)
Percy, Joseph H. (See Ross, John, and Percy.)
Perkins, Albert G., Warsaw, N. Y., assignor to Centriline Corporation, Ampere, N. J. Troweling mechanism for pipe coating apparatus. 2,297,163; Sept. 29.
Perner, Leonhard, Berlin, Germany; vested in the Alien Property Custodian. Plating of aluminum. 2,297,241; Sept. 29.
Peters, Melville F., Beltsville, Md., and G. F., Blackburn, Washington, D. C. Dual distributor. 2,296,869; Sept. 29.
Peters, Wilhelm, Berlin, Germany; vested in the Alien Property Custodian. Antenna insulator. 2,297,430; Sept. 29.
Petersen, John S. (See Bayer, M. F., and Petersen.)
Petry, Ludwig. (See Geduhn, W., and Petry.)
Petty, Olive S. (See Parr, Josephus O., Jr., assignor.)
Peugh, Orlo R. (See Shepherd, V. V., and Peugh.)
Pfaff, Peter. (See Hintze, R., and Pfaff.)
Pfahl, Werner, Meuselwitz, Germany; vested in the Alien Property Custodian. Circular rolling press for briquetting fine coal and the like. 2,297,244; Sept. 29.
Pfau, Hans, Berlin-Adlershof, Germany; vested in the Alien Property Custodian. Ventilation of altitude cabins, in particular for aircraft. 2,297,495; Sept. 29.
Pfleumer, Hans, New Brunswick, N. J., assignor to Rubatex Products, Inc., New York, N. Y. Making closed cell rubber. 2,297,022; Sept. 29.
Phelan, William M., Montreal, Quebec, Canada. Hinge mounting for swinging closures. 2,297,023; Sept. 29.
Philco Corporation. (See Jacke, William L., assignor.)
Philco Corporation. (See Peltier, Frank D., assignor.)
Philco Corporation. (See Rundell, Theodore W., assignor.)
Philco Radio and Television Corporation. (See Grimes, D., and Thompson, assignors.)
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,297,633; Sept. 29.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,297,112; Sept. 29.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,297,113; Sept. 29.
Phillips Petroleum Company. (See Carney, Samuel C., assignor.)
Phosphate Recovery Corporation. (See Tartaron, F. X., Cole and Duke, assignors.)
Pickworth, John W. (See Miller, D., Weiskopf, and Pickworth.)
Pierce, Frank L., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,297,366; Sept. 29.
Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Expansible cartridge. 2,296,947; Sept. 29.
Pitman, Earle C., Lincroft, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plastics manufacture. 2,296,948; Sept. 29.
Pittsburgh Corning Corporation. (See Wiley, Otis W., assignor.)
Pittsburgh Cut Wire Company. (See Magidson, Frank, assignor.)
Pittsburgh Pipe Cleaner Company. (See Robinson, Kyle I. and L. R., assignors.)
Pittsburgh Plate Glass Company. (See Crist, Philip W., assignor.)
Pittsburgh Plate Glass Company. (See Gerhart, Howard L., assignor.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Platz, Elwood T., assignor to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 2,297,320; Sept. 29.
Plax Corporation. (See Bailey, James, assignor.)
Plepp, Gaston. (See Fink, H., and Plepp.)
Pöhlmann, Fritz, Allach, near Munich, Germany; vested in the Alien Property Custodian. Sound recording and reproducing machine. 2,297,242; Sept. 29.
Pöhls, Paul, and F. Mietzsch, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Diarylsulphone derivatives. 2,297,024; Sept. 29.
Poll, Rudolf, Gaggenau, Baden, Germany; vested in the Alien Property Custodian. Fare indicator. 2,297,431; Sept. 29.
Pomilio, Carlo, Rapallo, Italy; vested in the Alien Property Custodian. Water ski and like. 2,297,496; Sept. 29.
Poole, Roy B. (See Samiran, D., and Poole.)
Popoff, Mintscho, Berlin, Germany; vested in the Alien Property Custodian. Spraying process and apparatus. 2,297,497; Sept. 29.
Pott, August F., Zella-Mehlis, Germany; vested in the Alien Property Custodian. Division mechanism. 2,297,243; Sept. 29.
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Slide fastener manufacture. 2,297,070; Sept. 29.
Prast, Johannes, Berlin, Germany; vested in the Alien Property Custodian. Power supply system. 2,297,498; Sept. 29.
Prebilt Housing Corporation. (See Hasenburger, H., and Corbett, assignors.)
Prentice, Rudolph B., Portland, Oreg. Steam heating apparatus. 2,297,071; Sept. 29.
Pritschow, Karl, Brunswich, Germany, assignor, by mesne assignments, to Sherka Chemical Co. Inc., Bloomfield, N. J. Photographic camera. 2,297,634; Sept. 29.
Proctor, B. A. Company. (See Proctor, Barton A., and Thiede, assignors.)
Proctor, Barton A., Larchmont, and F. C. W. Thiede, Hemstead, assignor to B. A. Proctor Company, Inc., New York, N. Y. Sound recording and reproducing. 2,296,870; Sept. 29.
Proctor, Barton A., Larchmont, assignor to B. A. Proctor Company, Inc., New York, N. Y. Index means for sound translating. 2,296,871; Sept. 29.
Proctor, Barton A., Larchmont, assignor to B. A. Proctor Company, Inc., New York, N. Y. Sound recording and reproducing apparatus. 2,296,872; Sept. 29.
Proctor & Schwartz, Inc. (See Fagan, John C., assignor.)
Prosperity Company, The. (See Davis, Ernest, assignor.)
Plipp, Wolfgang. (See Düllenbach, W., Collenbusch and Plipp.)
Purdue Research Fundation. (See Hass, H. B., and Huffman, assignors.)
Pure Oil Company, The. (See Henderson, L. M., and Ayers, assignors.)
Pure Oil Company, The. (See Henderson, L. M., and Schroder, assignors.)
Püschner, Josef. (See Püschner, Julius and Josef.)
Püschner, Julius, and Josef Puschner, Sudetengau, Germany; vested in the Alien Property Custodian. Manufacture of nonmetallic sliding clasp fasteners. 2,297,245; Sept. 29.
Quentin, Alberto, Milan, Italy; vested in the Alien Property Custodian. Apparatus for use in glass tempering. 2,297,246; Sept. 29.
Rachford, John, Chicago, Ill. Hog scraper-beater. 2,296,873; Sept. 29.
Rackett, Gerald F., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. Composite color photography. 2,297,582; Sept. 29.
Radio Corporation of America. (See Anderson, Earl I., assignor.)
Radio Corporation of America. (See Foster, Dudley E., assignor.)
Radio Corporation of America. (See Foster, D. E., and Rankin, assignors.)
Radio Corporation of America. (See Goldstine, Hallan E., assignor.)
Radio Corporation of America. (See Goodale, E. Dudley, assignor.)
Radio Corporation of America. (See Tunick, Harry, assignor.)
Raggio, Maynard H., Chicago, Ill. Banding for tops of desks and other furniture. 2,297,072; Sept. 29.
Railroad Accessories Corporation. (See Rees, F. X., and Lavarack, assignors.)
Railway and Industrial Engineering Company. (See Rudd, Harold H., assignor.)
Rainwater, John E., assignor of one-half to D. L. Roberts, Jr., Cedartown, Ga. Pipe replacing apparatus. 2,297,164; Sept. 29.
Rall, Ernst. (See Gabler, E., and Rall.)

Rambusch Decorating Company. (See Anderson, V. G., and Rambusch, assignors.)
Rambusch, Edward. (See Anderson, V. G., and Rambusch.)
Ranby, Peter W. (See McKeag, A. H., and Ranby.)
Rankin, John A. (See Foster, D. E., and Rankin.)
Rappold, Armin, Berlin, Germany; vested in the Alien Property Custodian. Television transmitter. 2,297,499; Sept. 29.
Rappold, Armin, Berlin, Germany; vested in the Alien Property Custodian. Television device. 2,297,500; Sept. 29.
Rasch, Wilhelm and Hermann Ballerstein, Wernigerode, Germany; vested in the Alien Property Custodian. System of wrapping articles. 2,297,432; Sept. 29.
Rasco, Charles A., assignor of one-half to Rozelle L. Williams, Oakland, Calif. Stereoscopic apparatus. 2,297,322; Sept. 29.
Rauchholz, Heinrich, Berlin, Germany; vested in the Alien Property Custodian. Ligh-metal barrack. 2,297,247; Sept. 29.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Earth boring tool. 2,297,192; Sept. 29.
Rees, Frank X., Albany, N. Y., and F. C. Lavarack, Montclair, N. J., assignors to Railroad Accessories Corporation, New York, N. Y. Lightning arrester. 2,297,323; Sept. 29.
Reese, Harry D., and C. S. Edwards, Detroit, Mich. Slug casting machine quadding and centering device. 2,297,073; Sept. 29.
Reger, Raymond, Anderson, Ind. Key holder. 2,297,324; Sept. 29.
Rehm, Karl. (See Berger, E., and Rehm.)
Reiber, Albert H., Evanston, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,296,874; Sept. 29.
Reid, Ebenezer E., Baltimore, Md., assignor to The Chemical Foundation, Incorporated, as trustee. Producing steroid ketones from steroid alcohols. 2,297,367; Sept. 29.
Research Corporation. (See Hedberg, Carl W. Jr., assignor.)
Rich, Paul C. (See Craig, W. A., and Rich.)
Richardson Company, The. (See Rieser, Oliver O., assignor.)
Richfield Oil Corporation. (See Craig, W. A., and Rich, assignors.)
Ricker, Henry Ancle, Windsor, Canada. Adjustable support. 2,297,325; Sept. 29.
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Valved nonoverfill structure. 2,297,326; Sept. 29.
Riley, Earl, Pontiac, Mich. Bracket for curtain rods. 2,297,327; Sept. 29.
Ringel, Charles, Hawthorne, N. J., assignor to The Superheater Company, New York, N. Y. Tube band. 2,297,165; Sept. 29.
Rippl, Francis J., Cleveland, and E. B. Isaac, Cleveland Heights, Ohio, assignors to General Electric Company. Strip or ribbon making method and apparatus. 2,297,368; Sept. 29.
Ritchie, Scott B., U. S. Army, Cootes Store, Va. Slow-motion drive for centrifugal casting machine. 2,296,875; Sept. 29.
Roberts, Clifford, Winchester, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Brush structure. 2,296,949; Sept. 29.
Roberts, Daniel L., Jr. (See Rainwater, John E., assignor.)
Robin, Leo, and M. van Roggen, Sprimont, Belgium. Free wheeling mechanism. 2,297,166; Sept. 29.
Robinson, Joseph, and E. G. Zaug, New York, N. Y. Roller skate auxiliary. 2,297,328; Sept. 29.
Robinson, Kyle I., Bolivar, and L. R. Robinson, Zelienople, assignors to Pittsburgh Pipe Cleaner Company, Pittsburgh, Pa. Coupling. 2,297,167; Sept. 29.
Robinson, Lawrence R. (See Robinson, Kyle I. and L. R.)
Robinson, Preston, Williamstown, and J. Burnham, North Adams, Mass. Electrolytic condenser. 2,297,669; Sept. 29.
Roche-Organon, Inc. (See Appenauer, Rupert.)
Rock-Ola Manufacturing Corporation. (See Triman, E. L., and Dettle, assignors.)
Roedl, George C., Beaver Dam, Wis. Oven cabinet, shelf, and door. 2,296,950; Sept. 29.
Röhm & Haas Company. (See Bock, Louis H., assignor.)
Rohm & Haas Company. (See Hester, W. F., and Craig, assignors.)
Rohrdanz, Allen C., Detroit, Mich. Manhole grinding machine. 2,297,074; Sept. 29.
Rohrer, Frederick F., Jr. (See Sanford, R. S., Andres, and Rohrer, Jr.)
Roloff, Johannes, Altenburg, Thuringia, and H. Hautsch, Meuselwitz, Thuringia, Germany; vested in the Alien Property Custodian. Reduction gear attachment. 2,297,433; Sept. 29.
Roloff, Johannes, Altenburg, Thuringia, and H. Hautsch, Meuselwitz, Thuringia, Germany; vested in the Alien Property Custodian. Feed interruption device for slides. 2,297,501; Sept. 29.
Roosenstein, Hans O. (See von Baeyer, H. J. R., Roosenstein, and Tantzen.)
Rosen, Martin. (See Rosen, Shy, and Rosen.)
Rosen, Shy, and M. Rosen, Flushing, N. Y., assignors to Milprint, Inc., Milwaukee, Wis. Commodity wrapper. 2,296,951; Sept. 29.
Rosenberg, Max, New York, N. Y. Black-out dimmer. 2,297,168; Sept. 29.
Ross, Donald W., Washington, Pa. Particle size grading and product. 2,297,169; Sept. 29.
Ross, John, and J. H. Percy, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Chemical treatment of black liquor and tall oil. 2,296,952; Sept. 29.
Ross, Will, Inc. (See Laukhuff, Alfred, assignor.)
Ross, William, London, England. Apparatus for feeding and controlling the flow of materials from hoppers, chutes and the like. 2,296,953; Sept. 29.
Ross, William H. (See Hardesty, John O., and Ross.)
Rowland, David V., Sacramento, Calif. Dispenser. 2,297,075; Sept. 29.
Rowlands, Arthur E., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Material handling device. 2,297,583; Sept. 29.
Rubatex Products, Inc. (See Pfleumer, Hans, assignor.)
Rudd, Harold H., assignor to Railway and Industrial Engineering Company, Greensburg, Pa. Heavy duty delta connection. 2,297,170; Sept. 29.
Rudolph, Hans, Bietigheim-on-the-Elbe, Wurttemberg, Germany; vested in the Alien Property Custodian. Porous materials and making. 2,297,248; Sept. 29.
Rudolph, Willi, Karlsruhe, Germany; vested in the Alien Property Custodian. Detoxication of castor pomace. 2,297,434; Sept. 29.
Rudolph, Willi, Karlsruhe, Baden, Germany; vested in the Alien Property Custodian. Treatment of dried peas. 2,297,502; Sept. 29.
Rudolph, Willi, Karlsruhe, Baden, Germany; vested in the Alien Property Custodian. Detoxicating castor pomace. 2,297,503; Sept. 29.
Rundell, Theodore W., Jenkintown, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator. 2,297,584; Sept. 29.
Runge, Wilhelm, Berlin-Wannsee, Germany; vested in the Alien Property Custodian. Double frame direction finder with visual indicator. 2,297,249; Sept. 29.
Rupp, Helmut. (See Eberhardt, R., Nüsslein and Rupp.)
Russell, Arthur L. (See Nutt, W. H., and Russell.)
Russell, George W., Denver, Colo. Air pump. 2,297,025; Sept. 29.
Sacks, Philip, Newark, and M. M. McCoy, Whippany, N. J. Brake controlling mechanism for automobiles. 2,297,076; Sept. 29.
Salta Corporation. (See Overstreet, Robert L., assignor.)
Salvaneschi, Pino, Broni, Italy; vested in the Alien Property Custodian. Method and apparatus for molding plastic material. 2,297,504; Sept. 29.
Samiran, David, and R. B. Poole, Dayton, Ohio. Aircraft fuel system. 2,296,876; Sept. 29.
Sanford, Rex H., Duluth, Minn. Cleansing apparatus. 2,297,171; Sept. 29.
Sanford, Roy S., W. J. Andres and F. F. Rohrer, Jr., assignors to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Gear shifting mechanism. 2,297,026; Sept. 29.
Sangamo Electric Company. (See Alkire, E. C., and Blase, assignors.)
San Germán, Fernando, Habana, Cuba, assignor to Automatic Computing Cash Register Corporation. Automatic computing and registering machine. 2,297,369; Sept. 29.
Sato, Shinzaburo, Kojimachi-Ku, Tokyo, Japan; vested in the Alien Property Custodian. Tension apparatus. 2,297,250; Sept. 29.
Saval, Joseph A., Jamaica, assignor to Joseph Arouaner, Inc., New York, N. Y. Spring assembling machine. 2,296,878; Sept. 29.
Sbicca, Frank, Philadelphia, Pa. Shoe. 2,297,027; Sept. 29.
Schafer, Conrad B. (See Kirkman, P. J., and Schafer.)
Scheldorf, Marvel W., Schenectady, N. Y., assignor to General Electric Company. Wide-band antenna array. 2,297,329; Sept. 29.
Schenck, Charles. (See Greenwell, N., and Schenck.)
Schild, Karl, Berlin-Tempelhof, Germany; vested in the Alien Property Custodian. Device for measuring displacements with carrier frequency. 2,297,251; Sept. 29.
Schlage Lock Company. (See Schlage, Walter R., assignor.)
Schlage, Walter R., Burlingame, assignor to Schlage Lock Company, San Francisco, Calif. Door lock. 2,297,077; Sept. 29.
Schlatter, Carl. (See Davis, I. P., and Schlatter.)
Schlichter, Frederick W., assignor to The Hamilton Tool Company, Hamilton, Ohio. Drill press. 2,297,078; Sept. 29.
Schlumberger Well Surveying Corporation. (See Leonardon, Eugene G., assignor.)
Schmidberger, Heinrich, Vienna, Germany; vested in the Alien Property Custodian. Operation of fully automatic presses for artificial substance. 2,297,505; Sept. 29.
Schmidt, Fritz, Hamburg-Harburg, Germany; vested in the Alien Property Custodian. Elastic mounting. 2,297,506; Sept. 29.

Schmidt, Heinrich, Niederskunnersdorf, Germany; vested in the Alien Property Custodian. Purification of solutions that serve as generators for percompounds. 2,297,252; Sept. 29.
Schmidt, Johannes. (See Gosslau, F., Schmidt, and Zarnack.)
Schneider, Hans P., Ridgewood, assignor to Herman Schwabe, Inc., New York, N. Y. Heel-nailing machine. 2,296,954; Sept. 29.
Schneider, Wilhelm. (See Buschbeck, W., and Schneider.)
Schneller, Rudy F. (See Fox, A. P., and Schneller.)
Schoepfer, Alfred C., Prudenville, Mich. Bowling ball runway. 2,297,330; Sept. 29.
Scholz, Werner, Berlin, Germany; vested in the Alien Property Custodian. Arrangement for testing the frequency characteristic of electric transmission devices. 2,297,436; Sept. 29.
Schomann, Leonid, Berlin-Sudende, Germany; vested in the Alien Property Custodian. Theodolite, particularly for moving objects. 2,297,507; Sept. 29.
Schorger, Arlie W., Madison, Wis., assignor to Burgess Cellulose Company, Freeport, Ill. Stereotype mat. 2,297,635; Sept. 29.
Schrader, C. A. (See Bowers, Albert L., assignor.)
Schroder, Arthur. (See Henderson, L. M., and Schroder.)
Schroeder, Wilburn C., Hyattsville, and A. A. Berk, Berwyn, Md., assignors to the Government of the United States of America, as represented by the Secretary of the Interior and his successors in office. Protecting boilers and the like against embrittlement. 2,297,670; Sept. 29.
Schüler, Hugo, Siegmar-Schonau, Germany; vested in the Alien Property Custodian. Typewriter and like machine. 2,297,254; Sept. 29.
Schultz, Robert R. (See Lee, Elmer J., assignor.)
Schulze-Herringen, Erich. (See Gutzmann, F., and Schulze-Herringen.)
Schulze-Herringen, Erich, Berlin, and F. Gutzmann, Schoneiche, near Berlin, Germany; vested in the Alien Property Custodian. Phase control in high frequency coupled circuits. 2,297,255; Sept. 29.
Schumann, Winfried O., Munich, Germany; vested in the Alien Property Custodian. Tube control. 2,297,256; Sept. 29.
Schütte, Alfred, Augsburg, Germany; vested in the Alien Property Custodian. Rotor for turbines. 2,297,508; Sept. 29.
Schwabe, Herman, Inc. (See Schneider, Hans P., assignor.)
Schwager, Otto, Munich, Germany; vested in the Alien Property Custodian. Fuel consumption indicating device. 2,297,435; Sept. 29.
Schwartz, Albert E. (See Stahr, Paul, assignor.)
Schwartz, Carl K. (See Brost, R. V., and Schwartz.)
Scotti, Antonio, Schio, Vicenza, Italy; vested in the Alien Property Custodian. Machine for the automatic packing of shuttles and such like tools into cases. 2,297,253; Sept. 29.
Scovill Manufacturing Company. (See Tompkins, E. H., and Hoffman, assignors.)
Secretary of Agriculture of the United States of America, Claude R. Wickard, and his successors in office. (See Hammerstron, H. H., and Davis, assignors.)
Secretary of Agriculture of the United States of America, Claude R. Wickard, and his successors in office. (See Hardesty, J. O., and Ross, assignors.)
Seederer-Kohlbusch, Inc. (See Gattoni, John, assignor.)
Seiberling Latex Products Company. (See Strassman, Otto A., assignor.)
Seitz, Ernest O., and W. Lotz, Hanau-on-the-Main, Germany; vested in the Alien Property Custodian. Alternating current discharge lamp. 2,297,257; Sept. 29.
Seppeler, Eduard. (See Wendt, F., Haug, Kohlbecker, and Seppeler.)
Shakespeare Products Company. (See Gerry, William R., assignor.)
Sheeler, William E., Spring Township, Berks County, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Knitted fabric and article of wearing apparel. 2,297,028; Sept. 29.
Shell Development Company. (See Mazee, Willem M., assignor.)
Shell Development Company. (See Van Melsen, Johannes A., assignor.)
Shell Development Company. (See Wachter, Aaron, assignor.)
Shepherd, Thomas L., Portslade, England, assignor to The Clark Thread Company, Newark, N. J. Rubber products. 2,297,585; Sept. 29.
Shepherd, Vernon V., and O. R. Peugh, Long Beach, assignors to Lane-Wells Company, Los Angeles, Calif. Whipstocking sleeve for drillable liners. 2,297,029; Sept. 29.
Sherka Chemical Co. Inc. (See Pritschow, Karl, assignor.)
Sherwell, Thomas Y., and R. Pennington, assignors to Mather & Platt Limited, Newton Heath, Manchester, England. Flexible coupling. 2,296,955; Sept. 29.
Shipman, Charles W., and R. A. Duncan, Flint, Mich. Mobile crutch. 2,297,173; Sept. 29.
Shonle, Horace A., assignor to Eli Lilly and Company, Indianapolis, Ind. Solution of chemotherapeutic agents in ethylidene glycerol. 2,297,079; Sept. 29.
Shonle, Horace A., and W. J. Doran, assignors to Eli Lilly and Company, Indianapolis, Ind. 1-methylpentyl-p-aminobenzoate. 2,297,080; Sept. 29.
Shreve, Randolph, West La Fayette, Ind., and M. W. Swaney, Elizabeth, N. J., assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Composition for and method of devitalizing microorganisms. 2,297,636; Sept. 29.
Sickinger, William H., assignor to The Malleable Steel Range Manufacturing Company, South Bend, Ind. Stove drawer. 2,296,956; Sept. 29.
Siedle, Arnold D. (See Kitto, W. H., and Siedle.)
Siedle, Arnold D., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,297,370; Sept. 29.
Siedle, Arnold D., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,297,371; Sept. 29.
Silverman, Samuel, Alhambra, Calif. Garbage can holder. 2,297,193; Sept. 29.
Simmons Company. (See Bayer, M. F., and Petersen, assignors.)
Simmons Company. (See Woller, Edward E., assignor.)
Singer Manufacturing Company, The. (See Chason, Daniel H., assignor.)
Singer Manufacturing Company, The. (See Knaus, Nicholaus, assignor.)
Singer Manufacturing Company, The. (See Zonis, Sydney, assignor.)
Singleton, Gray, Fort Meade, Fla. Preparing fruit sirups. 2,297,331; Sept. 29.
Skipper, Edward M. (See Bellezza, R. G., and Skipper.)
Slack, Fred A., Jr., Penn Valley, Pa. Dental impression material and forming same. 2,296,877; Sept. 29.
Slough, Frank D., Mentor, Ohio. Phonograph record rack. 2,297,081; Sept. 29.
Small, Arthur V., Augusta, Kans., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Tube cleaner motor. 2,297,662; Sept. 29.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,297,879; Sept. 29.
Smith, Cornelius P., assignor to The Dow Chemical Company, Midland, Mich. Fastener. 2,296,880; Sept. 29.
Smith, James H., & Sons Corporation. (See Paul, Earl A., assignor.)
Snyder, Elmer L., Spencer, Iowa. Electrically operated tank heater. 2,297,030; Sept. 29.
Societe Generale Des Carburateurs Zenith. (See Gistucci, Paul X. A., assignor.)
Socony-Vacuum Oil Company. (See Fry, W. C., and Hartman, assignors.)
Socony-Vacuum Oil Company. (See Small, Arthur V., assignor.)
Solid Cedar Homes Limited. (See Tarran, Robert G., assignor.)
Solvay Process Company, The. (See Beekhuis, Herman A., Jr., assignor.)
Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Receiving apparatus for train communication systems. 2,297,172; Sept. 29.
Spanner, Hans J., Berlin-Kladow, Germany; vested in the Alien Property Custodian. Discharge device. 2,297,258; Sept. 29.
Spase, Charles B., Nedrow, assignor to W. C. Lipe, Inc., Syracuse, N. Y. Clutch and vibration balancer. 2,296,957; Sept. 29.
Speiser, Victor, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian. Hydrodynamic power transmission. 2,297,259; Sept. 29.
Spencer, Lloyd, assignor to Lane-Wells Company, Los Angeles, Calif. Circulation valve for cement retainers. 2,297,031; Sept. 29.
Square D Company. (See Angst, Walter, assignor.)
Square D Company. (See Lennholm, G. A., and Clark, assignors.)
Squibb, E. R., & Sons. (See Wilen, Frank, assignor.)
Staats, Byron H., assignor of one-half to Grover J. Hornsby, Denver, Colo. Valve. 2,297,082; Sept. 29.
Stahl, Leroy R., Duluth, Minn. Accordion. 2,297,032; Sept. 29.
Stahr, Paul, Long Beach, assignor of 50 per cent to A. E. Schwartz, New York, N. Y. Luminescent composition. 2,297,033; Sept. 29.
Standard Catalytic Company. (See Davis, G. H. B., and Swoope, assignors.)
Standard Railway Devices Company. (See Bonsall, Charles D., assignor.)
Standard Register Company, The. (See Morse, Kenneth P., assignor.)
Standard Stoker Company, The. (See Chalker, Albert R., assignor.)
Stanley, Herbert M., Tadworth, and G. Minkoff, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Production of unsaturated aliphatic aldehydes. 2,296,958; Sept. 29.
Stapelfeldt, Arnold, Berlin, Germany; vested in the Alien Property Custodian. Screw device. 2,297,437; Sept. 29.
Steffensen, Percy L., Cornwall, Pa., assignor to Bethlehem Steel Company. Aerating machine. 2,297,586; Sept. 29.

Stehr, Robert, Gorlitz, Germany; vested in the Alien Property Custodian. Wood pulp grinder. 2,297,438; Sept. 29.
Stern, Josef. (See Nádai, A., and Stern.)
Stevens, Bruce E., Kew Gardens, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulator. 2,297,672; Sept. 29.
Stevens, Bruce E., Kew Gardens, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulator. 2,297,673; Sept. 29.
Stevens, Bruce E., Kew Gardens, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulator. 2,297,674; Sept. 29.
Stevens, Donald R., Wilkinsburg, and J. Livingstone, Pittsburgh, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Separation of phenols and alkylated products thereof. 2,297,538; Sept. 29.
Stevenson, Geoffrey, Brookline, Mass., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Combined seaming and auxiliary mechanism. 2,297,372; Sept. 29.
Stewart, Shelloc M., Laramie, Wyo. Roasting and turning cradle for meat. 2,297,332; Sept. 29.
Stoeckly, Johann J., Tetlow, and W. Linnhoff, Berlin-Lankwitz, Germany; vested in the Alien Property Custodian. Manufacture of artificial silk. 2,297,260; Sept. 29.
Stokes, F. J., Machine Company. (See Westin, Charles J., assignor.)
Stout, S. Sturgis. (See Ladner, L. A., and Bond, assignors.)
Strang, Harry B., West Unity, Ohio. Stenciling machine. 2,297,373; Sept. 29.
Strassman, Otto A., Akron, assignor to Seiberling Latex Products Company, Barberton, Ohio. Method and apparatus for making rubber goods. 2,297,663; Sept. 29.
Streich, Paul B. (See Macdonald, H. G., and Streich.)
Streich, Paul B., Maywood, Ill., assignor to Charles Bruning Company, Inc., New York, N. Y. Paper feed mechanism for printing machines. 2,297,587; Sept. 29.
Strzyzewski, Anton, and H. J. Froehlich, Leuna, Germany; vested in the Alien Property Custodian. Crystallizing urea. 2,297,034; Sept. 29.
Submarine Signal Company. (See Batchelder, Laurence, assignor.)
Sullivan, Frank A., Salem, Mass. Colloid mill. 2,297,637; Sept. 29.
Super Electric Products Corp. (See Lorant, Lionel, assignor.)
Superheater Company, The. (See Gulrl, Howard P., assignor.)
Superheater Company, The. (See Ringel, Charles, assignor.)
Superior Iron Works Company. (See Zimmerman, Frank R., assignor.)
Svec, Frank, La Crosse, Wis. Automatic toilet bowl ventilating system. 2,297,035; Sept. 29.
Svensson, Oskar, Sundbyberg, Sweden. Dissolving hard and difficultly soluble fossil resins, especially copal resins. 2,297,083; Sept. 29.
Swallow, William D., Kansas City, Mo., assignor of twenty-six and two-thirds per cent to G. S. Pelton and H. E. Pelton, Los Angeles, Calif. Electric reciprocating motor. 2,297,084; Sept. 29.
Swaney, Miller W. (See Shreve, R. N., and Swaney.)
Swank Products, Inc. (See Okun, Nathaniel N., assignor.)
Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 2,296,959; Sept. 29.
Swoope, Charles C. (See Davis, G. H. B., and Swoope.)
Symonds, Robert D., Wethersfield, Conn. Zone heating system and valve therefor. 2,297,638; Sept. 29.
Szabó, Adorján E., Budapest, Germany; vested in the Alien Property Custodian. Cutting garments. 2,297,439; Sept. 29.
Szegö, Izso, E. Keszler, and G. Kolozs, Kusnacht, Zurich, Switzerland, and E. Turczay, Budapest, Hungary, assignors to Universag Technische A. G., Glarus, Switzerland. Typewriting machine. 2,296,881; Sept. 29.
Szücs, Ioan, Arad, Rumania; vested in the Alien Property Custodian. Batting reinforced with knitting stitches and a device for preparing same from raw material as it comes from the carding machine. 2,297,440; Sept. 29.
Tabb, Wilfred E., Cleveland Heights, and W. Paul, South Euclid, assignors to Jack & Heints, Inc., Cleveland, Ohio. Wire twisting device. 2,297,174; Sept. 29.
Tackett, James T., Grass Valley, Calif. Safety apparatus for mine vehicles. 2,297,589; Sept. 29.
Tallman, Oscar F., assignor to J. R. Kearney Corporation, St. Louis, Mo. Wire clamp. 2,297,036; Sept. 29.
Talon, Inc. (See Carlile, Alfred E., assignor.)
Talon, Inc. (See Poux, Noel, assignor.)
Tantzen, Robert. (See von Baeyer, H. J. R., Roosenstein, and Tantzen.)
Tarran, Robert G., assignor to Solid Cedar Homes Limited, Kingston-upon-Hull, England. Building or structure. 2,297,175; Sept. 29.
Tartaron, Francis X., A. T. Cole, and J. B. Duke, Mulberry, Fla., assignors to Phosphate Recovery Corporation, Chicago, Ill. Concentrating langbeinite. 2,297,664; Sept. 29.
Tata, Mario C. (See Cotton, R. E., and Tata.)
Tate, Christopher, Malden, assignor to E. H. Tate Company, Boston, Mass. Package of hooks. 2,296,960; Sept. 29.
Tate, E. H., Company. (See Tate, Christopher, assignor.)
Technicolor Motion Picture Corporation. (See Harcus, Wilmore C., assignor.)
Technicolor Motion Picture Corporation. (See Rackett, Gerald F., assignor.)
Technicolor Motion Picture Corporation. (See Whittaker, Lloyed E., assignor.)
Teletype Corporation. (See Goetz, Maurus T., assignor.)
Teletype Corporation. (See Reiber, Albert H., assignor.)
Texas Company, The. (See Goldsby, Arthur R., assignor.)
Thauwald, Peter J., St. Paul, Minn. Shampoo pad. 2,297,639; Sept. 29.
Thiede, Ferdinand C. W. (See Proctor, B. A., and Thiede.)
Thilenius, Rudolf, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian. Preserving fish and similar food products of animal origin. 2,297,441; Sept. 29.
Thode, Adolf, Ihlsee, near Bath Segeberg, Germany; vested in the Alien Property Custodian. Nut locking device. 2,297,261; Sept. 29.
Thomas, John E. (See McDonald, Jesse D., assignor.)
Thompson, Arthur S., Ontario, Calif. Combined automobile chair and bed. 2,297,176; Sept. 29.
Thompson, Elmer O. (See Grimes, D., and Thompson.)
Thompson, Emery O. (See Collis, O. D., Brace, and Thompson.)
Thompson, John S., assignor to Parker Rust Proof Company, Detroit, Mich. Coating. 2,296,884; Sept. 29.
Thompson, Joseph R., assignor to The Hall China Company, East Liverpool, Ohio. Ceramic process. 2,296,961; Sept. 29.
Thompson, Ralph B., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of gasolines. 2,297,114; Sept. 29.
Thor, Fred A. (See Armstrong, A. E., and Thor.)
Tiffany, Frank E., Claremont, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Fruit cutting apparatus. 2,297,177; Sept. 29.
Tingle, Wyatt B., assignor to Tingstol Corporation, Chicago, Ill. Light bulb socket. 2,297,374; Sept. 29.
Tingstol Corporation. (See Tingle, Wyatt B., assignor.)
Tinkle, George F., Sr., and M. D., Dallas, Tex. Necktie fastener. 2,297,590; Sept. 29.
Tinkle, Mildred D. (See Tinkle, George F., Sr., and M. D.)
Titan Valve and Manufacturing Company, The. (See Bondurant, Carlton W., assignor.)
Toennissen, Ernst, Munich, Germany; vested in the Alien Property Custodian. Leather tape drawing frame with drawing guide. 2,297,509; Sept. 29.
Tompkins, Emerson H., Waterbury, and A. C. Hoffman, Millidale, assignors to Scovill Manufacturing Company, Waterbury, Conn. Inhaler container. 2,297,178; Sept. 29.
Tönnies, Hans F., Hamburg-Grossflottbek, Germany; vested in the Alien Property Custodian. Photographic apparatus. 2,297,262; Sept. 29.
Torriani, Luigi, Milan, Italy; vested in the Alien Property Custodian. Electromagnetic ignition device, particularly for internal combustion engines. 2,297,510; Sept. 29.
Torrington, William P. (See Ditto, M. W., and Torrington.)
Toth, Emerick, Cheverly, Md. Crystal bridge circuit for radio amplifiers. 2,296,882; Sept. 29.
Trask, Allen, assignor to Mills Novelty Company, Chicago, Ill. Making inlet valves for refrigerating compressors. 2,296,883; Sept. 29.
Trico Products Corporation. (See Horton, E. C., and Hess, assignors.)
Triman, Eugene L., and L. E. Dettle, assignors to Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonograph. 2,297,085; Sept. 29.
Tuchscherer, Paul, Chemnitz, Germany; vested in the Alien Property Custodian. Producing welts. 2,297,263; Sept. 29.
Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Frequency modulation. 2,296,962; Sept. 29.
Turbett, Forrest L., and G. J. Vahrenkamp, Joplin, Mo., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio. Lead pigment. 2,296,963; Sept. 29.
Turczay, Endre. (See Szegö, I., Keszler, Kolozs, and Turczay.)
Turechek, George F., assignor to Lane-Wells Company, Los Angeles, Calif. Gun perforator cartridge. 2,297,037; Sept. 29.
Turechek, George F., Los Angeles, and W. G. Wellington, San Garbiel, assignors to Lane-Wells Company, Los Angeles, Calif. Gun perforator. 2,297,038; Sept. 29.
Tyler Fixture Corporation. (See Tyler, Jerry, assignor.)
Tyler, Jerry, assignor to Tyler Fixture Corporation, Niles, Mich. Adjustable false bottom. 2,297,115; Sept. 29.
Uhlemann Optical Co. of Illinois. (See Uhlemann, William R., assignor.)
Uhlemann, William R., Evanston, assignor to Uhlemann Optical Co. of Illinois, Chicago, Ill. Eyeglass mounting. 2,297,086; Sept. 29.

Ulbrich, Hans. (See Möbius, W., Hautsch and Ulbrich.)
Union Carbide and Carbon Corporation. (See Young, Lloyd W., assignor.)
Union Switch & Signal Company, The. (See Hines, Claude M., assignor.)
Union Switch & Signal Company, The. (See Sorensen, Andrew J., assignor.)
Union Switch and Signal Company, The. (See Williamson, Arba G., and Arba G., Jr., assignors.)
Union Switch & Signal Company, The. (See Young, H. S., and McCann, assignors.)
United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
United Shoe Machinery Corporation. (See Griswold, S. M., and Nash, assignors.)
United Shoe Machinery Corporation. (See Gross, Charles J., assignor.)
United Shoe Machinery Corporation. (See Nutt, W. H., and Russell, assignors.)
United Shoe Machinery Corporation. (See Roberts, Clifford, assignor.)
United Shoe Machinery Company. (See Ushakoff, Alexis E., assignor.)
United Shoe Machinery Corporation. (See Whitaker, Carl F., assignor.)
United States Rubber Company. (See Buckwalter, Howard M., assignor.)
Universag Technische A. G. (See Szegö, I., Keszler, Kolozs, and Turczay, assignors.)
Universal Atlas Cement Company. (See Friedlaender, William V., assignor.)
Universal Oil Products Company. (See Thompson, Ralph B., assignor.)
Universal Winding Company. (See Hitchcock, Harold W., assignor.)
Universal Winding Company. (See Swanson, Ernest R., assignor.)
Urich, Mike, Hamilton, Ohio. Vehicle suspension device. 2,297,591; Sept. 29.
Ushakoff, Alexis E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for inserting blocks in hollow articles. 2,296,964; Sept. 29.
Vahrenkamp, George J. (See Turbett, F. L., and Vahrenkamp.)
Vance, Robert L., Weehawken, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,296,885; Sept. 29.
Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Furniture construction. 2,297,087; Sept. 29.
Vandervell Products Limited. (See Johnson, Ernest W., assignor.)
Van Dresser Specialty Corporation. (See Van Dresser, W. C., and Merry, assignors.)
Van Dresser, William C., and E. D. Merry, assignors to Van Dresser Specialty Corporation, Detroit, Mich. Upholstery pad support for margins of spring cushion assemblies. 2,297,088; Sept. 29.
Van Meisen, Johannes A., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Reaction of nonconjugated olefinic compounds with α-β-unsaturated carbonylic compounds. 2,297,039; Sept. 29.
Van Roggen, Mathieu. (See Robin, L., and van Roggen.)
Vaughan, Thomas M., Tampa, Fla. Shipping crate. 2,297,333; Sept. 29.
Veneri, Modesto, Sinalunga, Italy; vested in the Alien Property Custodian. Coin-controlled billiard table. 2,297,264; Sept. 29.
Vierling, Oskar. (See Henrich, H. E., and Vierling.)
Vieweger, Martin, Berlin, Germany; vested in the Alien Property Custodian. Lecher wire system. 2,297,266; Sept. 29.
Vogt, Clarence W., Saugatuck-Westport, Conn. Container. 2,297,375; Sept. 29.
Voit, Willy, Stuttgart, Germany; vested in the Alien Property Custodian. Liquid injection pump. 2,297,511; Sept. 29.
Vokes, Cecil G. (See Blanchard, Joseph G., assignor.)
Volk, Alfred, Berlin, Germany; vested in the Alien Property Custodian. Filing system. 2,297,442; Sept. 29.
Von Ardenne, Manfred, Berlin-Lichterfelde, Germany; vested in the Alien Property Custodian. Television image projection system. 2,297,443; Sept. 29.
Von Baeyer, Hans J. R., Berlin, Germany; vested in the Alien Property Custodian. Arrangement for suppressing waves along cable casings. 2,297,512; Sept. 29.
Von Baeyer, Hans J. R., Berlin, Germany; vested in the Alien Property Custodian. Transmission line. 2,297,513; Sept. 29.
Von Baeyer, Hans J. R., H. O. Roosenstein, and R. Tantzen, Berlin, Germany; vested in the Alien Property Custodian. Wave coil having a smoothed characteristic impedance. 2,297,514; Sept. 29.
Von Bronk, Otto, Berlin, Germany; vested in the Alien Property Custodian. Color television receiver. 2,297,444; Sept. 29.
Von Manteuffel, Gert Z., Berlin-Dahlem, Germany; vested in the Alien Property Custodian. Gyroscopic instrument. 2,297,265; Sept. 29.
Von Ottenthal, Rudolf, Berlin, Germany; vested in the Alien Property Custodian. System for landing aircraft. 2,297,515; Sept. 29.
Von Tannenberg, Walter M., Bremen, Germany; vested in the Alien Property Custodian. Connecting structural parts or plates by means of staples. 2,297,267; Sept. 29.
Wachter, Aaron, assignor to Shell Development Company, San Francisco, Calif. Internal corrosion prevention in conduits. 2,297,666; Sept. 29.
Walker, Clinton L., Piedmont, Calif. Internal combustion engine. 2,297,376; Sept. 29.
Walker, Hervey S. (See Flachbarth, Charles, assignor.)
Walker, Hervey S., Ardmore, Pa. Underfloor duct system. 2,297,179; Sept. 29.
Walker, Jay P., assignor of 40 percent to G. O. Marchant, and six percent to C. G. Wells, Tulsa, Okla. Treatment of oil, gas, and water mixtures. 2,297,297; Sept. 29.
Walsh, Edward A., Jamestown, N. Y. Typewriter word counter. 2,297,180; Sept. 29.
Walsh, John C., Joliet, Ill. Truck tail gate spreader. 2,297,089; Sept. 29.
Walter, Leo N., East Chicago, Ind. Can opener. 2,297,592; Sept. 29.
Walter, Ludwig, Berlin, Germany; vested in the Alien Property Custodian. High frequency translating device. 2,297,516; Sept. 29.
Walther, Horst. (See Brautigam, A., Walther, Lang, and Berliu.)
Watts, Vilas E. (See McKesson, C. L., and Watts.)
Wayne Pump Company, The. (See Wild, Otto, Jr., assignor.)
Weaver, John L., San Diego, Calif. Two cycle supercharged opposed gas engine. 2,297,116; Sept. 29.
Weaver, Monte F., Monroe, Mich. Delayed action cam mechanism. 2,297,090; Sept. 29.
Webb, George, assignor to Colt's Fire Arms Manufacturing Company, Hartford, Conn. Breech mechanism for automatic firearms. 2,297,640; Sept. 29.
Webb, Nelson W., Montclair, assignor to Eastwood-Neally Corporation, Belleville, N. J. Unrolling device for Fourdrinier wires. 2,297,593; Sept. 29.
Webber, Joseph T., assignor, by mesne assignments, to Lacey-Webber Co., Kalamazoo, Mich. Apparatus for determining the freezing point of liquids. 2,297,641; Sept. 29.
Weening, Samuel, Tottenville, N. Y. Structural unit. 2,297,040; Sept. 29.
Wegerdt, Fritz, Chemnitz, Germany; vested in the Alien Property Custodian. Shaping machine. 2,297,268; Sept. 29.
Wegerdt, Fritz, Chemitz, Germany; vested in the Alien Property Custodian. Variable speed hydraulic power transmission device. 2,297,518; Sept. 19.
Wellis, Theodor G., assignor to American Window Glass Company, Pittsburgh, Pa. Glass supporting apparatus. 2,297,181; Sept. 29.
Weinberg, Joseph, New York, N. Y. Oversuit. 2,297,117; Sept. 29.
Weinstat, Philip, Allston, Mass. Footwear. 2,297,594; Sept. 29.
Weinstat, Philip, Allston, Mass. Footwear. 2,297,595; Sept. 29.
Weiser, George L. (See Nichols, C. A., and Weiser.)
Weiskopf, Walter H. (See Miller, D., Weiskopf, and Pickworth.)
Weiss, Dewey S., Portland, Oreg. Trailer coupling. 2,297,182; Sept. 29.
Weisenberg, Curt H., St. Albans, N. Y. Pinking and stitching machine. 2,297,334; Sept. 29.
Wellington, Welton G. (See Turechek, G. F., and Wellington.)
Wellington, Welton G., San Gabriel, assignor to Lane-Wells Company, Los Angeles, Calif. Gun perforator. 2,297,041; Sept. 29.
Wells, C. G., et al. (See Walker, Jay P., assignor.)
Wells, Isaac S., Laurel, Miss. Window screen latch. 2,297,091; Sept. 29.
Wendt, Friedrich, J. Haug, K. Kohlbecker, and E. Seppeler, Berlin, Germany; vested in the Alien Property Custodian. Test stand for internal combustion engines. 2,297,269; Sept. 29.
Wenzel, Friedrich, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian. Cutting tool. 2,297,445; Sept. 29.
Werkenthin, Albert, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian. Artificial tooth. 2,297,519; Sept. 29.
Wesseler, William J., East Cleveland, Ohio. Producing knitted fabrics. 2,296,886; Sept. 29.
West, Ernest. (See West, Frederick J., and West.)
West, Frederick, J., and E. West, Miles Platting, Manchester, England, assignors to West's Gas Improvement Company Limited, Manchester, England. Retort discharge mechanism. 2,296,965; Sept. 29.
West, Maxwell A., assignor to Champion, Inc., Portland, Oreg. Screw. 2,296,887; Sept. 29.
West's Gas Improvement Company Limited. (See West, Frederick J., and West, assignors.)
Westerkamp, Hugo, Cologne-Braunsfeld, Germany; vested in the Alien Property Custodian. Connecting film ends. 2,297,270; Sept. 29.

Westerkamp, Hugo, Cologne-Braunsfeld, Germany; vested in the Alien Property Custodian. Galvanoplastic multiplication of sound record bands. 2,297,271; Sept. 29.

Westerkamp, Hugo, Cologne-Braunsfeld, Germany; vested in the Alien Property Custodian. Producing sound films. 2,297,517; Sept. 29.

Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Direct-acting operation check. 2,297,596; Sept. 29.

Westinghouse Automotive Air Brake Company. (See Sanford, R. S., Andree, and Rohrer, Jr., assignors.)

Westinghouse Electric & Manufacturing Company. (See Bryant, Ozro N., assignor.)

Weyenberg, Lionel E., assignor to X-Ray Shoe Fitter, Inc., Milwaukee, Wis. X-ray equipment. 2,297,042; Sept. 29.

Wheaton, Frank H., Jr., assignor to T. C. Wheaton Co., Millville, N. J. Ampoule and making it. 2,297,335; Sept. 29.

Wheaton, T. C., Co. (See Wheaton, Frank H., Jr., assignor.)

Whitaker, Carl F., Beverly, Mass., assignor, to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe sewing machine. 2,296,988; Sept. 29.

White, Charles H., assignor to Deere & Company, Moline, Ill. Planter. 2,297,642; Sept. 29.

White, Jesse M., Philadelphia, Pa. Electrical connector. 2,297,336; Sept. 29.

White, Richard E., assignor to Mission Manufacturing Company, Houston, Tex. Detachable gear head for valves. 2,297,597; Sept. 29.

Whittaker, Lloyd E., North Hollywood Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles (Hollywood), Calif. Composite color photography. 2,297,598; Sept. 29.

Wicks, John, Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,297,092; Sept. 29.

Wieland, Heinrich, München, and W. Konz, Nieder-Ingelheim-on-the-Rhine, Germany; vested in the Alien Property Custodian. Toxiferine, the active principle of calabash-curare, and purifying the same. 2,297,272; Sept. 29.

Wiest, Georg, and H. Hopff, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Production of caprolactam. 2,297,520; Sept. 29.

Wigglesworth, Albert W., Miami Beach, Fla., assignor to Hill-Clarke Machinery Co., Chicago, Ill. Roll grinding machine. 2,297,093; Sept. 29.

Wild, Otto, Jr., Hartford, Conn., assignor, by mesne assignments, to The Wayne Pump Company, Fort Wayne, Ind. Registering and computing mechanism. 2,297,966; Sept. 29.

Wildegans, Erich K., Providence, R. I., assignor to Paul-Robland, Inc. Golf practicing device. 2,297,118; Sept. 29.

Wilen, Frank, Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Effervescent tablet. 2,297,599; Sept. 29.

Wiley, Lee M., Marion, Ind. Process of and apparatus for forming seamless fiber stock containers. 2,296,889; Sept. 29.

Wiley, Otis W., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Making hollow blocks. 2,297,337; Sept. 29.

Wilkie, James W., assignor to Continental Machines, Inc., Minneapolis, Minn. Contour sawing machine. 2,296,967; Sept. 29.

Willard, Charles A., assignor to Fruit Treating Corporation, Orlando, Fla. Fruit treating machine. 2,297,377; Sept. 29.

Williams, Allan E. (See Olstad, M. H., and Williams.)

Williams, Charles W., assignor to American Air Filter Company, Inc., Louisville, Ky. Electric gas cleaner. 2,297,601; Sept. 29.

Williams, John J., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Method of forming metallic closures. 2,297,643; Sept. 29.

Williams, Richard H., Chicago, Ill., assignor to The B. F. Goodrich Company, New York, N. Y. Insulator support. 2,297,600; Sept. 29.

Williams, Rozelle L. (See Rasco, Charles A., assignor.)

Williamson, Arba G., and A. G. Williamson, Jr., Carnegie, assignors to The Union Switch and Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,297,119; Sept. 29.

Williamson, Arba G., Jr. (See Williamson, Arba G., and Arba G., Jr., assignors.)

Willson Products, Inc. (See Willson, Thomas A., assignors.)

Willson, Thomas A., Wyomissing, assignor to Willson Products, Inc., Reading, Pa. Ophthalmic mounting. 2,297,338; Sept. 29.

Wilms, Gustav O., and A. J. Dawe, assignors to Allen-Bradley Company, Milwaukee, Wis. Electromagnetically operated device. 2,297,339; Sept. 29.

Wilson, William H., and G. A. Ordway, Burlington, Vt. Device for gluing multi-ply products. 2,297,120; Sept. 29

Winslow, Albert E., New London, Conn., assignor to Atwood Machine Company. Yarn handling device. 2,297,667; Sept. 29.

Winthrop Chemical Company. (See Pöhls, P., and Mietzsch, assignors.)

Wirz, Herman, Jr., Los Angeles, assignor to Wm. S. Corey, Tujunga, Calif. Utility service clamp. 2,296,968; Sept. 29.

Wise, John A., Rockyford, Alberta, Canada. Animal operated stock-watering trough. 2,297,379; Sept. 29.

Wittenberg, Edward H., assignor to National Pressure Cooker Company, Eau Claire, Wis. Pressure control and indicator gauge. 2,297,378; Sept. 29.

Wittmann, Robert A., Chicago, Ill., assignor to Chicago By-Products Corporation. Liquid responsive system. 2,296,969; Sept. 29.

Wolfe, George H., Brooklyn, N. Y. Fluid mixer. 2,296,970; Sept. 29.

Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Ship berth. 2,297,602; Sept. 29.

Wolman, Karl, Berlin-Grunewald, Germany; vested in the Alien Property Custodian. Impregnation of logs. 2,297,273; Sept. 29.

Wood, Davis M., Tacoma, Wash. Making an adhesive and product thereof. 2,297,340; Sept. 29.

Wood, Davis M., Tacoma, Wash. Making adhesives and product thereof. 2,297,341; Sept. 29.

Woodard Roy S., Springfield, Tenn. Culinary mashing device. 2,297,342; Sept. 29.

Woodworth, John L., Schenectady, N. Y., assignor to General Electric Company. Carrier current control system. 2,297,380; Sept. 29.

Wotschke, Johannes. (See Lehrer, F., and Wotschke.)

Wünsch, Guido, Berlin-Wannsee, Germany; vested in the Alien Property Custodian. Gyroscope. 2,297,274; Sept. 29.

Wylie, Hamilton N., London, England. Ancillary driving motor. 2,297,381; Sept. 29.

X-Ray Shoe Fitter, Inc. (See Weyenberg, Lionel E., assignor.)

Yamasaki, Izue, Fukuoka, Japan, vested in the Alien Property Custodian. Preparing growth promoting vitamin B_2 (vitamin G) by fermentation. 2,297,671; Sept. 29.

Young, Henry S., Wilkinsburg, and R. A. McCann, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,297,121; Sept. 29.

Young, Lloyd W., Scotch Plains, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Plate-riding device. 2,297,343; Sept. 29.

Zadnik, Otto, Stuttgart, Germany; vested in the Alien Property Custodian. Commutator. 2,297,521; Sept. 29.

Zanarini, Giuseppe, Turin, Italy; vested in the Alien Property Custodian. Generation of saw-tooth synchronized voltages. 2,297,522; Sept. 29.

Zarnack, Werner. (See Gosslau, F., Schmidt, and Zarnack.)

Zaug, Emil G. (See Robinson, J., and Zaug.)

Zellbeck, Gustav, and A. Müller, Munich, Germany; vested in the Alien Property Custodian. Hollow blade for exhaust gas turbine rotors. 2,297,446; Sept. 29.

Ziegler, Byron J., Dudley, assignor to American Optical Company, Southbridge, Mass. Making multifocal lenses. 2,297,122; Sept. 29.

Zimmerman, Frank R., Duluth, Minn., assignor to Superior Iron Works Company, Superior, Wis. Dump scow. 2,297,043; Sept. 29.

Zimmermann, Otto. (See Berek, M., Zimmermann, and Kleineberg.)

Zonis, Sydney, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating means for sewing machine looptakers. 2,297,665; Sept. 29.

Zschokke, Arthur J., Huntington Park, assignor to Lane-Wells Company, Los Angeles, Calif. Bullet retainer for gun perforators. 2,296,971; Sept. 29.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF SEPTEMBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Boiler. H. A. Faber. Re. 22,185; Sept. 29.

Brake mechanism. E. E. Van Cleave. Re. 22,190; Sept. 29.

Device for supporting tires in vulcanizers. J. H. Zimmerman. Re. 22,192; Sept. 29.

Heat transfer, Regulating and maintaining. H. R. Minor. Re. 22,188; Sept. 29.

Internal combustion engine. C. B. Merry. Re. 22,186; Sept. 29.

Lubricating composition. C. F. Prutton and A. K. Smith. Re. 22,189; Sept. 29.

Mechanism for measuring instruments, Calculating. P. F. Everitt. Re. 22,184; Sept. 29.

Ores, Gravity separation of. H. H. Wade. Re. 22,191; Sept. 29.

Potteryware, Method and apparatus for manufacturing. W. J. Miller. Re. 22,187; Sept. 29.

LIST OF PLANT INVENTIONS

Plant, Rose. L. Newman. 545; Sept. 29.

LIST OF DESIGN INVENTIONS

Airplane. O. F. Maycen. 133,913; Sept. 29.

Apron, Mechanic's. F. Siegle. 133,954; Sept. 29.

Arm chair and ash receptacle, Combined. H. W. Rosenblum. 133,902; Sept. 29.

Automobile. R. Cadwallader. 133,904–6; Sept. 29.

Badge or similar article. H. J. Ulmer. 133,926; Sept. 29.

Bait or similar article, Artificial. E. L. Jacobs. 133,949; Sept. 29.

Bank or similar article, Savings. O. Landy. 133,951; Sept. 29.

Block, Meat. S. J. Brown. 133,900; Sept. 29.

Bottle. L. J. Cox. 133,946; Sept. 29.

Bracelet. M. Raimond. 133,966; Sept. 29.

Bracket for supporting an outboard motor. J. W. Harvey. 133,909; Sept. 29.

Brooch or similar article. L. H. Astrup. 133,917; Sept. 29.

Brooch or similar article. N. Barbieri. 133,918–19; Sept. 29.

Brooch or similar article. M. Raimond. 133,963; Sept. 29.

Can, Water. B. Robinson. 133,916; Sept. 29.

Chimney, lamp supporting structure, and lamps, Combined. C. K. Lamb. 133,912; Sept. 29.

Clip, Pin. M. Raimond. 133,964; Sept. 29.

Crutch. T. S. Penn. 133,915; Sept. 29.

Dispensing container top. E. M. Houghton. 133,910; Sept. 29.

Dress. R. Caine. 133,958; Sept. 29.

Dress. C. Charles. 133,959–60; Sept. 29.

Dress. M. Parnis. 133,942; Sept. 29.

Earring. M. Raimond. 133,967; Sept. 29.

Fabric, Woven elastic. H. F. Lord. 133,938–9; Sept. 29.

Game board. B. L. Church. 133,945; Sept. 29.

Gas and liquid separator or the like, Combination. E. Gustafsson and J. W. Baur. 133,908; Sept. 29.

Glove. H. Balzano. 133,927–9; Sept. 29.

Grave worker. G. D. Adams. 133,944; Sept. 29.

Handbag. W. Tashman. 133,968; Sept. 29.

Lamp adapter for candlesticks or similar article, Hurricane. C. J. Uhrmann. 133,955–6; Sept. 29.

Lamp, Ultraviolet. T. S. Warren. 133,969; Sept. 29.

Lens, Lamp. R. Cadwallader. 133,907; Sept. 29.

Linoleum or similar article. W. Lynen. 133,952; Sept. 29.

Marker, Vitrified traffic. D. R. Sever and D. J. Renkert. 133,943; Sept. 29.

Necklace. M. Raimond. 133,965; Sept. 29.

Pajamas. W. P. McGrail. 133,932; Sept. 29.

Paper or similar article, Wrapping. L. Medgyes. 133,940; Sept. 29.

Pin, Lapel. C. B. Sparkman. 133,924; Sept. 29.

Pin or similar article. F. L. Landsberg. 133,922; Sept. 29.

Playing cards, Deck of. E. A. Klumpp and N. S. Harris. 133,950; Sept. 29.

Pot, Cooker. A. Barnsteiner. 133,936; Sept. 29.

Ring. S. Rubin. 133,923; Sept. 29.

Rivet iron. J. W. Harrison. 133,931; Sept. 29.

Rug. H. M. King. 133,901; Sept. 29.

Shoe. C. Tweedie. 133,903; Sept. 29.

Siding. C. Beeson. 133,920; Sept. 29.

Siding corner piece. G. W. Strunk and G. Lehr. 133,925; Sept. 29.

Slip. S. Wolf. 133,933–5; Sept. 29.

Smoker, Pylon. J. B. Ladd. 133,911; Sept. 29.

Stand, Engine. L. W. Alfred. 133,957; Sept. 29.

Store front. F. U. Dumas. 133,921; Sept. 29.

Suit. M. Davis. 133,937; Sept. 29.

Tag for an automobile license plate, Year. R. W. Harrison. 133,930; Sept. 29.

Textile fabric. F. C. Green. 133,961–2; Sept. 29.

Tie holder and compass, Combined. L. H. Gross. 133,948; Sept. 29.

Toy missile or similar article. A. G. Grier and F. M. Schubert. 133,947; Sept. 29.

Toy, Novelty. G. L. Phillips. 133,953; Sept. 29.

Typewriting machine. W. J. O'Neil. 133,941; Sept. 29.

Water conduit for tank water heaters, Heat-absorbing. C. H. Morrow. 133,914; Sept. 29.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF SEPTEMBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerator, Magnetic induction. D. W. Kerst. 2,297,305; Sept. 29.
Accordian. L. R. Stahl. 2,297,032; Sept. 29.
Acidic substances from liquid hydrocarbons, Removing. L. M. Henderson and G. W. Ayers, Jr. 2,297,621; Sept. 29.
Acidified diatomaceous earth filter-aid. M. A. Harrison. 2,296,850; Sept. 29.
Acids and olefinic compounds, Conjoint polymerization of dicarboxylic. H. L. Gerhart. 2,297,351; Sept. 29.
Acids of the cyclopentano-polyhydro-phenanthrene-series and their derivatives, Manufacture of carboxylic. R. Oppenauer. 2,297,580; Sept. 29.
Adhesives and product thereof, Making. D. M. Wood. 2,297,340–1; Sept. 29.
Adjustable false bottom. J. Tyler. 2,297,115; Sept. 29.
Adjustable support. H. A. Ricker. 2,297,325; Sept. 29.
Adjustable thermostatic valve. C. W. Bondurant. 2,296,898; Sept. 29.
Aerating machine. P. L. Steffensen. 2,297,586; Sept. 29.
Aerial, Frame. W. Funke, B. Kalz, and H. Johannson. 2,297,466; Sept. 29.
Air pump. G. W. Russell. 2,297,025; Sept. 29.
Aircraft engine. F. Nallinger. 2,297,237; Sept. 29.
Aircraft fuel system. D. Samiran and R. B. Poole. 2,296,876; Sept. 29.
Aircraft motor gearing. F. Gosslau. 2,297,214; Sept. 29.
Aircraft, System for landing. R. von Ottenthal. 2,297,515; Sept. 29.
Aliphatic aldehydes, Production of unsaturated. H. M. Stanley and G. Minkoff. 2,296,958; Sept. 29.
Alloy: *See*—
Aluminum alloy.
Alternating current discharge lamp. E. O. Seitz and W. Lotz. 2,297,257; Sept. 29.
Aluminum alloy. C. M. Moss. 2,296,866; Sept. 29.
Aluminum, Plating of. L. Perner. 2,297,241; Sept. 29.
Amines, Tertiary. L. H. Bock. 2,297,331; Sept. 29.
Amplifier, Signal. K. Brückersteinkuhl. 2,297,456; Sept. 29.
Ampoule and making it. F. H. Wheaton, Jr. 2,297,335; Sept. 29.
Ancillary driving motor. H. N. Wylie. 2,297,381; Sept. 29.
Anemometer. E. M. Ardelt. 2,296,973; Sept. 29.
Angle riveter attachment. J. Nally. 2,297,160; Sept. 29.
Animal operated stock-watering trough. J. A. Wise. 2,297,379; Sept. 29.
Antenna array, Wide-band. M. W. Scheldorf. 2,297,329; Sept. 29.
Antenna insulator. W. Peters. 2,297,430; Sept. 29.
Antenna, Ultra-short wave directive. P. Neidhardt. 2,297,427; Sept. 29.
Apparatus and nozzle construction, Dusting. D. Parker. 2,297,110; Sept. 29.
Apparatus for controlling the proportionate admixture of ingredients with liquids. R. W. Osborne. 2,296,867; Sept. 29.
Apparatus for determining the freezing point of liquids. J. T. Webber. 2,297,641; Sept. 29.
Apparatus for examining ropes. A. Gibson. 2,296,918; Sept. 29.
Apparatus for feeding and controlling the flow of materials from hoppers, chutes, and the like. W. Ross. 2,296,953; Sept. 29.
Apparatus for forming "cloverleaf" rolls. N. R. Erickson. 2,296,912; Sept. 29.
Apparatus for forming concrete domes. L. P. Corbetta. 2,296,984; Sept. 29.
Apparatus for heat treating metallic goods in baths. C. Albrecht. 2,297,447; Sept. 29.
Apparatus for illustrating economic principles. J. D. Mooney. 2,297,011; Sept. 29.
Apparatus for illustrating economics. J. D. Mooney. 2,297,012; Sept. 29.
Apparatus for indicating the approach to the stalled condition of airplanes. F. Hoppe. 2,297,412; Sept. 29.
Apparatus for maintaining the desired temperature of liquids. M. H. Olstad and A. E. Williams. 2,296,946; Sept. 29.
Apparatus for mine vehicles, Safety. J. T. Tackett. 2,297,589; Sept. 29.
Apparatus for mixing viscous material with stock feed. R. A. Nelson. 2,297,069; Sept. 29.
Apparatus for operating flash lights and cameras. E. A. Paul. 2,297,111; Sept. 29.
Apparatus for packaging liquids. R. B. McKinnis. 2,297,190; Sept. 29.
Apparatus for producing artificial materials. J. Dichter. 2,297,459; Sept. 29.
Apparatus for producing metal bodies. R. K. Hopkins. 2,297,560; Sept. 29.
Apparatus for testing gears. O. F. Bauer. 2,296,894; Sept. 29.
Apparatus for transmitting rotary motion. C. A. de Giers. 2,297,610; Sept. 29.
Apparatus for use in glass tempering. A. Quentin. 2,297,246; Sept. 29.
Apparatus to produce bent glass. W. Owen. 2,297,315; Sept. 29.
Applicator, Glue. A. J. Matter. 2,296,861; Sept. 29.
Arch support. E. F. Hansen. 2,297,552; Sept. 29.
Arrangement for suppressing waves along cable casings. H. J. R. von Baeyer. 2,297,512; Sept. 29.
Arrangement for testing the frequency characteristic of electric transmission devices. W. Scholz. 2,297,436; Sept. 29.
Arrangement for the background noiseless production of sound films. W. Dällenbach. 2,297,392; Sept. 29.
Arrester, Lightning. F. X. Rees and F. C. Lavarack. 2,297,323; Sept. 29.
Articles, System of wrapping. W. Rasch and H. Ballerstein. 2,297,432; Sept. 29.
Assembly for graveling, Well bottom. L. A. Layne. 2,297,308; Sept. 29.
Attachment for fishing rods, Counterbalance. V. Monte. 2,297,577; Sept. 29.
Audio amplifier control, Reflex. A. L. Green. 2,296,921; Sept. 29.
Automobile chair and bed, Combined. A. S. Thompson. 2,297,176; Sept. 29.
Automobile frame. E. Almdale. 2,297,123; Sept. 29.
Axle box dust seal. R. S. Parker. 2,297,021; Sept. 29.
Bag filling machine. J. G. F. Augustin. 2,297,382; Sept. 29.
Balance, Precision. J. Gattoni. 2,297,141; Sept. 29.
Band transmission testing circuit. P. Deserno. 2,297,393; Sept. 29.
Banding for tops of desks and other furniture. M. H. Raggio. 2,297,072; Sept. 29.
Barrack, Light-metal. H. Rauchholz. 2,297,247; Sept. 29.
Battery charger. B. F. W. Heyer and C. W. Dalzell. 2,296,924; Sept. 29.
Batting reinforced with knitting stitches and a device for preparing same from raw material as it comes from the carding machine. I. Szücs. 2,297,440; Sept. 29.
Beam for cultivating attachments. G. Karl. 2,297,479; Sept. 29.
Bearing segment for typewriters. J. Krüger. 2,297,420; Sept. 29.
Bearings, Producing compound cast. F. Biedermann. 2,297,385; Sept. 29.
Bed, Hospital. A. Laukhuff. 2,297,105; Sept. 29.
Beet harvesting machine. W. J. Flintjer. 2,297,294; Sept. 29.
Belt shifter. A. Nádai and J. Stern. 2,297,236; Sept. 29.
Berth, Ship. E. E. Wollier. 2,297,602; Sept. 29.
Berth, Ship's. E. Caspary. 2,297,201; Sept. 29.
Beverage mixer. J. Kantor. 2,297,154; Sept. 29.
Bicycle stand. J. H. Horstman. 2,297,624; Sept. 29.
Bird perch cleaner. P. Laux. 2,297,566; Sept. 29.
Biscuit and cooky cutter. H. F. Kors. 2,297,565; Sept. 29.
Bit: *See*—
Cutting bit.
Black-out dimmer. M. Rosenberg. 2,297,168; Sept. 29.
Blade for exhaust gas turbine rotors, Hollow. G. Zellbeck and A. Müller. 2,297,446; Sept. 29.
Block: *See*—
Height block.
Blocks, Making hollow. O. W. Wiley. 2,297,337; Sept. 29.
Blower structure. R. E. Cotton and M. C. Tata. 2,297,049–50; Sept. 29.
Bobbin or sleeve. F. Fallscheer. 2,297,208; Sept. 29.
Boiler: *See*—
Hot water or steam boiler.
Boilers and the like against embrittlement, Protecting. W. C. Schroeder and A. A. Berk. 2,297,670; Sept. 29.
Bomb sight and pilot director. A. Baroni. 2,297,448; Sept. 29.
Bomb sight for airplanes. R. A. Bossi. 2,297,132; Sept. 29.
Boot, Quickly removable. L. H. L'Hollier. 2,297,657; Sept. 29.
Bottom hole choke. E. L. Barker and C. P. Gillespie. 2,297,044; Sept. 29.
Bowling ball runway. A. C. Schoepfer. 2,297,330; Sept. 29.

Box: *See*—
Change box.
Bracket for curtain rods. E. Riley. 2,297,327; Sept. 29.
Brake controlling mechanism for automobiles. P. Sacks and M. M. McCoy. 2,297,076; Sept. 29.
Breech mechanism for automatic firearms. G. Webb. 2,297,640; Sept. 29.
Brush, Strip. C. J. Gross. 2,296,922; Sept. 29.
Brush structure. C. Roberts. 2,296,949; Sept. 29.
Building or structure. R. Tarran. 2,297,175; Sept. 29.
Building structure. N. Greenwell and C. Schenck. 2,297,101; Sept. 29.
Building structure and wall. H. Gunnison. 2,297,056; Sept. 29.
Bullet retainer for gun perforators. A. J. Zschokke. 2,296,971; Sept. 29.
Bun coring machine. J. McDonald. 2,297,158; Sept. 29.
Bus structure, Duct-enclosed. C. W. Attwood. 2,297,279; Sept. 29.
Cabinet for the quick sprouting of soybeans for food. H. H. Hammerstrom and W. B. Davis. 2,296,849; Sept. 29.
Cabinet, shelf, and door, Oven. G. C. Roedl. 2,296,950; Sept. 29.
Cabins in particular for aircraft, Ventilation of altitude. H. Pfan. 2,297,495; Sept. 29.
Cable insulation, Ozone resistant. E. Badum. 2,297,194; Sept. 29.
Cable terminal. F. Gutzmann and E. Schulze-Herringen. 2,297,471; Sept. 29.
Cam mechanism, Delayed action. M. F. Weaver. 2,297,090; Sept. 29.
Camera, Motion picture. F. G. Back. 2,297,603; Sept. 29.
Camera, Photographic. E. Gabler and E. Rall. 2,297,401; Sept. 29.
Camera, Photographic. H. Nerwin. 2,297,494; Sept. 29.
Camera, Photographic. K. Pritschow. 2,297,634; Sept. 29.
Camera, Reflex. K. Nüchterlein. 2,297,428; Sept. 29.
Can opener. L. N. Walter. 2,297,592; Sept. 29.
Canning. C. O. Ball. 2,296,828; Sept. 29.
Carbon collector and commutator for electric machines and apparatus. K. Fleischmann. 2,297,464; Sept. 29.
Carbon resistance tool. L. W. Humfeld. 2,297,303; Sept. 29.
Carbon steel, Brazing high. F. C. Kelley. 2,297,357; Sept. 29.
Carburetor. P. X. A. Gistucci. 2,297,550; Sept. 29.
Carburetor. J. T. W. Moseley. 2,297,109; Sept. 29.
Cardholder, Fingerprint. J. M. Miller. 2,297,066; Sept. 29.
Cardholder for key chains. C. W. Bledsoe. 2,297,285; Sept. 29.
Carrier and display carton for bottles, Collapsible. J. L. Lyons. 2,296,937; Sept. 29.
Carrier current control system. J. L. Woodworth. 2,297,380; Sept. 29.
Cart, Dump. D. A. Beall. 2,297,344; Sept. 29.
Carton. R. E. Lowey. 2,297,571; Sept. 29.
Carton for packaging and carrying blasting caps and the like. A. R. Ely. 2,297,100; Sept. 29.
Cartridge, Expansible. R. C. Pierce. 2,296,947; Sept. 29.
Cartridge, Gun perforator. G. F. Turechek. 2,297,037; Sept. 29.
Casting, Refractory. T. E. Field. 2,297,546; Sept. 29.
Castor pomace, Detoxicating. W. Rudolph. 2,297,503; Sept. 29.
Castor pomace, Detoxication of. W. Rudolph. 2,297,434; Sept. 29.
Cathode. H. Bergar. 2,297,454; Sept. 29.
Cathode, Photoelectric. P. Görlich. 2,297,467; Sept. 29.
Cathode ray tube. H. W. Paehr. 2,297,429; Sept. 29.
Cellulose derivatives and of artificial filaments, films, and other shaped articles therefrom, Manufacture of. L. Lilienfeld. 2,296,856; Sept. 29.
Cellulose of low water content, Making alkali. A. J. Barry. 2,296,829; Sept. 29.
Cement. B. Andersen. 2,296,891; Sept. 29.
Cement coating, Applying. W. V. Friedlaender. 2,297,549; Sept. 29.
Center gauge. C. W. Durham. 2,297,542; Sept. 29.
Centrifugal curb liquid separation. C. A. Olcott. 2,296,945; Sept. 29.
Centrifugal piston clutch. F. Kratzmann. 2,297,480; Sept. 29.
Ceramic articles and making the same, Porous. G. S. Diamond. 2,297,539; Sept. 29.
Ceramic process. J. R. Thompson. 2,296,961; Sept. 29.
Chain slide. N. N. Okun. 2,297,661; Sept. 29.
Chain swivel. J. B. Bambenek. 2,297,277; Sept. 29.
Change box. H. Forsyth. 2,296,989; Sept. 29.
Change forming device. F. Gosslau, J. Schmidt, and W. Zarnack. 2,297,213; Sept. 29.
Chassis frame. C. F. W. Borgward. 2,297,198; Sept. 29.
Chemical treatment of black-liquor and tall oil. J. Ross and J. H. Percy. 2,296,952. Sept. 29.
Chlorinated aliphatic hydrocarbons, Manufacture of. F. W. Kirkbride. 2,297,564; Sept. 29.
Chuck. H. O. Fossum. 2,297,140; Sept. 29.
Cigar container. R. G. Beals. 2,296,830; Sept. 29.
Circuit arrangement, Test. W. M. Hahnemann. 2,297,216; Sept. 29.

Circuit: *See*—
Band transmission testing circuit.
High frequency circuit.
Resonant circuit.
Signal transmission circuit.
Circuit breaker. E. T. Platz. 2,297,320; Sept. 29.
Circuit for radio amplifiers, Crystal bridge. E. Toth. 2,296,882; Sept. 29.
Circuits, Seismic. J. O. Parr, Jr. 2,297,319; Sept. 29.
Circulating fluid washer. J. S. Page. 2,297,020; Sept. 29.
Clamp: *See*—
Guy rod grounding clamp.
Utility service clamp.
Wire clamp.
Clamping member for two-part iron mine stanchions. K. M. Groetschel. 2,297,469; Sept. 29.
Clasp fasteners, Manufacture of nonmetallic sliding. J. Püschner and J. Püschner. 2,297,245; Sept. 29.
Cleaner: *See*—
Bird perch cleaner.
Electric gas cleaner.
Floor cleaner.
Suction cleaner.
Cleaning device. W. C. Grant. 2,296,994; Sept. 29.
Cleansing apparatus. R. H. Sanford. 2,297,171; Sept. 29.
Clothesline fastener. E. Jabs. 2,297,151; Sept. 29.
Clothesline fastener. E. L. Johannsen. 2,296,932; Sept. 29.
Clutch: *See*—
Centrifugal piston clutch.
Liquid clutch.
Clutch and vibrator balancer. C. B. Spase. 2,296,957; Sept. 29.
Coal tar pitch and preparing the same. A. Brautigam, H. Walther, K. F. Lang, and K. Berlin. 2,297,455; Sept. 29.
Coating, Method of. J. S. Thompson. 2,296,884; Sept. 29.
Coil and electrostatic shield, Radio-frequency. R. Lüderitz. 2,297,488; Sept. 29.
Coil having a smoothed characteristic impedance, Wave. H. J. R. von Baeyer, H. O. Roosenstein, and R. Tantzen. 2,297,514; Sept. 29.
Coin-controlled billiard table. M. Veneri. 2,297,264; Sept. 29.
Coin controlled pump. A. R. McKay. 2,297,360; Sept. 29.
Collapsible rack. F. Kramer. 2,297,358; Sept. 29.
Collar attachment. J. Feldbin. 2,297,545; Sept. 29.
Colloid mill. F. A. Sullivan. 2,297,637; Sept. 29.
Color-matching device. C. W. Belden. 2,297,282; Sept. 29.
Color television system. E. Crosby. 2,296,908; Sept. 29.
Commutator. O. Zadnik. 2,297,521; Sept. 29.
Compensator, Backlash. G. Brinkmann. 2,297,047; Sept. 29.
Composition for and method of devitalizing microorganisms. R. Shreve and M. W. Swaney. 2,297,636; Sept. 29.
Composition for waterproofing permeable material. C. F. Fabian and J. B. Lee. 2,297,183; Sept. 29.
Computing and registering machine, Automatic. F. San Germán. 2,297,369; Sept. 29.
Concentrating langbeinite. F. X. Tartaron, A. T. Cole, and J. B. Duke. 2,297,664; Sept. 29.
Concrete floor construction, Reinforced. D. Miller, W. H. Weiskopf, and J. W. Pickworth. 2,296,863; Sept. 29.
Condenser and making the same, Electrolytic. C. M. Blackburn. 2,297,607; Sept. 29.
Condenser: *See*—
Electrolytic condenser.
Liquid cooled condenser.
Condenser, Dry electrolytic. C. M. Blackburn. 2,297,608; Sept. 29.
Conduit assembly, Exhaust. K. Meissner. 2,297,425; Sept. 29.
Conduits or chambers, Preventing shock excitation of acoustic. R. B. Bourne. 2,297,046; Sept. 29.
Connection for cooperation conveyer units, Yieldable. W. J. Flintjer. 2,297,295; Sept. 29.
Connection for mechanical rectifiers, Phase. C. Hahn and W. Feldmann. 2,297,472; Sept. 29.
Connector: *See*—
Electrical connector.
Contact system. K. Glässing and F. Allendorff. 2,297,403; Sept. 29.
Contactor. L. J. Goldberg. 2,297,352; Sept. 29.
Container: *See*—
Cigar container.
Inhaler container.
Pressure container.
Container. S. A. Blackman. 2,297,284; Sept. 29.
Container. W. A. Gueffroy. 2,296,848; Sept. 29.
Container. C. W. Vogt. 2,297,375; Sept. 29.
Container and packaging with same, Lined. R. M. Bergstein. 2,296,895; Sept. 29.
Containers, Making duplex. R. M. Bergstein. 2,296,896; Sept. 29.
Containers, Sterilizing. G. D. Beal. 2,296,974; Sept. 29.
Control disconnect. W. R. Gerry. 2,296,993; Sept. 29.
Control for pressing machines, Humidity. E. Davis. 2,296,910; Sept. 29.
Control for radio receivers, Sensitivity. G. Monti Guarnieri. 2,297,470; Sept. 29.
Control for supercharged engines. A. Müller. 2,297,235; Sept. 29.
Conveyer. W. J. Flintjer. 2,297,296; Sept. 29.

Conveyer. A. J. Mosley. 2,297,632; Sept. 29.
Conveying apparatus. G. Linke and W. Michaelis. 2,297,486; Sept. 29.
Corrosion prevention in conduits, Internal. A. Wachter. 2,297,666; Sept. 29.
Coupler. A. P. Fox and R. F. Schneller. 2,297,548; Sept. 29.
Coupling: *See*—
Flexible coupling. Trailer coupling.
Motor coupling.
Coupling. K. I. and L. R. Robinson. 2,297,167; Sept. 29.
Cover for storage batteries, Cell. G. A. Paddock. 2,297,019; Sept. 29.
Cradle for meat, Roasting and turning. S. M. Stewart. 2,297,332; Sept. 29.
Crate, Shipping. T. M. Vaughan. 2,297,333; Sept. 29.
Crutch, Mobile. C. W. Shipman and R. A. Duncan. 2,297,173; Sept. 29.
Crystalline materials, Granulation of. J. O. Hardestry and W. H. Ross. 2,297,300; Sept. 29.
Current controller, Automatic constant. W. C. Noddings. 2,297,578; Sept. 29.
Current generating device for vehicles. D. Fortin. 2,296,914; Sept. 29.
Cushion, Pneumatic. C. L. Beal. 2,297,127; Sept. 29.
Cutter: *See*—
Biscuit and cooky cutter.
Cutter. R. S. Drummond. 2,297,611; Sept. 29.
Cutting bit. H. M. Morrow. 2,297,362-3; Sept. 29.
Cutting device. S. M. Laschinsky. 2,297,155; Sept. 29.
Cutting tool. F. Wenzel. 2,297,445; Sept. 29.
Cylinder drive mechanism for printing machines. H. G. Macdonald and P. B. Streich. 2,297,513; Sept. 29.
Data transmission system. D. E. Morrison. 2,296,864; Sept. 29.
Delta connection, Heavy duty. H. H. Rudd. 2,297,170; Sept. 29.
Dental impression material and forming same. F. A. Slack, Jr. 2,296,877; Sept. 29.
Device for amplifying direct voltage or current. R. Eberhardt, G. Nüsslein, and H. Rupp. 2,297,543; Sept. 29.
Device for Fourdrinier wires, Unrolling. N. W. Webb. 2,297,593; Sept. 29.
Device for measuring displacements with carrier frequency. K. Schild. 2,297,251; Sept. 29.
Device for receiving, conveying, or transporting bulky objects. H. Buddecke. 2,297,199; Sept. 29.
Device for web drying machines, Drainage. A. E. Armstrong and F. A. Thor. 2,297,094; Sept. 29.
Diarylsulphone derivatives. P. Pöhls and F. Mietzsch. 2,297,024; Sept. 29.
Die: *See*—
Forming die.
Die casting machines, Pneumatically operated. L. A. Catlin and W. H. Cockerill. 2,296,907; Sept. 29.
Dielectric material. A. R. Kemp. 2,296,854; Sept. 29.
Differential mechanism for cash registers. B. Beria. 2,297,383; Sept. 29.
Differential type pneumatic piston pump. A. Boynton. 2,296,835; Sept. 29.
Diolefines from alcohols and aldehydes, Manufacture of. A. Maximoff and O. Canonici. 2,297,424; Sept. 29.
Direct-acting operation check. C. J. Westin. 2,297,596; Sept. 29.
Direct-current insertion. H. E. Goldstine. 2,296,919; Sept. 29.
Direction finding system. F. Janovsky. 2,297,414; Sept. 29.
Direction signal. C. D. Bronson. 2,296,978; Sept. 29.
Directional tuning indicator. A. W. Barber. 2,297,126; Sept. 29.
Discharge device. H. J. Spanner. 2,297,258; Sept. 29.
Discharge mechanism, Retort. F. J. and E. West. 2,296,965; Sept. 29.
Dishwashing and drying apparatus. W. M. Fuchs. 2,297,614; Sept. 29.
Disinfectant and its manufacture. H. Böhler. 2,297,388; Sept. 29.
Disintegrating apparatus. H. L. Mead and E. J. Maust. 2,297,009; Sept. 29.
Disk for radial flow rotary machines, Bladed. U. Meininghaus. 2,296,862; Sept. 29.
Dispenser. D. V. Rowland. 2,297,075; Sept. 29.
Display device, Card. W. I. McCord. 2,297,574; Sept. 29.
Disposal means, Condensate. M. F. Knoy. 2,296,997; Sept. 29.
Distributor, Dual. M. F. Peters and G. F. Blackburn. 2,296,869; Sept. 29.
Division mechanism. A. F. Pott. 2,297,243; Sept. 29.
Door: *See*—
Cabinet, shelf, and door.
Door and the like. R. W. Clark and C. A. Johnson. 2,297,609; Sept. 29.
Door fastener. H. J. Lounsbury. 2,297,007; Sept. 29.
Door lock. W. R. Schlage. 2,297,077; Sept. 29.
Drag preventing means for projectiles. R. E. Bomar. 2,297,130; Sept. 29.
Drain fixture. C. A. Henry. 2,297,060; Sept. 29.
Drawer, Stove. W. H. Sickinger. 2,296,956; Sept. 29.
Drill. J. McClinton. 2,297,157; Sept. 29.
Drill press. F. W. Schlichter. 2,297,078; Sept. 29.
Drive for centrifugal casting machine, Slow motion. S. B. Ritchie. 2,296,875; Sept. 29.
Driving mechanism for air propellers. A. Friedrich. 2,297,400; Sept. 29.
Drying apparatus. B. Offen. 2,297,314; Sept. 29.
Drying machine. R. C. Parkes. 2,297,318; Sept. 29.
Duct system, Underfloor. H. S. Walker. 2,297,179; Sept. 29.
Dump scow. F. R. Zimmerman. 2,297,043; Sept. 29.
Dye, Black trisazo. E. F. Hitch. 2,296,925; Sept. 29.
Dynamoelectric apparatus. A. Fisher. 2,297,350; Sept. 29.
Earth boring tool. C. E. Reed. 2,297,192; Sept. 29.
Earth exploration. W. L. Horner. 2,296,852; Sept. 29.
Edging machine. P. J. Kirkman and C. B. Schafer. 2,296,934; Sept. 29.
Egg cleaning machine. C. J. Morgan. 2,297,067; Sept. 29.
Elastic mounting. F. Schmidt. 2,297,506; Sept. 29.
Electric apparatus. G. Camilli. 2,297,606; Sept. 29.
Electric compensator. L. Batchelder. 2,297,668; Sept. 29.
Electric control system. I. Molnar. 2,296,941; Sept. 29.
Electric filter device. W. Hagen. 2,297,215; Sept. 29.
Electric gas cleaner. C. W. Williams. 2,297,601; Sept. 29.
Electric plug and socket. J. Joyce. 2,297,188; Sept. 29.
Electric reciprocating motor. W. D. Swallow. 2,297,084; Sept. 29.
Electric switch. E. H. Garber. 2,297,402; Sept. 29.
Electric tuning means, Drive for. K. Brandholt. 2,297,389; Sept. 29.
Electric weighing machine. R. S. Bone. 2,296,976; Sept. 29.
Electrical connector. J. M. White. 2,297,336; Sept. 29.
Electrical discharge device. G. Michaelis. 2,297,492; Sept. 29.
Electrical precipitator. C. W. J. Hedberg. 2,297,555; Sept. 29.
Electrical switch. C. A. Fox. 2,296,991; Sept. 29.
Electrical switching device. H. A. Douglas. 2,297,349; Sept. 29.
Electrical transformer. L. Lorant. 2,297,659; Sept. 29.
Electrically heated tool. E. M. Holm. 2,297,103; Sept. 29.
Electrically operated device for transmitting angular movement. A. Krüssmann. 2,297,481; Sept. 29.
Electrode holder. F. Lehrer and J. Wotschke. 2,297,484; Sept. 29.
Electrolytic condenser. P. Robinson and J. Burnham. 2,297,669; Sept. 29.
Electromagnetically operated device. G. O. Wilms and A. J. Dawe. 2,297,339; Sept. 29.
Electron discharge device. R. Vance. 2,296,885; Sept. 29.
Electron tube. G. Baumbach. 2,297,449; Sept. 29.
Elevator control system. J. D. Lewis and W. H. Bruns. 2,297,359; Sept. 29.
Engine: *See*—
Aircraft engine. Two cycle supercharged
Internal combustion engine. opposed gas engine.
Engine control, Pressure fluid. G. J. Hughes. 2,297,355; Sept. 29.
Engine starting mechanism. D. M. Berges. 2,296,975; Sept. 29.
E-caprolactam, Production of. G. Wiest and H. Hopff. 2,297,520; Sept. 29.
Eradicator, Wrinkle. I. D. Brown. 2,296,903; Sept. 29.
Esters and vinyl ester interchange process, Vinyl. L. Coes, Jr. 2,296,837; Sept. 29.
Ethers of hydroxyalkyl amine bases, their salts, and quaternary ammonium compounds. R. Huttenlocher. 2,297,221; Sept. 29.
Evaporator for refrigerating apparatus of the compression type. R. Hintze and P. Pfaff. 2,297,219; Sept. 29.
Explosive, Liquid oxygen. A. R. T. Denues. 2,297,538; Sept. 29.
Eyeglass mounting. W. R. Uhlemann. 2,297,086; Sept. 29.
Fabric and article of wearing apparel, Knitted. W. E. Sheeler. 2,297,028; Sept. 29.
Facet grinding attachment. H. Kousin. 2,297,306; Sept. 29.
Fare indicator. R. Poll. 2,297,431; Sept. 29.
Fastener: *See*—
Clothesline fastener. Necktie fastener.
Door fastener. Safety slide fastener.
Fastener. C. P. Smith. 2,296,880; Sept. 29.
Fastening material, Providing. W. H. Nutt and A. L. Russell. 2,296,942; Sept. 29.
Feed control, Flotation. H. L. Mead and E. J. Maust. 2,297,311; Sept. 29.
Feed interruption device for slides. J. Roloff and H. Hautsch. 2,297,501; Sept. 29.
Feed-water economizer. G. L. Kottes. 2,296,999; Sept. 29.
Fiber stock containers, Process of and apparatus for forming seamless. L. M. Wiley. 2,296,889; Sept. 29.
Fibers and treating same, Cotton. H. M. Buckwalter. 2,297,536; Sept. 29.

Fibers during their manufacture, Insolubilizing protein. A. Ferretti. 2,297,397; Sept. 29.
Fibrous materials, Dewatering of. J. Billing and D. R. Johnston. 2,296,897; Sept. 29.
Filing system. A. Volk. 2,297,442; Sept. 29.
Film ends, Connecting. H. Westerkamp. 2,297,270; Sept. 29.
Film guide. E. A. Anheuser. 2,297,525; Sept. 29.
Film inspecting apparatus. G. Kemna. 2,297,222; Sept. 29.
Films, Producing sound. H. Westerkamp. 2,297,517; Sept. 29.
Finishing process. A. J. Faust. 2,296,840; Sept. 29.
Fire escape. H. D. Elwood. 2,297,544; Sept. 29.
Firearm. E. F. Koehler. 2,296,998; Sept. 29.
Firing system, Gun perforator. R. W. Lohman. 2,297,006; Sept. 29.
Fish and similar food products of animal origin, Preserving. R. Thilenius. 2,297,441; Sept. 29.
Fitting. C. Flachbarth. 2,297,139; Sept. 29.
Flame hardening apparatus. R. O. Day and H. W. Cowin. 2,297,293; Sept. 29.
Flame machine, Portable. A. L. Bowers. 2,296,832; Sept. 29.
Flatiron support mechanism. J. C. Fagan. 2,296,913; Sept. 29.
Flexible coupling. T. Y. Sherwell and R. Pennington. 2,296,955; Sept. 29.
Floor cleaner, Electrically operated. V. G. Magnuson. 2,297,107; Sept. 29.
Floor construction for buildings, Preformed. H. Hasenburger and H. W. Corbett. 2,297,057; Sept. 29.
Fluid meter. C. Hardebeck. 2,297,408; Sept. 29.
Fluid mixer. G. H. Wolfe. 2,296,970; Sept. 29.
Fluid, Nonaqueous drilling. W. M. Mazee. 2,297,660; Sept. 29.
Fluorescent material. A. H. McKeag and P. W. Ranby. 2,297,108; Sept. 29.
Footwear. P. Weinstat. 2,297,594–5; Sept. 29.
Forming die. E. H. Kotcher. 2,297,625; Sept. 29.
Frame: *See*—
Automobile frame. Tractor frame.
Chassis frame.
Frame direction finder with visual indicator, Double. W. Runge. 2,297,249; Sept. 29.
Frame with drawing guide, Leather tape drawing. E. Toenniessen. 2,297,509; Sept. 29.
Framework, Building. H. Hasenburger and H. W. Corbett. 2,297,058; Sept. 29.
Fraud prevention device for meters. H. B. Bell. 2,297,528; Sept. 29.
Free wheeling mechanism. L. Robin and M. van Roggen. 2,297,166; Sept. 29.
Frequency modulation. H. Tunick. 2,296,962; Sept. 29.
Friction part and treating. C. W. Glasson. 2,296,844; Sept. 29.
Fruit cutting apparatus. F. E. Tiffany. 2,297,177; Sept. 29.
Fruit sirups, Preparing. G. Singleton. 2,297,331; Sept. 29.
Fruit treating machine. C. A. Willard. 2,297,377; Sept. 29.
Fuel consumption indicating device. O. Schwager. 2,297,435; Sept. 29.
Fuel control for combustion engines. R. Hartner-Seberich. 2,297,217; Sept. 29.
Fuel injector, Internal combustion engine. O. Fuscaldo. 2,297,399; Sept. 29.
Fuel pump. E. C. Horton and W. C. Hess. 2,297,653; Sept. 29.
Fuel supply for internal combustion engines. F. Neugebauer and A. Lichte. 2,297,238; Sept. 29.
Fungicidal derivatives of acetanthranilic acid. W. F. Hester and W. E. Craig. 2,297,557; Sept. 29.
Furnace discharging device. O. D. Collis, E. C. Brace, and E. O. Thompson. 2,297,289; Sept. 29.
Furniture construction. A. Vanderveld. 2,297,087; Sept. 29.
Galvanoplastic multiplication of sound record bands. H. Westerkamp. 2,297,271; Sept. 29.
Game. J. P. Brown and V. V. Guild. 2,296,904; Sept. 29.
Garbage can holder. S. Silverman. 2,297,193; Sept. 29.
Garment. G. M. Mohler. 2,297,159; Sept. 29.
Garments, Cutting. A. E. Szabó. 2,297,439; Sept. 29.
Gases, Manufacture of industrial. K. Koller and Z. Galocsy. 2,297,227; Sept. 29.
Gasolines, Treatment of. R. B. Thompson. 2,297,114; Sept. 29.
Gauge: *See*—
Center gauge.
Pressure control and indicator gauge.
Gear attachment, Reduction. J. Roloff and H. Hautsch. 2,297,433; Sept. 29.
Gear head for valves, Detachable. R. E. White. 2,297,597; Sept. 29.
Gear shifting mechanism. E. G. Kesling. 2,297,563; Sept. 29.
Gear shifting mechanism. R. S. Sanford, W. J. Andres, and F. F. Rohrer, Jr. 2,297,026; Sept. 29.
Gearing, Planetary. H. J. Andrew. 2,296,892; Sept. 29.
Glass cutting machine. R. H. Houck, J. F. Greene, and O. Behrend. 2,297,149; Sept. 29.
Glass grinding and polishing operations, Recovery of wastes from. R. R. McGregor. 2,297,628; Sept. 29.
Glass supporting apparatus. T. G. Weihs. 2,297,181; Sept. 29.
Glassware forming machine. G. B. Langer. 2,296,935; Sept. 29.
Glide path producing means. E. Kramar. 2,297,228; Sept. 29.
Glow path regulator. A. Gräntzel. 2,297,406; Sept. 29.
Golf practicing device. E. K. Wildegans. 2,297,118; Sept. 29.
Goniometer. K.-G. Holsten. 2,297,476; Sept. 29.
Grappling or pulling tool. A. T. Danielson. 2,297,291; Sept. 29.
Grid controlled amplifying tube. H. Gobrecht. 2,297,404; Sept. 29.
Grinding machine, Centerless. J. E. Bergström. 2,297,045; Sept. 29.
Grinding machine, Crankshaft. F. E. Johnson. 2,297,654; Sept. 29.
Grinding machine, Manhole. A. C. Rohrdanz. 2,297,074; Sept. 29.
Grinding machine, Roll. A. W. Wigglesworth. 2,297,093; Sept. 29.
Grinding mill. F. Conradi. 2,297,391; Sept. 29.
Guide and feed for typewriters, Paper. H. Martin, and L. Gebert. 2,297,490; Sept. 29.
Gum base, Chewing. C. E. Hartwig and B. N. Lougovoy. 2,297,651; Sept. 29.
Gun, bellows type, Pneumatic. A. Boynton. 2,296,834; Sept. 29.
Gun perforator. G. F. Turechek and W. G. Wellington. 2,297,038; Sept. 29.
Gun perforator. W. G. Wellington. 2,297,041; Sept. 29.
Guy rod grounding clamp. D. C. Hubbard. 2,296,927; Sept. 29.
Gyroscope. G. Wünsch. 2,297,274; Sept. 29.
Gyroscopic instrument. G. Z. von Manteuffel. 2,297,265; Sept. 29.
Handwheel and yoke sleeve combination. R. Fennema. 2,297,137; Sept. 29.
Harvester, Peanut. C. G. McLendon. 2,297,065; Sept. 29.
Harvester-sickle driving means. L. A. Paradise and R. L. Anderson. 2,297,317; Sept. 29.
Heater: *See*—
Railway switch heater. Tank heater.
Heater control system, Water. C. M. Osterheld. 2,297,016; Sept. 29.
Heating system and valve therefor, Zone. R. D. Symonds. 2,297,638; Sept. 29.
Heating system, Steam. B. J. Ingram. 2,296,995; Sept. 29.
Heel-nailing machine. H. P. Schneider. 2,296,954; Sept. 29.
Height block. C. E. Lloyd. 2,297,569; Sept. 29.
High frequency circuit. E. Heinecke. 2,297,410; Sept. 29.
Hog scraper-beater. J. Rachford. 2,296,873; Sept. 29.
Hoisting apparatus. C. A. Martin. 2,297,572; Sept. 29.
Holder: *See*—
Electrode holder. Key holder.
Garbage can holder.
Holder for cutter chains, Bit. A. R. Long and J. B. Long. 2,297,570; Sept. 29.
Holder for keys and valuables, Security. H. Mieth. 2,297,312; Sept. 29.
Holster lock. G. G. McMillan. 2,297,008; Sept. 29.
Hook type rotary latch. W. A. Endter. 2,296,988; Sept. 29.
Hooks, Package of. C. Tate. 2,296,960; Sept. 29.
Hot water or steam boiler. E. J. Lee. 2,297,567; Sept. 29.
Hydrocarbon fluids, Separating. W. W. Gary. 2,296,992; Sept. 29.
Hydrometer. J. Z. Hoyer. 2,297,186; Sept. 29.
Hydroplane hull structure. K. M. Brien. 2,296,977; Sept. 29.
Ice breaking and sizing machine. W. W. Bateman and L. B. Barber. 2,297,604; Sept. 29.
Ice formation, Prevent of. E. A. Driscoll. 2,297,540; Sept. 29.
Ignition device, particularly for internal combustion engines, Electromagnetic. L. Torriani. 2,297,510; Sept. 29.
Illuminated sign. H. J. Austin. 2,296,893; Sept. 29.
Illuminated stand. H. R. Parman. 2,297,191; Sept. 29.
Implement, Tractor-attached. J. L. Hipple. 2,297,301; Sept. 29.
Incubator. D. F. Ihler. 2,296,930; Sept. 29.
Incubator, Plant. J. S. Martin. 2,296,860; Sept. 29.
Index and hinge therefor, Memo pad. J. H. Groat and L. L. Adcox. 2,297,145; Sept. 29.
Index means for sound translating. B. A. Proctor. 2,296,871; Sept. 29.
Indicator: *See*—
Directional tuning indicator. Fare indicator.
Indicator for road signaling, Optical. E. Biseo. 2,297,387; Sept. 29.
Indicia in soap, Method of and apparatus for inserting. J., A., and M. M. Garvey. 2,296,842; Sept. 29.
Inhaler container. E. H. Tompkins and A. C. Hoffman. 2,297,178; Sept. 29.

Injector for internal combustion engines. P. L'Orange. 2,297,487; Sept. 29.
Instrument, Air operated. R. L. Mallory. 2,297,361; Sept. 29.
Instrument for measuring elongation. O. Dietrich. 2,297,394; Sept. 29.
Instrument, Measuring. P. W. Crist. 2,297,346; Sept. 29.
Insulator support. R. H. Williams. 2,297,600; Sept. 29.
Internal combustion engine. A. Lichte. 2,297,231; Sept. 29.
Internal combustion engine. C. L. Walker. 2,297,376; Sept. 29.
Joint: *See*—
Rail joint. Universal joint.
Ketones from steroid alcohols, Producing steroid. E. E. Reid. 2,297,367; Sept. 29.
Key holder. R. Reger. 2,297,324; Sept. 29.
Knitted fabrics, Producing. W. J. Wesseler. 2,296,886; Sept. 29.
Lamp: *See*—
Alternating current. discharge lamp. Portable lamp.
Latch: *See*—
Hook type rotary latch. Window screen latch.
Lens, particularly for motor cars, Liquid. L. Neumann. 2,297,240; Sept. 29.
Lenses, Making multifocal. B. J. Ziegler. 2,297,122; Sept. 29.
Light reflecting device. C. P. Molla. 2,297,313; Sept. 29.
Lighting and traffic control system, Airport. T. A. Logan and I. Molnar. 2,296,936; Sept. 29.
Lighting fixture. V. G. Anderson and E. Rambusch. 2,297,124; Sept 29.
Link, Elastic connecting. K. K. Kühne. 2,297,483; Sept. 29.
Liquid clutch. A. Berger. 2,297,196; Sept. 29.
Liquid cooled condenser. W. Buschbeck and W. Schneider. 2,297,200; Sept. 29.
Liquid injection pump. W. Voit. 2,297,511; Sept. 29.
Liquid purifying apparatus. J. Ashworth. 2,296,824; Sept. 29.
Liquid responsive system. R. A. Wittmann. 2,296,969; Sept. 29.
Loading device, Toy log. H. J. Ferri. 2,297,138; Sept. 29.
Lock: *See*—
Door lock. Tie and wheel lock.
Holster lock.
Lock for fish stringer, Slide. H. B. Hickman. 2,297,623; Sept. 29.
Locking device, Nut. A. Thode. 2,297,261; Sept. 29.
Logs, Impregation of. K. Wolman. 2,297,273; Sept. 29.
Loom temple roll. A. E. Benson. 2,297,128; Sept. 29.
Loud-speaker. H. E. Henrich and O. Vierling. 2,297,218; Sept. 29.
Lubricating means for sewing machine looptakers. S. Zonis. 2,297,665; Sept. 29.
Lumber. O. P. M. Goss and W. C. Goss. 2,297,353; Sept. 29.
Luminescent coating. L. F. Britten, H. G. J. Pinner, and A. H. McKeag. 2,297,048; Sept. 29.
Luminescent composition. P. Stahr. 2,297,033; Sept. 29.
Machine for applying cement to flexible strips. J. Janoskovits and W. D. Chilton. 2,297,561; Sept. 29.
Machine for attaching eyelets to wires. C. K. Cooper and D. L. Jones. 2,296,983; Sept. 29.
Machine for coating strips. W. P. Osgood. 2,297,015; Sept. 29.
Machine for cutting arcuate internal grooves in hollow members. W. G. Greve. 2,297,551; Sept. 29.
Machine for inserting blocks in hollow articles. A. E. Ushakoff. 2,296,964; Sept. 29.
Machine for lining the backs of books. J. S. Carlson. 2,296,906; Sept. 29.
Machine for making abrasive disks. F. O. Albertson. 2,296,890; Sept. 29.
Machine for making "Gem" paper clips. F. Magidson. 2,297,156; Sept. 29.
Machine for operating on insoles. S. M. Griswold and R. K. Nash. 2,296,847; Sept. 29.
Machine for operating on ribbon material. S. F. Bauwens. 2,297,096; Sept. 29.
Machine for the automatic packing of shuttles and such like tools into cases. A. Scotti. 2,297,253; Sept. 29.
Machine frame for typewriters. J. Kruger. 2,297,229; Sept. 29.
Magnetic deflecting systems for cathode-ray tubes. J. Günther. 2,297,407; Sept. 29.
Magnifying device. K. Martin, F. Möckel, and W. Kaiser. 2,297,232; Sept. 29.
Manganese ores, Beneficiation of. D. Gardner. 2,296,841; Sept. 29.
Mandrel. J. S. Cushman. 2,297,648; Sept. 29.
Mashing device, Culinary. R. S. Woodward. 2,297,342; Sept. 29.
Mat, Floor. I. F. Kult. 2,297,000; Sept. 29.
Mat, Stereotype. A. W. Schorger. 2,297,635; Sept. 29.
Match book, Safety. J. H. Behan. 2,297,527; Sept. 29.
Material collecting and loading apparatus. T. K. Andersen and T. Andersen. 2,296,827; Sept. 29.
Material handling device. R. W. Kaltenbach. 2,297,356; Sept. 29.
Material handling device. A. E. Rowlands. 2,297,583; Sept. 29.
Measuring device, Distance. E. Brulin. 2,297,534; Sept. 29.
Meat of crustaceans, Obtaining the. W. Henning. 2,297,411; Sept. 29.
Mechanism for driving tandem machines. W. Pechy. 2,296,868; Sept. 29.
Metallic closures, Forming. J. J. Williams. 2,297,643; Sept. 29.
Meter: *See*—
Fluid meter.
Microphone, Condenser. E. Gerlach. 2,297,211; Sept. 29.
Milk products. Heat treating of. C. F. Derleth. 2,297,348; Sept. 29
Mill: *See*—
Colloid mill. Grinding mill.
Mixer: *See*—
Beverage mixer. Fluid mixer.
Mixers, Device for emptying. J. Elrich and G. Elrich. 2,297,463; Sept. 29.
Mold structure, Tire. M. C. Overman. 2,297,017; Sept. 29.
Molding. R. J. Limbert. 2,297,309; Sept. 29.
Motor: *See*—
Ancillary driving motor. Rotary motor.
Electric reciprocating motor. Tube cleaner motor.
Motor-composer unit for refrigerators. R. Hintze. 2,297,220; Sept. 29.
Motor coupling. A. H. Haberstump. 2,297,619; Sept. 29.
Mounting: *See*—
Elastic mounting. Ophthalmic mounting.
Eyeglass mounting.
Mounting for control devices. F. Bielitz and A. Lichte. 2,297,386; Sept. 29.
Mounting for swinging closures, Hinge. W. M. Phelan. 2,297,023; Sept. 29.
Multiple-row planting attachment for tractors. W. S. Graham and F. H. Hand. 2,297,299; Sept. 29.
Multi-ply products, Device for gluing. W. H. Wilson and G. A. Ordway. 2,297,120; Sept. 29.
Napkins, and the like, Manufacture of sanitary. C. G. Joa. 2,296,931; Sept. 29.
Necktie fastener. G. F. Tinkle, Sr., and M. D. Tinkle. 2,297,590; Sept. 29.
Nitroglycerine resistant plastic container. J. M. De Bell. 2,296,911; Sept. 29.
Nitrosyl chloride, Oxidizing. H. A. Beekhuis, Jr. 2,297,281; Sept. 29.
Nozzle, Cooled injection. K. Lorenz. 2,297,421; Sept. 29.
Nozzle, Discharge. F. Neugebauer and K. Meissner. 2,297,239; Sept. 29.
Nut, Lock. D. W. Head. 2,297,102; Sept. 29.
Oil from gas, Separation of. R. H. McKee. 2,297,062; Sept. 29.
Oil, gas, and water mixtures, Treatment of. J. P. Walker. 2,297,297; Sept. 29.
Oil treating, Hydrocarbon. L. M. Henderson and A. Schroder. 2,297,620; Sept. 29.
Oils, Conversion of hydrocarbon. A. R. Goldsby. 2,297,617; Sept. 29.
Oils, Treating. W. C. Fry and B. F. Hartman. 2,297,650; Sept. 29.
Olefinic compounds with α-β-unsaturated carbonylic compounds, Reaction of non-conjugated. J. A. van Melson. 2,297,039; Sept. 29.
1-Methylpentyl-p-Aminobenzoate, H. A. Shonle and W. J. Doran. 2,297,080; Sept. 29.
Operation of vapor generators, Controlling the. G. Decker. 2,297,203; Sept. 29.
Ophthalmic mounting. T. A. Willson. 2,297,338; Sept. 29.
Optical glass. E. Berger and K. Rehm. 2,297,453; Sept. 29.
Optical system for television receivers. F. Okolicsanyi. 2,296,943; Sept. 29.
Ore, Roasting. U. S. Lauber. 2,297,307; Sept. 29.
Organic arsenic compound-bearing lubricants. B. H. Lincoln and G. D. Byrkit. 2,297,658; Sept. 29.
Organic liquids, Distillation of. A. P. Lee. 2,297,004; Sept. 29.
Oscillations, Receiving and reproducing fast. G. Fries. 2,297,398; Sept. 29.
Oscillator, Quartz. E. Heinecke. 2,297,409; Sept. 29.
Overshoe, High. L. H. L'Hollier. 2,297,656; Sept. 29.
Oversult. J. Weinberg. 2,297,117; Sept. 29.
Pad: *See*—
Shampoo pad.
Pallet. J. H. Cruickshank. 2,297,347; Sept. 29.
Panel, Cabinet top. H. E. Brunhoff. 2,296,905; Sept. 29.
Paper and making same, Coated chart. E. C. Alkire and E. F. Blase. 2,296,972; Sept. 29.
Paper feed mechanism for printing machines. P. B. Streich. 2,297,587; Sept. 29.
Parachute pack, Foating. P. Nasca. 2,297,493; Sept. 29.

Particle size grading and product. D. W. Ross. 2,297,169; Sept. 29.
Peas, Treatment of dried. W. Rudolph. 2,297,502; Sept. 29.
Petroleum refining. W. A. Craig and P. C. Rich. 2,297,537; Sept. 29.
Phase control in high frequency coupled circuits. E. Schulze-Herringen and F. Gutzmann. 2,297,255; Sept. 29.
Phenols and alkylated products thereof, Separation of. D. R. Stevens and C. J. Livingstone. 2,297,588; Sept. 29.
Phonograph. E. L. Triman and L. E. Dettle. 2,297,085; Sept. 29.
Phonograph, Magazine. J. F. Offen. 2,297,014; Sept. 29.
Phonograph record rack. F. D. Slough. 2,297,081; Sept. 29.
Phosphate and manufacturing the same, Slow-acting monocalcium. C. H. Milligan. 2,297,630; Sept. 29.
Photograph, Composite color. W. C. Harcus. 2,297,553; Sept. 29.
Photographic apparatus. H. F. Tönnies. 2,297,262; Sept. 29.
Photographic images with the aid of a beam of neutrons as depicting radiation, Device for the production of visible or. H. I. Kallmann and E. Kuhn. 2,297,478; Sept. 29.
Photographic objective. M. Berek, O. Zimmermann, and G. Klieneberg. 2,297,452; Sept. 29.
Photographic sound records, Controlling the exposure of. C. Becker. 2,297,450; Sept. 29.
Photography, Composite color. G. F. Rackett. 2,297,582; Sept. 29.
Photography, Composite color. L. E. Whittaker. 2,297,598; Sept. 29.
Pick-up mechanism. M. E. McClellan. 2,297,310; Sept. 29.
Pigment and making same, Titanium dioxide. B. W. Allan and W. E. Land. 2,297,523; Sept. 29.
Pigment, Lead. F. L. Turbett and G. J. Vahrenkamp. 2,296,963; Sept. 29.
Pinking and stitching machine. C. H. Weissenberg. 2,297,334; Sept. 29.
Pipe replacing apparatus. J. E. Rainwater. 2,297,164; Sept. 29.
Piston. J. S. Donaldson. 2,297,649; Sept. 29.
Piston. P. F. Koch. 2,297,655; Sept. 29.
Piston for combustion power engines. F. R. Dietrich. 2,297,460; Sept. 29.
Piston packing, High pressure hydraulic. G. Farina. 2,297,396; Sept. 29.
Piston ring. A. E. Johnson. 2,297,104; Sept. 29.
Piston ring. H. P. Phillips. 2,297,112–3; Sept. 29.
Planter. C. H. White. 2,297,642; Sept. 29.
Plastic material, Method and apparatus for molding. P. Salvaneschi. 2,297,504; Sept. 29.
Plastic sheets, Process of and apparatus for extruding. J. Bailey. 2,297,645; Sept. 29.
Plastics manufacture. E. C. Pitman. 2,296,948; Sept. 29.
Plate-riding device. L. W. Young. 2,297,343; Sept. 29.
Polishing apparatus. W. Geduhn and L. Petry. 2,297,209; Sept. 29.
Porous materials and making. H. Rudolph. 2,297,248; Sept. 29.
Portable lamp. J. Gould, Jr. 2,297,144; Sept. 29.
Post, Fence. T. Brinson. 2,297,288; Sept. 29.
Potential by induction, Spontaneous. E. G. Leonardon. 2,297,568; Sept. 29.
Potentiometer. M. J. Johnson. 2,297,187; Sept. 29.
Power responsive device. W. Angst. 2,297,644; Sept. 29.
Power supply system. J. Prast. 2,297,498; Sept. 29.
Power transmission device, Variable speed hydraulic. F. Wegerdt. 2,297,518; Sept. 29.
Power transmission, Hydrodynamic. V. Speiser. 2,297,259; Sept. 29.
Press: *See*—
Drill press. Relief printing press.
Press for briquetting fine coal and the like, Circular rolling. W. Pfahl. 2,297,244; Sept. 29.
Press for thermoplastic masses, Squirting. E. Hempel. 2,297,474; Sept. 29.
Presses for artificial substance, Operation of fully automatic. H. Schmidberger. 2,297,505; Sept. 29.
Pressure container. D. E. Larson. 2,297,002; Sept. 29.
Pressure control and indicator gauge. E. H. Wittenberg. 2,297,378; Sept. 29.
Pressure mechanism, Fluid. W. A. Eaton. 2,296,986; Sept. 29.
Pressure regulating valve. H. L. Bohnstedt. 2,297,129; Sept. 29.
Pressure relief valve. D. E. Larson. 2,297,003; Sept. 29.
Printing device. R. M. Dugdale. 2,297,541; Sept. 29.
Printing telegraph apparatus. A. H. Reiber. 2,296,874; Sept. 29.
Product, Laminated. A. Kämpfer. 2,297,417; Sept. 29.
Projecting apparatus. A. Briechle, R. T. Hurley, and G. E. Merritt. 2,296,928; Sept. 29.
Projector. R. V. Brost and C. K. Schwartz. 2,297,532; Sept. 29.
Propeller, Controllable pitch. P. C. Emmons. 2,296,987; Sept. 29.
Protector: *See*—
Well bit protector.
Protein composition and foam abatement. F. C. Atwood. 2,297,125–6; Sept. 29.
Pugmill. R. G. Bellezza and E. M. Skipper. 2,297,646; Sept. 29.
Pump: *See*—
Air pump. Fuel pump.
Coin controlled pump. Liquid injection pump.
Differential type pneumatic piston pump. Self-priming centrifugal pump.
Pump regulation, Fuel. S. Meiswinkel. 2,297,234; Sept. 29.
Pumping apparatus. A. Hollander and V. A. Hoover. 2,297,185; Sept. 29.
Rack: *See*—
Collapsible rack. Phonograph record rack.
Radio direction finding system. D. Erben. 2,297,395; Sept. 29.
Radio equipment, Portable. W. Kuhlmann. 2,297,482; Sept. 29.
Radio frequency switch. P. Ehlert, R. Pehrisch and E. Clasen. 2,297,207; Sept. 29.
Radio transmitter for obtaining course lines. J. Goldmann. 2,297,405; Sept. 29.
Radio tuning control, Automatic. W. L. Jacke. 2,297,152; Sept. 29.
Rail joint. K. L. Johnson. 2,296,853; Sept. 29.
Railway signaling apparatus. C. M. Hines. 2,297,148; Sept. 29.
Railway signaling system. H. S. Young and R. A. McCann. 2,297,121; Sept. 29.
Railway switch heater. T. J. Hegeman. 2,297,059; Sept. 29.
Ranges, Selective filtering of frequency band. H. Bendel, K.-H. Krambeer, and H. Jacoby. 2,297,451; Sept. 29.
Rayon, Producing viscose. H. Fink and G. Plepp. 2,297,613; Sept. 29.
Razor. A. J. Briggs. 2,296,902; Sept. 29.
Receiving apparatus for train communication systems. A. J. Sorensen. 2,297,172; Sept. 29.
Receptacle. W. F. Best. 2,297,097; Sept. 29.
Receptacle for looms, Bobbin. J. C. Cobb and E. P. Floyd. 2,296,982; Sept. 29.
Recorder, Directional drift. P. Jones. 2,296,996; Sept. 29.
Recording and reproducing machine, Sound. F. Pöhlmann. 2,297,242; Sept. 29.
Rectifying column control. S. C. Carney. 2,297,098; Sept. 29.
Refrigerating apparatus. L. A. Philipp. 2,297,633; Sept. 29.
Refrigeration. L. K. Acheson. 2,297,275; Sept. 29.
Refrigeration. J. H. Beach. 2,297,280; Sept. 29.
Refrigeration. G. A. Brace. 2,297,287; Sept. 29.
Refrigeration. W. H. Kitto and A. D. Siedle. 2,296,855; Sept. 29.
Refrigeration. A. D. Siedle. 2,297,370–1; Sept. 29.
Refrigeration. D. G. Smellie. 2,296,879; Sept. 29.
Refrigerator. R. Hintze and A. Engelmann. 2,297,475; Sept. 29.
Refrigerator. G. C. Mitchell. 2,297,631; Sept. 29.
Refrigerator. F. D. Peltier. 2,297,581; Sept. 29.
Refrigerator. T. W. Rundell. 2,297,584; Sept. 29.
Refrigerator car construction. C. D. Bonsall. 2,296,899–900; Sept. 29.
Register, Autographic. K. P. Morse. 2,296,865; Sept. 29.
Registering and computing mechanism. O. Wild, Jr. 2,296,966; Sept. 29.
Regulating device, Water temperature. G. A. and E. Garrett. 2,296,917; Sept. 29.
Regulator: *See*—
Glow path regulator. Voltage regulator.
Releasing attachment for chuck. R. G. Le Tourneau. 2,297,106; Sept. 29.
Relief printing press. S. D. Livingston. 2,297,005; Sept. 29.
Remote control system. D. Grimes and E. O. Thompson. 2,297,618; Sept. 29.
Resins, especially copal resins, Dissolving hard and difficulty soluble fossil. O. Svensson. 2,297,083; Sept. 29.
Resonant circuit. D. E. Foster. 2,296,915; Sept. 29.
Ring: *See*—
Piston ring.
Road machine. J. F. Henry. 2,296,851; Sept. 29.
Rotary motor. F. Berry. 2,297,529; Sept. 29.
Rotor for turbines. A. Schütte. 2,297,508; Sept. 29.
Roughing machine. C. G. Brostrom. 2,296,836; Sept. 29.
Rubber adherent material. E. C. Domm. 2,296,838; Sept. 29.
Rubber goods, Method and apparatus for making. O. A. Strassman. 2,297,663; Sept. 29.
Rubber, Making closed cell. H. Pfleumer. 2,297,022; Sept. 29.
Rubber, Manufacture of slidable. W. Deissner. 2,297,204; Sept. 29.
Rubber or the like, Treatment of. M. W. Ditto and W. P. Torrington. 2,296,826; Sept. 29.
Rubber products. T. L. Shepherd. 2,297,585; Sept. 29.
Rubber thread, Manufacture of. W. P. Herman. 2,297,622; Sept. 29.
Rubberlike compositions, Synthetic. G. F. D'Alelio. 2,297,290; Sept. 29.

Safety slide fastener. A. P. Bloxsom. 2,296,831; Sept. 29.
Sagger. A. R. Book. 2,297,286; Sept. 29.
Saw filing device. B. F. Milano. 2,297,010; Sept. 29.
Sawing machine, Contour. J. W. Wilkie. 2,296,967; Sept. 29.
Scaffolding support. C. M. Padgett. 2,297,316; Sept. 29.
Scale. M. H. Hansen. 2,296,923; Sept. 29.
Screw. M. A. West. 2,296,887; Sept. 29.
Screw device. A. Stapelfeldt. 2,297,457; Sept. 29.
Seal, Fluid. F. A. Huhn and C. Kreemke. 2,297,477; Sept. 29.
Sealing device. H. Hornschuch. 2,297,302; Sept. 29.
Seaming and auxiliary mechanism, Combined. G. Stevenson. 2,297,372; Sept. 29.
Seat. E. Komenda. 2,297,224; Sept. 29.
Seat ring for rotary valves. N. B. Newton. 2,297,161; Sept. 29.
Self-priming centrifugal pump. H. E. La Bour. 2,297,001; Sept. 29.
Sewing machine, Zigzag. W. Bölter. 2,297,197; Sept. 29.
Shampoo pad. P. J. Thauwald. 2,297,639; Sept. 29.
Shaping machine. F. Wegerdt. 2,297,268; Sept. 29.
Sharpening device for the rotating sickle knife of cigarette rod machines. P. L. Graupner. 2,297,468; Sept. 29.
Shear. F. L. Hoess. 2,297,559; Sept. 29.
Sheet handling apparatus for rolling mills. F. H. Fanning. 2,297,184; Sept. 29.
Sheet metal, Uniting. O. Kleinschmit. 2,297,223; Sept. 29.
Shell. A. B. Carmichael. 2,296,980; Sept. 29.
Shifting device for stepped gear drives. W. Möbius, H. Hautsch, and H. Ulbrich. 2,297,422; Sept. 29.
Shock absorber. E. W. Johnson. 2,297,562; Sept. 29.
Shoe. F. Sbicca. 2,297,027; Sept. 29.
Shoe for surface finishing apparatus, Backing. B. F. Fowler. 2,296,990; Sept. 29.
Shoe sewing machine. C. F. Whitaker. 2,296,888; Sept. 29.
Shotgun sight. G. H. McLean. 2,297,575; Sept. 29.
Sign: *See*—
  Illuminated sign.
Signal: *See*—
  Direction signal. Speed warning signal.
Signal transmission circuit. E. D. Goodale. 2,296,920; Sept. 29.
Signaling system. K. Mullerheim. 2,297,068; Sept. 29.
Silencer. J. G. Blanchard. 2,297,530; Sept. 29.
Silk, Manufacture of artificial. J. J. Stoeckly and W. Linnhoff. 2,297,260; Sept. 29.
Skate auxiliary, Roller. J. Robinson and E. G. Zaug. 2,297,328; Sept. 29.
Ski and like, Water. C. Pomilio. 2,297,496; Sept. 29.
Sleeve for drillable liners, Whipstocking. V. V. Shepherd and O. R. Peugh. 2,297,029; Sept. 29.
Slide fastener manufacture. N. J. Poux. 2,297,070; Sept. 29.
Sliders for slide fasteners. A. E. Carlile. 2,296,825; Sept. 29.
Sludge from sewage putrefactible, Rendering alkaline. K. Behringer. 2,297,195; Sept. 29.
Slug casting machine quadding and centering device. H. D. Reese and C. S. Edwards. 2,297,073; Sept. 29.
Socket and its attachment to the root ends of airscrew blades, spars, struts, or the like. V. H. German. 2,297,142; Sept. 29.
Socket assembly. R. A. Funk. 2,297,615–16; Sept. 29.
Socket device, Duplex plug-in. A. M. Draving. 2,296,839; Sept. 29.
Socket, Light bulb. W. B. Tingle. 2,297,374; Sept. 29.
Sofa-bed. M. F. Bayer and J. S. Petersen. 2,297,526; Sept. 29.
Solution of chemotheraptutic agents in ethylidene glycerol. H. A. Shonle. 2,297,079; Sept. 29.
Solutions that serve as generators for percompounds, Purification of. H. Schmidt. 2,297,252; Sept. 29.
Sound recording and reproducing. B. A. Proctor and F. C. W. Thiede. 2,296,870; Sept. 29.
Sound recording and reproducing apparatus. B. A. Proctor. 2,296,872; Sept. 29.
Speed control apparatus, Automatic variable. H. J. Byrne. 2,296,979; Sept. 29.
Speed mechanism, Variable. R. J. Ifield. 2,296,929; Sept. 29.
Speed warning signal. K. Meer. 2,297,233; Sept. 29.
Speedometer controlled speed governor. S. Florio. 2,297,053; Sept. 29.
Spinner for the hubs of airscrews. W. Müller-Keuth and E. Engert. 2,297,226; Sept. 29.
Splined connection. P. Burger. 2,297,390; Sept. 29.
Sponge rubber and making same. R. L. Overstreet. 2,297,018; Sept. 29.
Spraying process and apparatus. M. Popoff. 2,297,497; Sept. 29.
Spreader. M. L. Dake. 2,296,909; Sept. 29.
Spring assembling machine. J. A. Saval. 2,296,878; Sept. 29.
Spring suspension for road vehicles. K. Froehlich. 2,297,465; Sept. 29.
Sprinkler head. F. and G. Ferrando. 2,297,052; Sept. 29.
Spur, Climbing. H. T. Detering. 2,297,136; Sept. 29.
Stable vitamin C and preparing the same. H. Gockel. 2,297,212; Sept. 29.
Stabilized mineral matter and preparing the same. C. L. McKesson and V. E. Watts. 2,297,063; Sept. 29.
Staking machine. L. A. Ladner and W. G. Bond. 2,297,189; Sept. 29.
Stand: *See*—
  Bicycle stand. Illuminated stand.
Stand for internal combustion engines, Test. F. Wendt, J. Haug, K. Kohlbecker, and E. Seppeler. 2,297,269; Sept. 29.
Steam heating apparatus. R. B. Prentice. 2,297,071; Sept. 29.
Steam injector, Exhaust. R. D. and J. C. Metcalfe. 2,296,940; Sept. 29.
Stenciling machine. H. B. Strang. 2,297,373; Sept. 29.
Stereoscopic apparatus. C. A. Rasco. 2,297,322; Sept. 29.
Stoker mechanism. A. R. Chalker. 2,297,134; Sept. 29.
Strip or ribbon making method and apparatus. F. J. Rippl and E. B. Isaac. 2,297,368; Sept. 29.
Stripe device for circular knitting machines, Wrap. V. L. Jansson. 2,297,304; Sept. 29.
Structural device. L. Burkhardt. 2,297,133; Sept. 29.
Structural parts of plates by means of staples, Connecting. W. M. Von Tannenberg. 2,297,267; Sept. 29.
Structural unit. S. Weening. 2,297,040; Sept. 29.
Structure, Hinged. J. J. Meyer and F. A. Jones. 2,297,629; Sept. 29.
Structure, Valved nonoverfill. O. O. Rieser. 2,297,326; Sept. 29.
Structures from zanthates, Making artificial. L. Lilienfeld. 2,296,857; Sept. 29.
Substance, Dyed. B. Gáspár. 2,296,843; Sept. 29.
Substances or bodies by means of neutrons and X-rays, Examination of. H. I. Kallmann. 2,297,416; Sept. 29.
Suction cleaner. Q. Berg. 2,297,283; Sept. 29.
Suction cleaner. F. L. Pierce. 2,297,366; Sept. 29.
Support: *See*—
  Adjustable support. Insulator support.
  Arch support. Scaffolding support.
Support for jacks, Adjustable base. P. M. Hermann. 2,297,556; Sept. 29.
Surround for projected images. A. Bowen. 2,297,345; Sept. 29.
Switch: *See*—
  Electrical switch. Toy railroad track switch.
  Radio frequency switch.
Switch. R. E. Bassett, Jr. 2,297,095; Sept. 29.
Switch and mounting therefor, Selective. E. G. Henry. 2,297,652; Sept. 29.
Switch for electromagnetically operated devices, Auxiliary. L. H. Matthias. 2,297,423; Sept. 29.
Swivels in link chain structures, Producing. J. B. Bambenek. 2,297,278; Sept. 29.
Synthesis of carbon-halogenated alkyl amines. H. B. Hass and H. C. Huffman. 2,297,147; Sept. 29.
T connection, Cross. F. G. Brotz. 2,297,533; Sept. 29.
Table: *See*—
  Coin-controlled billiard table.
Table extension. D. H. Chason. 2,297,647; Sept. 29.
Tablet, Effervescent. F. Wilen. 2,297,599; Sept. 29.
Tank heater, Electrically operated. E. L. Snyder. 2,297,030; Sept. 29.
Telegraph transmitting system. M. T. Goetz. 2,296,845; Sept. 29.
Telephone calling dial. H. W. Goff. 2,296,846; Sept. 29.
Telephone system. J. E. Ostline. 2,297,365; Sept. 29.
Telephone system. J. Wicks. 2,297,092; Sept. 29.
Television and like system. C. L. Faudell. 2,297,612; Sept. 29.
Television device. A. Rappold. 2,297,500; Sept. 29.
Television device, Color. O. von Bronk. 2,297,444; Sept. 29.
Television image projection system. M. von Ardenne. 2,297,443; Sept. 29.
Television power supply. D. E. Foster and J. A. Rankin. 2,297,547; Sept. 29.
Television receiver. P. Deserno and M. Messner. 2,297,205; Sept. 29.
Television receiver. F. Okolicanyi. 2,296,944; Sept. 29.
Television system, Color. E. I. Anderson. 2,297,524; Sept. 29.
Television transmission system. W. Dillenburger. 2,297,461; Sept. 29.
Television transmitter. A. Rappold. 2,297,499; Sept. 29.
Tension apparatus. S. Sato. 2,297,250; Sept. 29.
Tent. R. H. Hunter. 2,297,150; Sept. 29.
Textile fiber, Nitrogenous. G. Donagemma. 2,297,206; Sept. 29.
Textile material, Treated. I. P. Davis and C. Schlatter. 2,297,135; Sept. 29.
Textiles, Steaming. H. Langen. 2,297,230; Sept. 29.
Theodolite, particularly for moving objects. L. Schomann. 2,297,507; Sept. 29.
Thread-controlling mechanism for overedge sewing machines. N. Knaus. 2,297,061; Sept. 29.
Tire and wheel lock. H. W. Norberg. 2,297,579; Sept. 29.
Tire casings, Treading. P. E. Hawkinson. 2,297,354; Sept. 29.
Tobacco guiding machine. K. A. Körber. 2,297,419; Sept. 29.

Tool: *See*—
  Carbon resistance tool. Electrically heated tool.
  Cutting tool. Grappling or pulling tool.
  Earth boring tool.
Toolholder, Floating. W. McKinley. 2,297,064; Sept. 29.
Tooth, Artificial. A. Werkenthin. 2,297,519; Sept. 29.
Toxiferine, the active principle of calabash-curare, and purifying the same. H. Wieland and W. Konz. 2,297,272; Sept. 29.
Toy driving wheel. C. Markes. 2,297,489; Sept. 29.
Toy railroad track switch. J. L. Bonanno. 2,297,131; Sept. 29.
Tracer and self-destroying device. H. M. Brayton. 2,296,901; Sept. 29.
Tractor, Caterpillar. A. Lentz. 2,297,485; Sept. 29.
Tractor frame. R. G. Le Tourneau. 2,296,859; Sept. 29.
Tractor planter. B. R. Benjamin. 2,297,384; Sept. 29.
Traffic controlling apparatus, Railway. A. G. Williamson and A. G. Williamson, Jr. 2,297,119; Sept. 29.
Trailer coupling. D. S. Weiss. 2,297,182; Sept. 29.
Transformer. G. Camilli. 2,297,605; Sept. 29.
Translating device, High frequency. L. Walter. 2,297,516; Sept. 29.
Transmission and/or the reception of electromagnetic waves. W. Dällenbach, H. Collenbusch, and W. Püpp. 2,297,202; Sept. 29.
Transmission line. H. J. R. von Baeyer. 2,297,513; Sept. 29.
Tray, Flexible. C. K. Garrison. 2,297,054; Sept. 29.
Tray, Ice. R. Hintze. 2,297,558; Sept. 29.
Troweling mechanism for pipe coating apparatus. A. G. Perkins. 2,297,163; Sept. 29.
Truck and trailer, Combined. G. L. Larison. 2,296,858; Sept. 29.
Truck for toy railroad cars. C. V. Giaimo. 2,297,143; Sept. 29.
Truck tail gate spreader. J. C. Walsh. 2,297,089; Sept. 29.
T's of metal tubing, Making. C. A. Nichols and G. L. Weiser. 2,297,013; Sept. 29.
Tube: *See*—
  Cathode ray tube. Grid controlled amplifying
  Electron tube. tube.
Tube band. C. Ringel. 2,297,165; Sept. 29.
Tube cleaner motor. A. V. Small. 2,297,662; Sept. 29.
Tube control. W. O. Schumann. 2,297,256; Sept. 29.
Tube supporting band, Unitary. H. P. Guirl. 2,297,146; Sept. 29.
Tubing. W. Jahn and W. Luder. 2,297,413; Sept. 29.
Tubular composite metal bodies, Manufacturing. E. Meier, Jr. 2,297,491; Sept. 29.
Tunnel lining machine. J. M. Crom. 2,297,099; Sept. 29.
Turbine, Gas. E. Gente. 2,297,210; Sept. 29.
Twisting machine. A. R. Grad. 2,297,055; Sept. 29.
Two cycle supercharged opposed gas engine. J. L. Weaver. 2,297,116; Sept. 29.
Typewriter and like machine. H. Schüler. 2,297,254; Sept. 29.
Typewriter word counter. E. A. Walsh. 2,297,180; Sept. 29.
Typewriting machine. I. Szego, E. Keszler, G. Kolozs, and E. Turczay. 2,296,881; Sept. 29.
Universal joint. J. Buchhart. 2,297,457; Sept. 29.
Upholstery pad support for margins of spring cushion assemblies. W. C. Van Dresser and E. D. Merry. 2,297,088; Sept. 29.
Urea, Crystallizing. A. Strzyzewski and H. J. Froehlich. 2,297,034; Sept. 29.
Utility service clamp. H. Wirz, Jr. 2,296,968; Sept. 29.
Valve: *See*—
  Adjustable thermostatic valve. Pressure regulating valve.
  Pressure relief valve.
Valve. L. T. Miller. 2,297,576; Sept. 29.
Valve. B. H. Staats. 2,297,082; Sept. 29.
Valve converting system and excitation apparatus therefor, Electric. S. P. Nixdorff. 2,297,364; Sept. 29.
Valve for cased wells, Input air or gas control. A. Boynton. 2,296,833; Sept. 29.
Valve for cement retainers, Circulation. L. Spencer. 2,297,031; Sept. 29.
Valve for prime movers, Governing. O. N. Bryant. 2,297,535; Sept. 29.
Valve mechanism for steam plants. R. Köller. 2,297,418; Sept. 29.
Valve operating electromagnet. G. A. Lennholm and G. H. Clark. 2,297,626; Sept. 29.
Valves for refrigerating compressors, Making inlet. A. Trask. 2,296,883; Sept. 29.
Vehicle body. L. C. Freeman. 2,297,298; Sept. 29.
Vehicle body part and forming same. E. Komenda. 2,297,225; Sept. 29.
Vehicle suspension device. M. Urich. 2,297,591; Sept. 29.
Venetian blind. L. K. Loehr. 2,297,627; Sept. 29.
Ventilating device, Automatic toilet bowl. F. Svec. 2,297,035; Sept. 29.
Vitamin B_2 (vitamin G) by fermentation, Preparing growth promoting. I. Yamasaki. 2,297,671; Sept. 29.
Voltage regulator. B. E. Stevens. 2,297,672–4; Sept. 29.
Voltages, Generation of saw-tooth synchronized. G. Zanarini. 2,297,522; Sept. 29.
Washer: *See*—
  Circulating fluid washer.
Water cooled braking. C. A. Olcott. 2,297,162; Sept. 29.
Water-dispersable lecithin. S. Jordan. 2,296,933; Sept. 29.
Water entry into oil wells, Method and apparatus for determining the point of. M. E. Chun. 2,296,981; Sept. 29.
Wax containing oils, Producing pour inhibitors for. G. H. B. Davis and C. C. Swoope. 2,297,292; Sept. 29.
Welding. C. Hardy and R. L Patterson. 2,297,554; Sept. 29.
Welding appliance. G. Heim. 2,297,473; Sept. 29.
Welding rod and manufacturing welding rods. A. R. Lytle. 2,296,938; Sept. 29.
Well bit protector. T. E. McMahan. 2,296,939; Sept. 29.
Well, Scenic. J. Johnson. 2,297,153; Sept. 29.
Wells, Producing. P. Tuchscherer. 2,297,263; Sept. 29.
Wheel: *See*—
  Toy driving wheel.
Wheel for telegraph apparatus, Type. M. Dressler. 2,297,462; Sept. 29.
Whipstock. J. Johnson. 2,297,415; Sept. 29.
Wild grass root and grass extracting tool and hoe, Combined. N. Gamburg. 2,296,916; Sept. 29.
Winding machine. H. W. Hitchcock. 2,296,926; Sept. 29.
Winding machine. E. R. Swanson. 2,296,959; Sept. 29.
Window and car construction. M. M. Dean. 2,297,051; Sept. 29.
Window installation. C. T. Cresswell. 2,296,985; Sept. 29.
Window screen latch. I. S. Wells. 2,297,091; Sept. 29.
Wire clamp. O. F. Tallman. 2,297,036; Sept. 29.
Wire system, Lecher. M. Vieweger. 2,297,266; Sept. 29.
Wire twisting device. W. E. Tabb. 2,297,174; Sept. 29.
Wood pulp grinder. R. Stehr. 2,297,438; Sept. 29.
Wrapper, Commodity. S. and M. Rosen. 2,296,951; Sept. 29.
X-ray equipment. L. E. Weyenberg. 2,297,042; Sept. 29.
Yarn handling device. A. E. Winslow. 2,297,667; Sept. 29.
Yarns of artificial textile fiber and natural silk threads, Manufacture of mixed. E. Castelli. 2,297,458; Sept. 29.
Zippers, Device for the manufacture of. K. F. Nägele. 2,297,426; Sept. 29.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 29, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 2: 2,297,223
2,297,267
3: 2,297,096
27: 2,296,942
32: 2,296,954
2— 14: 2,297,338
76: 2,297,159
79: 2,297,117
132: 2,297,545
157: 2,297,590
4— 159: 2,297,639
213: 2,297,035
287: 2,297,060
5— 9: 2,297,201
2,297,602
47: 2,297,526
69: 2,297,105
8—136.5: 2,297,230
142.5: 2,297,536
11— 1: 2,296,906
12— 20: 2,296,847
49.1: 2,296,964
13— 13: 2,297,560
14: 2,297,484
15— 6: 2,297,366
99: 2,297,107
118: 2,296,994
205: 2,296,949
16— 128: 2,297,023
163: 2,297,629
17— 18: 2,296,873
18— 8: 2,297,622
12: 2,297,645
17: Re.22,192
24: 2,297,459
2,297,663
30: 2,296,907
2,297,070
2,297,474
38: 2,297,017
47.5: 2,297,204
2,297,208
48: 2,296,948
2,297,505
48.5: 2,297,517
53: Re.22,188
2,297,018
2,297,022
54: 2,296,856
2,296,857
2,297,260
2,297,397
2,297,613
55: 2,297,248
59: 2,297,245
2,297,309
2,297,354
19— 3: 2,297,458
131: 2,297,509
20— 1: 2,297,058
4: 2,297,056
8: 2,297,057
52: 2,296,985
91: 2,297,353
22— 5.5: 2,297,635
203: 2,297,491
23— 110: 2,297,628
157: 2,297,281
178: 2,297,307
313: 2,297,300
24— 3: 2,297,661
129: 2,296,932
134: 2,297,151
135: 2,296,927
158: 2,297,623
205: 2,296,825
2,296,831
2,296,880
260: 2,297,312

25— 8: 2,296,842
14: 2,297,646
22: Re.22,187
38: 2,297,099
2,297,163
42: 2,297,504
118: 2,296,984
153: 2,297,286
156: 2,296,961
2,297,169
28— 80: 2,297,585
29— 68: 2,296,967
103: 2,297,445
2,297,611
149.5: 2,297,385
156.8: 2,297,142
157: 2,297,013
157.1: 2,296,883
30— 40: 2,296,902
124: 2,297,565
146: 2,297,155
169: 2,297,566
31— 21: 2,297,075
32— 10: 2,297,519
33— 17: 2,297,439
46.5: 2,297,132
2,297,448
48: 2,296,864
52: 2,297,575
69: 2,297,507
70: Re.22,184
75: 2,297,542
148: 2,297,394
168: 2,297,569
179.5: 2,296,894
205.5: 2,296,906
34— 105: 2,297,318
124: 2,297,094
231: 2,297,614
35— 24: 2,297,011
2,297,012
56: 2,297,282
36— 7.3: 2,297,656
11.5: 2,297,595
12: 2,297,594
50: 2,297,657
57: 2,297,027
76: 2,297,552
38— 15: 2,296,910
79: 2,296,913
40— 17: 2,297,285
64: 2,297,574
130: 2,296,893
41— 4: 2,297,066
10: 2,297,153
42— 3: 2,296,998
43— 23: 2,297,577
148: 2,297,110
44— 11: 2,297,244
69: 2,297,114
72: 2,297,666
45— 7: 2,296,956
47— 16: 2,296,849
19: 2,296,860
61: Pl.Pt.545
48— 187: 2,296,970
203: 2,297,227
49— 14: 2,297,181
41: 2,296,935
45: 2,297,246
48: 2,297,149
67: 2,297,315
82: 2,297,337
84: 2,297,335
92: 2,297,417
50— 23: 2,297,129
51— 9: 2,297,373
72: 2,297,654

51— 74: 2,296,934
95: 2,297,093
103: 2,297,045
125: 2,297,306
141: 2,296,990
241: 2,297,074
247: 2,297,468
55— 9: 2,297,065
84: 2,297,479
108: 2,297,294
56— 158: 2,297,317
358: 2,297,310
57— 1: 2,296,918
105: 2,297,250
140: 2,297,135
59— 9: 2,297,278
95: 2,297,277
60— 13: 2,297,235
35.6: 2,297,239
2,297,425
41: 2,297,446
54: 2,297,196
54.5: 2,297,610
62— 4: 2,297,371
5: 2,296,879
2,297,287
2,297,370
17: 2,296,899
2,296,900
89: 2,297,581
2,297,584
2,297,631
108.5: 2,297,558
115: 2,296,997
116: 2,297,475
119.5: 2,296,855
2,297,275
2,297,280
126: 2,297,219
2,297,633
175.5: 2,297,062
64— 1: 2,297,400
11: 2,297,619
21: 2,297,457
23: 2,296,955
66— 84: 2,297,440
96: 2,297,263
135: 2,297,304
172: 2,297,028
195: 2,296,886
67— 29: 2,297,111
69— 1: 2,296,836
70— 259: 2,297,579
72— 16: 2,297,139
2,297,179
40: 2,297,175
41: 2,297,269
71: 2,296,869
73— 51: 2,296,852
2,297,435
2,297,641
152: 2,297,412
202: 2,297,408
228: 2,296,973
272: 2,297,528
74— 5: 2,297,265
2,297,274
100: 2,296,898
189.5: 2,297,259
242: 2,297,236
283: 2,296,966
293: 2,296,929
335: 2,297,563
346: 2,297,026
348: 2,297,422
389: 2,296,875
2,297,214
394: 2,296,892

74— 409: 2,297,047
424.8: 2,297,137
459: 2,297,437
505: Re.22,190
567: 2,297,090
574: 2,296,957
75— 1: 2,296,841
76— 33: 2,297,010
77— 5: 2,297,551
29: 2,297,078
78— 49: 2,297,160
80— 45: 2,297,184
82— 21: 2,297,501
29: 2,297,433
83— 11: 2,297,009
13: 2,297,637
63: 2,297,604
75: 2,297,438
93: 2,297,391
84— 229: 2,297,000
376: 2,297,032
85— 36: 2,297,102
45: 2,296,887
88— 1: 2,297,534
16: 2,297,553
2,297,582
2,297,598
16.2: 2,297,603
16.8: 2,297,222
23: 2,297,428
24: 2,296,928
2,297,345
28: 2,297,532
29: 2,297,322
39: 2,297,232
41: 2,297,086
54: 2,297,122
57: 2,297,240
2,297,452
78: 2,297,313
2,297,387
89— 3: 2,297,640
90— 38: 2,297,268
91— 29: 2,296,890
37: 2,297,209
44: 2,297,561
49: 2,296,861
51: 2,297,015
93— 2: 2,297,432
36.01: 2,296,896
60: 2,296,889
95— 2: 2,296,843
40: 2,297,494
44: 2,297,401
2,297,634
64: 2,297,262
77.5: 2,297,573
2,297,587
97— 50: 2,297,301
62: 2,296,916
99— 2: 2,297,434
2,297,503
11: 2,297,212
93: 2,297,030
104: 2,297,502
111: 2,297,411
135: 2,297,651
155: 2,297,331
182: 2,296,828
2,296,974
195: 2,297,441
101— 219: 2,297,005
336: 2,297,541
102— 1: 2,296,911
25: 2,297,538
50: 2,297,130
60: 2,296,901
63: 2,296,980

103— 16: 2,296,833
41: 2,297,234
2,297,511
113: 2,297,001
2,297,185
152: 2,297,653
162: 2,297,518
232: 2,296,835
270: 2,296,940
106— 40: 2,297,539
54: 2,297,453
57: 2,297,546
146: 2,297,125
2,297,276
2,297,340
2,297,341
151: 2,297,206
160: 2,297,063
179: 2,296,891
268: 2,297,183
297: 2,296,963
300: 2,297,523
107— 8: 2,296,912
110—105.5: 2,297,134
111— 69: 2,297,299
73: 2,297,384
112— 51: 2,296,888
122: 2,297,372
123: 2,297,334
158: 2,297,197
162: 2,297,061
256: 2,297,665
113— 49: 2,297,625
110: 2,297,554
121: 2,297,643
114— 36: 2,297,043
66.5: 2,296,977
115— 25: 2,297,496
116— 35: 2,296,978
117— 21: 2,296,972
26: 2,296,840
37: 2,297,488
54: 2,297,549
117: 2,297,273
130: 2,297,241
119— 37: 2,296,930
75: 2,297,379
121— 71: 2,297,529
164: 2,297,381
122— 225: Re.22,185
2,297,567
448: 2,297,203
123— 3: 2,297,217
21: 2,297,376
47: Re.22,186
56: 2,297,116
119: 2,297,213
2,297,237
2,297,355
139: 2,296,876
2,297,231
2,297,238
179: 2,296,975
193: 2,297,460
124— 11: 2,296,834
128— 76: 2,296,903
200: 2,297,178
204: 2,297,495
129— 1: 2,297,145
16: 2,297,442
133— 11: 2,296,989
135— 1: 2,297,150
136— 178: 2,297,019
2,297,326
137— 53: 2,297,003
2,297,378
139: 2,297,076
2,297,399

137— 2,297,597
140: 2,297,053
153: 2,297,361
2,297,418
156: 2,297,386
138— 56: 2,297,413
139— 255: 2,296,982
296: 2,297,128
140— 3: 2,296,878
82: 2,297,156
119: 2,297,174
141— 9: 2,297,171
144— 281: 2,297,120
146— 106: 2,297,158
133: 2,297,419
160: 2,297,177
173: 2,297,342
198: 2,297,067
202: 2,297,377
148— 2: 2,296,866
4: 2,297,357
6: 2,296,884
6.5: 2,296,844
149— 20: 2,297,189
150— 40: 2,297,324
151— 35: 2,297,261
153— 1: 2,296,983
2,297,426
78: 2,297,055
154— 29: 2,296,931
42: 2,297,270
155— 7: 2,297,176
22: 2,297,173
179: 2,297,127
2,297,224
181: 2,297,068
158— 94: 2,297,059
160— 68: 2,297,627
225: 2,296,905
164— 0.5: 2,296,971
2,297,006
2,297,037
2,297,038
2,297,041
44: 2,297,559
68: 2,297,368
166— 1: 2,297,308
2: 2,297,044
12: 2,297,031
20: 2,297,020
167— 30: 2,297,388
2,297,557
33: 2,297,636
57: 2,297,599
65: 2,297,079
170— 159: 2,297,226
163: 2,296,987
171— 97: 2,297,170
2,297,188
2,297,380
2,297,498
119: 2,297,148
2,297,672
2,297,673
2,297,674
123: 2,297,350
209: 2,297,510
229: 2,297,578
313: 2,296,914
314: 2,296,924
321: 2,297,464
2,297,521
172— 126: 2,297,064
239: 2,297,187
2,297,481
245: 2,297,255
274: 2,297,364
280: 2,297,472

173— 273: 2,297,036
328: 2,296,839
2,297,336
2,297,449
339: 2,297,615
2,297,616
358: 2,297,374
174— 73: 2,297,471
96: 2,297,279
184: 2,297,430
205: 2,297,600
175— 30: 2,297,323
41: 2,297,200
41.5: 2,297,207
182: 2,296,981
2,297,568
183: 2,296,867
2,297,346
2,297,393
2,297,436
315: 2,297,607
2,297,608
2,297,669
336: 2,297,352
341: 2,297,626
358: 2,297,605
2,297,606
361: 2,297,659
375: 2,297,339
176— 122: 2,297,108
124: 2,297,257
2,297,258
177—311.5: 2,297,233
352: 2,296,936
2,297,251
2,297,319
353: 2,296,941
386: 2,297,668
178— 5.4: 2,296,908
2,297,444
2,297,524
5.8: 2,297,205
6.6: 2,297,398
7.1: 2,296,919
7.2: 2,297,456
2,297,461
2,297,499
2,297,500
7.3: 2,297,612
7.5: 2,296,943
2,297,443
7.6: 2,296,944
17: 2,296,845
29: 2,296,874
44: 2,296,882
2,296,920
2,297,215
2,297,266
2,297,451
2,297,512
2,297,513
2,297,514
2,297,516
179— 6: 2,297,085
7.1: 2,297,365
18: 2,297,092

179— 27: 2,297,068
82: 2,297,172
90: 2,296,846
100.2: 2,297,242
100.3: 2,297,302
2,297,450
111: 2,297,211
171: 2,297,543
180— 12: 2,296,859
181— 32: 2,297,218
48: 2,297,046
59: 2,297,530
183— 2.7: 2,297,297
7: 2,297,555
2,297,601
187— 29: 2,297,359
188— 88: 2,297,562
168: 2,297,589
264: 2,297,162
189— 1: 2,297,101
2,297,247
34: 2,297,040
46: 2,297,609
72: 2,297,051
192— 45.1: 2,297,166
85: 2,297,480
194— 6: 2,297,360
10: 2,297,369
195— 42: 2,297,671
196— 8: 2,296,992
28: 2,297,620
29: 2,297,650
30: 2,297,621
82: 2,297,537
50: 2,297,617
76: 2,297,455
197— 41: 2,297,420
48: 2,297,462
63: 2,297,254
84: 2,296,881
138: 2,297,490
186: 2,297,229
198— 21: 2,297,583
47: 2,297,138
76: 2,296,868
162: 2,297,295
174: 2,297,632
199— 50: 2,297,073
200— 20: 2,296,869
52: 2,297,095
2,297,596
87: 2,297,402
202— 40: 2,297,098
46: 2,297,004
204— 5: 2,297,271
28: 2,296,838
84: 2,297,252
158: 2,297,351

204— 163: 2,297,564
206— 29: 2,297,527
65: 2,297,284
79: 2,296,960
209— 3: 2,297,311
39: Re.22,191
167: 2,297,664
170: 2,297,586
247: 2,297,496
210— 2: 2,297,195
23: 2,297,670
75: 2,296,945
130: 2,296,824
199: 2,296,897
211— 40: 2,297,081
85: 2,297,358
126: 2,297,115
212: 2,297,143
214— 16.1: 2,297,199
21: 2,297,289
35: 2,296,965
52: 2,297,356
85: 2,296,858
100: 2,297,572
131: 2,296,827
217— 40: 2,297,333
219— 4: 2,297,473
8: 2,296,938
21: 2,297,103
26: 2,297,303
38: 2,297,030
39: 2,297,016
220— 1: 2,296,848
18: 2,297,002
51: 2,297,592
84: 2,297,097
221— 128: 2,296,953
138: 2,297,642
224— 2: 2,297,008
45: 2,296,937
226— 14: 2,297,253
48: 2,297,382
68: 2,297,190
227— 27: 2,297,136
39: 2,297,544
229— 14: 2,296,895
16: 2,297,133
27: 2,297,571
51: 2,296,830
52: 2,297,100
55: 2,297,375
87: 2,296,951
230— 55: 2,297,025
117: 2,297,049
2,297,050
2,297,283
233: 2,297,220
235— 8: 2,297,383
30: 2,297,431
63: 2,297,243
102: 2,297,180
236— 12: 2,296,917
237— 0: 2,297,638
67: 2,297,071
68: 2,296,995
238— 244: 2,296,853

240— 48.4: 2,297,168
78: 2,297,124
81: 2,297,144
242— 39: 2,296,926
45: 2,296,939
54: 2,297,593
76: 2,297,585
124: 2,297,668
2,297,667
244— 134: 2,297,540
148: 2,297,493
246— 33: 2,297,121
63: 2,297,119
220: 2,297,131
248— 5: 2,297,506
44: 2,297,191
49: 2,297,146
2,297,165
120: 2,297,347
140: 2,297,325
146: 2,297,183
243: 2,297,087
263: 2,297,327
346: 2,297,556
354: 2,297,469
249— 27: 2,296,976
250— 6: 2,296,962
11: 2,297,202
2,297,216
2,297,228
2,297,249
2,297,329
2,297,389
2,297,395
2,297,405
2,297,414
2,297,427
2,297,476
2,297,515
13: 2,297,482
20: 2,296,921
2,297,152
2,297,470
2,297,492
27: 2,297,256
2,297,305
2,297,410
2,297,547
27.5: 2,296,885
2,297,406
2,297,454
2,297,466
33: 2,297,409
2,297,522
40: 2,296,915
2,297,126
53: 2,297,042
65: 2,297,416
71: 2,297,033
81: 2,297,048
156: 2,297,407
162: 2,297,429
165: 2,297,467
172: 2,297,478
174: 2,297,404

281— 27: 2,297,535
113: 2,297,161
282— 8.5: 2,297,660
51: 2,297,658
54: Re.22,189
316: 2,296,933
283— 3: 2,297,662
39: 2,296,862
2,297,508
87: 2,297,210
284— 29: 2,297,164
285— 1: 2,296,939
1.6: 2,297,029
2,297,415
61: 2,297,157
71: 2,297,192
256— 52: 2,297,288
257— 2: 2,296,946
241: 2,297,069
248: 2,296,999
259— 30: 2,297,463
54: 2,297,154
260— 4: 2,296,854
32: 2,296,877
36: 2,297,290
42: 2,297,194
83: 2,296,837
97.5: 2,296,952
99: 2,297,083
171: 2,296,925
233: 2,296,829
236: 2,297,272
239: 2,297,520
397.1: 2,297,580
397.3: 2,297,367
397.6: 2,297,024
424: 2,296,850
471: 2,297,080
537: 2,297,039
555: 2,297,034
563: 2,297,531
583: 2,297,147
584: 2,297,221
601: 2,296,958
624: 2,297,588
671: 2,297,292
681: 2,297,424
767: 2,296,826
261— 41: 2,297,109
50: 2,297,550
262— 2: 2,296,851
12: 2,296,947
33: 2,297,362
2,297,363
2,297,570
263— 3: 2,297,314
47: 2,297,054
264— 9: 2,296,979
265— 25: 2,297,644
46: 2,297,186
54: 2,297,141
63: 2,296,923
266— 4: 2,297,293
2,297,447
23: 2,296,832
2,297,343

267— 57: 2,297,465
273— 3: 2,297,264
35: 2,297,118
47: 2,297,330
152: 2,296,904
274— 9: 2,296,872
10: 2,297,014
12: 2,296,870
2,296,871
275— 2: 2,296,909
2,297,089
277— 20: 2,297,576
279— 9: 2,297,106
16: 2,297,064
66: 2,297,140
280—11.32: 2,297,328
33.17: 2,297,182
95: 2,297,501
106: 2,297,123
2,297,198
301: 2,297,624
282— 5: 2,296,865
285— 106: 2,296,968
159: 2,297,548
210: 2,297,533
286— 6: 2,297,021
7: 2,297,302
2,297,477
287— 52: 2,297,489
75: 2,297,167
85: 2,297,483
104: 2,296,993
119: 2,297,390
292— 145: 2,297,001
214: 2,296,988
241: 2,297,007
337: 2,297,077
294— 1: 2,297,332
118: 2,297,291
296— 14: 2,297,298
137: 2,297,225
298— 5: 2,297,344
299— 58: 2,297,348
64: 2,297,652
107.6: 2,297,421
140: 2,297,497
144: 2,297,082
300— 21: 2,296,922
303— 88: 2,296,986
304— 4: 2,297,316
305— 9: 2,297,485
309— 4: 2,297,655
20: 2,297,649
33: 2,297,396
44: 2,297,113
45: 2,297,104
2,297,112
311— 4: 2,297,647
107: 2,297,072
312— 174: 2,296,950

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,296,838: 204— 28
2,296,850: 260— 424
2,296,859: 180— 12
2,296,860: 47— 19
2,296,886: 66— 195
2,296,890: 91— 29
2,296,891: 106— 179
2,296,905: 160— 225
2,296,907: 18— 30
2,296,956: 45— 7
2,296,970: 48— 187
2,296,979: 264— 9

2,296,984: 25— 118
2,296,990: 51— 141
2,296,992: 196— 8
2,296,993: 287— 104
2,296,999: 257— 248
2,297,002: 220— 18
2,297,033: 250— 71
2,297,108: 176— 122
2,297,125: 106— 146
2,297,138: 198— 47
2,297,154: 259— 54
2,297,155: 30— 146

2,297,166: 192— 45.1
2,297,183: 106— 268
2,297,206: 106— 151
2,297,208: 18— 47.5
2,297,217: 123— 3
2,297,244: 44— 11
2,297,248: 18— 55
2,297,292: 260— 671
2,297,300: 23— 313
2,297,310: 56— 358
2,297,312: 24— 260
2,297,325: 248— 140

2,297,332: 294— 1
2,297,340: 106— 146
2,297,341: 106— 146
2,297,371: 62— 4
2,297,376: 123— 21
2,297,416: 250— 65
2,297,417: 49— 92
2,297,430: 174— 184
2,297,463: 259— 30
2,297,478: 250— 172
2,297,488: 117— 37
2,297,489: 287— 52

2,297,492: 250— 27.5
2,297,496: 115— 25
2,297,502: 99— 104
2,297,531: 260— 563
2,297,534: 88— 1
2,297,539: 106— 40
2,297,560: 13— 13
2,297,561: 91— 44
2,297,564: 204— 163
2,297,565: 30— 124
2,297,572: 214— 100
2,297,574: 40— 64

2,297,575: 33— 52
2,297,585: 28— 80
2,297,591: 280— 95
2,297,592: 220— 51
2,297,596: 200— 52
2,297,627: 160— 68
2,297,632: 198— 174
2,297,658: 252— 51
2,297,661: 24— 3

U. S. GOVERNMENT PRINTING OFFICE: 1942

Patents Nos. 2,294,358 to 2,294,878

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 542—No. 1 TUESDAY, SEPTEMBER 1, 1942 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of September 1, 1942	1
Interference Notice	1
Drawings	1
Notice	1
Photostat Copies	1
Applications Under Examination	2
Decisions of the U. S. Courts—	
In re Young	3
Kroll Brothers Company v. Rolls-Royce, Limited, and Rolls-Royce, Inc.	4
In re Ewald	5
In re Wesselman	7
American Photographic Publishing Co. v. Ziff-Davis Publishing Co.	8
Patent Suits	9
Trade-Marks Published (92 Applications)	11
Trade-Mark Registrations Granted	23
Trade-Mark Registrations Renewed	27
Reissues	31
Plant Patents	33
Patents Granted	32
Designs	157

September 1, 1942

Trade-Marks	92—No.	397,299 to No. 397,390, inclusive.
T. M. Renewals	79	
Reissues	6—No.	22,168 to No. 22,173, inclusive.
Plant Patents	1—No.	544
Patents	521—No.	2,294,358 to No. 2,294,878, inclusive.
Designs	82—No.	133,608 to No. 133,689, inclusive.
Total	781	

Interference Notice

U. S. Patent Office, *Richmond, Va., Aug. 7, 1942.*

The Friedman-Kerr Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of H. H. Schumacher, 361 E. Valley Blvd., Alhambra, Calif., for registration of a trade-mark and trade-mark registered May 29, 1923, No. 168,606, to The Friedman-Kerr Co., 1401–1417 W. Jackson Blvd., Chicago, Ill., and counsel for The Friedman-Kerr Co. having stated that the present address of The Friedman-Kerr Co. is unknown, notice is hereby given that unless the said The Friedman-Kerr Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Drawings

PRECAUTIONS TO BE OBSERVED IN FORWARDING DRAWINGS TO THE UNITED STATES PATENT OFFICE

Where drawings are to be filed in connection with an application for Letters Patent in the United States Patent Office, each sheet, before it can be accepted by the Office as a part of the application must be signed in the name of the inventor at the lower right-hand corner, either by him or by an attorney whose written authorization from the applicant is filed in connection with the application. The signatures should never be written on a line parallel with the longer edges of the sheet, one of the shorter edges being always regarded, for the purpose of locating the signatures, as the lower edge of the sheet. The signatures must all be within the margin of the sheet and below the lines of the drawing. The title of the invention should be written with pencil on the back of each sheet of drawings.

When there are filed on the same day two or more applications by the same inventor, each of the documents and drawings belonging to the same application, should have placed thereon the same letter or number, which should be different from the letter or number placed upon those of any other of the applications.

It is desirable that all parts of the complete application, including the drawings, be deposited in the Office at the same time. Should, however, the other parts of the application be filed before the drawings are sent, the latter when forwarded should be accompanied by a letter stating the number of sheets inclosed, and that the drawings are to be filed with the other parts of the application giving the date at which such other parts were filed in the Office, the name of the inventor, and title of the invention. If the application has received a serial number, that should also be given, and it should be indorsed with pencil on the back of each sheet of drawings. The letter should also state, if such be the case, that the new drawings are to be substituted for those previously filed.

NOTICE

U. S. Patent Office, *Washington, January 28, 1935.*

There appears to be some confusion among attorneys and applicants as to the time within which action must be taken in applications following a decision of the Board of Appeals.

The decision of the Board of Appeals is "an action" in the application, and, in order to save the application from abandonment, amendment must be filed within six months from the date of that decision unless an appeal has been taken to the Court of Customs and Patent Appeals or review of the decision sought by a bill in equity under section 4915.

The Examiner will not notify the applicant of the decision of the Board of Appeals.

CONWAY P. COE,
Commissioner.

Photostat Copies

In ordering photostat copies of United States and foreign patents, when only the number of the patent is given, the whole patent, comprising specification and drawing, will be furnished, unless the order specifically states that the "specification only" or "drawing only" is required. Care should be taken in making out orders for foreign patents to give the year of the patent, as in old French and British patents the same number may appear in different years.

Condition of Applications Under Examination at Close of Business August 15, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,317; Trade-Mark Division, 931. Oldest new case, Oct. 2, 1941; oldest amended, Oct. 11, 1941.)
(The dates given are 1942 except where † indicates 1941)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Domestic Cooking Vessels; Sewerage.	†Dec. 26	Feb. 5	642
2. HERRMANN, D., Fishing and Trapping; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Jan. 27	Jan. 5	510
3. WOLFFE, S. (Acting), Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Jan. 17	Feb. 4	781
4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Feb. 21	Feb. 13	483
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 7	Apr. 11	246
6. GENIESSE, E. W., Carbon Chemistry (part)	†Dec. 8	†Nov. 24	1357
7. JARBOE, C. G., Optics, Photography	†Nov. 18	†Nov. 19	1240
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Jan. 30	Feb. 4	701
9. BENSON, R. B. (Acting), Pumps and Fans; Fluid and Fluid-Current Motors	Feb. 17	Feb. 5	642
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	May 6	May 4	295
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Stop Mechanisms	Feb. 17	Feb. 2	380
13. BORLIK, F. J., Metal Working (part); Gear Cutting, Milling and Planing; Needle and Pin Making	†Nov. 22	†Nov. 15	682
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Mar. 13	Mar. 16	609
15. HENKIN, BENJ., Glass, Plastic Block and Earthenware Apparatus; Plastics	†Dec. 2	†Dec. 3	1164
16. SPENCER, C. J., Telegraphy; Telephony	Jan. 19	Feb. 2	705
17. LEIGHEY, R. A. (Acting), Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	†Oct. 25	†Oct. 29	1021
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	†Dec. 15	†Dec. 8	524
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	†Dec. 8	†Dec. 6	750
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part).	Jan. 28	Apr. 15	356
21. THOMPSON, T. J., Textiles	Mar. 17	Mar. 31	352
22. RINGLE, D., Aeronautics; Firearms; Ordnance and Explosive Devices	†Oct. 30	†Oct. 30	1816
23. BARROWS, B., Cash Registers; Calculators (part)	Jan. 7	†Dec. 15	193
24. KISSINGER, M. C. (Acting), Apparel; Apparel Apparatus; Sewing Machines	Feb. 7	Feb. 6	697
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 19	Mar. 26	291
26. YOUNG, R. R., Electricity—Generation and Motive Power	Jan. 24	Feb. 12	444
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Jan. 9	Jan. 3	353
28. SOLYOM, H. L., Internal-Combustion Engines (part); Cylinders and Pistons	Jan. 8	Jan. 28	245
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Jan. 21	Feb. 20	545
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Apr. 28	May 4	289
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Feb. 16	Feb. 16	1356
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Feb. 21	Feb. 10	819
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	Feb. 9	Feb. 13	663
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Mar. 10	Mar. 28	465
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles	†Nov. 14	†Oct. 13	1009
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Feb. 27	Jan. 14	546
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 2	Apr. 8	410
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Feb. 17	Feb. 25	613
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Apr. 25	Apr. 14	320
40. DRUMMOND, E. J., Receptacles	Jan. 8	Jan. 8	1390
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Feb. 16	Feb. 4	508
42. MARANS, H., Electric Signaling	Feb. 6	Feb. 3	553
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Azo Compounds.	†Oct. 25	†Oct. 11	1007
44. HARVEY, L. P., Refrigeration	Mar. 3	Feb. 16	365
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Feb. 6	Mar. 7	733
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Heating Systems; Coating Apparatus.	†Dec. 18	†Dec. 18	762
47. KANOF, WM. J., Clutches and Power Stops; Brakes; Boring and Drilling; Land Vehicles (part)	Jan. 20	Jan. 21	1098
48. ROEPKE, O. B., Electricity, General Applications; Igniters	†Dec. 11	†Dec. 11	838
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Feb. 13	Feb. 19	590
50. LEVIN, SAMUEL, Resins; Rubber; Carbohydrates and Derivatives	Jan. 15	Jan. 16	1673
51. BACKUS, C. D., Radiant Energy	Mar. 12	Mar. 7	604
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	May 15	Apr. 3	296
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Curtains, Shades and Screens; Cutlery.	Jan. 26	Feb. 21	417
54. STRACHAN, O. W., Electric Lamp and Discharge Devices (part)	Mar. 18	Mar. 26	537
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery	Apr. 18	Apr. 14	200
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Laminated Fabrics (part); Paper Making	†Dec. 16	†Dec. 16	1386
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Mar. 16	Apr. 4	288
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working	May 7	Apr. 20	280
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds; Compositions (part).	†Oct. 2	†Oct. 31	1746
60. GLASS, R. L., Electricity, Heating and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Marine Propulsion; Consumable Electrode Lamp and Discharge Devices.	Mar. 28	Mar. 28	356
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Laminated Electrical Insulation; Belt, Hose, Tire and Ball Making; Boats and Buoys.	†Dec. 11	†Dec. 17	951
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Nov. 13	†Nov. 25	460
63. WINKELSTEIN, A. H., Preserving; Poisons; Fermentation; Foods and Beverages; Proteins; Oils and Fats.	†Nov. 4	†Nov. 6	1321
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Distillation; Fuel	Jan. 22	Jan. 22	1612
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays.	Feb. 5	Jan. 28	483
Trade Marks: RICHMOND, F. A.	July 10	July 23	931
Designs: KALUPY, H. H.	July 11	July 22	349

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Young

No. 4,598. Decided March 23, 1942

[126 F.(2d) 512]

Patentability—Heat Exchanger.

Certain claims to a heat exchanger *Held* unpatentable in view of the prior art.

Appeal from Patent Office. Affirmed.

Mr. A. S. Krotz (*Messrs. Bryant & Lowry* and *Mr. Theodore K. Bryant* of counsel) for Young.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

Bland, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Primary Examiner, rejecting claims 16 and 17 as unpatentable, in view of the prior art, in an application relating to an alleged invention of a heat exchanger for supercharging. Appellant's device is especially adapted for airplanes and the like for cooling the air after it leaves the supercharger and before it reaches the carburetor.

Claim 16 is illustrative of the two claims involved and reads:

16. A device of the class described, comprising a bundle of tubes, said bundle being rectangular in cross-section, tube plates through which the ends of said tubes extend, one or more spaced intermediate support plates through which said tubes extend, covers secured to said tube plates forming headers, one having an inlet and the other having an outlet port, said inlet port adapted to be operatively connected to an air blower and the other port adapted to be operatively connected to the inlet of an internal combustion engine, plates secured to opposite side edges of said intermediate and tube plates and cooperating therewith to form relatively short air ducts through which the tubes extend, and said ducts adapted to have an air blast forced therethrough.

The references relied upon are: Lovekin, 1,139,547, May 18, 1915; Bennett, 1,618,797, February 22, 1927; and Rogers, 2,164,545, July 4, 1939.

Appellant's device comprises a bundle of tubes which are so arranged that the air caused by the movement of the plane will be forced over them. The novelty of appellant's cooling system rests principally in providing an intermediate supporting member which, appellant states, cooperates with other plates in the device "to form short separate air ducts of sufficient strength and length of tube exposure to withstand very high erratic frontal air pressure and extreme operating temperatures."

The Examiner in rejecting the claims as unpatentable over Rogers in view of either Bennett or Lovekin, stated in part (reference numerals omitted):

If Rogers provides the tubes with intermediate support members, he has omitted to show them, but they are a well known expedient in the heat exchange art and are shown in Bennett and in Lovekin, so that it would not be invention to provide them in Rogers. Bennett shows a tube nest through which one fluid flows transversely, combined with an intermediate support which consists of bars secured to the side plates defining the transverse duct, and circular ferrules through which the tubes pass. [Certain] members * * * form effectively a support plate, and an apertured solid plate would involve no invention thereover. Further, Lovekin shows a solid apertured plate * * * of which one or more may be provided in fixed position * * * the intermediate support plate is clearly shown in position to support the tubes against vibration due to impinging steam, weight of the tubes, or other causes.

The Board of Appeals, in affirming the decision of the Examiner rejecting said claims, discussed the references and among other things said (reference characters omitted):

The claims are in quite broad terms merely comprising the elements above noted. The patents to Bennett and Lovekin disclose structures substantially satisfying the terms of the claims in that a like group of tubes extends between headers and with surrounding and support plates in like relation, particularly in Bennett where the device is open on two sides for the passage of fluid transversely of the tubes in order to exchange heat with fluid in the tubes. In Lovekin substantially the same effect is secured except that the tubes are not laterally exposed to the atmosphere but enclosed in a chamber through which one fluid is circulated transversely of the tubes but with a like intermediate support plate * * *. The Examiner has given consideration to the intended use of the device as on an airplane although this is not definitely required by the claims and the patent to Rogers has been cited to show the same combination in an airplane in [the] supercharger, heat exchanger and conduit leading to the carburetor. Rogers apparently satisfies the claims except for the lack of intermediate support plates but, as above discussed, this feature is shown in analogous relation in Lovekin and Bennett.

After careful consideration, it is our view that invention is not involved in the rather broad assertion of these known features where each may produce its intended function and without new or unobvious result. We do not overlook and give due weight to the contention that applicant placed the support plates intermediate the headers for the purpose of preventing vibration of the tubes where exposed to a strong blast of air due to the speed of an airplane. We believe, however, that the function of the support plate is the same in Lovekin and Bennett in preventing movement of the tubes and therefore shown in equivalent relation. Considered as a mechanical construction, it is our view that invention is not involved in the combination defined by the appealed claims over the state of the art.

Lovekin shows a surface condenser. The tubes are supported by end plates. He also shows spacer bars which he calls "an intermediate condenser tube supporting arrangement."

Bennett's heat exchange apparatus also shows tubes supported at their ends. His specification states (omitting reference numerals):

The tubes are supported substantially midway between the tube sheets by a supporting member having openings of substantially the same size as the outside dimensions of the fins.

We have considered all of appellant's arguments but agree with the tribunals below that with the exception of the middle supporting plate above referred to, Rogers substantially meets the claims. His cooling system is used on airplanes. There is no intermediate supporting plate for the tubes in his radiator.

We agree with the tribunals below that it would not amount to invention, in view of the suggestion in the prior art references to do what appellant has done. Appellant may have made an improvement over the prior art in providing a better and more stable air cooler for an airplane where vibration takes place, but we do not think he has done anything more than would be obvious to a skilled mechanic.

Appellant, before the Examiner, filed affidavits

relating to his alleged invention, and from the statement of the Examiner and from appellant's brief it seems that said affidavits related to the "highly successful" nature of the device and to the fact that others were using the same. There are no such affidavits included in the present record, but if there were, the fact that others were using the device would have little, if any, bearing, and the fact that appellant's alleged invention was proving satisfactory would only have bearing in case of doubt. We have no doubt concerning the instant issue.

The decision of the Board of Appeals is affirmed. Affirmed.

U. S. Court of Customs and Patent Appeals

KROLL BROTHERS COMPANY
v.
ROLLS-ROYCE, LIMITED, AND ROLLS-ROYCE, INC.
No. 4,561. Decided March 23, 1942
[126 F.(2d) 495]

1. TRADE-MARKS—ACT OF 1905—"NAME" PROVISO OF SECTION 5

"The 'name' clause of section 5 of the Trade-Mark Act of February 20, 1905, in a sense, has a double meaning, or, at least, has two distinct applications. First, there are situations in which a person or corporation may not register his or its own name as a technical trade-mark for his or its own use. *The J. B. Williams Co.* v. *Ernest W. Williams*, 18 C. C. P. A. (Patents) 1133, 48 F.(2d) 398, 410 O. G. 8. Second, a person or corporation is not entitled to appropriate and register the name of another person, or corporation (or an imitation or simulation thereof), for use as a technical trade-mark when it would likely result in confusion as to the origin of the goods to which it is proposed to apply such mark."

2. SAME—LIKELIHOOD OF CONFUSION

The notation "Kroll's-Royce" *Held* not registrable to appellant, Kroll Brothers Company, as a trade-mark for baby carriages and go-carts because it so closely simulates the corporate names of the appellees, Rolls-Royce, Limited, and Rolls-Royce, Inc., that confusion as to origin of appellant's goods would be probable.

APPEAL from Patent Office. Affirmed.

Mr. Clarence E. Threedy for Kroll Brothers Company.

Mr. Andrew Foulds, Jr. for Rolls-Royce, Limited, and Rolls-Royce, Inc.

GARRETT, *P. J.*:

This is an appeal from the decision of the Commissioner of Patents affirming that of the Examiner of Interferences in a trade-mark opposition proceeding.

On June 2, 1939, Kroll Brothers Company (hereinafter generally referred to as appellant), a corporation organized under the laws of the State of Illinois, filed application in the Patent Office for registration of the notation "Kroll's-Royce" for use on baby carriages and go-carts. A drawing of the claimed mark appears in the record and is described in the brief on behalf of appellant before us as

"a combination mark consisting of the possessive word 'Kroll's' hyphenated from the word 'Royce,' both words appearing in what might be termed printer's block type, set in relief to give third dimension effect."

The goods were stated in the application to be "in [Patent Office] Class 19, Vehicles, not including engines." A specimen of the mark "as actually used by applicant upon the goods" appears in the record. On this specimen below the mark are the words "CONVERTIBLE AUTOCART," and a statement that it was patented March 22, 1938.

Rolls-Royce, Limited, is stated to be "a corporation organized under and by virtue of the laws of the Kingdom of Great Britain and Ireland," and Rolls-Royce, Inc., "a corporation organized and existing under and by virtue of the laws of the State of New York." They are affiliates in business, the latter being the company through which the former functions in the United States, and both joined in opposing the registration sought by appellant. They are hereinafter referred to as opposers. The particular business in which they are engaged is shown to be the manufacture and sale of automobile engines, parts, airplane engines and automobiles, which have long been sold under the trade name or mark "Rolls-Royce," which consists of the surnames of the parties (Rolls and Royce) who originally established the business in England.

In the notice of opposition opposers pleaded the ownership by Rolls-Royce, Limited, of a United States trade-mark registration, No. 197,089, originally granted to one of its subsidiaries April 7, 1925, for automobiles and chassis and later transferred to Rolls-Royce, Limited. This mark, a copy of which appears of record, comprises a panel arrangement in the center of which are the letters "RR," one partly superimposed upon the other in fanciful arrangement, above which is the word "ROLLS" and below which is the word "ROYCE." The notice also alleged the notation "Kroll's-Royce" to be "a simulation and imitation of the corporate title and name of opposers."

So, in effect, opposers invoked two (or parts of two) of the *provisos* embraced in subparagraph (b) of section 5 (15 U. S. C. A. §85) of the Trade-Mark Act of February 20, 1905, viz.,

1. "That trade-marks * * * which so nearly resemble a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers shall not be registered."

2. "That no mark which consists merely in the name of * * * [a] corporation * * * not written, printed, impressed, or woven in some particular or distinctive manner, * * * shall be registered under the terms of this act."

The Examiner of Interferences and the Commissioner agreed in holding that the goods of the respective parties are not of the same descriptive properties, in the sense of the registration statute, but held, in effect, that appellant's application should be refused because of the "name" clause. In other words, it was the view of the tribunals of the Patent Office that the use of "Kroll's-Royce" by appellant would be likely to create confusion as to origin of appellant's goods.

We agree with this view.

It is difficult to understand why, having a wide field from which to choose a mark for its baby carriages and go-carts, appellant should have selected one which embraces the most significant features of the corporate names of both opposers. Kroll is the first word of appellant's corporate name. Whether that is the surname of some brothers who are interested in the corporation styled Kroll Brothers Company, we are not advised. No testimony was taken by appellant, and there is no explanation of record as to why it chose to adopt either "Kroll's" or "Royce." By adding the apostrophe and the "s" to "Kroll," appellant so imitated the first part of opposers' corporate names that in sound, at least, the term "Kroll's" closely simulates the first part of such names, and "Royce" is identical with the last word of both opposers' corporate names. It may be added that by placing the hyphen between "Kroll's" and "Royce," the simulation of the corporate names of opposers is made still more prominent.

In the case of *American Steel Foundries* v. *Robertson, Commissioner et al.*, 269 U. S. 372, 342 O. G. 711, the Supreme Court of the United States construed the "name" provision of section 5 of the Trade-Mark Act of February 20, 1905, as applied to corporate names, and that decision is generally regarded as the leading case upon the subject.

The Supreme Court, after restating the principles announced in former holdings, that the law of trade-marks is but a part of the broader law of unfair competition, the general purpose of which is to prevent one person from passing off his goods or his business as the goods or business of another, and pointing out that a person is prevented from registering or using a trade-mark adopted and used by another for goods or articles of the same descriptive character, held, in effect, that on the same fundamental principles, the name of a corporation, whether regarded as a trade-mark, a trade name or both, is, by law, protected from appropriation by another person or corporation. In the course of its decision the Court said:

The provision, therefore, that no mark consisting merely in the name of a corporation shall be registered, is to be construed in harmony with those established principles in respect of the appropriation of corporate names to which we have referred. Where the appropriation of the corporate name is complete, the rule of the statute, by its own terms, is absolute and the proposed mark must be denied registration without more. But where less than the whole name has been appropriated, the right of registration will turn upon whether it appears that such partial appropriation is of such character and extent that, under the facts of the particular case, it is calculated to deceive or confuse the public to the injury of the corporation to which the name belongs.

The fact, for example, that the articles upon which the mark is used are not of the same description as those put out by the corporation, is entitled to weight, since the probability of such confusion and injury in that situation obviously is more remote than where the articles are of like kind. The cases, naturally, present varying degrees of difficulty for the application of the rule. Primarily, the power and the duty rests with the Commissioner of Patents to determine the question in each case in the exercise of an instructed judgment upon a consideration of all the pertinent facts.

The Commissioner quoted much of the foregoing in his decision in the instant case and it is our view that he correctly applied it to the present situation.

(1) The "name" clause of section 5 of the Trade-Mark Act of February 20, 1905, in a sense, has a double meaning, or, at least, has two distinct applications. First, there are situations in which a person or corporation may not register his or its own name as a technical trade-mark for his or its own use. The *J. B. Williams Co.* v. *Ernest W. Williams*, 18 C. C. P. A. (Patents) 1133, 48 F.(2d) 398, 410 O. G. 8. Second, a person or corporation is not entitled to appropriate and register the name of another person, or corporation (or an imitation or simulation thereof), for use as a technical trade-mark when it would likely result in confusion as to the origin of the goods to which it is proposed to apply such mark.

(2) We think it clear that appellant is seeking here to register a notation which so closely simulates the corporate names of opposers (names which, so far as the record discloses, have never been used by others than opposers) that confusion as to origin of appellant's goods would be probable.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE EWALD
No. 4,588. Decided March 23, 1942
[126 F.(2d) 486]

PATENTABILITY—FRUIT BOBBING APPARATUS

Certain claims to fruit bobbing apparatus *Held* unpatentable in view of the prior art.

APPEAL from Patent Office. Affirmed.

Messrs. Cox, Moore & Olson (*Mr. Ballard Moore* and *Mr. Curtis F. Prangley* of counsel) for Ewald.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

There is here brought before us for review the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner rejecting two claims embraced in appellant's application for patent entitled "For Fruit Bobbing Apparatus." Twenty-seven claims embraced in the application were allowed by the Examiner. Those claims were not involved in the appeal to the Board, nor are they involved here. The two rejected claims numbered, respectively, 12 and 29, which were involved in the appeal to the Board and in the appeal to this court, read:

12. A device for severing or bobbing the necks and stems of pears comprising fruit holding means adapted to hold a pear with the neck of the pear extending beyond the holding means and its stem axis extending in a predetermined direction, means adapted contactingly to encircle the neck of the pear to hold the neck of the pear firmly, cutting means movable transversely of the stem axis to bob the pear while so held, and means to discharge the bobbed end from the encircling holding means.

29. End bobbing means for pears comprising fruit holding means adapted to support a pear with the neck end of the pear extending beyond the holding means, a hollow member open at one end to receive and encircle the neck of the pear to hold the pear firmly therein, and cutting means shiftable transversely of the axis of the pear between the hollow member and said holding means to sever the stem end of the pear from the body thereof.

Two patents were cited as references: Berrini, 490,133, Jan. 17, 1893; and Thompson et al., 2,139,704, Dec. 13, 1938.

The Berrini device is one for cutting off the ends of eggs in the shell. The patent to Thompson et al. is for a fruit preparation machine.

Appellant's complete machine is somewhat com-

plicated. The application contains five sheets of drawings, the various features being delineated in 13 figures. The structure outlined in the appealed claims constitutes a subcombination of the complete device and relates particularly to mechanism for severing the stem ends of pears from the whole fruit.

The features, or limitations, of appealed claim 12 especially emphasized before us as rendering the subcombination patentable are—(1) "means adapted contactingly to encircle the neck of the pear," (2) "cutting means movable transversely of the stem axis," and (3) "means to discharge the bobbed end from the encircling holding means." In claim 29 the "means adapted contactingly to encircle the neck of the pear" (named in claim 12) is described as "a hollow member open at one end" and the means for severing the pear end is defined as "cutting means shiftable transversely of the axis of the pear." Claim 29 has no limitation respecting means for discharging the bobbed end after its severance.

The structure embracing the foregoing limitations is shown most distinctly in Fig. 7 of appellant's drawing. As illustrated in the drawing, the large end of the pear is impaled on a spike and held between a pair of jaw members which, when clamped, encircle the large end of the fruit. The stem end of the pear extends beyond the holding means so formed into an encircling tubular sleeve aligned with the jaw members as clamped. The arrangement is such that when the device is operated a movable knife (described in the specification as a "bobbing blade") passes between the clamped jaws and the encircling tube to sever the stem end, which end is later ejected from the sleeve by a plunger.

The Thompson et al. patent discloses a subcombination wherein the large end of a pear is impaled on a "spindle" and the stem end is engaged by notches formed in elements described in the specification as "scissorlike centering blades," the notches (which in patentees' preferred form have their inner edges sharpened to cut into the neck of the pear) are in alignment with the spindle. The extreme stem end of the pear is shown projecting outside the notches. It appears that in operation the centering blades are closed upon the stem end of the pear so that such end is gripped in the notches and held in position and the device is moved so that the pear contacts a revolving circular knife (the knife being stationary relative to the other features of the device) which is so arranged that it severs the stem end at a point between the holding means and the notches.

In the Berrini patent, designed for cutting off the small ends of eggs, an arrangement of parts is shown wherein the egg is placed in a holder shaped to conform to the shape of the egg. The small end protrudes from the holder into a device having a socket which fits over the end and it is severed by a knife arranged to pass between the holder and the socket. This device seems to have been intended primarily for use as a table utensil.

The Examiner rejected both appealed claims as being unpatentable over either the Thompson et al. patent or the Berrini patent. The Board expressed the view that both claims "are fairly met in the Thompson et al. patent," but also held the Berrini patent to be a pertinent reference "In view of the broad scope of the claims."

It does not seem to be questioned that the impaling spindle of the Thompson et al. patent meets the requirement of the claims for "fruit holding means" applied to whole pears, but appellant contends earnestly that the notched blades shown by the Thompson et al. device for holding the stem end of the pear during the cutting off of the stem end may not be regarded as an anticipation of appellant's means adapted to contactingly encircle the neck of the pear, which feature is specifically described in claim 29 as a hollow member open at one end. He also contends that the stationary circular knife shown in the Thompson et al. patent is not an anticipation of his cutting means movable transversely of the stem axis which feature is described in slightly different phraseology in both the appealed claims. Further, he contends that neither of the cited references discloses means (such as his plunger) for discharging the cut off end of the pear.

Appellant's principal argument with respect to the Berrini patent (aside from insisting that it fails to disclose means for discharging the cut off end of the article) is, in substance, that the patent relates to an art which is not analogous to that with which the involved application is concerned.

That there are certain differences in structure between the subcombination shown in the patent to Thompson et al. and that of appellant here involved is obvious, of course, and these were recognized by the tribunals of the Patent Office.

From the brief filed by the Solicitor for the Patent Office before us we quote the following:

> It is thought that these [the Thompson et al.] notched blades are fully equivalent to the "means adapted contactingly to encircle the neck of the pear" which are recited in claim 12 or to the "hollow member open at one end to receive and encircle the neck of the pear" set forth in claim 29. It is true that, in Thompson et al., the inner parts of the notches are preferably sharpened and cut into the pear to some extent, but there would be no invention in omitting this sharpening and relying on a simple clamping action. In fact Thompson et al. state that the edges are "preferably" sharpened which clearly suggests that they might be left dull if desired. In any case, the sharpening represents merely a matter of choice. Thompson et al. considered that a better grip for their purpose was obtained by permitting the clamps to cut into the fruit, but it seems evident that conventional gripping jaws might be employed in their device if desired.
>
> Claims 12 and 29 call for cutting means movable transversely of the axis of the pear. This language relates solely to relative movement and is clearly satisfied by moving the pear toward a fixed knife as well as by moving a knife toward a fixed pear. Moreover, even if this distinction were brought out, it would involve nothing more than an obvious reversal. No new result is produced by moving the knife rather than the pear.

The foregoing seems to us to be sound in principle. It may be said that neither the Examiner nor the Board used the term "equivalent," but their decisions, fairly construed, would seem to imply equivalency. However that may be, we are unable to agree that the structural differences from the Thompson et al. patent which appellant discloses render his subcombination, as defined in the appealed claims, patentable. We do not overlook the fact that the Thompson et al. patent makes no disclosure of means for discharging the bobbed end of the pear from the notches in the scissor-like blades. This feature was not required in that device since the mere opening of the blades evidently would release the severed end. In appellant's arrangement such feature apparently was necessary and it was obvious to provide it. We do not think the inclusion of this feature renders appellant's subcombination patentable.

In view of our thought that the Thompson et al. patent constitutes a complete anticipation of all the material features comprising appellant's subcombination, as defined in the two appealed claims, we find it unnecessary to discuss, or determine, the controversy respecting the Berrini patent.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE WESSELMAN

No. 4,544. Decided April 27, 1942

[127 F.(2d) 311]

APPEAL—ASSIGNMENT OF ERROR.

Where W, in his notice of appeal under section 4912 R. S., failed to set forth specific reasons why the decision of the Board of Appeals should be reversed *Held* that the Court of Customs and Patent Appeals had no authority, under their statutory jurisdiction, to review said decision and *Held* that the appeal must be dismissed.

APPEAL from Patent Office. Dismissed.

Mr. Frank Zugelter (*Mr. Donald Gardiner* of counsel) for Wesselman.

Mr. W. W. Cochran (*Mr. Clarence W. Moore* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting claims 16 and 17 of appellant's application for a patent. Eight claims were allowed.

Appellant's application relates to a carrier for a plurality of bottles, said carrier being made out of flexible cardboard. In view of the conclusion we have reached in the case it is unnecessary to set out the claims in the opinion.

The references cited are: Johnson, 1,981,647, November 20, 1934; Wesselman, 2,171,615, September 5, 1939.

Appellant's alleged invention is described by the Board of Appeals in its decision as follows:

> The invention relates to a bottle carrier made of flexible cardboard. The construction is fully set forth in the above claim. The invention is admitted to be an alleged improvement on the Wesselman patent cited. The improvement consists mainly in providing a median score line between the lines 12 and 12 in this patent. This score line is shown at 10 in Fig. 4 of the present application. The purpose of this score line is to permit folding of the paper along the line. It is also alleged that this fold line performs an additional function of permitting the bottom to sag down so that the bottles will not rest on the bottom but will be supported entirely by the side walls when the carrier is raised.

Appellant's application was filed on December 31, 1936. The cited patent to appellant was granted on September 5, 1939, upon an application filed October 19, 1936; therefore, appellant's instant application was co-pending with his application of October 19, 1936, at the time his patent was issued upon said last-named application.

The involved claims were rejected upon the ground that, in view of the patent to Johnson, they defined nothing patentable over claims 1 and 2 of appellant's patent.

Appellant filed only one reason of appeal, which reads as follows:

> 1. The Board of Appeals erred in affirming the Primary Examiner's final rejection of claims 16 and 17 as amended to date.

The Solicitor for the Patent Office raised the question of the sufficiency of this reason of appeal to give this court jurisdiction of the subject matter here involved.

We must hold that, appellant having failed to comply with the provisions of section 4912, R. S., which requires an appellant to file reasons of appeal, specifically set forth in writing, we have no authority to consider the patentability of appellant's claims.

We have repeatedly held that such purported reasons of appeal as appellant has filed are insufficient to confer jurisdiction upon this court to review decisions of the Patent Office tribunals. *In re Rosenblatt*, 28 C. C. P. A. (Patents) 1036, 118 F.(2d) 590, 530 O. G. 506; *In re Thomas et al.*, 23 C. C. P. A. (Patents) 1238, 83 F.(2d) 902, 470 O. G. 944; *In re Wheeler*, 23 C. C. P. A. (Patents) 1241, 83 F.(2d) 904, 470 O. G. 945.

In the case of *In re Rosenblatt*, supra, we said:

> In the case of *In re Laura Schneider*, 17 C. C. P. A. (Patents) 952, 39 F.(2d) 278, 396 O. G. 348, which came before us during the first year of our patent jurisdiction, we had occasion to say:
>
> Those appealing to this court should give to the court by specific assignments and with particularity all grounds of alleged error upon which they rely.
>
> The reason for and the philosophy of the rule, even aside from the statutory provisions, are so clear that no extensive discussion of those matters need be indulged. This court does not wish to seem super-technical, but it is entitled to have from those appealing a clear and specific statement of the exact points relied upon, and upon this we must insist. • • •

Appellant relies upon our decision in the case of *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 78, 433 O. G. 223, as supporting the sufficiency of his reason of appeal.

In that case the reason of appeal stated: "The Board of Appeals erred in affirming the reason of the Primary Examiner" finally rejecting certain claims of the application there involved. It is true that a majority of this court held that this reason of appeal complied with the statute, but we have never held that a reason of appeal such as is here before us was sufficient.

Appellant's position apparently is that where the Board of Appeals affirms a decision of the Primary Examiner for the same reasons as were assigned by the Examiner, no specific reasons of appeal are necessary. Our decisions are to the contrary.

Finally, we would observe that in appellant's brief he contends that it was improper under the circumstances to join his co-pending patent application

with the disclosure of the Johnson patent, and, secondly, that even though such joining was proper, nevertheless the combination is patentable.

It is so obvious that these matters should have been set forth in appellant's reasons of appeal that further discussion is unnecessary.

Appellant having failed to set forth specific reasons why the decision of the Board of Appeals should be reversed, we have no authority under our statutory jurisdiction to review the decision appealed from.

Accordingly the appeal is dismissed.

Appeal dismissed.

U. S. Court of Customs and Patent Appeals

AMERICAN PHOTOGRAPHIC PUBLISHING CO.
v.
ZIFF-DAVIS PUBLISHING CO.

No. 4,538. Decided April 27, 1942

[127 F.(2d) 308]

1. TRADE-MARKS—USE.

Where the appellant purchased on November 27, 1914, a magazine entitled "Popular Photography" and published that magazine separately from a magazine entitled "American Photography" until May, 1916, when said publications were combined into a single magazine which carried on its cover, as well as on its masthead, the title "American Photography Incorporating Popular Photography"; and where, after the issue of November, 1916, the notation "Popular Photography" was removed from the cover of that magazine, but the masthead thereof carried the title "American Photography" in large letters, followed by the word "incorporating" and a list of the names of discontinued publications, including "Popular Photography", all in smaller type *Held* that such printing of "Popular Photography" on the masthead after November, 1916, did not constitute a trade-mark use.

2. SAME—ABANDONMENT.

"The failure of appellant to use the title 'Popular Photography' since the year 1916, except in the masthead of 'American Photography' is strong evidence that it had abandoned the title as a trade-mark."

3. SAME—USE.

"The fact that the notation 'Popular Photography' appears on the masthead together with twelve other titles of discontinued magazines indicates to us, as it did to the Commissioner of Patents, that it is nothing more than a description of the history and makeup of the magazine 'American Photography'."

4. SAME—CANCELLATION—INJURY.

"Because of the failure of appellant for over twenty years to make a trade-mark use of the notation 'Popular Photography' prior to its first use by appellee, it follows that appellant was not the owner of the mark when it was first used by appellee and therefore has no standing in the proceeding."

APPEAL from Patent Office. Affirmed.

Mr. Cedric W. Porter, Messrs. Dike, Calver & Porter, Mr. Israel Corovitz and *Messrs. Lurie & Alper* for American Photographic Publishing Co.

Messrs. Hill & Hill and *Messrs. Stanton & Stanton* (*Mr. Roy W. Hill, Mr. John W. Hill, Mr. Bailey Stanton, Mr. S. J. Stanton* and *Mr. Joseph H. Milans* of counsel) for Ziff-Davis Publishing Co.

JACKSON, *J.:*

This is an appeal, in a trade-mark cancellation proceeding, from a decision of the Commissioner of Patents affirming that of the Examiner of Interferences dismissing appellant's petition for cancellation of the registration of appellee's trade-mark "Popular Photography Including Amateur Cinematography."

The proceeding was brought under the provisions of section 13 of the Trade-Mark Act of February 20, 1905.

In the registered trade-mark the words "Popular Photography" are in block type and the words "Including Amateur Cinematography" are printed immediately below those words in very small type upon a representation of a strip of motion picture film attached at its ends to two film reels. The first issue of appellee's publication was in July, 1936. The publication was not issued again until May, 1937, and since that date it has appeared monthly in greatly enlarged form over the initial publication. The title of the publication on all the issues except the first is confined to the words "Popular Photography."

Appellant in its claimed right to cancellation relies upon prior use of the notation "Popular Photography" and alleges damage through confusion in trade by reason of appellee's use of the registered mark.

The facts are undisputed. It appears that a magazine entitled "Popular Photography" was first published in October, 1912. It was sold to appellant on November 27, 1914.

Appellant prior to and ever since the said sale has been publishing a monthly magazine called "American Photography." That publication was intended to appeal to expert photographers. After the said sale, from November, 1914, until May, 1916, appellant published both the "American Photography" and "Popular Photography" magazines separately, when, due to reasons of economy, appellant combined both publications into a single monthly magazine designed to appeal to both the readers and advertisers of the separate publications. From May, 1916, until November, 1916, the combined periodical carried on its cover, as well as on an inner page containing the masthead and table of contents the title "American Photography Incorporating Popular Photography." Subscribers to "Popular Photography" were notified in April, 1916, that its separate publication would be no longer continued and that it would thereafter be merged, starting with the May issue, in "American Photography." The pertinent portion of the notice reads as follows:

> It has for some time seemed inevitable to us that efficiency and the possibility of greatest usefulness to the greatest number would eventually demand the consolidation of the two magazines, and considerations quite other than those of editorial policy indicate that the time for consolidation has now arrived.
>
> We therefore are able to announce to our readers that the April issue of Popular Photography will be the last published, and that with the May issue of American Photography Popular Photography will be merged in this magazine. The new American Photography will be considerably enlarged in size, and will contain in addition to its usual number of articles, as nearly as possible, the equivalent of an ordinary number of Popular Photography, edited on the plan which has made this magazine so justly popular. The same class of pictures will be reproduced and criticized in the same way, and the same sort of short, practical articles will be intermingled with the picture descriptions. The readers of each magazine will practically get two magazines combined in one, and the new American Photography will contain many more articles and pictures and a much more diversified range of contents than any other photographic magazine published in the United States.

After the publication of November, 1916, the notation "Popular Photography" was taken from the cover of the consolidated publications and thereafter the only title used on the cover has been "American Photography." On the masthead there now appears the title of the magazine "American Photography" in large letters, followed by the word "incorporating" and a list of the names of discontinued publications, including "Popular Photography", all in smaller type. The list of discontinued publications rose from eight in 1916 to thirteen prior to appellee's first use of its mark.

The masthead in the printing art, and as is shown by this record to be customary, appears to be the page in a publication showing the title of the publication, the discontinued titles of publications (if any) which have been merged or consolidated under the name of the publication, the names of the publishers, editors, the place where published, the subscription rates, the date of issue and frequency of publication.

The Examiner of Interferences after setting forth the facts, among other things, stated as follows:

> It accordingly appears that while the magazine title in dispute was used as such by petitioner and its predecessor Fraprie for about a five year period ending in 1916, its use in a magazine by the latter, like that of similarly discontinued titles, for the last twenty years and more has been confined to a masthead notice.
>
> It is deemed to be well understood that ownership of a trade-mark may not be acquired nor maintained merely by the invention or prior selection of a symbol, but only through its use as a designation of personal origin of goods sold in trade. In so far as the various titles of discontinued magazines contained in petitioner's masthead notice are concerned, these do not purport to represent trademarks for any publication now sold by the latter. The inclusion of "Popular Photography" therein is accordingly believed not to afford a proper basis for a claim of ownership thereof, nor, in consequence of such claim, justify any contention that its use as a trade-mark by respondent would involve "injury" to the petitioner by reason of a likelihood of confusion in trade.
>
> • • • • • • •
>
> The Examiner is persuaded that the lack of use by petitioner of the notation in issue as a trade-mark, under the circumstances here disclosed, amounts to an actual and intended abandonment thereof. Accordingly, it is held that the petitioner cannot qualify as an owner of this mark. This conclusion is deemed to be in accord with the ruling in the following case recently decided by the Court of Appeals, D. C.: *Lawyers Title Insurance Co.* v. *Lawyers Title Insurance Corp.*, 43 U. S. Pat. Q. 166 [109 F.(2d) 35].

The Commissioner of Patents had the following to say with respect to trade-mark use and abandonment by appellant of the notation "Popular Photography":

> The title of appellant's magazine appears to be only the notation "American Photography." I am not persuaded by the testimony and argument as to the technical significance of the masthead notations that the list of discontinued publications is anything more than a description of the history and make-up of American Photography. I cannot agree that it would be considered by either the purchasing public or those trained in the publishing trade to be an essential part of the title of that magazine. While the purpose of listing the titles of discontinued publications undoubtedly was to give continuing notice to the public of an intention not to relinquish all rights in those titles, it does not follow that the list formed a part of the name of appellant's magazine or was used as part of its trade-mark therefor.
>
> Petitioner's failure to use the notation "Popular Photography" as the name of an existing publication for over twenty years is strong evidence of its abandonment of the notation for that purpose. Ownership of a trade-mark cannot exist indefinitely in the absence of a trade-mark use, and I am of the opinion that appellant's failure for that long period to make such use of the mark in question precludes a finding that it now owns the mark.
>
> • • • • • • •
>
> Having abandoned the trade-mark use upon which it is relying, and having failed to prove that it is "injured" within the meaning of the statute by the registration sought to be cancelled, it seems clear that appellant is not entitled to the relief requested.

[1] The issues to be decided are whether or not the continuation of the printing of "Popular Photography" as aforesaid on the masthead of appellant's periodical constitutes a trade-mark use and the likelihood of confusion in trade arising from appellee's use of that notation.

[2] [3] In our opinion the failure of appellant to use the title "Popular Photography" since the year 1916, except in the masthead of "American Photography" is strong evidence that it had abandoned the title as a trade-mark. The fact that the notation "Popular Photography" appears on the masthead together with twelve other titles of discontinued magazines indicates to us, as it did to the Commissioner of Patents, that it is nothing more than a description of the history and make-up of the magazine "American Photography."

The mere statement that there had been no intention to abandon the notation as a trade-mark, cannot in our opinion be of weight against the fact of non-user as such for twenty years. Until the first publication of the said magazine of appellee there had been no magazine known as "Popular Photography" for twenty years. During that period any good will attaching to that publication must have been merged, even as the title was merged, into the good will attaching to "American Photography." The subscribers to and other purchasers of the old "Popular Photography", it is believed, would continue to buy the magazine "American Photography" which purported to satisfy the interest which attracted them to the former publication. The original magazine "Popular Photography" had but a small circulation as compared with the circulation now of "American Photography."

[4] Since we must hold that because of the failure of appellant for over twenty years to make a trade-mark use of the notation "Popular Photography" prior to its first use by appellee, it follows that appellant was not the owner of the mark when it was first used by appellee and therefore has no standing in the proceeding.

It is not necessary to discuss any of the cases cited in the briefs, for the reason that none of them apply directly to the facts here.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,612,508, Henderson & Dietrich, Apparatus and method for treating sausage casings; 1,890,215, H. R. De Cressey, Sausage casing; 1,959,978, E. O. Freund, Sausage, artificial casing therefor, and the production thereof; 1,967,773, A. G. Hewitt, Apparatus for a method of drying cellulose tubing, appeal filed June 11, 1942, C. C. A., 4th Cir., Doc. 4966, *Sylvania Industrial Corp.* v. *The Visking Corp.*

1,617,433, R. B. Beisel, Oil temperature regulator; 1,864,052, Dykeman & Watkins, same, filed June 3, 1942, D. C., S. D. Calif., C. Div., Doc. 2266, *United Aircraft Products, Inc.*, v. *The Garrett Corp.*

1,655,481, D. L. Van Leuven, Running gear; 1,926,727, G. L. Knox, Six wheel attachment for motor vehicles, D. C., S. D. Calif. (Los Angeles), Doc. 1650 Y, *Six Wheel Corp. et al.* v. *Fager Corp.* Patents held valid and infringed, injunction June 11, 1942.

1,700,428, J. L. Breese, Jr., Thermostatic valve control burner; 1,845,999, same, Fuel control means for a hydrocarbon burner, D. C., N. D. Calif. (San Francisco), Doc. 22138–W, *Oil Devices et al.* v. *D. H. McCorkle Co. et al.* Consent decree June 8, 1942.

1,749,055. (See 2,028,108.)

1,842,660. (See Re. 18,755.)

1,845,999. (See 1,700,428.)

1,846,714, W. H. Frank, Switch block mounting; Des. 94,298, same, Bus duct run; 2,009,376, 2,059,988, 2,088,105, same, Electrical distribution system; 2,041,675, Frank & Harper, same, D. C., N. D. Ohio, E. Div., Doc. 20224, *Bulldog Electric Products Co.* v. *The Powerlite Switchboard Co.* Dismissed without prejudice June 1, 1942.

1,864,052. (See 1,617,433.) 1,890,215. (See 1,612,508.)

1,926,727. (See 1,655,481.)

1,956,277, E. H. Ellison, Schoolroom wardrobe; 1,977,474, same, Wardrobe; 1,983,125, same, Adjustable hinge, D. C., W. D. N. Y., Doc. 2010, *Austral Sales Corp.* v. *Jamestown Metal Equipment Co., Inc.* Judgment for plaintiff (notice June 9, 1942).

1,959,978. (See 1,612,508.) 1,967,773. (See 1,612,508.)

1,967,948. (See 2,266,469.) 1,977,474. (See 1,956,277.)

1,983,125. (See 1,956,277.)

1,986,645, C. F. Prutton, Method of lubricating and reducing friction; 1,986,651, same, Lubricant; 2,150,079, same, Lubricating composition; 2,051,744, same, Lubricating composition and method of lubricating and improving the lubricating properties of oils; 2,074,338, Lincoln & Henriksen, Lubricating oil; 2,137,782, Prutton & Smith, Lubricating composition, D. C. Del., Doc. 107, *Bakelite Corp. et al.* v. *The Lubrizol Development Corp.* Dismissed without prejudice Feb. 2, 1942.

1,986,651. (See 1,986,645.) 2,009,376. (See 1,846,714.)

2,028,108, H. Sklar, Wicket; 1,749,055, G. W. Ackerman, Door attachment, filed July 26, 1941, D. C., S. D. N. Y., Doc. 15/149, *Sklar et al.* v. *G. W. Ackerman.*

2,041,675. (See 1,846,714.) 2,051,744. (See 1,986,645.)

2,059,988. (See 1,846,714.) 2,067,235. (See 2,266,469.)

2,074,338. (See 1,986,645.) 2,088,105. (See 1,846,714.)

2,101,824. (See 2,266,469.)

2,127,468. (See Re. 21,030.)

2,137,782. (See 1,986,645.)

2,140,155, 2,186,334, J. W. Hale, Change speed device, filed May 29, 1942, D. C. Mass., Doc. 1938, *J. W. Hale* v. *General Motors Corp.*

2,150,079. (See 1,986,645.)

2,156,251. (See Des. 126,620.)

2,167,573, C. Jones, Sanding wheel head; 2,182,725, same, Tiltable adjustable sanding wheel, appeal filed June 15, 1942, C. C. A., 4th Cir., Doc. 4967, *Pearson Sanding Machine Co.* v. *Williams Furniture Co.*

2,182,725. (See 2,167,573.) 2,186,334. (See 2,140,155.)

2,200,443, E. C. Dench, Discharge lamp circuit; 2,228,210, R. F. Hays, Jr., Gaseous relay device, D. C., S. D. N. Y., Doc. 18/144, *Westinghouse Electric & Mfg. Co.* v. *Abott Fluorescent Co., Inc.* Dismissed June 2, 1942.

2,208,271. (See 2,266,469.) 2,228,210. (See 2,200,443.)

2,266,469, C. H. Larson, Mercury switch relay; 1,967,948, U. C. Hedin, Relay; 2,067,235, same, Mercury switch relay; 2,101,824, Hedin & Larson, Mercury switch; 2,208,271, same, Mercury switch relay and circuit, filed June 5, 1942, D. C., N. D. Ind. (South Bend), Doc. 330, *The Adlake Co. et al.* v. *Bucklen-Bear Laboratories, Inc., et al.*

Re. 18,755 (of 1,842,660), F. J. Day, Air conditioning means, D. C. Ariz. (Phoenix), Doc. 204, *W. C. Phillips et al.* v. *Standard Precooling Co. et al.* Decree granting injunction June 8, 1942.

Re. 20,896. (See Re. 21,030.)

Re. 21,030 (of Re. 20,896 and 2,127,468), E. H. Greibach, Bone conduction hearing device, filed June 12, 1942, D. C., N. D. Ill., E. Div., Doc. 4375, *Addressograph-Multigraph Corp.* v. *Pruitt Sales Corp.*

Des. 94,298. (See 1,846,714.)

Des. 126,629, M. J. Marks, Hat; 2,156,251, J. Carlson, Adjustable and washable lady's hat, filed May 28, 1942, D. C., S. D. N. Y., Doc. 18/242, *Betmar Hats, Inc.*, v. *R. H. Macy & Co., Inc.*

Des. 132,050, E. R. Popper, Sweater, included by supplemental complaint May 23, 1942, in suit filed Mar. 13, 1942, D. C., S. D. N. Y., Doc. 17/404, *Beldoch-Popper, Inc.*, v. *Carl Gutmann & Co., Inc., and Abood Knitting Mills.*

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 1, 1942

[VOL. 542. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 450,702. A & W BULB COMPANY, INC., Clearwater, Fla. Filed Feb. 4, 1942.

VICTORY GLADS

Applicant disclaims the word "Glads" apart from the mark.

FOR CUT FLOWERS—NAMELY, GLADIOLI.

Claims use since Jan. 26, 1942.

Ser. No. 453,135. WILMINGTON CHEMICAL CORPORATION, Wilmington, Del. Filed May 19, 1942.



FOR VISCOUS LIQUID OR SEMI-LIQUID CHEMICAL RAW MATERIAL OF UNSATURATED HYDROCARBON NATURE.

Claims use since Mar. 17, 1942.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

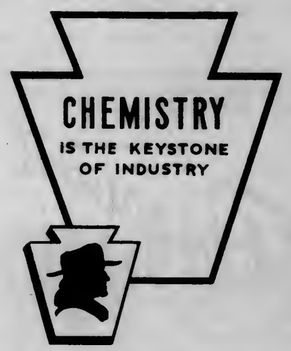
Ser. No. 451,671. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Mar. 17, 1942.

NYRAY

FOR SOAP.

Claims use since Feb. 10, 1942.

Ser. No. 453,641. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed June 13, 1942.



FOR FABRIC CLEANING COMPOUNDS.

Claims use since Apr. 8, 1942.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 443,774. MAYBELLINE CO., Chicago, Ill. Filed May 21, 1941.

Sparkle

FOR EYE LIQUID.

Claims use since Dec. 23, 1937.

Ser. No. 450,893. F. D. BUXTON, INCORPORATED, Baltimore, Md. Filed Feb. 11, 1942.

CALPANATE

FOR ANTI-GRAY HAIR PREPARATION FOR INTERNAL USE.

Claims use since Feb. 6, 1942.

Ser. No. 451,522. CHARLES K. WHITE, Hamilton, Ohio. Filed Mar. 9, 1942.

HAZELWOODO

FOR PREPARATION FOR TUBERCULOSIS.
Claims use since 1905.

Ser. No. 452,410. AMLING COMPANY, doing business as Floralife, Chicago, Ill. Filed Apr. 18, 1942.

Floralife

FOR PREPARATION FOR USE IN PROLONGING THE LIFE AND BEAUTY OF CUT FLOWERS.
Claims use since Nov. 1, 1937.

Ser. No. 452,896. SUTTON COSMETICS, INC., New York, N. Y. Filed May 8, 1942.

Rosepoint

FOR BODY POWDERS.
Claims use since Nov. 17, 1941.

Ser. No. 453,165. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed May 21, 1942.

KASIL

FOR POTASSIUM SILICATE, EITHER ANHYDROUS, HYDROUS, CRYSTALLINE, GLASSY OR IN SOLUTION OR IN ADMIXTURE WITH OTHER ALKALINE SALTS, USEFUL IN THE MANUFACTURE OF GELS, CEMENTS, COATINGS, DETERGENTS, AND THE LIKE.
Claims use since Aug. 19, 1941.

Ser. No. 453,440. GEIGY COMPANY, INC., New York, N. Y. Filed June 3, 1942.

Geigy

FOR DYESTUFFS, DYES, COLOURING MATTERS, DYEWOOD EXTRACTS, TANNIN, TANNING SUBSTANCES, MORDANTS, SOFTENERS, EMULGATING AGENTS, WATERPROOFING AGENTS, MERCERIZING AGENTS, DISINFECTANTS, BLEACHING PREPARATIONS, FINISHING AGENTS, WASHING AGENTS (WATER SOFTENERS), PREPARATIONS SUITABLE FOR PROTECTING AGAINST ATTACKS FROM MOTHS, PREPARATIONS FOR KILLING WEEDS AND DESTROYING VERMIN, PRESERVATIVES AGAINST RUST AND AGAINST DETERIORATION OF WOOD, PHARMACEUTICALS, AND VETERINARY AND SANITARY SUBSTANCES.
Claims use since May 13, 1942.

Ser. No. 453,907. AMERICAN DIETAIDS COMPANY, INC., Yonkers, N. Y. Filed June 27, 1942.

ULTRA A

No claim is made to the letter "A" apart from the mark.
FOR VITAMIN CAPSULES.
Claims use since Sept. 30, 1941.

Ser. No. 454,067. THE BOMB-X COMPANY, Merchantville, N. J. Filed July 6, 1942.

BOMB-X

No claim is made to the word "Bomb" apart from the mark.
FOR COMPOUND FOR CONTROLLING INCENDIARY BOMBS AND FIRES.
Claims use since June 23, 1942.

Ser. No. 454,157. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va. Filed July 10, 1942.

SYLVANIA

FOR SODIUM SULFATE.
Claims use since Apr. 10, 1942.

Ser. No. 454,177. THE PEPSODENT CO., Chicago, Ill. Filed July 11, 1942.

PEPSODENT

FOR ANTISEPTICS.
Claims use since Apr. 23, 1942.

Ser. No. 454,178. THE PEPSODENT CO., Chicago, Ill. Filed July 11, 1942.

Pepsodent

FOR DENTIFRICES.
Claims use since Aug. 13, 1941.

Ser. No. 454,233. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed July 15, 1942.

COMMANDO

FOR FACE POWDER, LIPSTICK, COMPACT ROUGE AND CREAM ROUGE.
Claims use since Apr. 9, 1942.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 452,876. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed May 7, 1942.

CHEVRON

FOR PETROLEUM ASPHALT FOR PAVING, ROOFING, STREET AND HIGHWAY CONSTRUCTION.
Claims use since Mar. 2, 1942.

Ser. No. 453,347. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed May 28, 1942.

STRUCTO-CAL

FOR GYPSUM PLASTER.
Claims use since April, 1940.

Ser. No. 453,887. THE CELOTEX CORPORATION, Chicago, Ill. Filed June 26, 1942.

V

FOR BOARD FORM GYPSUM PRODUCTS—NAMELY, PERFORATED GYPSUM LATH, GYPSUM LATH, GYPSUM WALL BOARD AND LINER BOARD; FOR PLASTER AND CEMENT—NAMELY, CEMENT PLASTER, BOND PLASTER, WOOD FIBERED PLASTER, GAUGING PLASTER, KEEN CEMENT, AND WHITE MOULDING PLASTER; FOR BUILDING, ROOFING, AND SIDING PRODUCTS—NAMELY, ASPHALT SATURATED ROLL ROOFING, ASPHALT SATURATED BUILDING FELT, ASPHALT SATURATED SHINGLES, TARRED FELTS, STARTER AND VALLEY STRIPS, INSULATED SHINGLES, ASPHALT SATURATED FELT SIDING, BRIK-FACE SIMULATING INSULATING SIDING, AND GRANULAR SURFACED INSULATING SIDING; FOR BOARD FORM PRODUCTS COMPRISING A FIBER BOARD CORE FACED WITH AN ASBESTOS AND CEMENT COMPOSITION, FOR SHEETS COMPOSED PRINCIPALLY OF ASBESTOS AND CEMENT, FOR BOARD FORM PRODUCTS COMPOSED PRINCIPALLY OF FELTED CELLULOSIC FIBERS—NAMELY, SOUND ABSORBING AND ACOUSTICAL CORRECTION BOARD AND TILE, ROOFING INSULATING KEY JOINT UNITS, ASPHALT COATED SHEETS, PLASTER BASE LATH UNITS, TILE FORM UNITS, PLANK FORM UNITS, AND SHEETS THEREOF FOR GENERAL HEAT INSULATING AND BUILDING USE, AND MINERAL WOOL PRODUCTS.
Claims use on perforated gypsum lath, gypsum lath, gypsum wall board and liner board since Mar. 30, 1942; on cement plaster, bond plaster, wood fibered plaster, gauging plaster and keen cement since Apr. 4, 1942; on white moulding plaster since Apr. 2, 1942; on asphalt saturated roll roofing, asphalt saturated building felt, asphalted saturated shingles, tarred felts, starter and valley strips, asphalt saturated felt siding and brik-face siding since Mar. 17, 1942; on sound absorbing and acoustical correction board and tile, roofing insulating key joint units, plaster base lath units, tile form units, asphalt coated sheets, plank form units, sheets of felted cellulosic fibers in board form for general heat insulating and building use, a fiber board core faced with an asbestos and cement composition and sheets thereof and insulated shingle since Apr. 14, 1942; on sheets composed principally of asbestos and cement since Apr. 8, 1942; on granular surfaced insulating siding since Apr. 1, 1942; and on mineral wool products since June 10, 1942.

Ser. No. 453,903. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed June 26, 1942.

DURON

FOR VEGETABLE FIBER HARDBOARDS CONSOLIDATED UNDER HEAT AND PRESSURE.
Claims use since March, 1942.

Ser. No. 453,962. E. J. LAVINO AND COMPANY, Philadelphia, Pa. Filed June 30, 1942.

OLIKROME

FOR REFRACTORY PLASTICS AND REFRACTORY CEMENTS INCLUDING CHROME ORE-OLIVINE PATCHING MIXTURE.
Claims use since June 3, 1942.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 453,168. KELLOGG COMPANY, Battle Creek, Mich. Filed May 21, 1942.

Kellogg's

The mark is a facsimile of the surname, in the possessive case, of Will K. Kellogg, founder of applicant and its predecessors, in his handwriting.
FOR BASE METAL KITCHEN AND TABLE HOLLOW WARE.
Claims use since May, 1933.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 452,752. NATIONAL BEARING METALS CORPORATION, St. Louis, Mo. Filed May 2, 1942.

NABCOLOY

FOR PARTLY FINISHED NON-FERROUS CASTINGS.
Claims use since Apr. 13, 1942.

Ser. No. 453,985. KENNECOTT COPPER CORPORATION, New York, N. Y. Filed July 1, 1942.

KCM

FOR COPPER INGOTS AND COPPER INGOT BARS.
Claims use since May 15, 1942.

CLASS 15

OILS AND GREASES

Ser. No. 453,522. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed June 6, 1942.

Esso

CARE SAVES WEAR

FOR REFINED, SEMI-REFINED, AND UNREFINED OILS MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE OR MINERAL OILS, FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES, AND LUBRICATING GREASES.
Claims use since May 12, 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 450,459. RHODE ISLAND LABORATORIES, INC., West Warwick, R. I. Filed Jan. 24, 1942.

VIO-LITE

FOR LUMINOUS PAINTS, AND PIGMENTS, LACQUERS AND SUSPENDING AGENTS USED IN MAKING SAID LUMINOUS PAINTS.
Claims use since Dec. 26, 1941.

Ser. No. 452,734. HAROLD L. SCHAFER, doing business as Gold Seal Wax Co., Bismarck, N. Dak. Filed May 1, 1942.

GOLD SEAL WAX

No claim is made to the word "Wax" apart from the mark.
FOR WAX FOR FLOORS, LINOLEUM, WOODWORK, AND FURNITURE.
Claims use since Mar. 21, 1942.

Ser. No. 453,981. FORT PITT CHEMICAL COMPANY, Pittsburgh, Pa. Filed July 1, 1942.

PERMAGLAZE

FOR GLAZING COMPOUND USABLE IN THE SAME MANNER AS PUTTY.
Claims use since Dec. 11, 1940.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 453,864. TRANSCONTINENTAL & WESTERN AIR, INC., North Kansas City, Mo. Filed June 24, 1942.

ASTROLINER

FOR AIRPLANES.
Claims use since June 10, 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 453,528. AIRCRAFT-MARINE PRODUCTS INC., Elizabeth, N. J. Filed June 8, 1942.

A-MP

FOR ELECTRICAL TERMINALS AND WIRING DEVICES.
Claims use since Feb. 26, 1942.

Ser. No. 453,634. THE DOBECKMUN COMPANY, Cleveland, Ohio. Filed June 13, 1942.

LEXEL

FOR HOMOGENOUS, COATED, AND LAMINATED NON-FIBROUS INSULATING FILMS PREPARED FOR SERVING ON OR USE WITH ELECTRICAL CONDUCTORS.
Claims use since June 3, 1942.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 442,711. PHILIP DE JOURNO, Forest Hills, Long Island, N. Y. Filed Apr. 18, 1941.

POGO

FOR JUMPING STICKS.
Claims use since Feb. 28, 1941.

Ser. No. 452,419. ANN L. EDISON, New York, N. Y. Filed Apr. 18, 1942.

ANIMALLIES

FOR CARD GAMES, WOODEN GAMES—NAMELY, GAMES PLAYED WITH WOODEN ANIMAL PLAYING FIGURES ON A BOARD DEPICTING JUNGLE AND FOREST SCENES AND DART GAMES, TOY ANIMALS, PULL TOYS, CARDBOARD GAMES—NAMELY, GAMES PLAYED WITH SPINNERS AND A CARDBOARD BASE AND PLAYING FIGURES DEPICTING ANIMALS, PAINTING BOOKS, CUT-OUT PICTURE PUZLES, CUT-OUT DOLLS AND CUT-OUT TOYS, TOY CONSTRUCTION SETS, TOY PLASTIC ANIMALS.
Claims use since Apr. 9, 1942.

Ser. No. 453,293. ASHTON B. COLLINS, doing business as Reddy Kilowatt Service, Birmingham, Ala. Filed May 27, 1942.

Kilowatt

FOR TOY BALLOONS, TOY CUT-OUT FIGURES AND FOLDING PUZZLES OF PAPERBOARD OR THE LIKE, PLAY BALLS AND PLAYING CARDS.
Claims use since Jan. 1, 1937.

Ser. No. 453,359. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed May 29, 1942.



FOR BILLIARD BALLS, CUE TIPS, CUE CLAMPS, CUE TIP CEMENT, BILLIARD PLAYERS' HAND POWDER, BILLIARD TABLES AND PARTS THEREOF.
Claims use since May 1, 1936.

Ser. No. 454,038. E. S. LOWE COMPANY, INC., New York, N. Y. Filed July 3, 1942.

BINGO

Without prejudice to common law rights, applicant disclaims the word "Bingo" apart from the mark as shown.
FOR BINGO PADS AND CARDS.
Claims use since Feb. 16, 1942.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 444,527. CONTINENTAL MOTORS CORPORATION, Detroit, Mich. Filed June 14, 1941.

Tiny-Tim

FOR INTERNAL COMBUSTION ENGINES FOR GENERAL POWER APPLICATION; MECHANICAL POWER PLANTS FOR LIGHTING AND INDUSTRIAL POWER APPLICATION; MECHANICAL DRIVING UNITS FOR GENERATORS; REPLACEMENT AND SPARE PARTS FOR SAID ENGINES, POWER PLANTS AND DRIVING UNITS INCLUDING CARBURETORS, GOVERNORS, GEARS AND TRANSMISSIONS, LUBRICATING STRUCTURES, FUEL FEEDING AND PURIFYING DEVICES, POWER TAKE-OFF DRIVES, PULLEYS, COUPLINGS, POWER SHAFTS, ENGINE SHIELDS AND COOLING BAFFLES, ENGINE CONTROLLING AND REGULATING STRUCTURES, AND BASE STRUCTURES AND FRAME SUPPORTS FOR SAID ENGINES AND POWER PLANTS.
Claims use since June 16, 1936.

Ser. No. 454,068. THE BOMB-X COMPANY, Merchantville, N. J. Filed July 6, 1942.

BOMB-X

No claim is made to the word "Bomb" apart from the mark.
FOR HAND OPERATED DEVICE FOR CONTROLLING INCENDIARY BOMBS AND FIRES.
Claims use since June 23, 1942.

Ser. No. 454,072. THE OSTER MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 6, 1942.

OSTER

Applicant is the owner of T. M. 70,024 registered July 21, 1908 (renewed), which was effected under the 10-year proviso.
FOR THREAD-CUTTING TOOLS, MACHINES, AND DEVICES, DIE STOCKS, DIES, PIPE-CUTTING MACHINES, PIPE VISES, PIPE-THREADING MACHINES, BOTH HAND AND POWER OPERATED, AND PARTS THEREOF, LATHES, TURRET LATHES, SINGLE POST LATHES, SCREW MACHINES, AND PARTS THEREOF.
Claims use to thread-cutting tools, machines and devices, die stocks, dies, pipe-cutting machines, pipe vises, pipe-threading machines, both hand and power operated, and parts thereof, since Dec. 1, 1927; and to lathes, turret lathes, single post lathes, screw machines, and parts thereof, since Sept. 14, 1940.

CLASS 33

GLASSWARE

Ser. No. 453,814. STATOR CORPORATION, Providence, R. I. Filed June 22, 1942.



FOR BEVERAGE GLASSES.
Claims use since March, 1942.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 453,350. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed May 28, 1942.

MONOGAS

FOR ATMOSPHERE CORRECTING GAS CONVERTERS FOR HEAT TREATING FURNACES.
Claims use since Dec. 5, 1939.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 453,884. AMERICAN MERRI-LEI CORPORATION, New York, N. Y. Filed June 26, 1942.

SWING STICK

FOR TOY MUSICAL INSTRUMENTS WHICH ARE PLAYED BY HUMMING OR SINGING INTO THE SAME.
Claims use since June 19, 1942.

CLASS 37

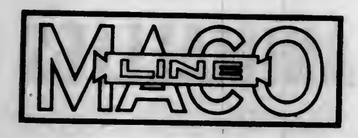
PAPER AND STATIONERY

Ser. No. 442,321. THE HEINN COMPANY, Milwaukee, Wis. Filed Apr. 5, 1941.

Clipper

FOR LOOSE-LEAF BINDERS.
Claims use since March, 1938.

Ser. No. 451,761. THE J. L. MAY COMPANY, New York, N. Y. Filed March 19, 1942.



Applicant disclaims the word "Line" apart from the mark.
FOR TAGS, LABELS, AND STATIONERY ITEM IDENTIFICATIONS.
Claims use since Jan. 2, 1920.

Ser. No. 453,783. THE H. E. SMITH COMPANY, Newark, N. J. Filed June 20, 1942.

CELLOWITE

FOR STENCILS.
Claims use since June 12, 1942.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 422,178. OPERATIVE PLASTERERS' AND CEMENT FINISHERS' INTERNATIONAL ASS'N OF THE UNITED STATES AND CANADA, Middletown, Ohio. Filed Aug. 1, 1939.



"Union Label" is disclaimed apart from the mark.
FOR PERIODICALS USED BETWEEN THE DIFFERENT UNITS OF THE ASSOCIATION FOR THE FURTHERANCE OF ITS BUSINESS.
Claims use since Jan. 1, 1938.

Ser. No. 447,722. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn. Filed Oct. 13, 1941.

PISTOL HIGHLIGHTS

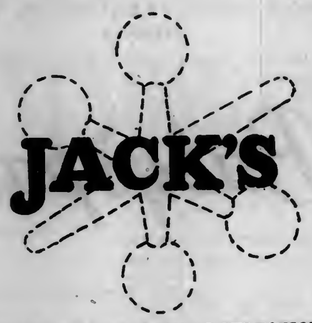
No claim is made to the word "Pistol" apart from the mark.
FOR PERIODICAL PUBLICATION.
Claims use since July 22, 1941.

Ser. No. 452,343. BARRON'S PUBLISHING CO., INC., New York, N. Y. Filed Apr. 15, 1942.

The Cash Drawer

FOR COLUMN IN BARRON'S, THE NATIONAL FINANCIAL WEEKLY.
Claims use since Mar. 2, 1942.

Ser. No. 453,332. JACK'S, Baltimore, Md. Filed May 28, 1942.



FOR RACING INFORMATION OR SELECTION CARDS OR SHEETS, PUBLISHED DAILY.
Claims use since 1893.

Ser. No. 453,833. THE BELL SYNDICATE, INC., New York, N. Y. Filed June 24, 1942.

SIMP O'DILL

FOR COMIC STRIPS.
Claims use since Jan. 1, 1937.

Ser. No. 454,005. HENRY PUBLISHING CO., New York, N. Y. Filed July 2, 1942.

Skyways

FOR MONTHLY MAGAZINE.
Claims use since June 30, 1942.

Ser. No. 454,168. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed July 11, 1942.

Captain Marvel ADVENTURES

FOR PERIODICAL ISSUED EVERY FOUR WEEKS.
Claims use since June 14, 1940.

CLASS 39

CLOTHING

Ser. No. 449,970. SUPERBA CRAVATS, Rochester, N. Y. Filed Jan. 2, 1942.

TIE-LON

The word "Tie" is disclaimed apart from the mark.
FOR NECKTIES.
Claims use since May 27, 1941.

Ser. No. 450,114. PERFECT BOYS WASH SUIT COMPANY, INC., New York, N. Y. Filed Jan. 9, 1942.

The Perfect ROBUS

No claim is made to the word "Perfect" apart from the mark.
FOR LOAFER JACKETS, SHORTS, SLACKS, WASH SUITS FOR BOYS.
Claims use since Oct. 28, 1941.

Ser. No. 452,420. ANN L. EDISON, New York, N. Y. Filed Apr. 18, 1942.

"ANIMALLIES"

FOR MEN'S, WOMEN'S, AND CHILDREN'S WEARING APPAREL—NAMELY, HATS, CAPS, SUITS, COATS, SPORT COATS, OVERCOATS, TOPCOATS, JACKETS, JERKINS, VESTS, OUTER SHIRTS, SWEATERS, PULLOVERS, HOSIERY, UNDERWEAR AND UNDERSHIRTS; MEN'S AND BOYS' TROUSERS; WOMEN'S AND MISSES' DRESSES; SCARVES AND MUFFLERS; GLOVES AND MITTENS OF LEATHER AND FABRIC; SWIMMING AND BATHING GARMENTS—NAMELY, SUITS, SHORTS, TRUNKS, AND SHIRTS; BEACH ROBES AND BATHROBES; AND SNOW SUITS.

Ser. No. 453,230. BRAUER BROS. SHOE COMPANY, St. Louis, Mo. Filed May 25, 1942.



No claim is made to the word "Shoes" apart from the mark.
FOR WOMEN'S SHOES OF LEATHER AND CLOTH AND LEATHER.
Claims use since Apr. 1, 1937.

Ser. No. 453,501. WELLS LAMONT SMITH CORPORATION, Chicago, Ill. Filed June 5, 1942.

BROWN HORSE

FOR WORK GLOVES.
Claims use since Sept. 20, 1937.

Ser. No. 453,553. I. MILLER & SONS, INC., Long Island City, N. Y. Filed June 8, 1942.

REDRELISH

The word "Red" is disclaimed apart from the mark.
FOR LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since May 6, 1942.

Ser. No. 453,796. THE GERNES GARMENT CO. INC., Kansas City, Mo. Filed June 22, 1942.

"Slanguage

AS SPOKEN BY JUNIORS
COMPILED BY

"Gay Gibson"

The name "Gay Gibson" is disclaimed apart from the mark.

FOR MISSES', LADIES', AND CHILDREN'S DRESSES, PLAYSUITS, SKIRTS, BLOUSES, AND SMOCKS.

Claims use since January, 1942.

Ser. No. 453,797. THE GERNES GARMENT CO. INC., Kansas City, Mo. Filed June 22, 1942.

Stop Guessin'

Start Dressin'

in

"Gay Gibson"

The name "Gay Gibson" is disclaimed apart from the mark.

FOR MISSES', LADIES', AND CHILDREN'S DRESSES, PLAYSUITS, SKIRTS, BLOUSES, AND SMOCKS.

Claims use sin January, 1942.

Ser. No. 453,921. HOLLYWOOD FASHIONS, Los Angeles, Calif. Filed June 27, 1942.



FOR LADIES' OUTER GARMENTS—VIZ., COATS, CLOAKS, SUITS, JACKETS, TOPPERS, AND CAPES.

Claims use since Apr. 1, 1942.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 443,029. PAUL E. ALLEN, Skokie, Ill. Filed Apr. 26, 1941.

Baby's pal

FOR BLANKET FASTENERS.

Claims use since Dec. 15, 1940.

Ser. No. 452,415. CORYDON S. CHISHOLM, New York, N. Y. Filed Apr. 18, 1942.

LUMETS

FOR ARM BANDS IN THE NATURE OF BRASSARDS.

Claims use since Feb. 10, 1942.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 444,890. BEHR-MANNING CORPORATION, Watervliet and Troy, N. Y. Filed June 27, 1941.



FOR PILE FABRICS.

Claims use since Mar. 28, 1941.

Ser. No. 446,652. THE ESMOND MILLS, INC., Village of Esmond, Town of Smithfield, R. I. Filed Aug. 29, 1941.

HUSKYSPUN

FOR COTTON FABRICS IN THE PIECE.

Claims use since January, 1941.

Ser. No. 452,621. A. M. PERLMAN, INC., New York, N. Y. Filed Apr. 27, 1942.



FOR TEXTILE FABRICS IN THE PIECE, OF RAYONS, SILK, COTTON, AND COMBINATIONS THEREOF.

Claims use since January, 1942.

Ser. No. 453,725. ALSON TEXTILE CORPORATION, New York, N. Y. Filed June 18, 1942.

ALSONIZED

FOR RAYON, SILK, AND COTTON FABRICS IN THE PIECE.

Claims use since June 8, 1942.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 444,503. KULZER & CO. G. M. B. H., Frankfort-on-the-Main, Germany. Filed June 13, 1941.

Palapont

FOR ARTIFICIAL TEETH, DENTURES, CROWNS, BRIDGES, PLATES, AND SYNTHETIC RESINS USED IN CONNECTION WITH AND FOR TOOTH FILLINGS AND MOLDING MATERIALS FOR DENTAL PURPOSES.

Claims use since Dec. 3, 1940.

Ser. No. 454,252. HAMILTON MANUFACTURING COMPANY, Two Rivers, Wis., and Rahway, N. J. Filed July 16, 1942.

Nu-Classic

FOR PHYSICIANS' AND SURGEONS' TABLES. STOOLS, STANDS, CHAIRS, WASTE CONTAINERS, AND CABINETS.

Claims use since July 1, 1936.

Ser. No. 454,253. HAMILTON MANUFACTURING COMPANY, Two Rivers, Wis., and Rahway, N. J. Filed July 16, 1942.

Nu-Tone

FOR PHYSICIANS' AND SURGEONS' TABLES, STOOLS, STANDS, CHAIRS, WASTE CONTAINERS, AND CABINETS.

Claims use since Aug. 1, 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 419,423. HAXTON CANNING COMPANY, INC., Oakfield, N. Y. Filed May 15, 1939.

Blue Boy

FOR CANNED FRUITS AND VEGETABLES, FROZEN FRUITS, FRESH VEGETABLES, EXCEPT LETTUCE, FRESH FRUITS, EXCEPT CANTALOUPES, CANNED SAUER KRAUT, DRY BEANS, BOTTLED MILK AND CREAM, AND CANNED TOMATO JUICE.

Claims use since Jan. 26, 1904.

Ser. No. 427,791. GEORGE S. BUNN, SR., AND GEORGE S. BUNN, JR., doing business as Pulaski Candy & Grocery Company, Pulaski, Va., assignor to Christiansburg Canning Company, Pulaski, Va., a corporation of Virginia. Filed Jan. 24, 1940.



The picture is that of Count Pulaski of Revolutionary fame. The drawing is lined for blue, red, and gold.

FOR CANNED VEGETABLES, CANNED SPAGHETTI, CANNED PORK AND BEANS, CANNED TOMATO SOUP, CANNED CONDENSED VEGETABLE SOUP, AND CANNED SAUERKRAUT.

Claims use since Dec. 11, 1939.

Ser. No. 439,036. H. BARON & CO., INC., Linden, N. J., and New York, N. Y. Filed Dec. 20, 1940.

"6 TO 1"

FOR FRUIT SIRUPS FOR FLAVORING MILK AND FOOD DRINKS MADE FROM MILK.

Claims use since June, 1940.

Ser. No. 444,977. RAY E. PICKREL, St. Louis, Mo. Filed June 30, 1941. Under the act of February 20, 1905, as amended June 10, 1938.

Picks

FOR MINERAL FEED USED IN FEEDING ANIMALS AND POULTRY—NAMELY, HORSES, COWS, HOGS, DOGS, CHICKENS, TURKEYS, DUCKS, AND GEESE.

Claims use since May 1, 1940.

Ser. No. 449,833. GAINES FOOD CO. INC., Sherburne, N. Y. Filed Dec. 29, 1941.



The surname "Gaines" and the word "Dog" are disclaimed apart from the mark.
FOR DOG FOOD.
Claims use since Nov. 1, 1936.

Ser. No. 449,835. GAINES FOOD CO. INC., Sherburne, N. Y. Filed Dec. 29, 1941.



The surname "Gaines" and the word "Formula" are disclaimed apart from the mark.
FOR DOG FOOD.
Claims use since May 1, 1940.

Ser. No. 450,034. NINA STEPHENS, New York, N. Y. Filed Jan. 6, 1942.



The words "Essential Carrot Foods" and the representation of the carrot are disclaimed apart from the mark.
FOR BREADS, BISCUITS, COOKIES, SOUPS, CANDIES, ICE CREAM MIX, AND CARROT MALT IN POWDERED FORM FOR FOOD PURPOSES.
Claims use since July, 1939.

Ser. No. 453,505. CAL-ROYAL CO., INC., New York, N. Y. Filed June 6, 1942.

Cal-Royal

FOR DRIED AND DESICCATED FRUITS.
Claims use since May 29, 1942.

Ser. No. 453,619. GENERAL MILLS, INC., Minneapolis, Minn. Filed June 12, 1942.

PAN AROMA

FOR FLOUR DERIVED FROM WHEAT.
Claims use since Apr. 30, 1942.

Ser. No. 453,815. TEA GARDEN PRODUCTS CO., San Francisco, Calif. Filed June 22, 1942.



Applicant is the owner of trade-mark registration No. 251,716.
FOR IMITATION MAPLE SYRUP, JELLY, AND JAMS.
Claims use since July 10, 1920, on syrup; and since Apr. 6, 1942, on jams and jelly.

Ser. No. 453,912. ANTHONY N. CASTRO, doing business as Castro & Son, Los Angeles, Calif. Filed June 27, 1942.

RED FACE

FOR FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES.
Claims use since July 1, 1940.

Ser. No. 453,925. THE C. H. MUSSELMAN COMPANY, Biglerville, Pa. Filed June 27, 1942.

HARDY HARRY

FOR CANNED APPLE SAUCE, APPLES, APPLE BUTTER, JELLY, CHERRIES, TOMATO JUICE, VINEGAR, AND TOMATO PUREE, AND APPLE JUICE FOR FOOD PURPOSES.
Claims use since Feb. 27, 1942.

Ser. No. 453,934. VONEIFF-DRAYER COMPANY, Baltimore, Md. Filed June 27, 1942.

Miss America

No claim is made to the term "America" apart from the mark.
FOR CANDIES.
Claims use since Mar. 1, 1920.

Ser. No. 453,950. R. B. WILSON, Brawley, Calif., and Phoenix, Ariz. Filed June 29, 1942.



FOR FRESH VEGETABLES AND MELONS.
Claims use since Jan. 10, 1942, on fresh vegetables; and since June 18, 1942, on melons.

Ser. No. 454,080. CALIFORNIA MARINE CURING & PACKING CO., Terminal Island, Calif. Filed July 7, 1942.

PRIORITY

FOR CANNED FISH.
Claims use since Apr. 5, 1939.

CLASS 47

WINES

Ser. No. 452,760. AMERICAN WINE COMPANY, St. Louis, Mo. Filed May 4, 1942.

COOK'S Imperial

Applicant is the owner of Reg. No. 28,269, registered May 19, 1896, and renewed. No claim is made to the word "Cook's" apart from the mark.
FOR SPARKLING WINES AND STILL WINES.
Claims use since May 30, 1866.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 453,755. JACKSON BREWING COMPANY, New Orleans, La. Filed June 19, 1942.

TEX



FOR BEER.
Claims use since October, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 443,348. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y. Filed May 7, 1941.

LAMITEX

FOR TEXTILE FABRICS IN THE PIECE, HAVING A THERMOPLASTIC COATING THEREON, TO BE USED IN THE MANUFACTURE OF WINDOW SHADES, SHOWER CURTAINS, TABLE CLOTHS, DOILIES, AND THE LIKE.
Claims use since Feb. 15, 1941.

Ser. No. 445,472. RESPRO INC., Cranston, R. I. Filed July 18, 1941.

RESPROID

FOR CALENDERED AND/OR EXTRUDED PLASTIC COMPOSITION.
Claims use since June 25, 1941.

Ser. No. 450,857. ROBERT S. LEONARD COMPANY, Kansas City, Mo. Filed Feb. 9, 1942.

TOPS-All

FOR MILK BOTTLE CAPS.
Claims use since December, 1938.

Ser. No. 452,336. SEAL SAC INC., New York, N. Y. Filed Apr. 14, 1942.

SEAL-ETTES

The word "Seal" is disclaimed apart from the mark.
FOR BOWL COVERS.
Claims use since January, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 1, 1942

397,299. PERMANENT WAVE MACHINES. VERNON ISBELL, Fort Worth, Tex.
Filed October 19, 1938. Serial No. 411,781. PUBLISHED JUNE 23, 1942. Class 44.

397,300. COUPONS AND CERTIFICATES SOLD AS SUCH. CLINTON B. KNAPP, doing business as Flower of the Month Club Enterprises, Battle Creek, Mich.
Filed March 16, 1940. Serial No. 429,659. PUBLISHED JUNE 23, 1942. Class 38.

397,301. FRUIT FLAVORING CONCENTRATE FOR MAKING ICINGS, FILLINGS, AND JELLIES, IN ALL TYPES OF CAKES, COOKIES, FRUIT BARS, BUNS, BISCUITS, AND CREAM PIES. JOE LOWE CORPORATION, New York, N. Y.
Filed April 5, 1940. Serial No. 430,410. PUBLISHED JUNE 23, 1942. Class 46.

397,302. CANNED VEGETABLES, CANNED FRUITS, CANNED VEGETABLE SOUPS, CANNED EVAPORATED MILK, ETC. RECORD SUPPLY CORPORATION, Chicago, Ill.
Filed April 27, 1940. Serial No. 431,326. PUBLISHED JUNE 10, 1941. Class 46.

397,303. COMIC STRIP SERIES. ABRAHAM GOODMAN, doing business as Timely Publications, New York, N. Y., assignor to Timely Comics, Inc., New York, N. Y., a corporation of New York.
Filed September 7, 1940. Serial No. 435,757. PUBLISHED NOVEMBER 19, 1940. Class 38.

397,304. FINGER RINGS, BRACELETS, WATCH BRACELETS AND ATTACHMENTS NOT INCLUDING WATCHES. AXEL BROS. INC., New York, N. Y.
Filed April 1, 1941. Serial No. 442,158. PUBLISHED JUNE 23, 1942. Class 28.

397,305. COTTON TWINE. PIEDMONT COTTON MILLS, Egan, Ga.
Filed April 2, 1941. Serial No. 442,208. PUBLISHED JUNE 23, 1942. Class 7.

397,306. SWIVEL ATTACHMENT FOR ADJUSTABLE ADVERTISING DISPLAY, SWIVEL ATTACHMENTS FOR TRIPODS, SWIVEL ATTACHMENTS FOR BOOK SUPPORTS, AND SWIVEL ATTACHMENTS FOR MIRRORS. RELIANCE DEVICES COMPANY, INC., New York, N. Y.
Filed April 15, 1941. Serial No. 442,602. PUBLISHED JUNE 23, 1942. Class 13.

397,307. WHISKIES, BRANDIES, GINS, RUMS, ALCOHOLIC PUNCHES, CORDIALS, LIQUEURS, AND ALCOHOLIC BITTERS. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil.
Filed July 7, 1941. Serial No. 445,118. PUBLISHED JUNE 23, 1942. Class 49.

397,308. BLANK PRINTED FORMS AND ACCOUNT CARDS FOR USE IN A BANK SERVICE SYSTEM AND IN CONNECTION WITH TIME PAYMENT PAPER, ETC. BUFFALO INDUSTRIAL BANK, Buffalo, N. Y.
Filed July 8, 1941. Serial No. 445,171. PUBLISHED JUNE 23, 1942. Class 37.

397,309. CATTLE FEED AND POULTRY FEED. H. EARL DELAPP, doing business as De Lapp and Company, Waseca, Minn.
Filed August 8, 1941. Serial No. 446,076. PUBLISHED JUNE 23, 1942. Class 46.

397,310. PHOTOGRAPHS. ALLIED PRESS, Grand Rapids, Mich.
Filed September 8, 1941. Serial No. 446,852. PUBLISHED JUNE 23, 1942. Class 38.

397,311. PRINTING PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed September 10, 1941. Serial No. 446,945. PUBLISHED JUNE 23, 1942. Class 37.

397,312. WRITING AND TYPEWRITING PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed September 10, 1941. Serial No. 446,946. PUBLISHED JUNE 23, 1942. Class 37.

397,313. READY MIXED PAINTS. ELLIOTT PAINT & VARNISH CO., Chicago, Ill.
Filed September 29, 1941. Serial No. 447,391. PUBLISHED DECEMBER 9, 1941. Class 16.

397,314. WINES AND APERITIVE WINES. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil.
Filed October 1, 1941. Serial No. 447,455. PUBLISHED JUNE 23, 1942. Class 47.

397,315. FUR SKINS IN THE PIECE. KOFSKY BROS., INC., New York, N. Y.
Filed November 4, 1941. Serial No. 448,388. PUBLISHED JUNE 23, 1942. Class 1.

397,316. REFLECTING LETTERS FOR USE IN MAKING HIGHWAY ADVERTISING SIGNS. CONSOLIDATED OUTDOOR DISPLAY COMPANY, Fremont, Ohio.
Filed November 7, 1941. Serial No. 448,446. PUBLISHED JUNE 23, 1942. Class 50.

397,317. COMPRESSED COTTON DISCS FOR USE IN BATHING AND WASHING. PARFUMS SCHIAPARELLI, INC., New York, N. Y.
Filed November 29, 1941. Serial No. 449,054. PUBLISHED JUNE 16, 1942. Class 29.

397,318. COMPRESSED COTTON DISCS FOR USE IN BATHING AND WASHING. PARFUMS SCHIAPARELLI, INC., New York, N. Y.
Filed November 29, 1941. Serial No. 449,058. PUBLISHED JUNE 16, 1942. Class 29.

397,319. COMPRESSED COTTON DISCS FOR USE IN BATHING AND WASHING. PARFUMS SCHIAPARELLI, INC., New York, N. Y.
Filed December 11, 1941. Serial No. 449,385. PUBLISHED JUNE 16, 1942. Class 29.

397,320. BLUE PRINTS, PHOTO-STATS, PHOTO-PRINTS AND PAMPHLETS AND ADVERTISING MATTER SOLD AS SUCH. INDEPENDENT BLUE PRINT & SUPPLY COMPANY, also doing business as Independent Music Publishers, New York, N. Y.
Filed February 2, 1942. Serial No. 450,646. PUBLISHED JUNE 23, 1942. Class 38.

397,321. BLUE PRINTS, PHOTO-STATS, PHOTO-PRINTS AND PRINTED SHEET MUSIC, MUSIC PUBLICATIONS IN BOOK FORM. INDEPENDENT MUSIC PUBLISHERS, and also doing business as Independent Blue Print & Supply Company, New York, N. Y.
Filed February 2, 1942. Serial No. 450,647. PUBLISHED JUNE 23, 1942. Class 38.

397,322. VERMOUTHS. URBANA WINE COMPANY, INC., Urbana, N. Y.
Filed February 4, 1942. Serial No. 450,755. PUBLISHED JUNE 23, 1942. Class 47.

397,323. CANNED SALMON. BEACON IMPORTING COMPANY, Boston, Mass.
Filed February 9, 1942. Serial No. 450,844. PUBLISHED JUNE 23, 1942. Class 46.

397,324. PREPARED EDIBLE FILLING FOR SANDWICHES AND BUNS, AND SANDWICHES AND BUNS CONTAINING SAID FILLING. LON B. TURK, doing business as Turk & Turk, Oklahoma City, Okla.
Filed February 12, 1942. Serial No. 450,924. PUBLISHED JUNE 2, 1942. Class 46.

397,325. LUBRICATING OILS AND GREASES. THE CHAS. A. STRELINGER CO., Detroit, Mich.
Filed February 13, 1942. Serial No. 450,946. PUBLISHED JUNE 23, 1942. Class 15.

397,326. GASOLINE, LUBRICATING OILS, AND GREASES. AMERICAN OIL COMPANY, Baltimore, Md.
Filed February 16, 1942. Serial No. 450,990. PUBLISHED JUNE 16, 1942. Class 15.

397,327. AQUEOUS SOLUTIONS OF CASEIN WITH ADDED CHEMICAL INGREDIENTS TO WHICH PIGMENTS ARE ADDED TO FORM WATER-INKS OF DESIRED COLORS. THE BORDEN COMPANY, New York, N. Y.
Filed February 18, 1942. Serial No. 451,044. PUBLISHED JUNE 23, 1942. Class 11.

397,328. LIQUID LEVEL DETECTING ALARM ATTACHMENTS FOR LIQUID SUPPLY LINE NOZZLES TO WARN OPERATOR WHEN TANK IS FULL, SAID ATTACHMENTS BEING SOLD SEPARATELY OR COMPLETE WITH NOZZLES. SCULLY SIGNAL COMPANY, Cambridge, Mass.
Filed February 18, 1942. Serial No. 451,058. PUBLISHED JUNE 23, 1942. Class 26.

397,329. MOTOR FUEL OILS. EVANGELINE REFINING COMPANY, Jennings, La.
Filed February 18, 1942. Serial No. 451,050. PUBLISHED JUNE 23, 1942. Class 15.

397,330. LIQUEUR. SCHRANCK & SHAW INCORPORATED, Milwaukee, Wis.
Filed February 26, 1942. Serial No. 451,246. PUBLISHED JUNE 16, 1942. Class 49.

397,331. TRANSPARENT LIQUID COATING MATERIALS FOR WATER PROOFING AND DAMP-PROOFING PLASTER, MASONRY, TILE AND THE LIKE, WOOD, LINOLEUM, LEATHER, PAPER, ETC. X-PANDO CORPORATION, Long Island City, N. Y.
Filed February 26, 1942. Serial No. 451,252. PUBLISHED JUNE 23, 1942. Class 12.

397,332. WINES. PIRRONE WINERIES, INC., Garfield, N. J.
Filed February 28, 1942. Serial No. 451,318. PUBLISHED JUNE 23, 1942. Class 47.

397,333. THIN METALLIC PRINTING PLATES SECURED TO CURVED RIGID BASES. ELECTROGRAPHIC CORPORATION, New York, N. Y.
Filed March 4, 1942. Serial No. 451,431. PUBLISHED JUNE 23, 1942. Class 50.

397,334. WRAPPING PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed March 10, 1942. Serial No. 451,534. PUBLISHED JUNE 23, 1942. Class 37.

397,335. LUBRICATING OILS AND GREASES. FREEDOM OIL COMPANY, Freedom, Pa.
Filed March 19, 1942. Serial No. 451,746. PUBLISHED JUNE 16, 1942. Class 15.

397,336. PERIODICAL. YOUTH ASSOCIATES COMPANY, Minneapolis, Minn.
Filed March 19, 1942. Serial No. 451,758. PUBLISHED JUNE 23, 1942. Class 38.

397,337. PASTE CLEANSER SUITABLE FOR CLEANING PAINTED SURFACES. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed March 20, 1942. Serial No. 451,768. PUBLISHED JUNE 23, 1942. Class 4.

397,338. RUBBER SQUEEGEES. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed March 21, 1942. Serial No. 451,809. PUBLISHED JUNE 23, 1942. Class 29.

397,339. LUBRICATING OIL. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed March 21, 1942. Serial No. 451,814. PUBLISHED JUNE 23, 1942. Class 15.

397,340. CERAMIC DINNERWARE, COOKING WARE, VASES, JARS, JUGS, JARDINIERES, CROCKS, AND FLOWER POTS. NATIONAL SILVER COMPANY, New York, N. Y.
Filed March 24, 1942. Serial No. 451,874. PUBLISHED JUNE 23, 1942. Class 30.

397,341. ATMOSPHERE CORRECTING GAS CONVERTERS FOR HEAT TREATING FURNACES. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed March 26, 1942. Serial No. 451,920. PUBLISHED JUNE 23, 1942. Class 34.

397,342. LUBRICATING GREASES. MERCO NORDSTROM VALVE COMPANY, Pittsburgh, Pa.
Filed March 27, 1942. Serial No. 451,936. PUBLISHED JUNE 23, 1942. Class 15.

397,343. PRINTED PRESS RELEASE ISSUED FROM TIME TO TIME, CONTAINING NEWS AND NEWS FEATURES PREPARED FOR ORAL OR VISUAL PRESENTATION. UNITED PRESS ASSOCIATIONS, New York, N. Y.
Filed March 27, 1942. Serial No. 451,948. PUBLISHED JUNE 23, 1942. Class 38.

397,344. PRINTED PRESS RELEASES ISSUED FROM TIME TO TIME, CONTAINING NEWS AND NEWS FEATURES PREPARED FOR ORAL OR VISUAL PRESENTATION. UNITED PRESS ASSOCIATIONS, New York, N. Y.
Filed March 27, 1942. Serial No. 451,949. PUBLISHED JUNE 23, 1942. Class 38.

397,345. PRINTED PRESS RELEASES ISSUED FROM TIME TO TIME, CONTAINING NEWS AND NEWS FEATURES PREPARED FOR ORAL OR VISUAL PRESENTATION. UNITED PRESS ASSOCIATIONS, New York, N. Y.
Filed March 27, 1942. Serial No. 451,951. PUBLISHED JUNE 23, 1942. Class 38.

397,346. PRINTED PRESS RELEASES ISSUED FROM TIME TO TIME, CONTAINING NEWS AND NEWS FEATURES PREPARED FOR ORAL OR VISUAL PRESENTATION. UNITED PRESS ASSOCIATIONS, New York, N. Y.
Filed March 27, 1942. Serial No. 451,952. PUBLISHED JUNE 23, 1942. Class 38.

397,347. BUILDING CONSTRUCTION MATERIALS COMPRISING ROCK WOOL. NATIONAL GYPSUM COMPANY, Buffalo, N. Y.
Filed March 28, 1942. Serial No. 451,985. PUBLISHED JUNE 23, 1942. Class 12.

397,348. ACOUSTICAL CONSTRUCTION MATERIAL. NATIONAL GYPSUM COMPANY, Buffalo, N. Y.
Filed March 28, 1942. Serial No. 451,986. PUBLISHED JUNE 23, 1942. Class 12.

397,349. PAMPHLETS, BOOKLETS, BULLETINS, AND SIMILAR PUBLICATIONS PUBLISHED FROM TIME TO TIME. AMERICAN PUBLIC POWER ASSOCIATION, Washington, D. C.
Filed March 30, 1942. Serial No. 451,995. PUBLISHED JUNE 23, 1942. Class 38.

397,350. ELECTRICALLY OPERATED AUTOMOBILE BURGLAR ALARMS. MAX S. KARP, Los Angeles, Calif.
Filed April 3, 1942. Serial No. 452,129. PUBLISHED JUNE 23, 1942. Class 21.

397,351. LUBRICANT. GEORGE C. KRATT, JR., Nisswa, Minn.
Filed April 6, 1942. Serial No. 452,169. PUBLISHED JUNE 23, 1942. Class 15.

397,352. SERIES OF CARTOONS. TRIBUNE COMPANY, Chicago, Ill.
Filed April 6, 1942. Serial No. 452,177. PUBLISHED JUNE 23, 1942. Class 38.

397,353. CANDY. WILLIAMSON CANDY COMPANY, Chicago, Ill.
Filed April 6, 1942. Serial No. 452,179. PUBLISHED JUNE 23, 1942. Class 46.

397,354. WINES. HIPOLITO SANCHEZ, doing business as Sanchez Winery, Cucamonga, Calif.
Filed April 7, 1942. Serial No. 452,204. PUBLISHED JUNE 23, 1942. Class 47.

397,355. CANNED FRUITS, CANNED VEGETABLES, AND CANNED FISH. HUNT BROTHERS PACKING COMPANY, San Francisco, Calif.
Filed April 14, 1942. Serial No. 452,323. PUBLISHED JUNE 23, 1942. Class 46.

397,356. BAR STEEL. HORACE T. POTTS CO., Philadelphia, Pa.
Filed April 14, 1942. Serial No. 452,332. PUBLISHED JUNE 23, 1942. Class 14.

397,357. FRUITS IN GLASS AND CANNED VEGETABLES. SCHUCKL & CO., INC., also doing business as Sunnyvale Packing Company, San Francisco, Calif.
Filed April 20, 1942. Serial No. 452,461. PUBLISHED JUNE 23, 1942. Class 46.

397,358. PERIODICAL PUBLICATION. FLEETWINGS, INCORPORATED, Bristol, Pa.
Filed April 22, 1942. Serial No. 452,498. PUBLISHED JUNE 23, 1942. Class 38.

397,359. GLASS BOTTLES. BROCKWAY GLASS COMPANY, INC., Brockway, Pa.
Filed April 25, 1942. Serial No. 452,575. PUBLISHED JUNE 23, 1942. Class 33.

397,360. ARTICLE APPEARING MONTHLY IN A TRADE MAGAZINE. THE BRAMSON PUBLISHING COMPANY, Detroit, Mich.
Filed April 27, 1942. Serial No. 452,600. PUBLISHED JUNE 16, 1942. Class 38.

397,361. CANNED FRUIT JUICES. SUNLITE FRUIT JUICES, LTD., Hollywood, Calif.
Filed April 27, 1942. Serial No. 452,625. PUBLISHED JUNE 16, 1942. Class 46.

397,362. PHOTOGRAPHIC PRINTS. EASTMAN KODAK COMPANY, Jersey City, N. J. and Rochester, N. Y.
Filed May 1, 1942. Serial No. 452,717. PUBLISHED JUNE 16, 1942. Class 38.

397,363. FLOOR COVERING OF THE HARD-SURFACED FLEXIBLE TYPE HAVING A WEARING LAYER OF ASPHALTIC COMPOSITION. BIRD & SON, INC., East Walpole, Mass.
Filed May 2, 1942. Serial No. 452,738. PUBLISHED JUNE 23, 1942. Class 20.

397,364. BICYCLES. FOLDING CYCLES INC., New York, N. Y.
Filed May 5, 1942. Serial No. 452,802. PUBLISHED JUNE 23, 1942. Class 19.

397,365. RADIATOR AIR VALVES. W. A. RUSSELL & Co., Bridgeport, Conn.
Filed May 6, 1942. Serial No. 452,838. PUBLISHED JUNE 23, 1942. Class 13.

397,366. COMPRESSED COTTON DISCS FOR USE IN BATHING AND WASHING. PARFUMS SCHIAPARELLI, INC., New York, N. Y.
Filed May 7, 1942. Serial No. 452,868. PUBLISHED JUNE 16, 1942. Class 29.

397,367. POLISHING CLOTHS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed May 8, 1942. Serial No. 452,886. PUBLISHED JUNE 16, 1942. Class 29.

397,368. RUMS. MANY, BLANC & Co., INC., Chicago, Ill.
Filed May 9, 1942. Serial No. 452,910. PUBLISHED JUNE 23, 1942. Class 49.

397,369. BILLFOLDS. SEARS, ROEBUCK AND Co., Chicago, Ill.
Filed May 9, 1942. Serial No. 452,913. PUBLISHED JUNE 23, 1942. Class 3.

397,370. TOY PISTOL HOLSTERS, ADOLPH SCHWARTZ, New York, N. Y.
Filed May 11, 1942. Serial No. 452,930. PUBLISHED JUNE 23, 1942. Class 22.

397,371. POSTERS COMPOSED OF DISTINCTIVE DRAWINGS OR CARTOONS IN COLOR. BRESSLER EDITORIAL CARTOONS, INC., New York, N. Y.
Filed May 12, 1942. Serial No. 452,953. PUBLISHED JUNE 23, 1942. Class 38.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

397,372. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) CROWN LUGGAGE CO., Baltimore, Md. Filed Aug. 27, 1940. Serial No. 435,417.

AMERICANA

FOR LUGGAGE—NAMELY, WARDROBES, FITTED CASES, OVERNIGHT CASES, WEEK-END CASES, HAT BOXES, EMPTY VANITY AND MAKE-UP CASES, AND UTILITY CASES.
Claims use since Aug. 26, 1940.

397,373. (CLASS 38. PRINTS AND PUBLICATIONS.) COMIC MAGAZINES, INC., Stamford, Conn. Filed May 7, 1941. Serial No. 443,322.

MILITARY COMICS

FOR A PERIODICAL PUBLICATION.
Claims use since May 6, 1941.

397,374. (CLASS 38. PRINTS AND PUBLICATIONS.) COMIC MAGAZINES, INC., Stamford, Conn. Filed May 21, 1941. Serial No. 443,793.

POLICE COMICS

FOR A PERIODICAL PUBLICATION.
Claims use since May 16, 1941.

397,375. (CLASS 37. PAPER AND STATIONERY.) SAFE-T-POINT CO., New York, N. Y. Filed May 22, 1941. Serial No. 443,817.

"SAFE-T-POINT"

FOR DESK SPINDLES.
Claims use since Apr. 9, 1941.

397,376. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NEW YORK WELDING SUPPLY CO. INC., New York, N. Y. Filed May 23, 1941. Serial No. 443,851.

NEW YORK WELDING SUPPLIES SUPPLY CO. INC. "DUZ WELD"

FOR ELECTRODE HOLDERS FOR USE WITH ELECTRIC WELDING MACHINES, WELDING MACHINES, WELDING SHIELDS.
Claims use since Mar. 8, 1940.

397,377. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY MATIER & COMPANY, LIMITED, Belfast, Northern Ireland. Filed June 12, 1941. Serial No. 444,461.

ERINDALE

FOR LINEN PIECE GOODS, LINEN SHEETS, LINEN GLASS CLOTHS, LINEN HUCK TOWELS, DAMASK CLOTHS AND NAPKINS, LINEN CLOTHS.
Claims use since 1913.

397,378. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CLAUDE H. DANIELS, Stamford, Conn. Filed July 8, 1941. Serial No. 445,173.

ARCH-FORMER

FOR ARCH SUPPORTS, FOOT SUPPORTS, CUSHIONS, AND PADS FOR SHOES.
Claims use since June 16, 1941.

397,379. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed July 16, 1941. Serial No. 445,395.

BLACKS-ALL

FOR DRY AND READY MIXED PAINTS, PAINT ENAMELS, STAINS, LACQUERS, AND VARNISHES.
Claims use since June 27, 1941.

397,380. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLD ENGLISH FISH & CHIPS CO., Los Angeles, Calif. Filed Oct. 15, 1941. Serial No. 447,820.

Old London "THE REAL THING"

FOR A PACKAGE CONTAINING FRIED FISH AND POTATO CHIPS AND PREPARED BATTER FOR THE SAME.
Claims use since May 1, 1937.

397,381. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. BERTON HARRIS, Traverse City, Mich. Filed Oct. 23, 1941. Serial No. 448,050.

Berton's FROSTED Cherry Mints

FOR CANDY CONFECTION.
Claims use since July 1, 1941.

397,382. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE SITROUX COMPANY, INC., New York, N. Y. Filed Oct. 23, 1941. Serial No. 448,065.

AIR-I-ATED FLUFF

FOR SANITARY NAPKINS.
Claims use since July 19, 1941.

397,383. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PERFECT AUTOMATIC EGG-TIMER AND MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 19, 1941. Serial No. 449,627.

Perfect AUTOMATIC

FOR ELECTRICALLY OPERATED AND TIME CONTROLLED EGG-BOILERS.
Claims use since Jan. 1, 1917.

397,384. (CLASS 2. RECEPTACLES.) EDMOND C. MATIGNON, also doing business as Golden Gate Manufacturing Company, Oakland, Calif. Filed Jan. 24, 1942. Serial No. 450,454.

NEV·R·TIP

FOR FLOWER SUPPORTING RACKS.
Claims use since Mar. 15, 1938.

397,385. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KENNETH PECK, doing business as California Corn Growers, Coachella and Indio, Calif. Filed May 4, 1942. Serial No. 452,784.

KOLD 'N GOLDEN

FOR FRESH VEGETABLES—NAMELY, FRESH CORN.
Claims use since May 10, 1940.

397,386. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN CARLSON & SONS, INC., Springfield, Mass. Filed May 15, 1942. Serial No. 453,027.

CARLSON T SKATE

FOR ICE SKATES AND SHOES WITH ICE SKATES ATTACHED THERETO.
Claims use since July 11, 1930.

397,387. (CLASS 32. FURNITURE AND UPHOLSTERY.) HECHT'S FURNITURE HOUSE, INC., Baltimore, Md. Filed May 28, 1942. Serial No. 453,329.

Hecht's CASH BASEMENT CENTRE 326-328 N. PACA STREET ½ BLOCK NORTH OF LEXINGTON MARKET Now FURNITURE AT STARTLING SAVINGS OPERATED BY A 50-YEAR-OLD BALTIMORE FIRM

FOR HOUSEHOLD FURNITURE—NAMELY, TABLES, CHAIRS, BEDS, DRESSERS, HIGHBOYS, CHIFFONIERS, CHIFFOROBES, DRESSING TABLES, VANITIES, BENCHES, CLOTHING CABINETS, KITCHEN CABINETS, CHINAWARE CABINETS, LINEN CABINETS, COSTUMERS, TRUNK RACKS IN THE NATURE OF FURNITURE, STOOLS, BUFFETS, BOOK RACKS, MIRROR FRAMES, SECRETARIES, BOOKCASES, MAGAZINE STANDS, HANGING HALL RACKS, SEWING STANDS, DRESSING SCREENS, PARTITIONING SCREENS, FOLDING TRAY STANDS, DAVENPORTS, SOFAS, WARDROBES, TELEPHONE STANDS, TABORETS, DESKS, SETTEES, PICTURE FRAMES, PEDESTALS, AND STUDIO COUCHES.
Claims use since 1891.

397,388. (CLASS 32. FURNITURE AND UPHOLSTERY.) HECHT'S FURNITURE HOUSE, INC., Baltimore, Md. Filed May 28, 1942. Serial No. 453,330.

Modern House

FOR HOUSEHOLD FURNITURE—NAMELY, TABLES, CHAIRS, BEDS, DRESSERS, HIGHBOYS, CHIFFONIERS, CHIFFOROBES, DRESSING TABLES, VANITIES, BENCHES, CLOTHING CABINETS, KITCHEN CABINETS, CHINAWARE CABINETS, LINEN CABINETS, COSTUMERS, TRUNK RACKS IN THE NATURE OF FURNITURE, STOOLS, BUFFETS, BOOK RACKS, MIRROR FRAMES, SECRETARIES, BOOKCASES, MAGAZINE STANDS, HANGING HALL RACKS, SEWING STANDS, DRESSING SCREENS, PARTITIONING SCREENS, FOLDING TRAY STANDS, DAVENPORTS, SOFAS, WARDROBES, TELEPHONE STANDS, TABORETS, DESKS, SETTEES, PICTURE FRAMES, PEDESTALS, AND STUDIO COUCHES.
Claims use since Jan. 15, 1941.

397,389. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROY WEIR, doing business as Valley Fruit Company, Pharr, Tex. Filed June 1, 1942. Serial No. 453,404.

VALLEY FRUIT CO. QUALITY PACK

FOR FRESH VEGETABLES—NAMELY, TOMATOES.
Claims use since May 14, 1939.

397,390. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GRAY MARINE MOTOR COMPANY, Detroit, Mich. Filed June 6, 1942. Serial No. 453,509.

SPEEDGEAR

FOR MARINE ENGINES, PARTS, AND AUXILIARY UNITS, PARTICULARLY OF AND FOR MARINE ENGINES, OF VARIOUS TYPES PROPELLED BY GASOLINE, FUEL OIL, AND/OR OTHER COMBUSTIBLES.
Claims use since 1936.

TRADE-MARK REGISTRATIONS RENEWED

22,212. **"QUAIL" AND DRAWING.** ROLLED OATS, VELVET MEAL, CORN GRITS AND SELF-RISING GRIDDLE-CAKE FLOUR. Registered December 20, 1892. NEBRASKA CITY CEREAL MILLS, Nebraska City, Nebr. Re-renewed December 20, 1942, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, successor.

157,103. **ARROW.** RUBBER HEELS. Registered July 25, 1922. HOOD RUBBER COMPANY, Watertown, Mass. Renewed July 25, 1942, to The B. F. Goodrich Company, New York, N. Y., a corporation of New York, assignee by mesne assignments.

157,195. **REPRESENTATION OF A GREEN DISK.** BOOTS AND SHOES OF A COMBINATION OF LEATHER, RUBBER, AND FABRIC. Registered July 25, 1922. RUBBERHIDE COMPANY, Boston, Mass. Renewed July 25, 1942, to Rubberhide Company, Inc., Trenton, N. J., a corporation of New Jersey, assignee.

157,217. **"LIME TONE" AND DRAWING.** A MALTLESS, NONALCOHOLIC BEVERAGE SOLD AS A SOFT DRINK AND SIRUPS FOR THE MANUFACTURE OF THE SAME. Registered July 25, 1922. THEONETT & CO. INC., Chicago, Ill., a corporation of Illinois. Renewed July 25, 1942.

157,363. **"MIDDLETON'S" AND DRAWING.** CROUP OINTMENT. Registered August 1, 1922. AMBROSE MIDDLETON, Mansfield, Ohio. Renewed August 1, 1942.

157,477. **THE SNUG.** SHOES AND BOOTS OF LEATHER, CANVAS, WOOLEN CLOTH, RUBBER, PANAMA STRAW, AND OTHER FABRICS, FOR MEN, WOMEN, AND CHILDREN. Registered August 8, 1922. CHURCHILL & ALDEN CO. Renewed August 8, 1942, to Doyle Shoe Company, Inc., Brockton, Mass., a corporation of Massachusetts, assignee by mesne assignments.

157,522. **HURTY-PECK HIGH POWER.** FLAVORING SIRUPS FOR NONALCOHOLIC MALTLESS BEVERAGES. Registered August 8, 1922. HURTY-PECK & COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed August 8, 1942.

157,907. **COLONIAL DAMES.** BEAUTIFIER (PASTE FORM), ROUGE, SHAMPOO, HAIR TONIC, DEPILATORY, EYEBROW PENCIL. Registered August 22, 1922. COLONIAL DAMES BEAUTIFIER COMPANY. Renewed August 22, 1942, to Colonial Dames Company Ltd., Los Angeles, Calif., a corporation of California, assignee by mesne assignments.

158,085. **PANALGYN.** MEDICINAL TONIC FOR TREATMENT OF RHEUMATISM. Registered August 22, 1922. SHARP & DOHME, Baltimore, Md. Renewed August 22, 1942, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

158,497. **NIX.** DEODORANTS. Registered September 5, 1922. KENNETH W. MOORE, Chicago, Ill. Renewed September 5, 1942, to Nix Cosmetics Company, Memphis, Tenn., a corporation of Tennessee, assignee by mesne assignments.

158,713. **ROLETTE.** STOCKINGS. Registered September 12, 1922. JULIUS KAYSER & CO., New York, N. Y., a corporation of New York. Renewed September 12, 1942.

158,714. **SLIPPER-HEEL.** STOCKINGS. Registered September 12, 1922. JULIUS KAYSER & CO., New York, N. Y., a corporation of New York. Renewed September 12, 1942.

158,771. **TRUE BLUE.** MEN'S WORK SHIRTS, BOYS' WORK SHIRTS, BOYS' BLOUSES AND PLAY SUITS. Registered September 12, 1922. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed September 12, 1942, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

158,883. **NUTYPE.** TYPE CLEANER. Registered September 19, 1922. ANTHONY NUTYPE COMPANY, INC., assignor by mesne assignments to Lawrence R. Meekins, Baltimore, Md. Renewed September 19, 1942, to Walter G. Giles Company, Crownsville, Md., a firm, assignee by mesne assignments.

159,422. **LUNKENHEIMER.** CERTAIN MACHINES AND PARTS OF MACHINERY. Registered September 26, 1922. THE LUNKENHEIMER COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed September 26, 1942.

159,444. **TILE-LIKE.** VARNISH STAIN. Registered September 26, 1922. BENJAMIN MOORE & CO., Jersey City, N. J., and Brooklyn, N. Y. Renewed September 26, 1942, to Benjamin Moore & Co., Jersey City, N. J., and New York, N. Y., a corporation of New Jersey.

159,598. **REPRESENTATION OF A SPEAR.** SUGAR-COATED CHEWING GUM. Registered September 26, 1922. WM. WRIGLEY JR. COMPANY. Renewed September 26, 1942, to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware, assignee.

159,599. **REPRESENTATION OF A SPEAR AND GROTESQUE MALE FIGURE.** SUGAR-COATED CHEWING GUM. Registered September 26, 1922. WM. WRIGLEY JR. COMPANY. Renewed September 26, 1942, to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware, assignee.

159,796. **"AICO" AND DRAWING.** INSULATING COMPOSITION MATERIALS FOR THE MANUFACTURE OF ELECTRICAL AND HEAT INSULATION IN MOLDED FORM AND PLASTIC INSULATING COMPOSITIONS. Registered October 10, 1922. AMERICAN INSULATOR COMPANY. Renewed October 10, 1942, to American Insulator Corporation, New Freedom, Pa., a corporation of Delaware, successor.

160,159. **"BILLY-KIT" AND DRAWING.** BRAIDED COTTON FISHING LINES. Registered October 17, 1922. CORTLAND LINE COMPANY, INC., Cortland, N. Y., a corporation of New York. Renewed October 17, 1942.

160,160. **"HANDICAP" AND DRAWING.** JAPAN-SILK WATERPROOF FISHING LINES. Registered October 17, 1922. CORTLAND LINE COMPANY, INC., Cortland, N. Y., a corporation of New York. Renewed October 17, 1942.

160,166. **"GOLDEN GATE" AND DRAWING.** PURE-JAPAN-SILK FISHING LINES. Registered October 17, 1922. CORTLAND LINE COMPANY, INC., Cortland, N. Y., a corporation of New York. Renewed October 17, 1942.

160,263. **PALACE GREEN.** GRASS SEED. Registered October 17, 1922. IVAN OSTBERG, doing business as Ostberg Seed Co., Chicago, Ill. Renewed October 17, 1942.

160,386. **"COMMON SENSE" AND DRAWING.** TRAVELER'S EXPENSE BOOK. Registered October 24, 1922. BEACH PUBLISHING COMPANY, Detroit, Mich., a firm. Renewed October 24, 1942.

160,426. **"TROUT-DALE" AND DRAWING.** ENAMELED JAPAN-SILK FISHING LINES. Registered October 24, 1922. CORTLAND LINE COMPANY, INC., Cortland, N. Y., a corporation of New York. Renewed October 24, 1942.

160,429. **"ATHLETE" AND DRAWING.** FISHING LINES. Registered October 24, 1922. CORTLAND LINE COMPANY, INC., Cortland, N. Y., a corporation of New York. Renewed October 24, 1942.

160,430. **"SUBMARINE" AND DRAWING.** SILK FISHING LINES. Registered October 24, 1922. CORTLAND LINE COMPANY, INC., Cortland, N. Y., a corporation of New York. Renewed October 24, 1942.

160,431. **"EBONY" AND DRAWING.** SILK FISHING LINES. Registered October 24, 1922. CORTLAND LINE COMPANY, INC., Cortland, N. Y., a corporation of New York. Renewed October 24, 1942.

160,432. **"CARDIFF GIANT" AND DRAWING.** SILK FISHING LINES. Registered October 24, 1922. CORTLAND LINE COMPANY, INC., Cortland, N. Y., a corporation of New York. Renewed October 24, 1942.

160,434. **"PLYMOUTH ROCK" AND DRAWING.** JAPAN-SILK FISHING LINES. Registered October 24, 1922. CORTLAND LINE COMPANY, INC., Cortland, N. Y., a corporation of New York. Renewed October 24, 1942.

160,623. **FLORIDAINTY.** CITRUS FRUITS IN THEIR NATURAL STATE. Registered October 24, 1922. PITTSBURGH-FLORIDA FRUIT GROWERS ASSOC. Renewed October 24, 1942, to Avon Florida Citrus Corporation, Avon Park, Fla., a corporation of Florida, assignee.

160,900. **KOMO.** CERTAIN NAMED CHEMICAL PREPARATIONS. Registered October 31, 1922. KOMO CHEMICAL CO., INC., Philadelphia, Pa., a corporation of New Jersey. Renewed October 31, 1942.

160,910. **"FORT SUTTER" AND DRAWING.** CANNED FRUITS, VEGETABLES, AND FISH; SPICES, TABLE SIRUP, MUSTARD, FOOD OILS. Registered October 31, 1922. THE BERT MCDOWELL COMPANY, Sacramento, Calif., a corporation of California. Renewed October 31, 1942.

160,916. **MARK.** CUP LEATHERS. Registered October 31, 1922. MARK MANUFACTURING COMPANY, Chicago, Ill. Renewed October 31, 1942, to The Youngstown Steel Products Company, Youngstown, Ohio, a corporation of Ohio, assignee.

161,103. **"NIMROD" AND DRAWING.** JAPAN HARD BRAID SILK FISHING LINES. Registered November 7, 1922. CORTLAND LINE COMPANY, INC., Cortland, N. Y., a corporation of New York. Renewed November 7, 1942.

161,565. **CALSOM.** COLD-WATER WALL FINISH. Registered November 14, 1922. BENJAMIN MOORE & CO., Jersey City, N. J., and Brooklyn, N. Y. Renewed November 14, 1942, to Benjamin Moore & Co., Jersey City, N. J., and New York, N. Y., a corporation of New Jersey

161,566. **"IMPERVO" AND DRAWING.** STAINS AND FINISHES. Registered November 14, 1922. BENJAMIN MOORE & CO., Jersey City, N. J., and Brooklyn, N. Y. Renewed November 14, 1942, to Benjamin Moore & Co., Jersey City, N. J., and New York, N. Y., a corporation of New Jersey.

161,586. **LADY-LYKE.** CORSETS; WOMEN'S UNDERWEAR—NAMELY, VESTS, BLOOMERS, DRAWERS, PRINCESS SLIPS, UNION SUITS, CHEMISE, CAMISOLES, AND WOMEN'S NIGHTGOWNS. Registered November 14, 1922. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed November 14, 1942, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

161,618. **TOWN AND COUNTRY.** BROAD SILKS IN THE PIECE. Registered November 14, 1922. SCHWARZENBACH HUBER CO., West Hoboken, N. J., and New York, N. Y. Renewed November 14, 1942, to The Schwarzenbach Huber Company, New York, N. Y., a corporation of New Jersey.

161,785. **TRIMOSAW.** SAWING AND TRIMMING MACHINES. Registered November 21, 1922. HILL-CURTIS CO. Renewed November 21, 1942, to Hammond Machinery Builders, Inc., Kalamazoo, Mich., a corporation of Michigan, by change of name.

161,980. **SCINTILLA.** CERTAIN MEASURING AND SCIENTIFIC APPLIANCES. Registered November 28, 1922. SCINTILLA. Renewed November 28, 1942, to Scintilla A.-G., (Scintilla S. A.) (Scintilla S. A.) (Scintilla Ltd.), formerly known as Scintilla, Solothurn, Switzerland, a corporation of the Swiss Confederation, by change of name.

162,070. **FAIRFACTS.** CERTAIN BATHROOM FIXTURES. Registered December 5, 1922. THE FAIRFACTS COMPANY, INC., New York, N. Y., a corporation of New York. Renewed December 5, 1942.

162,271. **RA-TOX.** WOOD-SLAT SHADES. Registered December 12, 1922. HOUGH SHADE CORPORATION, Janesville, Wis., a corporation of Connecticut. Renewed December 12, 1942.

162,330. **WARD'S.** NONALCOHOLIC, MALTLESS BEVERAGES AND CONCENTRATES AND COMPOUNDS FOR MAKING THE SAME. Registered December 12, 1922. ORANGE-CRUSH COMPANY, Chicago, Ill., a corporation of Illinois. Renewed December 12, 1942.

162,586. **RUTLAND.** LIQUID STOVE POLISH, METAL POLISH, ENAMEL CLEANER, AND WASTE-PIPE CLEANER. Registered December 19, 1922. RUTLAND FIRE CLAY CO., Rutland, Vt., a corporation of Vermont. Renewed December 19, 1942.

162,676. **"DR. BELL'S" AND DRAWING.** CERTAIN NAMED MEDICINAL PREPARATIONS. Registered December 26, 1922. THE DR. BELL MEDICINE COMPANY, Louisville, Ky., and New York, N. Y. Renewed December 26, 1942, to Dr. Bell Medicine Co., Inc., New York, N. Y., a corporation of Delaware, assignee.

162,710. **"FOR RESTFUL SLEEP" AND DRAWING.** BEDS, CRIBS, BED SPRINGS, AND COTS AND MATTRESSES. Registered December 26, 1922. CRESCENT BED CO. LTD. Renewed December 26, 1942, to Crescent Bed Company, Inc., New Orleans, La., a corporation of Louisiana, by change of name.

162,732. **"ECHO" AND DRAWING.** HAM. Registered December 26, 1922. ECKERT PACKING COMPANY. Renewed December 26, 1942, to Eckert Packing Company, Inc., Henderson, Ky., a corporation of Kentucky, successor.

162,871. **"EL VIGOR" AND DRAWING.** WHEAT FLOUR. Registered December 26, 1922. THE RED STAR MILLING COMPANY, Wichita, Kans. Renewed December 26, 1942, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

162,903. **SWANEE.** PACKAGED BACON. Registered December 26, 1922. JOSEPH STERN & SONS, INC., New York, N. Y. Renewed December 26, 1942, to Armour and Company of Delaware, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

163,007. **REPRESENTATION OF A STAR.** COTTON THREAD FOR KNITTING, EMBROIDERY, CROCHETING, LACE AND ART, AND COTTON YARN. Registered January 2, 1923. THE AMERICAN THREAD COMPANY, New York, N. Y., a corporation of New Jersey. Renewed January 2, 1943.

163,019. **"BARBOUR'S" AND DRAWING.** LOCK-STITCH MACHINE THREAD. Registered January 2, 1923. THE BARBOUR BROTHERS CO., Paterson, N. J. Renewed January 2, 1943, to The Linen Thread Co., Inc., New York, N. Y., a corporation of Delaware, assignee.

163,045. **CRAWFORD.** COVERS AND RECOVERS FOR USE ON AUTOMOBILES AND CERTAIN NAMED ACCESSORIES FOR AUTOMOBILES. Registered January 2, 1923. CRAWFORD MANUFACTURING CO., INC., Richmond, Va., a corporation of Virginia. Renewed January 2, 1943.

163,101. **"RAKCO" AND DRAWING.** ROPE AND HARD-FIBER SISAL AND MANILA HEMP CORDAGE. Registered January 2, 1923. THE R. A. KELLY CO., Xenia, Ohio, a corporation of Ohio. Renewed January 2, 1943.

163,191. **LITHOLINE.** PETROLEUM JELLY FOR MEDICINAL AND SURGICAL PURPOSES. Registered January 2, 1923. UNION PETROLEUM COMPANY, Philadelphia, Pa. Renewed January 2, 1943, to Sinclair Refining Company, New York, N. Y., a corporation of Maine, assignee.

163,276. **"BEECH-NUT" AND DRAWING.** BREAD. Registered January 9, 1923. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y., a corporation of New York. Renewed January 9, 1943.

163,301. **CREO-DIPT.** STAINS. Registered January 9, 1923. CREO-DIPT COMPANY, INC., North Tonawanda, N. Y., a corporation of New York. Renewed January 9, 1943.

163,307. **DE WITTS.** CERTAIN NAMED TOILET AND MEDICINAL PREPARATIONS. Registered January 9, 1923. E. C. DE WITT & CO., INC., New York, N. Y., and Chicago, Ill. Renewed January 9, 1943, to E. C. De Witt & Co. Inc., Chicago, Ill., a corporation of New York.

163,378. **OCTAVE CHENILLE.** COTTON PIECE GOODS. Registered January 9, 1923. NEW YORK MILLS CORPORATION, New York Mills, N. Y. Renewed January 9, 1943, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware, assignee.

163,420. **BENETCO.** GALVANIZED BLACK IRON AND SHEET IN IRON SHIPPING CONTAINERS. Registered January 9, 1923. WILSON & BENNETT MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 9, 1943.

163,464. **"COLT" AND DRAWING.** FIREARMS—NAMELY, RIFLES, PISTOLS, GUNS, MACHINE GUNS, AND EQUIPMENT. Registered January 16, 1923. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed January 16, 1943.

163,556. **TASTE O'THE WEST.** CANNED FRUITS AND CANNED VEGETABLES. Registered January 23, 1923. CALIFORNIA CO-OPERATIVE CANNERIES, San Jose, Calif. Renewed January 23, 1943, to Tri-Valley Packing Association, San Francisco, Calif., a corporation of California, assignee.

163,575. **RESILIO.** CRAVATS AND SCARFS. Registered January 23, 1923. FRANC, STROHMENGER & COWAN, INC., New York, N. Y. Renewed January 23, 1943, to Franc, Strohmenger & Cowan, Inc., Troy, N. Y., a corporation of New York, assignee by mesne assignments.

163,583. **KATTLE-KANDY.** A STOCK FOOD. Registered January 23, 1923. GEORGE F. HORTON, doing business as Horton & Horton, Houston, Tex. Renewed January 23, 1943.

163,603. **LONG STAPLE. SELF-RISING WHEAT FLOUR.** Registered January 23, 1923. MORROW MILLING COMPANY. Renewed January 23, 1943, to Morrow Milling Company, Carthage, Mo., a corporation of Missouri, assignee.

163,611. **BENTEKNIT.** BATHING SUITS AND SWEATERS. Registered January 23, 1923. PACIFIC KNITTING MILLS, INC. Renewed January 23, 1943, to Catalina Knitting Mills, Los Angeles, Calif., a corporation of California, by change of name.

163,624. **RED TOP.** WOOLEN HUNTING SOCKS. Registered January 23, 1923. CALEB SMITH, doing business as Seneca Knitting Co. Renewed January 23, 1943, to Seneca Knitting Mills, Inc., Seneca Falls, N. Y., a corporation of New York, assignee by mesne assignments.

163,636. **PLAY GIRL.** CHILDREN'S DRESSES. Registered January 23, 1923. THE UNITED GARMENT COMPANY. Renewed January 23, 1943, to G. H. Hess, Inc., Louisville, Ohio, a corporation of Ohio, successor.

163,642. **FAIRY SPONGE.** CAKES. Registered January 23, 1923. WARD BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed January 23, 1943.

163,704. **RAINBOW.** WRAPPING PAPER. Registered January 23, 1923. THE ANCHOR PAPER COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed January 23, 1943.

163,718. **JEWEL.** PARTICULAR EDITION OF THE NEW TESTMENT. Registered January 23, 1923. A. J. HOLMAN COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed January 23, 1943.

163,731. **FINELEAF.** "MAKE-READY" PRINTING PAPER. Registered January 23, 1923. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed January 23, 1943.

163,754. **"MIRROLIKE" AND DRAWING.** TRANSMISSION GREASE, GEAR GREASE, LUBRICATING OILS AND GREASES. Registered January 23, 1923. MIRROLIKE MFG. CO., Long Island City, N. Y., a corporation of New York. Renewed January 23, 1943.

163,756. **CAMSONLITE.** ENAMEL PAINTS; READY-MIXED, DRY, AND PASTE PAINTS; VARNISHES, AND FLOOR WAX. Registered January 23, 1923. C. A. NASH & SON, INC., Norfolk, Va., a corporation of Virginia. Renewed January 23, 1943.

163,766. **"UNITED" AND DRAWING.** PREMIUM TOKENS AND COUPONS. Registered January 23, 1923. UNITED PROFIT-SHARING CORPORATION, New York, N. Y., a corporation of New York. Renewed January 23, 1943.

REISSUES

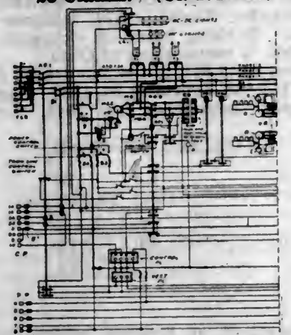
SEPTEMBER 1, 1942

22,168
ELECTRIC LIGHT AND POWER SYSTEM

William S. H. Hamilton, Larchmont, N. Y., assignor to The New York Central Railroad Company, a corporation of New York

Original No. 2,153,247, dated April 4, 1939, Serial No. 179,209, December 10, 1937. Application for reissue December 18, 1941, Serial No. 423,551

23 Claims. (Cl. 171—97)



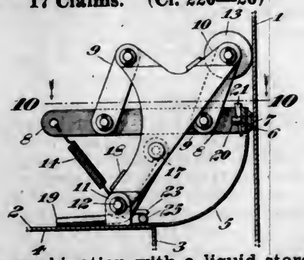
1. In a system for supplying electric current to the bus lines of a plurality of sections of a train-line conductor arranged on different cars of a train, unitary duplex coupler members at the ends of the conductor sections to electrically couple the same together, a source of current supply, means for connecting the same with one of the conductor sections for energizing said conductor section, the unitary coupler member at each end of each conductor section having duplicate sets of contacts operatively connected for properly coupling the same with the coupler member of another conductor section in any relative end to end relationship of the said conductor sections, and switch devices rendered active upon the coupling of the complex sections and when said conductor section is energized to successively energize the other conductor sections.

22,169
FLOATING ROOF SEAL

Hans Hammeren, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania

Original No. 2,180,587, dated November 21, 1939, Serial No. 179,050, December 10, 1937. Application for reissue November 21, 1941, Serial No. 420,037

17 Claims. (Cl. 220—26)



1. The combination with a liquid storage tank and a floating roof therefor, of a flexible sealing member secured at one edge of the roof for closing the annular space between the edge of the roof and the tank, a contact bar secured to the free edge of the sealing member adjacent the wall of the tank, a carrier bar for the free edge of the seal, a supporting member attached to said carrier bar, an upwardly projecting bracket hinged at its lower end to the roof and having a bearing at its upper end for contact with the wall of the tank, and links pivotally attached to said bracket and to said supporting member so as to maintain said supporting member in horizontal swinging position.

22,170
PROCESS OF PREPARING DRIED MILK

Ninni Maria Kronberg, Rydsgard, Sweden, assignor to Svenska Mjolkprodukter Aktiebolag, Stockholm, Sweden, a corporation of Sweden

No Drawing. Original No. 2,213,283, dated September 3, 1940, Serial No. 224,539, August 12, 1938. Application for reissue August 27, 1941, Serial No. 408,551. In Sweden January 9, 1933

3 Claims. (Cl. 99—59)

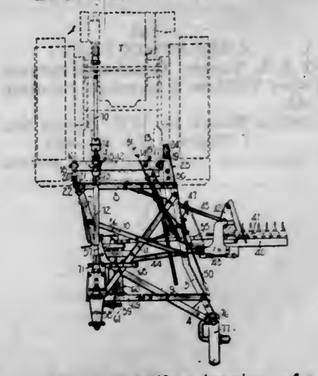
1. A process for producing a powdered milk product which comprises preparing an aqueous non-milky medium, suspending and propagating therein a culture of lactic acid bacteria in a manner retaining the vital power, preparing a separate milk portion to which said suspension is added, thereupon subjecting the resulting mixture to homogenization, and thereafter drying the homogenized mixture to powder without impairing the implanted lactic acid bacteria.

22,171
MOWER

Talbert W. Paul, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Original No. 1,946,544, dated February 13, 1934, Serial No. 670,864, May 13, 1933. Application for reissue June 8, 1942, Serial No. 446,257

12 Claims. (Cl. 56—25)



9. The combination with a tractor, of a mower comprising a frame and cutting mechanism carried thereby and extending laterally thereof from one side, said frame including a generally lon-

gitudinally extending frame bar extending laterally and rearwardly to a point substantially behind the tractor wheel of the tractor at the side from which said cutting mechanism extends, means connecting said mower frame to the tractor at laterally spaced points providing for vertical swinging movement of the mower frame relative to the tractor including a connection at the side opposite that to which said cutting mechanism extends providing for horizontal swinging movement of said mower frame out of operating position behind the tractor, a releasable latch for releasably holding said mower frame in operating position, and means including at least one caster wheel disposed at the rear end of said frame bar for supporting the rear of the frame from the ground, whereby said mower will follow the contour of the ground independently of the tractor.

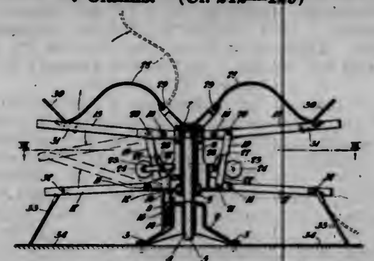
22,172

APPARATUS FOR UNREELING BUNDLES OF COILED WIRE AND THE LIKE

George H. Rose, Cleveland Heights, Ohio

Original No. 2,263,889, dated November 25, 1941, Serial No. 285,164, July 18, 1939. Application for reissue April 20, 1942, Serial No. 439,778

7 Claims. (Cl. 242—129)



1. A device of the class described comprising a vertically disposed member rotatably mounted, at least three pairs of arms carried by said member extending outwardly therefrom with each of said arms having their inner ends pivotally attached to said member, the arms of each pair being spaced apart and arranged one above the other, disengageable means for holding said arms against pivotal movement on said member, and means interconnecting the inner ends of each pair of said arms which is adapted to move the outer free ends thereof toward each other when the holding means is disengaged so as to facilitate the placing of the coils of wire thereon.

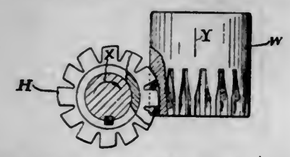
22,173

METHOD OF HOBBING GEARS

Otis E. Staples, Euclid, Ohio, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio, a corporation of Ohio

Original No. 2,211,611, dated August 13, 1940, Serial No. 127,432, February 24, 1937. Application for reissue September 18, 1941, Serial No. 411,376

2 Claims. (Cl. 90—4)



1. The method of hobbing which comprises rotating a blank to be cut about a vertical axis while moving the same vertically in cutting relation past a hob rotated in timed relation to the rotation of the blank and in such a direction relative to the direction of feed that the hob cuts from the periphery of the blank towards the center with the vertical component of the cutting thrust produced thereby acting upon the work in the direction in which the blank is moving.

PLANT PATENTS

GRANTED SEPTEMBER 1, 1942

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

544

CARNATION PLANT

Dorothy A. L. Napier, Taunton, England, assignor to Walter William Gammage, London, Ontario, Canada

Application March 12, 1942. Serial No. 434,433

1 Claim. (Cl. 47—60)

The carnation variety herein shown and described, characterized particularly by its ease of propagation; its great degree of success in being carried over into the second and third years in greenhouse culture; its very prolific production of blossoms; the sturdy nature of the calyx; and the distinctive brilliant cerise color of its large blossoms as indicated.

PATENTS

GRANTED SEPTEMBER 1, 1942

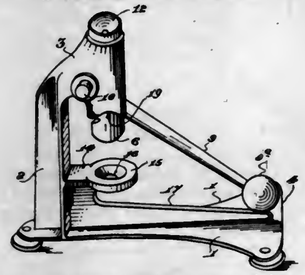
2,294,358

PECAN CRUSHING DEVICE

Charles A. Aber, Marshall, Tex.

Application July 11, 1941, Serial No. 401,900

2 Claims. (Cl. 146—16)



1. A nut cracking device, comprising a unitary frame member having an elongated base adapted to rest upon a substantially horizontal surface, an integral upright post projecting upwardly from one end of the base while a substantial portion of the base extends outwardly beyond the head and to both sides thereof to give stability to the device, an integral hollow cylindrical head projecting laterally from said post partially over the base, and a horizontal shelf projecting from said post beneath said head and spaced from the head and from the base, said shelf having a cuplike nut receiving cavity therein with a central aperture in alignment with the vertical axis of said cylindrical head; a reciprocable plunger detachably mounted in said head and reversible end for end, said plunger having cavities of different sizes in opposite ends thereof adapted to accommodate nuts of different sizes, and means for actuating said plunger to and fro with reference to said base.

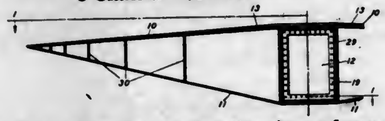
2,294,359

AIRPLANE WING AND FUSELAGE

Frank Ellison Best, Indianapolis, Ind.

Application July 10, 1939, Serial No. 283,551

8 Claims. (Cl. 244—117)



1. In an airplane, a wing structure of one piece molded construction comprising a medially disposed cabin portion, and upper and lower plane members extending in opposite directions from said cabin portion, said upper and lower plane members converging toward their outer ends and being united at their tip portions.

2,294,360

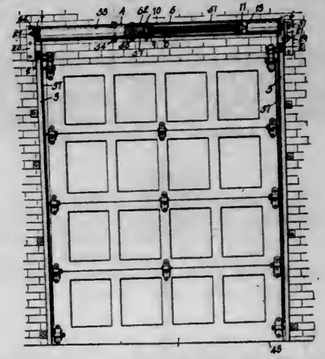
COUNTERBALANCE FOR VERTICALLY SLIDING DOORS

Herbert Cady Blodgett, Hartford City, Ind., assignor to Overhead Door Corporation, Hartford City, Ind., a corporation of Indiana

Application July 5, 1938, Serial No. 217,477

9 Claims. (Cl. 20—20)

5. In a counterbalancing mechanism for a vertically sliding door, a winding drum having coaxial tubular portions telescoping with one another and normally disposed in fixed angular relation to one another, a pair of cable elements each attached at one end to said door and at the other end to the respective drum portions and wound on the latter, and means for compensating for inequalities in the tension of said



cable elements, comprising means at the zone of overlap of said drum portions for shifting one portion relative to the other and locking said portions in their adjusted position in fixed angular relation to one another, said drum sections constituting the sole means for transmitting torque along the drum from one end thereof to the other.

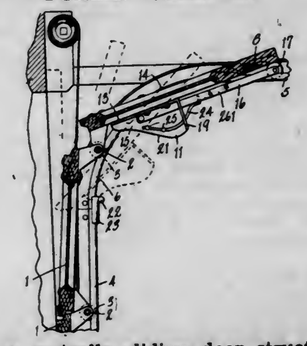
2,294,361

CLOSURE DEVICE FOR VERTICALLY ACTING DOORS

Herbert Cady Blodgett, Hartford City, Ind., assignor to Overhead Door Corporation, Hartford City, Ind.

Application April 22, 1940, Serial No. 330,939

4 Claims. (Cl. 20—20)



4. In a vertcally sliding door structure, the combination with a door jamb, of a track comprising a vertical portion, a horizontal portion, and a curved intermediate portion, a horizontally articulated sectional door provided with guide rollers adjacent the articulation joints, said door including an upper section swingable on its articulated joint to and from the door jamb, a bracket

having an integral downwardly and forwardly inclined rearwardly facing cam mounted upon the upper door section in substantially spaced position below the top thereof, an abutment on the track with which said cam engages when the door is moved to closed position for moving the top section against the jamb, an upwardly projecting arm pivoted on said bracket and provided with a track engaging guide at its outer end, and means coacting with said bracket and arm to resiliently bias the latter whereby to maintain said cam against the abutment and prevent slamming of the upper section in closing, said top section being supported by said arm when the top section is in collapsed position.

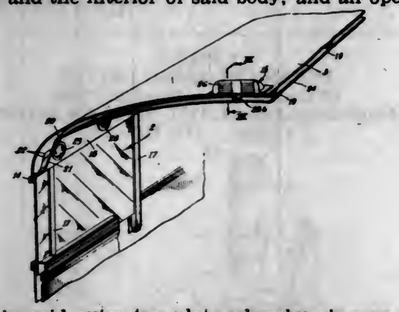
2,294,362
AUTOMOTIVE VEHICLE ANTENNA
Leon S. Brach, East Orange, N. J., assignor to L. S. Brach Mfg. Corp., Newark, N. J.
Application December 12, 1939, Serial No. 308,880
16 Claims. (Cl. 250—33)



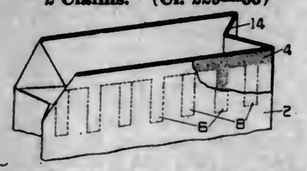
1. An automotive vehicle radio antenna comprising a plurality of telescopic sections, means for operating the sections including a pair of friction rollers of insulating material positioned to consecutively grip said sections therebetween, a pair of gears in constant mesh with means for turning at least one of them, each of said gears being connected to one of said friction rollers, said connections including a flexible drive so the friction rollers will separate without displacing the gears, to accommodate a section of larger diameter as the sections are extended, and resilient means for constantly urging said friction rollers toward each other.

2,294,363
VEHICLE BODY CONSTRUCTION
Murillo M. Brockway, Los Angeles, Calif.
Original application October 7, 1938, Serial No. 233,786. Divided and this application November 13, 1939, Serial No. 304,079
3 Claims. (Cl. 98—2)

1. In a vehicle body comprising a pair of body sides, a floor, an upwardly arched top including an inner top plate and an outer top plate, and a plurality of laterally extending rafters for supporting said top, said rafters being spaced longitudinally of the top to define an air cell between each adjacent pair of rafters, the combination of a longitudinally extending structural member disposed adjacent the junction between said top and said body side and forming a part of said body side, said member being arched downwardly to define a passageway between said member and said top; means communicating between each of said cells and said passageway; an orifice in said member communicating between said passageway and the interior of said body; and an opening in said outer top plate whereby air may be circulated from the interior of said body through said orifice, passageway, cell and opening to the exterior of said body.

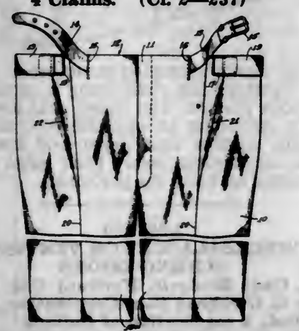


2,294,364
MULTIPLY BAG
Andrew E. Currier, Gilman, Vt., assignor to Bagpak, Inc., New York, N. Y., a corporation of Delaware
Refiled for abandoned application Serial No. 637,800, October 14, 1932. This application August 25, 1937, Serial No. 160,870
2 Claims. (Cl. 229—55)



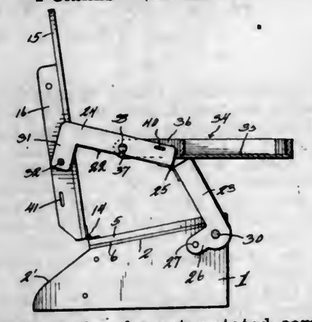
1. A bag blank composed of a plurality of nested tubes of paper secured together at their end edges by strips of adhesive, with additional bars of adhesive extending therefrom, substantially longitudinally of the blank, the bars between adjacent plies being in staggered relation to each other.

2,294,365
WAISTBAND CONSTRUCTION FOR GARMENTS
Ernest A. De Rose, Mount Vernon, N. Y.
Application June 9, 1941, Serial No. 397,173
4 Claims. (Cl. 2—237)



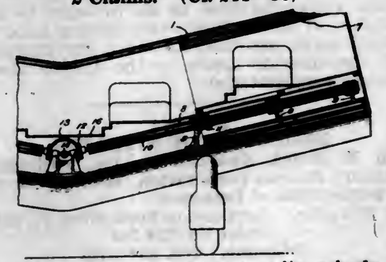
1. A garment having a leg covering portion, a waistband portion, and means for forming pleats in the front portions of said garment and adjusting the size of said waistband portion by varying the width of said pleats comprising a pair of flexible members having their inner ends fixed in spaced relation to the front of the outside of said waistband portion, loops for receiving said flexible members attached to the front of the outside of said waistband portion in spaced relation to the fixed ends of said straps, and means on said flexible members for detachably and adjustably connecting said flexible members to draw said loops inwardly toward the center of the front of the waistband of said garment and form pleats in the material in the front of said garment between said fixed ends of said flexible members and said loops.

2,294,366
INFANT'S TRAINING CHAIR
Marshall B. Eidson, Chanute, Kans.
Application August 3, 1940, Serial No. 350,836
4 Claims. (Cl. 155—31)



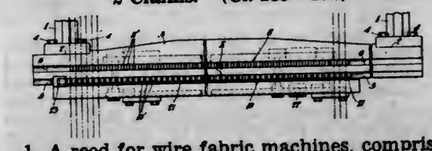
4. A chair of the character stated comprising a seat, a back hingedly coupled thereto to be swung from an upright position to a lowered position in which it extends rearwardly from the seat, an arm at each side of the seat comprsing two hingedly coupled portions, a lateral extention at the remote ends of the two portions of each arm, and a pivotal connection between the lateral extention of one portion of each arm and said seat, and a pivotal connection between the lateral extension of the other portion and said back, said arm portions being shifted from an angular relation to an end aligned relation upon swinging the back to lowered position and said lateral extensions functioning to elevate the aligned portions above the seat and back to form a side guard rail.

2,294,367
FLYING WING AIRPLANE
Jacob W. P. Fleming, Falcon, Miss.
Application March 15, 1940, Serial No. 324,205
2 Claims. (Cl. 244—36)



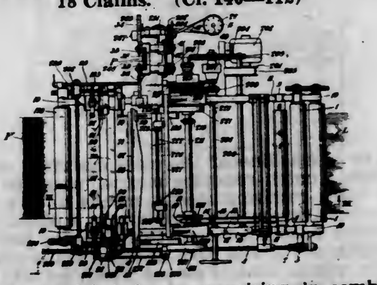
1. An airplane comprising a unitary body and wing structure formed of a fuselage and wings continuous with each other and coextensive with each other, both longitudinally and transversely of the airplane, said fuselage and wings being complementarily united at the longitudinal center of the body, said wings extending dihedrally outwardly and upwardly in symmetrical relation, said wings being in open communication with each other at their point of junction and providing similar cabin compartments across the body and between the outer lateral extremities of the wings, wing extensions of the same cross section as the wings telescopically mounted in the wings for inward and outward sliding movement, said extensions being substantially closed at their outer ends, means for shifting the wing extensions inward and outwardly, relatively telescopic floor sections in said wing and wing extensions, and passenger seats fixedly carried by the floor sections of said wing extension whereby the load of the passengers is more evenly distributed over the increased wing area.

2,294,368
REED FOR LOOMS
Noah S. Harter, Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 25, 1940, Serial No. 358,346
2 Claims. (Cl. 139—192)



1. A reed for wire fabric machines, comprising a primary and a secondary set of dents arranged in spaced relation longitudinally of warp wires to be associated therewith, each of said dents being of less dimension transversely of the warp wire than the spacing between adjacent warp wires, one primary dent and one secondary dent being disposed between each adjacent pair of warp wires, and being offset in directions longitudinally of the latter so that each primary dent bears against the relatively rightward warp wire, and each secondary dent bears against the relatively leftward warp wire.

2,294,369
HARDWARE AND SCREEN CLOTH MACHINE
Noah S. Harter, Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Original application October 13, 1938, Serial No. 234,853. Divided and this application November 22, 1940, Serial No. 366,758
18 Claims. (Cl. 140—112)



1. A wire fabric loom comprising, in combina-

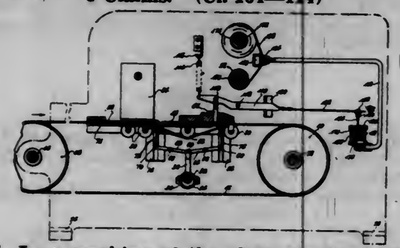
tion: means for feeding a bank of warp wires; heddle means; means for feeding weft wire from an endless supply adjacent said heddle means; means for severing lengths of weft wire from the supply; means for interweaving the severed lengths with the warp wires; and means for shearing, forming, and welding, the ends of the interwoven weft wires into the desired selvage configuration.

2,294,370

COMPRESSED AIR ACTUATING MEANS FOR NOTCHING CARDS

Thomas Coleman Andrews, Richmond, Va. Original application August 13, 1940, Serial No. 352,456, now Patent No. 2,261,710, dated November 4, 1941. Divided and this application April 26, 1941, Serial No. 390,522

8 Claims. (Cl. 164—114)



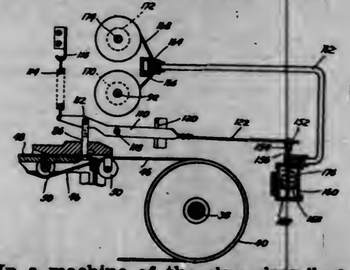
1. In a machine of the class described which notches a notch-receiving means, means to feed said notch-receiving means, means to stop said notch-receiving means periodically, a plurality of notching punches, means to hold said punches normally out of the path of the notch-receiving means, punch control means which actuate said punches, means to actuate said punches selectively, a pneumatic control in each of said punch control means, means operated by a pneumatic means to actuate said punches, and sliding means to open and close ports leading to said pneumatically actuated means.

2,294,371

VACUUM ACTUATING MEANS FOR SERIAL NUMBERING AND NOTCHING CARDS

Thomas Coleman Andrews, Richmond, Va. Original application August 13, 1940, Serial No. 352,456, now Patent No. 2,261,710, dated November 4, 1941. Divided and this application July 3, 1941, Serial No. 400,902

4 Claims. (Cl. 164—114)



1. In a machine of the class described which notches a notch-receiving means, means to feed said notch-receiving means, means to stop said notch receiving means periodically, a plurality of notching punches, means to hold said punches normally out of the path of the notch receiving means, punch control means which actuate said punches, means to actuate said punches selectively, a vacuum control in each of said punch control means, means operated by a vacuum to actuate said punches, and sliding means to open and close ports leading to said vacuum actuated means.

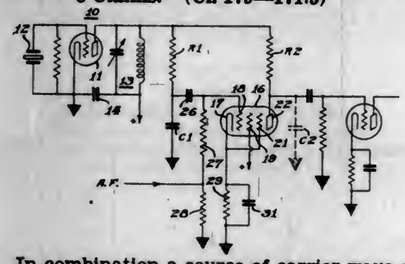
2,294,372

PHASE MODULATION

Loy E. Barton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 31, 1941, Serial No. 417,385

5 Claims. (Cl. 179—171.5)



1. In combination a source of carrier wave energy having an output terminal, an electric discharge tube comprising an anode that has capacity to ground, a resistor connecting said terminal to said anode, a phase shifting network connected between said source and the input circuit of said tube, said phase shifting network being designed to produce a phase shift at said anode that is opposite to the phase shift produced thereat by said resistor and said capacity to ground, means for varying the mutual conductance of said tube in accordance with a modulating signal, and means for coupling said anode to a signal transfer circuit.

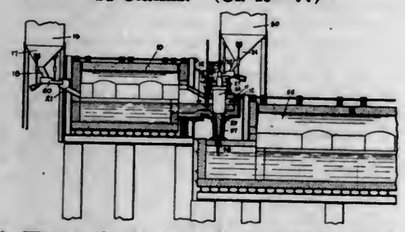
2,294,373

METHOD OF FORMING BATCH BODIES

George W. Batchell, Toledo, Ohio

Application June 17, 1939, Serial No. 279,715

14 Claims. (Cl. 49—77)



1. The method of forming a glass batch which consists in melting certain of the solid subdivided glass batch materials; flowing the molten glassy material; subjecting the interior of the flowing molten glassy material to air pressure to cause it to flow in hollow form; and causing solid subdivided batch materials to move gravitationally into the interior space of the hollow flowing molten glassy material.

2,294,374

REDUCTION OF NITRATES

John R. Bates, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 27, 1940, Serial No. 358,706

3 Claims. (Cl. 252—71)

1. The process for the reduction of alkali metal nitrate, comprising contacting in a reduction zone a molten composition containing alkali metal nitrate with hydrogen, maintaining the temperature of contact in the reduction zone at above about 750° F. whereby alkali metal nitrate is reduced to alkali metal nitrite, and contacting gas from the reduction zone in a second zone with salt composition so reduced at a temperature between the melting point of the reduced composition and about 750° F.

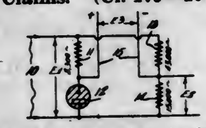
2,294,375

PHOTOCELL CIRCUIT

Herbert Belar, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application April 9, 1941, Serial No. 387,666

6 Claims. (Cl. 179—100.3)



1. Photoelectric apparatus including an electrical power supply, an exciter lamp and a photocell both fed from said power supply, and a voltage regulating circuit connected between said power supply and said photocell and varying the voltage applied to said photocell inversely as and in greater ratio than any variations in voltage of said power supply for compensating for variations in the brightness of the exciter lamp, said voltage regulating circuit being a bridge circuit having adjacent arms consisting of a resistor and a constant voltage device, the voltage drop across said resistor being less than that across said device.

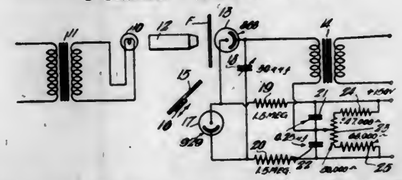
2,294,376

PHOTOCELL HUM DEMODULATOR

Herbert Belar, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application July 31, 1941, Serial No. 404,857

3 Claims. (Cl. 250—41.5)



2. In combination, a photocell having a D.-C. supply circuit and an A.-C. output circuit, an exciter lamp arranged to illuminate said photocell, means in said supply circuit limiting the current supplied to said photocell, and means actuated by said exciter lamp and diverting a portion of said supplied current in proportion to the brightness of the exciter lamp, whereby the potential applied to said photocell decreases when the brightness of the exciter lamp increases.

2,294,377

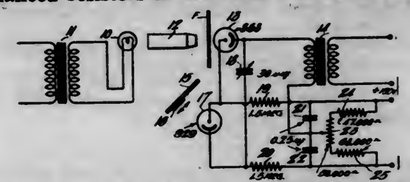
PHOTOCELL HUM DEMODULATOR

Rudolph A. Bierwirth, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 31, 1941, Serial No. 404,805

5 Claims. (Cl. 250—41.5)

2. In combination, a bridge circuit having in one arm a photocell, in another arm a capacitor balancing the capacitance of the photocell, and balanced resistors in the other two arms, and a



photoelectric demodulator circuit demodulating the current supplied to said bridge circuit in accordance with modulation of the light source illuminating said photocell.

2,294,378

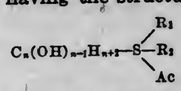
SURFACE-ACTIVE INCRUSTATION INHIBITOR

Rudolph S. Bley, Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application January 29, 1940, Serial No. 316,277

11 Claims. (Cl. 18—54)

1. An acid viscose spin bath, for coagulating viscose filaments therein, containing a dissolved, substantially stable, cation-active monosaccharide derivative having the structure:



in which n is a number selected from the group consisting of 5 and 6, R_1 is a higher aliphatic radical having at least 8 carbon atoms, R_2 represents a radical selected from the group consisting of alkyl, aralkyl and aryl radicals, and Ac represents a substituent selected from the group consisting of OH and negative acid radicals, whereby incrustation of the spinneret during the spinning operation is substantially inhibited.

2,294,379

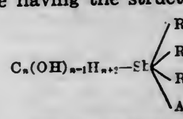
SURFACE-ACTIVE INCRUSTATION INHIBITOR

Rudolph S. Bley, Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original application October 7, 1938, Serial No. 233,826. Divided and this application January 29, 1940, Serial No. 316,278

11 Claims. (Cl. 18—54)

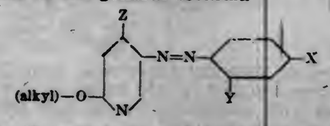
1. An acid viscose spin bath, for coagulating viscose filaments therein, containing a dissolved, substantially stable, cation-active monosaccharide derivative having the structure:



in which n is a number selected from the group consisting of 5 and 6, R_1 is a higher aliphatic radical having at least 8 carbon atoms, R_2 and R_3 represent substituents selected from the group consisting of lower aliphatic radicals, lower aromatic radicals and hydrogen, and Ac represents a substituent selected from the group consisting of OH and negative acid radicals, whereby incrustation of the spinneret during the spinning operation is substantially inhibited.

2,294,380
AZO COMPOUND
William Braker, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application December 23, 1939, Serial No. 310,829
9 Claims. (Cl. 260—156)

1. A compound of the group consisting of: azo bases of the general formula

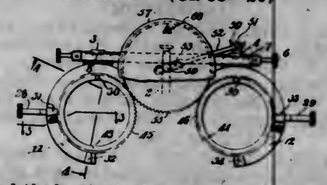


wherein X represents a member of the group consisting of hydroxy and amino; Y represents a member of the group consisting of hydrogen, hydroxy, alkyl, aryl, alkoxy, and amino, and Z represents a member of the group consisting of hydrogen and halogen; and acid-addition salts of these azo bases.

2,294,381
TREATMENT OF PIGMENTS WITH AMMONIUM NAPHTHENATE
Harold E. Burdick, Huntington, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 5, 1940, Serial No. 351,555
4 Claims. (Cl. 106—298)

3. A process for the production of pigments of improved texture which comprises mixing with an aqueous suspension of a chrome green pigment, prior to the removal of water by drying, between about 1% and about 7%, based upon the weight of the pigment, of ammonium naphthenate.

2,294,382
BINOCULAR EYE TEST
Hermann M. Burian, Hanover, N. H., assignor to Trustees of Dartmouth College, Hanover, N. H., a corporation of New Hampshire
Application November 4, 1939, Serial No. 302,809
3 Claims. (Cl. 88—20)



1. Ophthalmological apparatus for viewing a test object, comprising means for holding optical test elements before the eyes of a patient in substantially fixed relation thereto, a polarizing means mounted on said holding means before each eye, respectively, a second polarizing means for each eye mounted on said holding means superimposed on said first polarizing means, respectively, and means for rotating said first polarizing means relatively to said second polarizing means, the axes of polarization of said polarizing means being so arranged that the total light flux passing through the polarizing means before both eyes remains substantially constant during said rotation, so that visibility of the test object viewed through said polarizing means can be gradually shifted from one eye to the other.

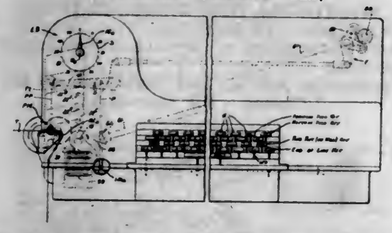
2,294,383
PROCESS FOR THE PREPARATION OF ETHYLENE OXIDE
Ray M. Carter, Glenbrook, Conn., assignor to U. S. Industrial Alcohol Co., New York, N. Y., a corporation of West Virginia
No Drawing. Application August 3, 1940, Serial No. 351,245
1 Claim. (Cl. 260—348)

The method of producing ethylene oxide which comprises subjecting a gaseous mixture including ethylene and oxygen to contact with a contact mass including a rigid crystalline alumina refractory, consisting essentially of interlocked corundum crystals in tubular form substantially free of inter-crystalline glass, impregnated and coated with a silver catalyst.

2,294,384
HECTOGRAPH BLANKET AND METHOD OF TREATING SAME
William J. Champion, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
No Drawing. Application August 4, 1941, Serial No. 405,406
6 Claims. (Cl. 41—31.6)

1. A hectograph blanket having a gelatinous copy mass which is tanned to a greater extent on the edge portion than in the central portion.

2,294,385
SELECTIVELY OPERABLE MECHANISM FOR TYPOGRAPHICAL MACHINES AND THE LIKE
Howard D. Colman, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application September 23, 1939, Serial No. 296,201
77 Claims. (Cl. 164—112)

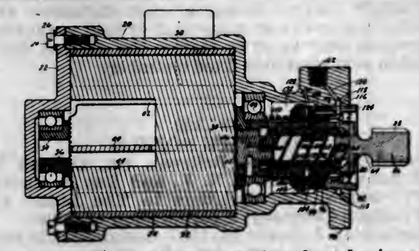


1. The combination with a driven shaft to be variably operated, of a power driven cyclically operated drive shaft, a plurality of rotary elements, selectively operable means for conditioning said elements to be driven by said drive shaft in different permutational combinations, and means drivingly connecting said elements with said driven shaft.

2,294,386
AIRCRAFT AIR PUMP
Russell R. Curtis, Dayton, and Theodore R. Thoren, Bedford, Ohio, assignors to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application February 29, 1940, Serial No. 321,494
7 Claims. (Cl. 64—15)

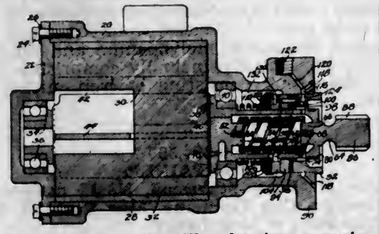
1. A drive comprising a part to be driven having an axially extending opening therein, a diametrically slotted hub smaller than said opening and having an end portion fixed within the opening, a second diametrically slotted hub at

the outer end of the opening, the hubs being axially spaced apart and the slots facing each other, a driving shank comprising a prolongation on the second said hub adapted for connection to a power source, a closed loop formed into a double coil spring wherein the turns of one coil are between the turns of the other and wherein integral diametrically extending driving ends connect the ends of the coils one



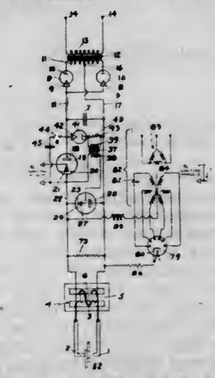
to the other, said coils fitting loosely in said hollow and freely over said hubs, and said driving ends fitting snugly in said slots, positive drive lugs extending radially from said shank into notches in said part, said lugs being circumferentially narrower than said notches and normally positioned midway therein, an annular groove partly in said driven part and partly in said lugs and a spring snap ring in said groove.

2,294,387
AIRCRAFT AIR PUMP
Russell R. Curtis, Dayton, and Theodore R. Thoren, Bedford, Ohio, assignors to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Original application February 29, 1940, Serial No. 321,494. Divided and this application May 8, 1940, Serial No. 333,980
8 Claims. (Cl. 308—36.2)



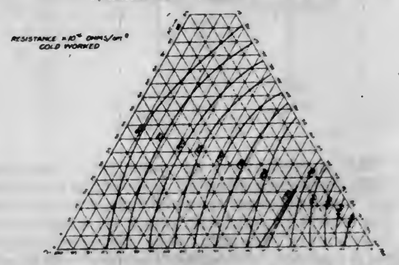
1. In a pump or the like, having a casing and a rotatable shaft extending from said casing, a combined seal and lubricant metering device comprising, an end closure for said casing having an opening to pass said shaft freely, a resilient packing washer covering the inner face of said closure, a metal seal ring covering the inner face of said packing washer, a tube located intermediate the inner and outer diameters of said seal ring extending in an axial direction from within said ring, tightly thru the packing washer and slidably into an axially extending opening in the end closure, a passageway to convey lubricant under pressure connecting said axial opening to a source of supply, a conduit opening extending from the inner face of said seal ring and terminating in the opening in said tube, a second seal ring having its outer face resting against the inner face of the first seal ring and having a small metering opening in the outer face communicating with the inside of the casing, said metering opening being so located as to register with said conduit opening in said first seal ring at each revolution of the shaft, means to drivably connect said second seal for rotation with said shaft but allow it to move axially thereon, a packing ring against the inner face of the second of said seal rings, a metal part against said packing ring, and resilient means pressing said metal part against said packing ring.

2,294,388
RESISTANCE WELDING SYSTEM
John W. Dawson, Auburndale, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 2, 1940, Serial No. 312,019
13 Claims. (Cl. 171—119)



1. A system comprising a transformer having a magnetic core and windings provided with input and output connections, a circuit connected to the output of said transformer, means for supplying to the input to said transformer a pulse of current having a substantial direct current component for individual operations, and means for continuously impressing on said core a magnetomotive force having a substantial unidirectional component opposite in direction to the magnetomotive force exerted on said core by said first-mentioned direct current component.

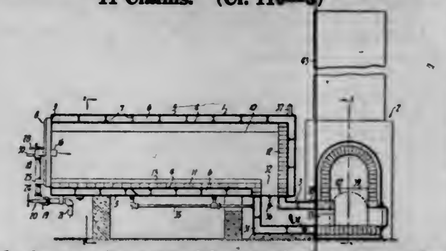
2,294,389
ELECTRICAL RESISTANCE ALLOY
Reginald S. Dean, Washington, D. C., and Clarence T. Anderson, Pittsburgh, Pa., assignors to Chicago Development Company, Chicago, Ill., a corporation of Illinois
Application November 6, 1939, Serial No. 303,008
7 Claims. (Cl. 201—76)



7. An electrical resistance element, having a low temperature coefficient of electrical resistance, comprising an alloy quenched from a temperature of about 900 degrees C. and cold worked,

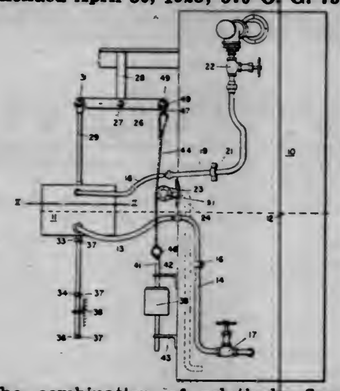
said alloy consisting of about 60% to 75% manganese, the balance at least one of the metals nickel and copper.

2,294,390
CREMATOR
Chester A. De Long, Merced, Dudley Baird, Berkeley, and George E. Connolly, Oakland, Calif., assignors to Pacific Foundry Company, Ltd., San Francisco, Calif., a corporation of California
Application September 29, 1939, Serial No. 297,100
11 Claims. (Cl. 110—3)



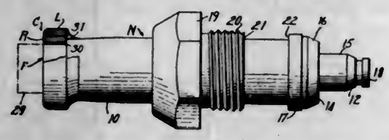
1. A cremator comprising a retort and a smoke consumer, a passageway for smoke and fumes connecting between said retort and said smoke consumer, means for cooling said retort comprising a water jacket around said retort filled with water, and the walls of said retort and water jacket being of relatively heavy sheet metal, means for circulating said water, and a burner having a flame aperture directed into said retort arranged and adapted to burn human remains supported on the bottom of said retort.

2,294,391
AQUAPOISE LIQUID LEVEL CONTROLLER
George W. Dick, Brooklyn Park, Md.
Application July 31, 1941, Serial No. 404,879
2 Claims. (Cl. 137—68)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



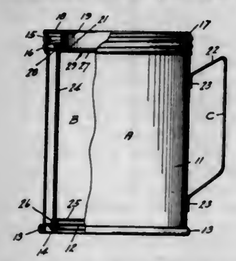
1. The combination of relatively fixed and movable chambers adapted to contain liquid under absolute pressure, connections for maintaining the liquid in said chambers at substantially the same level, the relatively movable chamber having a passage extending therethrough in substantially fluid tight relation therewith and along the substantially vertical axis thereof, a rod extending through said passage, abutments carried by said rod, one of said abutments being engageable with the relatively movable chamber for supporting the latter from the rod, fixed abutment means engageable with other of said abutments carried by said rod for limiting the movement thereof, a pivotally mounted member connected to said rod, a weight connected to said pivotally mounted member for tending to balance said relatively movable chamber, a valve for controlling the flow of liquid from a source of supply thereof to one of said chambers, and means responsive to movement of said weight for operating said valve to restore the desired liquid level in said relatively fixed chamber.

2,294,392
BLOWPIPE NOZZLE
Eduard J. W. Egger, Bellevue, Pa., Casimir V. Johanson, Cranford, N. J., and Ray B. Smith, Pittsburgh, Pa., assignors to The Linde Air Products Company, a corporation of Ohio
Application January 14, 1939, Serial No. 250,890
18 Claims. (Cl. 158—27.4)



2. A blowpipe nozzle adapted to be guided along and in contact with a work surface comprising, in combination, a nozzle body; a metal ring secured behind but adjacent to the front face of said nozzle; and a layer of metal, which is resistant at high temperatures to abrasion, deformation and oxidation, permanently united to the periphery of said ring forming therewith a composite collar the periphery of which extends outwardly beyond the periphery of said nozzle body; in which said ring is made from high chromium steel, and said layer of wear-resistant metal is a metal alloy including 35 percent to 90 percent of metal from the group consisting of chromium, molybdenum and tungsten, and the remainder principally comprising metal from the group consisting of iron, nickel and cobalt.

2,294,393
CONTAINER
Charles H. Erne, Maywood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 6, 1939, Serial No. 266,364
2 Claims. (Cl. 221—61)

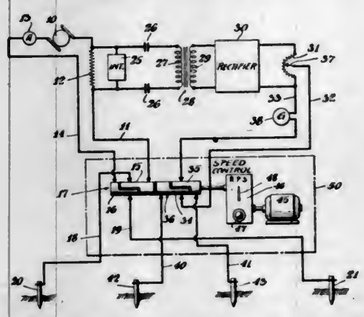


1. A holder for dispensing containers, comprising a permanent outer container body threaded at its open upper end adapted to receive and hold against displacement an inner replaceable filled container of materially less diameter and having a countersunk top wall from which the contents are to be dispensed, said outer container having an imperforate bottom wall permanently secured thereto in a liquid tight joint, and an integral annular clamping ring having threaded engagement with the open end of said outer container and adapted to expose a portion of the inner container top for dispensing purposes, said ring terminating at its inner portion in a depending integral annular clamping flange spaced inwardly from said threadedly engaged portion and adapted to peripherally engage within the top wall of said inner container and hold the same against lateral and axial movement and to clamp said inner container against said imperforate bottom wall when said ring is screwed home on said outer container body.

2,294,394
PIGMENT OF IMPROVED TEXTURE
Archibald M. Erskine, Chatham, and Ben H. Perkins, Sea Bright, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 3, 1940, Serial No. 351,100
19 Claims. (Cl. 106—304)

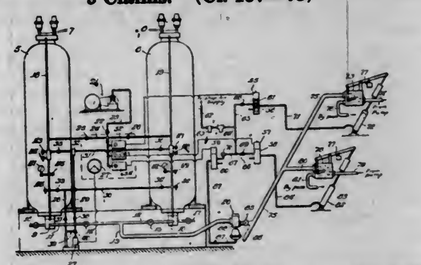
1. A process for the production of improved pigments which comprises mixing with an aqueous suspension of a pigment, prior to the removal of water by drying, a member selected from the group consisting of the esters and amides of naphthenic acid.

2,294,395
METHOD AND APPARATUS FOR MAKING GEOLOGICAL EXPLORATIONS
Knute H. Evjen, Coudersport, Pa., assignor to Nordel Corporation, Houston, Tex., a corporation of Delaware
Application December 20, 1939, Serial No. 310,109
17 Claims. (Cl. 175—182)



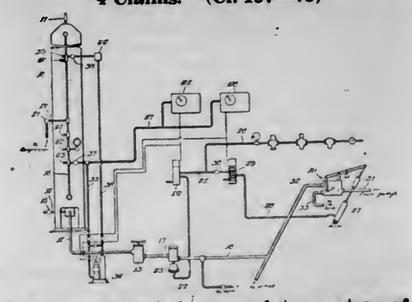
1. The method of electrical prospecting which comprises passing a current having a predetermined frequency through the earth between two spaced points adjacent the surface of the earth, picking up the potential difference between two other points adjacent the earth's surface and lying within the field of influence of said earth current, deriving from said potential difference a measure of the electrical characteristics of the earth in the area under investigation, and repeating the measurement at different selected frequencies below about 20 cycles per second to obtain a spectrum of the potential representing variations in characteristics of the earth's strata at various depths below the surface.

2,294,396
AIR BALLASTED ACCUMULATOR AND CONTROL CIRCUIT FOR HYDRAULIC PRESSES
Robert J. Feuchter, Chicago, Ill., assignor to Charles F. Elmes Engineering Works, Chicago, Ill., a corporation of Illinois
Application September 15, 1939, Serial No. 295,154
5 Claims. (Cl. 137—78)



1. In a system for supplying liquid under pressure for hydraulic machinery, an accumulator vessel adapted to receive and hold a reserve supply of liquid under pressure and to hold a charge of air therein to supply the pressure on said liquid, a valve biased to closed position to govern the flow of liquid from the vessel, and control means for said valve responsive to variations in pressure in said vessel arranged to open and to hold said valve open when the pressure in the vessel respectively reaches or is above a predetermined limit, said control means being operable to permit the valve to close against further liquid discharge from the vessel when the pressure therein drops below said limit by a predetermined amount, the valve being arranged to permit liquid at a pressure greater than the pressure within said vessel to enter the vessel through said valve in order that the pressure therein may be increased up to said predetermined limit in order to actuate said control means to open said valve.

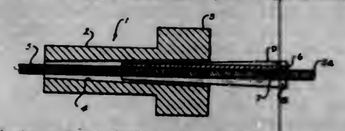
2,294,397
AIR BALLASTED ACCUMULATOR
Robert J. Feuchter, Chicago, Ill., assignor to Charles F. Elmes Engineering Works, Chicago, Ill., a corporation of Illinois
Application December 30, 1939, Serial No. 311,894
4 Claims. (Cl. 137—78)



3. An air ballasted accumulator system of the character described, comprising a vessel charged with gas and a liquid, a control valve normally operable to a position to prevent withdrawal of liquid from said vessel, a second control valve operable to direct liquid under pressure to said vessel through said first named valve whenever the pressure supplied by said second valve exceeds the pressure in the vessel, suitable conduits connecting said valves, vessel and source, control

means for said valves comprising means responsive to pressure change in said vessel to positively open said first named valve when the pressure in said vessel reaches a predetermined value and permitting said valve to close at a predetermined substantially lower value, means responsive to pressure change in said vessel to close said second named valve when the pressure in said vessel exceeds the pressure at which the first named valve is opened, by a predetermined amount, and to open said second named valve when the pressure in said vessel drops a predetermined amount from the pressure at which the said second valve is closed, said two last named means having mechanism for varying the range of vessel pressures over which they are effective, and safety control means independent of said pressure responsive means for closing said second named valve when the liquid level in said vessel exceeds a predetermined limit.

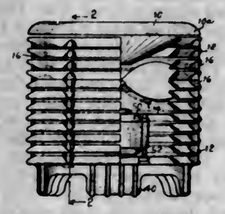
2,294,398
TERMINAL FITTING FOR FLEXIBLE OR SEMIFLEXIBLE CABLE
Ralph M. Ferguson, Dayton, Ohio
Application December 10, 1940, Serial No. 369,435
4 Claims. (Cl. 24—126)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A terminal fitting for twisted strand cable, comprising a body member adapted to be anchored to a support, a tapered passage in said body member, a wedge comprising a plurality of exteriorly tapered, radially movable elements having a taper corresponding to the taper of the passage in said body member and having a length substantially equal to the length of said passage, said elements forming an assembly having radial dimensions in excess of the corresponding dimensions of the passage in said core member, a central cable-receiving passage formed by the elements of said wedge and having initial radial dimensions such that the cable may be passed therethrough, and the material of the walls of said cable-receiving passage being softer than the material of the cable, whereby when the cable is inserted in said cable-receiving passage and the wedge driven into said body member, the compressive stresses exerted on the cable by the radial movement of the wedge elements will cause the outer strands of the cable to become partially embedded in the walls of the cable-receiving passage to thereby prevent relative longitudinal movement between the cable and the wedge.

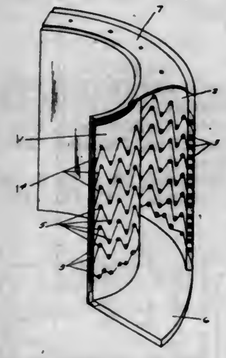
2,294,399
PLASTIC FAN STAND
Alfred F. Fukal, Cincinnati, Ohio, assignor to William W. Welch, Cincinnati, Ohio
Application July 23, 1941, Serial No. 403,702
14 Claims. (Cl. 230—274)

1. An electric fan enclosure for supporting an electric fan of the circulatory type and its motor, said fan enclosure including a base for supporting the motor and the electric fan, a plurality of substantially horizontally disposed molded hoops stacked upon the base for enclosing the motor and the fan, each of said hoops having a tear-drop shaped transverse cross sectional area, the longitudinal axis of each transverse sectional area forming an acute angle with the diameter of the hoop so that the hoops have angularly disposed arcuate surfaces, a plurality of



projections integral with the hoops, said projections holding the hoops in spaced relation from each other, and means for holding the hoops and the base as a unitary structure.

2,294,400
LAMP EXHAUST OVEN
Roland M. Gardner, Swampscott, and Ralph L. Allen, Beverly, Mass., assignors to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application July 20, 1940, Serial No. 346,618
4 Claims. (Cl. 219—35)



1. An oven for heating electric discharge lamps during exhaust, said oven comprising: two parallel curved walls and a floor, each of said walls comprising two sheets of polished heat-reflecting metal spaced apart by a series of metal channels; insulators projecting from said walls; electrical heating elements held by said insulators and spaced from said walls thereby; a movable turret roof of heat insulating material located at the top of said walls; two doors, one at each end of said oven walls; and, means for sliding said doors transversely to the oven walls.

2,294,401
COMPOSITION FOR THE TREATMENT OF POULTRY COCCIDIOSIS
Leslie Reginald Harrison, Vancouver, British Columbia, Canada
No Drawing. Application February 16, 1939, Serial No. 256,822
5 Claims. (Cl. 167—53.1)

1. A poultry anticoccidiotic essentially comprising colloidal sulfur and urea.

2,294,402
PYROLYSIS OF METHYL VINYL ETHER
Rudolph Leonard Hasche and Benjamin Thompson, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 11, 1939, Serial No. 255,933
11 Claims. (Cl. 260—601)

1. A process for the manufacture of lower alkyl aldehydes containing at least 3 carbon atoms, which comprises obtaining an alkyl vinyl ether having the corresponding number of carbon atoms in the molecule as the aldehyde to be produced, subjecting said ether to pyrolysis at a high space velocity above 1000 and a high temperature above 500° C. to cause the isomerization of the ether into the desired aldehyde.

2,294,403
MARKING MATERIAL
Harry W. Helmer and Vinton L. Staley, Chicago, Ill., assignors to Helmer-Staley, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application March 18, 1939, Serial No. 262,706
5 Claims. (Cl. 106—19)

3. A marking stick for marking hot metal surfaces to leave a wear-resisting mark thereon removable in a pickling bath for the metal which comprises a titanium dioxide pigment, tetrachloronaphthalene and sodium nitrate.

2,294,404
SILVER BEARING
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application August 22, 1940, Serial No. 353,672
1 Claim. (Cl. 308—137)

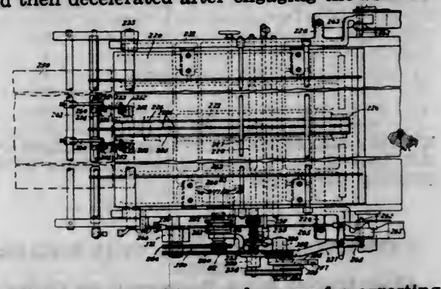
A bearing comprising a metal body formed of a pressed and sintered mass of silver powder having a density between 7.2 grams per c. c. and 10.3 grams per c. c., said mass of silver powder comprising a self-bonded porous body, said porous body being impregnated with lead filling the interstices in the sinter-bonded silver powder body.

2,294,405
ALUMINUM BASE METAL COMPOSITION
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application September 7, 1940, Serial No. 355,816
2 Claims. (Cl. 75—22)

1. An aluminum-base metal composition containing as ingredients 1 to 40% cadmium, 1 to 40% carbon and 50 to 90% aluminum by volume, said ingredients being in finely divided form interspersed among one another and sinter-bonded together, said ingredients constituting substantially all of said composition.

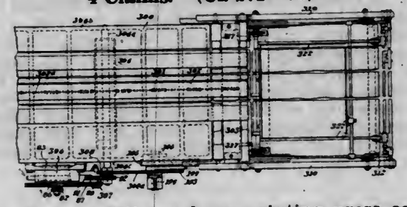
2,294,406
SHEET HANDLING MECHANISM
Samuel A. Huffman, Avalon, Pa., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania
Original application March 31, 1938, Serial No. 199,167. Divided and this application September 9, 1939, Serial No. 294,166
26 Claims. (Cl. 271—12)

1. Apparatus for successively conveying sheets from a pile thereof to a processing machine such as a press comprising a traction belt, means for driving said belt toward said machine whereby a sheet delivered to the belt is first accelerated and then decelerated after engaging the belt and



fed toward the machine, and means for arresting said sheet in a predetermined position relative to said machine, said last mentioned means being effective to arrest the sheet while the belt continues to be driven toward the machine.

2,294,407
SHEET HANDLING MECHANISM
Samuel A. Huffman, Avalon, Pa., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application October 13, 1939, Serial No. 299,309
4 Claims. (Cl. 271—74)

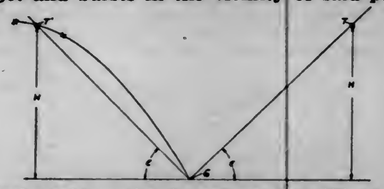


1. A sheet delivery for a printing press comprising a continuously driven belt conveyer upon which the sheets are adapted to be discharged at relatively high speed from the printing press, means for driving the conveyer at relatively high speed when a printed sheet is delivered to it and for thereafter rapidly decelerating the movement of the conveyer for delivering the printed sheet therefrom at a relatively low speed, and means for applying suction progressively effective in timed relation to the movement of the conveyer for holding down the printed sheet against the conveyer so as to prevent curling and skidding of the printed sheet on the conveyer as the movement of the conveyer is decelerated.

2,294,408
FIRE CONTROL TRAINING SYSTEM
James C. Karnes, Buffalo, N. Y.
Application January 25, 1941, Serial No. 375,904
7 Claims. (Cl. 35—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

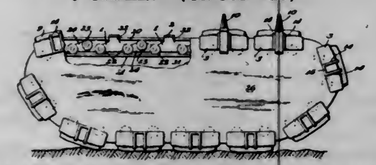
1. In a fire control training system, the steps of moving a target through space, directing a gun at a point in space corresponding in altitude and angular height to said target and at a predetermined azimuthal difference relative thereto of greater angular distance than the bursting pattern of a shell, firing one or more shells set to explode upon reaching said point from said gun,

and continuously recording photographically the target and bursts in the vicinity of said point;



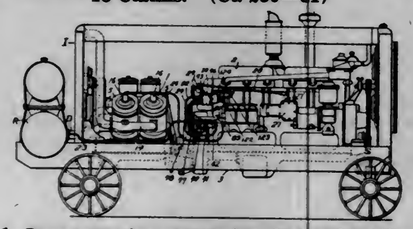
whereby said moving target may be utilized as a fire control point without the necessity of destroying the target.

2,294,409
CATERPILLAR, IN PARTICULAR ROLLER CHAIN
Claus Hinrich Köhn, Rapperswil, St. Gallen, Switzerland
Application November 14, 1940, Serial No. 365,614
In Switzerland August 31, 1939
7 Claims. (Cl. 305—10)



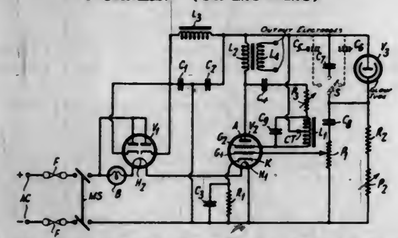
1. A roller chain provided with foot plates and grippers or lugs, for propagating vehicles, comprising links provided with projecting members, foot plates seated on top of said members, means for removably connecting said foot plates and members, grippers provided with a base plate to be seated on said foot plates and having lateral members adapted to be slipped over and engage said foot plates, and removable means for fastening said base plate on said foot plates.

2,294,410
PUMPING APPARATUS
Ralph E. Lamberton, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application December 13, 1940, Serial No. 370,043
15 Claims. (Cl. 230—31)



1. In a pumping apparatus, in combination, a prime mover, a pump connected for drive by said prime mover, unloading means for said pump, means for controlling the speed of said prime mover, means for actuating said last mentioned means to effect a slowing down of said prime mover upon a predetermined increase in pump discharge pressure, and means for operating said unloading means to effect pump unloading and for further actuating said prime-mover-speed-controlling means further to slow down said prime mover upon the attainment to a higher predetermined pump discharge pressure, said means for actuating said prime-mover-speed-controlling means upon successive increases in pump discharge pressure including means responsive to different pump discharge pressures for effecting successive deliveries of operating medium and means energized by the action thereon of the operating medium delivered upon each such delivery to effect a controlling movement of said prime-mover-speed-controlling means to reduce the prime mover speed.

2,294,411
ELECTRICAL OSCILLATOR APPARATUS FOR MEDICAL PURPOSES
Arthur William Lay, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application September 21, 1938, Serial No. 230,898
In Great Britain October 5, 1937
5 Claims. (Cl. 128—423)



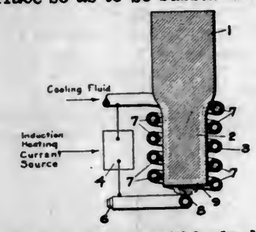
1. An electro-medical oscillator apparatus comprising an oscillator circuit of the relaxation oscillator type, an oscillator valve circuit so arranged that normally self-oscillation does not occur, means for applying impulses from the relaxation oscillator circuit to the input of said valve circuit so as to cause said valve circuit to burst into oscillation upon the application of an impulse thereto, means for gradually damping and periodically interrupting the generated oscillations, and means including an output circuit fed from the output of the valve circuit for applying said damped and interrupted oscillations to a patient's body.

2,294,412
STAINLESS STEEL
James R. Long, Annapolis, Md., assignor to Chicago Development Company, Chicago, Ill.
No Drawing. Application June 6, 1940, Serial No. 339,077
1 Claim. (Cl. 75—126)

An austenitic stainless steel alloy of iron, chromium and manganese, the alloy as a whole having less than 0.15% carbon, and not more than 0.15% total of silicon and aluminum based on the total amount of manganese present, said alloy consisting of about 31% to 32% manganese, about 17% to 18% substantially pure chromium, and balance substantially pure iron, said manganese being of highly pure electrolytic grade and containing not more than 0.1% by weight of any one of the elements carbon, silicon and aluminum.

2,294,413
METHOD OF LOCALLY HEAT-TREATING METAL BODIES
Laurence K. Marshall, Cambridge, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 25, 1939, Serial No. 269,904
10 Claims. (Cl. 148—10)

1. The method of treating a metal body in which the hardness can be decreased by heat treatment which comprises hardening the surface and an interior portion of said body, said interior portion being enclosed and surrounded by said surface so as to be substantially inaccessible from the interior of said body, heating said interior portion by electrical induction to a temperature at which its hardness is decreased, and simultaneously cooling the surface surrounding said interior portion to maintain substantially its hardened condition.



2,294,414
CATALYST
Maryan P. Matuszak, Bartlesville, Okla., and Glen H. Morey, Terre Haute, Ind., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 9, 1937, Serial No. 173,708
21 Claims. (Cl. 252—224)

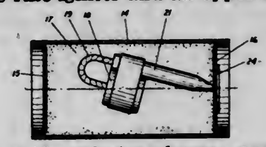
1. The process of preparing a granular catalyst, which comprises subjecting a granular nonpowdery crystalline ammonium-containing salt of chromic acid the particles of which are sufficiently large to be retained on a 40-mesh sieve, to controlled heating at an elevated temperature below the temperature at which said salt decomposes with incandescence, until the salt is substantially completely decomposed homogeneously throughout the individual granules while retaining its crystallic shape without substantial disruption of the granules.

17. The process of preparing a granular catalyst, which comprises subjecting a crystalline ammonium-containing salt of chromic acid, said salt comprising at least one metal other than the chromium in said chromic acid, to controlled heating at an elevated temperature below the temperature at which said salt decomposes with incandescence, until said salt is substantially completely decomposed while retaining its crystallic shape.

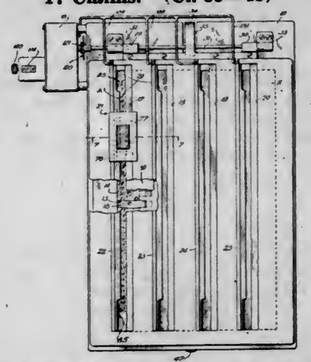
21. The process of preparing an unglowed metal chromate catalyst which comprises subjecting a complex crystalline compound having the general formula $(NH_4)_2M(CrO_4)_2 \cdot 2NH_3$, where M represents one or more metals selected from the group consisting of copper and cadmium, to controlled heating at an elevated temperature below the temperature at which said compound decomposes with incandescence, until the compound is substantially decomposed.

2,294,415
GRENADE
Lewis M. McBride, Edgewood Arsenal, Md.
Application December 2, 1938, Serial No. 243,526
2 Claims. (Cl. 102—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A grenade comprising a hollow closed container of destructible and readily rupturable material, and having an aperture in the wall thereof, a dispersible charge of powdered, normally solid irritant chemical warfare agent of a character temporarily incapacitating but non-injurious to persons, and with the particles thereof stabilized against coalescence, substantially completely filling said container; an explosive charge, a time fuse, and a fuse igniter, respectively, embedded in the dispersible charge; said explosive charge and fuse igniter being disposed laterally and out of alignment relative to one another, and said fuse having one end thereof connected to one end of the fuse igniter and an opposite end connected to said explosive charge; and said fuse igniter embodying a tubular part having a through bore aligned with the aforementioned aperture in the wall of the container, and a pull-wire extended from said tubular part and through the wall aperture, said wall aperture and said pull-wire being of such diameters that the pull-wire substantially normally seals the aperture, and said pull-wire being adapted for manipulation to ignite the fuse and substantially simultaneously with such ignition to break the seal for venting the fuse through the aligned bore and aperture.

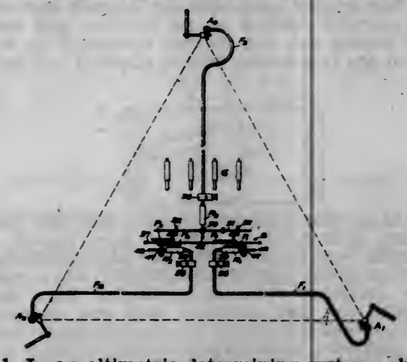


2,294,416
EXAMINATION GRADER
John P. Mentzer, Chicago, Ill.
Application November 18, 1940, Serial No. 366,125
17 Claims. (Cl. 35—48)



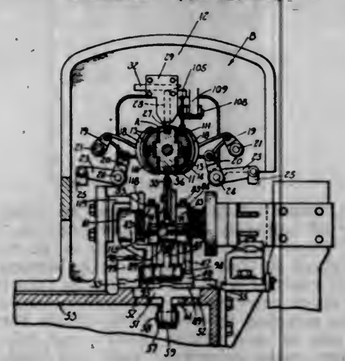
1. An examination grader for totalizing the number of correctly located perforations in an answer sheet superimposed with a perforated master sheet so that such correctly located perforations register with corresponding ones in the master sheet comprising, in combination, a pair of plates adapted to receive the sheets therebetween, one of said plates being conductive and the other nonconductive, said nonconductive plate having a plurality of separate contactors thereon corresponding with all perforations in the master sheet and adapted to contact severally the conductive plate wherever the perforations in said sheets coincide, a slider adapted for movement along one of said plates and having means for successively contacting said contactors, a counter adapted to be actuated by separate electrical impulses, and an electrical circuit connecting said conductive plate, counter and slider in series with each other to a source of current.

2,294,417
ALTIMETRIC DETERMINING DEVICE
Douglas E. Morrison, United States Army, Trenton, Ga.
Application April 9, 1941, Serial No. 387,659
7 Claims. (Cl. 33—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



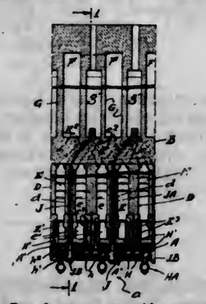
1. In an altimetric determining system a base end instrument comprising in combination, a vertically disposed shaft, a second shaft rotatably mounted on said first named shaft for movement about an axis normal to said first shaft, a pin fixed to said second shaft transversely thereof, a sighting system attached to said pin for rotation about the axis thereof, and means attached to the vertically disposed shaft and controlled by rotation of said second shaft for transmitting movement of said last named shaft.

2,294,418
WELDING MACHINE
John H. Murch, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 16, 1939, Serial No. 309,659
8 Claims. (Cl. 219—6)



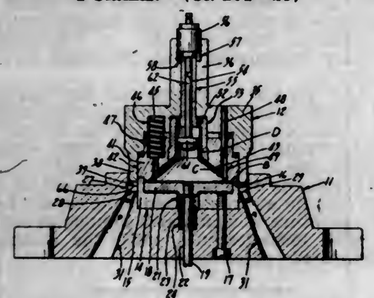
1. In a welding machine, the combination of a stationary work support, a stationary welding electrode in said support, a slide member disposed adjacent said support, a cooperating electrode pivotally mounted on said slide member and movable therewith along the work on the support for performing a welding operation thereupon, means for moving said slide member, means for normally urging said movable electrode into engagement with the work for a welding operation, and means disposed in the path of said slide member and engageable therewith for shifting said movable electrode out of engagement with the work at the conclusion of said welding operation

2,294,419
UNDERFIRED COKE OVEN
Carl Otto, New York, N. Y., and Frans Wethly, Manhasset, N. Y., assignors to Fuel Refining Corporation, Dover, Del.
Application November 28, 1940, Serial No. 367,506
8 Claims. (Cl. 202—151)



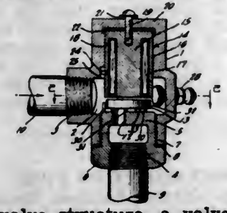
1. An underfired regenerative coke oven battery comprising a mass of masonry above a basement space, regenerator division walls in the lower portion of said mass, oven heating walls located in the upper portion of said mass and formed with combustion flues, uprising rich fuel gas supply channels formed in said division walls and connected at their upper ends to said flues, rich fuel gas distribution pipes beneath said mass and conduit connections between each of said pipes and a plurality of said channels each of which comprises a restricted orifice portion which is in position to absorb heat from said mass and is surrounded by heat insulating material.

2,294,420
TRIMMING DIE
Walter B. Place, Union, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 23, 1941, Serial No. 394,927
4 Claims. (Cl. 164—29)



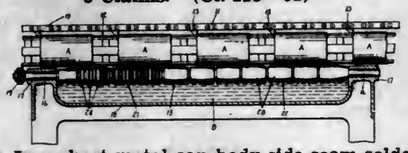
4. A trimming die for sheet material articles, comprising in combination, a stationary die block, a die ring in said die block and having a straight cut edge, a punch movable toward said die block, a pressure ring disposed in said punch for holding an article to be trimmed on said die ring, and a punch ring also in said punch and having a serrated cut edge which cooperates with the cut edge of said die ring in cutting away scrap material in small pieces from an article held in place on said die ring so that the trimmed off scrap material will fall readily away from said die ring, said die block having discharge openings and inclined chutes formed therein to direct the small pieces of trim scrap away from the die ring so that they will be prevented from collecting on the block.

2,294,421
VALVE STRUCTURE
William A. Ray, Glendale, Calif.
Application March 26, 1940, Serial No. 326,022
8 Claims. (Cl. 137—139)



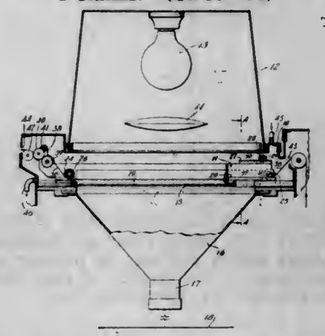
1. In a valve structure, a valve body having an inlet opening and an outlet opening, as well as a port partition between said openings and having a port therethrough, said partition also having an annular valve seat around the opening and on the inlet side of the body, said inlet side forming a chamber in communication with the inlet opening, an unattached valve closure member at least partly of magnetic material overlying said seat and urged toward its seated position by the pressure of fluid in said chamber, said member having a portion substantially overlapping said seat so as to project considerably beyond said seat, and an electromagnet magnetically influencing said closure member and producing a magnetic force operating upon said projecting portion, said force being asymmetric with respect to the port to cause said member to tilt upon the seat when the electromagnet is energized.

2,294,422
SOLDERING MACHINE
John G. Reid, San Jose, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 19, 1939, Serial No. 310,074
3 Claims. (Cl. 113—61)



3. In a sheet metal can body side seam soldering machine, the combination of a reservoir for retaining a bath of molten solder, means for conveying can bodies across said reservoir, and a roll rotatably mounted in said reservoir and disposed parallel to the path of travel of the bodies passing thereover, said roll comprising a section for applying solder from the bath to said seams and a preheating section disposed in advance of and spaced longitudinally from said solder applying section for conveying heated solder from the bath to adjacent said seams to gradually preheat the latter by radiated heat from the hot solder and the hot roll preheating section prior to the application of solder by the soldering section, the structure of the preheating section being such that any solder applied thereby to said seams is materially less than that applied by said soldering section, and the length of the preheating section for any given size of can being such that the seams are slowly and thoroughly preheated to prevent undue warping and springing apart thereof prior to and during the application of solder by the soldering section.

2,294,423
PHOTOGRAPHIC APPARATUS
Lorenzo del Riccio, Los Angeles, Calif.
Application August 3, 1940, Serial No. 350,346
In Great Britain August 26, 1939
4 Claims. (Cl. 95—94)



1. Apparatus for projecting the images on a photographic film, comprising a light source, a projecting lens, a carrier for said film slidably mounted on a support, means for driving said film through said carrier and means for selectively adjusting the position of said carrier longitudinally of said support and locking said carrier to said support, said means comprising an axially movable pinion in mesh with a rack on said carrier and a member carried by said pinion which in one position of said pinion engages a recess in said carrier to lock said carrier to said support and in another axially removed position of said pinion is disengaged from said recess.

2,294,424
HOLLOW ELASTIC BALL
Fred T. Roberts, Los Angeles, Calif., assignor to Albert H. Bates, Shaker Heights, Ohio
Application September 2, 1938, Serial No. 228,093
10 Claims. (Cl. 273—61)



1. A hollow rubber ball of the type that can be indented appreciably by hand, comprising a closed hollow resilient sphere, having a comparatively thin wall and a comparatively great internal diameter, and a layer of thin stretched elastic strands entirely covering the sphere, said layer being no greater in thickness than the thickness of the wall of said sphere.

2,294,425
GEOMICROBIOLOGICAL PROSPECTING
Robert Thomas Sanderson, Sierra Madre, Calif., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application May 22, 1940, Serial No. 336,652
4 Claims. (Cl. 23—230)

2. A method of prospecting for sub-surface hy-

drocarbon deposits comprising determining the relative amount of at least one hydrocarbon contained in components taken from spaced survey stations, and determining the relative amount of at least one micro-organism, capable of produc-

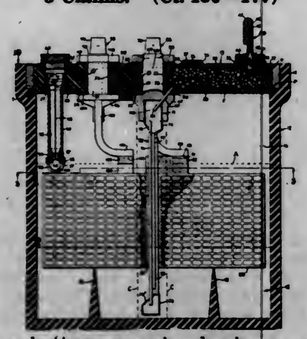


ing at least one hydrocarbon thus determined, contained in soils taken from substantially the same spaced survey stations to provide a basis for more accurate correlation of data obtained by said hydrocarbon determinations.

2,294,426
PIGMENT MANUFACTURE
Sylvester A. Scully, New Milford, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Substituted for abandoned application Serial No. 314,047, January 16, 1940. This application August 8, 1941, Serial No. 406,007
2 Claims. (Cl. 260—148)

1. The method of producing a high solids aqueous pulp of the pigment obtained by coupling tetrazo dionisidine with 2 naphthol 6 sulfonic acid, which comprises initially coupling the components in a bath maintained at a pH of from about 4.0 to about 7.0, whereby a maroon pigment is formed, thereafter adding an alkali to the bath whereby the pigment is converted to a blue color, and thereafter metallizing the pigment.

2,294,427
BATTERY
Arthur E. Spicer, Los Angeles County, Calif.
Application November 29, 1940, Serial No. 367,750
3 Claims. (Cl. 136—177)

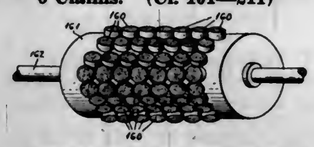


1. In a battery, a casing having a cell therein, a closure for the casing, said closure having a chamber therein, a breather member including a conduit from said chamber to the atmosphere, said closure having an aperture, a terminal extending through said aperture, said terminal and said closure having aligned apertures, a tube passing through said apertures, a cup member on said terminal, said tube extending into said cup member and opening into said chamber, a grid in said cell between the top and bottom thereof, means connecting the terminal member to the grid, a second cup member in the casing below the grid, conduit means affording communication between the cup members, said conduit means projecting into the interior of each cup member, a second conduit means communicating with the terminal cup member and extending to a location below the grid and a third conduit means extending from the lower cup member to a location above the grid.

2,294,428
TREATMENT OF FISH
Paul Stockhamer, London, England
No Drawing. Application March 24, 1941, Serial No. 385,005. In Great Britain December 31, 1940
16 Claims. (Cl. 99—160)

1. A process for desalting fish which consists in watering the fish with an aqueous solution containing at least one food preservative salt together with a carbonate and a very small amount of a proteolytic enzyme selected from the group consisting of pepsin and papain.

2,294,429
PROCESS FOR PRINTING AND DECORATING FABRICS
Robert Stutz, Arlington, N. J., assignor to S. T. & S. Holding Co. Inc., New York, N. Y., a corporation of New York
Application June 18, 1940, Serial No. 341,103
6 Claims. (Cl. 101—211)

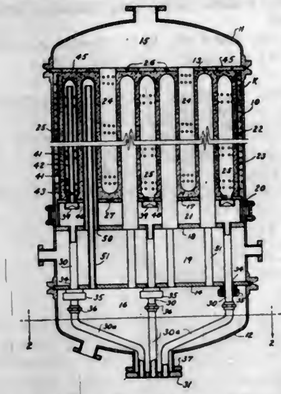


1. The method of making printing plates and rollers comprising forming water soluble doughy masses of different colors, stretching them into cylinders, cutting up the cylinders, laying them together, repeating the stretching, cutting and laying operations and then placing the segments on a base.

2,294,430
CATALYTIC CONVERTER
Clarence H. Thayer, Media, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application August 3, 1940, Serial No. 350,183
6 Claims. (Cl. 23—288)

1. Apparatus for carrying out chemical reactions comprising a casing having side and top and bottom end walls, upper and lower transverse partitions extending across the casing providing a reaction chamber therebetween for containing contact material, said partitions being apertured for the passage of reactants through the reaction chamber, an upper tube sheet extending across the casing in spaced relation with said lower partition forming a reactant manifold

below the reaction chamber, a lower tube sheet spaced from the upper tube sheet and bottom end wall forming therewith upper and lower heat exchange fluid manifolds, an outer nested imperforate tube having a closed end positioned within said reaction chamber and an open end secured to said upper tube sheet and communicating therethrough with said upper heat exchange manifold, an inner nested imperforate



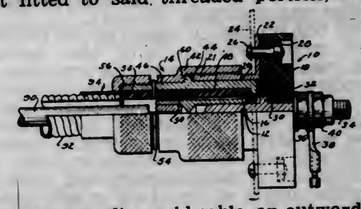
tube having one open end spaced from the closed end of said outer tube and its other open end secured to said lower tube sheet and communicating therethrough with said lower heat exchange manifold, and conduit means secured to said upper tube sheet and communicating therethrough with said reactant manifold, said conduit means extending downwardly through said lower tube sheet and said heat exchange fluid manifolds.

2,294,431
PURIFICATION OF ZIRCONIUM COMPOUNDS
Eugene Wainer, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 31, 1941, Serial No. 404,876
13 Claims. (Cl. 23—23)

1. The method of purifying crude zirconium compounds or ores, comprising preparing a crude aqueous mixture containing zirconyl ions, sulfate ions, and ions of an acid, other than sulfuric, which has a lower boiling or decomposition point than sulfuric acid and which does not form insoluble precipitates with zirconium compounds, the proportion of zirconyl ions to sulfate ions being between 2 to 3 and 4 to 1, and the concentration of zirconyl ions being such that the zirconium dioxide content is between 100 and 400 grams per liter of liquor, evaporating said mixture to dryness at a temperature between 90° C. and 850° C. to form a precipitate of insoluble zirconium oxysulfate, leaching to dissolve impurities, and separating said precipitate from the dissolved impurities.

2,294,432
ELECTRICAL CONNECTOR
George E. Weidner, Dayton, Ohio
Application August 3, 1940, Serial No. 350,400
1 Claim. (Cl. 173—328)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In an electric cable connector, a hollow cylindrical contact element having longitudinal slits through the cylinder wall at circumferentially spaced intervals, an axially extending cable electrically joined to said element, axially adjacent insulating sleeves freely surrounding said element, inwardly extending shoulder portions formed in said insulating sleeves, shoulder portions on said contact element embraced between said sleeve shoulder portions, a metal shell slidably surrounding said insulating sleeves, an inturned annular rib at one end of said shell and an externally threaded portion at the other end, a nut fitted to said threaded portion, a cable

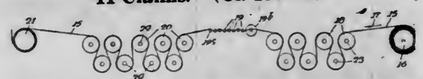


housing surrounding said cable, an outwardly extending flange on said cable housing adjacent the end of said insulating sleeves, an inturned rib on the outer end of said nut, said cable housing flange being confined between said inturned rib and the threaded end of said shell, said flange and said insulating sleeves being embraced between the inturned rib of said nut and the inturned rib of said shell, and a spring snap ring secured to said shell adjacent the inner end of said nut, a portion of said ring extending through said shell and into an insulating sleeve.

2,294,433
HYDROXY KETONES OF THE CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES AND METHOD OF PRODUCING THE SAME
Ulrich Westphal, Berlin-Zehlendorf, Arthur Serini, Berlin, and Heinrich Köster, Berlin-Charlottenburg, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application October 5, 1938, Serial No. 233,346. In Germany October 5, 1937
11 Claims. (Cl. 260—397.4)

1. Process for the manufacture of 3-mono-enol ethers of androstandione comprising heating 3-mono-acetals of androstandione until the 3-mono-enol-ether is formed.

2,294,434
METHOD AND APPARATUS FOR FORMING VENETIAN BLIND SLATS AND STRIP MATERIAL THEREFOR
Allen B. Wilson, Evanston, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application November 7, 1938, Serial No. 239,229
11 Claims. (Cl. 153—2)



1. The method of forming a longitudinally straight metal strip of non-planar cross section, which comprises the operations of stretching longitudinally the metal of an elongated substantially flat strip between its edges by subjecting the strip between its edges to longitudinal tension of such magnitude that if the tension were released all parts of the metal between said edges would be under compression, and then bending the

CARNEGIE LIBRARY OF ATLANTA

strip transversely and effecting a stretching of the edge portions of the strip until all portions of the strip have been stretched longitudinally to substantially the same extent.

3. The combination in apparatus for forming a straight metal strip of non-planar cross section, of means for stretching longitudinally the metal of an elongated substantially flat metal strip between its edges, and means for thereafter bending the strip transversely and effecting a stretching of the edge portions of the strip to substantially the same extent as said portion between said edges was previously stretched.

5. The combination in apparatus for forming a straight metal Venetian blind slat having a curved cross section, of means for stretching the intermediate portion of an elongated substantially flat metal strip, rolls having complementary concave and convex surfaces for thereafter bending said strip transversely, means cooperating with said rolls for stretching the edge portions of said strip longitudinally, and means for varying the degree of stretching of said edges of the strip.

2,294,435

PROCESS FOR RENDERING TEXTILES WATER-REPELLENT

Edgar Wolf, Krefeld, Germany, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York

No Drawing. Application November 29, 1937, Serial No. 177,054. In Germany December 4, 1936

6 Claims. (Cl. 8—115.5)

1. A process for ennobling textile material which comprises impregnating the material with the reaction product of stearic acid amide, two-thirds of a mol of trioxymethylene for each mol of amide, and hydrochloric acid, rendered water-soluble by subsequent treatment with pyridine, and heating the impregnated textile so treated to a temperature above about 90° C. for a sufficient time to drive off said pyridine and hydrochloric acid, thereby producing water-repellence in said textile material.

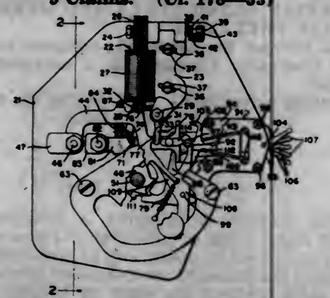
2,294,436

PRINTING TELEGRAPH APPARATUS

Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Original application December 31, 1936, Serial No. 118,525, now Patent No. 2,228,716, dated January 14, 1941. Divided and this application January 11, 1941, Serial No. 374,071

9 Claims. (Cl. 178—33)



1. In combination, an electromagnet, an armature therefor, a spring biased element presentable into either of two positions, means for presenting said element into one of said positions in opposition to the spring bias, means controlled by said element for presenting said armature to said electromagnet, and means for delaying the effectiveness of the last-mentioned means.

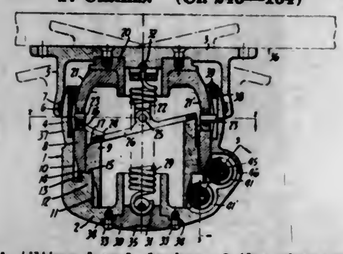
2,294,437

TILTING HEAD DEVICE

Clarence E. Allen and John F. Pagendarm, San Francisco, Calif.; said Pagendarm assignor to said Allen

Application April 21, 1941, Serial No. 389,494

17 Claims. (Cl. 248—184)



6. A tilting head device of the character described, comprising; a housing; a head slidably supported on said housing for movement in planes extending perpendicularly to each other and intersecting each other at a point within said housing; two pairs of cam-followers carried by said head; the followers of each of said pairs being in axial alignment; the axes of said pairs of followers intersecting each other at said point; and a pair of rotary cams in said housing each of which supports one of said pairs of followers; said cams being arranged and adapted to cause relative movement of said followers in said planes upon rotating said cams relatively; and means for rotating said cams relative to each other.

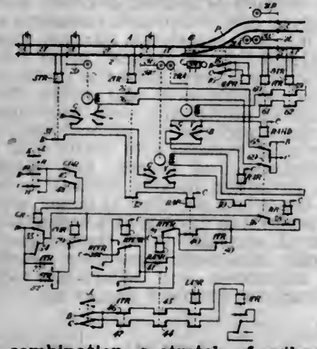
2,294,438

RAILWAY SIGNALING SYSTEM

Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application November 25, 1941, Serial No. 420,371

5 Claims. (Cl. 246—160)



1. In combination, a stretch of railway track containing a track switch movable between a normal and a reverse position, an approach locking relay effective when deenergized to prevent movement of the switch and effective when energized to permit the switch to be moved, a searchlight signal governing movement of traffic across the switch, said signal being capable of displaying a stop indication and at least one proceed indication, a first and a second auxiliary relay associated with said signal, means effective when the signal displays its stop indication for supplying energy to the first auxiliary relay, means effective when the signal displays a proceed indication for supplying energy to the second auxiliary relay, and a circuit for supplying energy to said approach locking relay, said circuit including a front contact of said first auxiliary relay and a back contact of said second auxiliary relay.

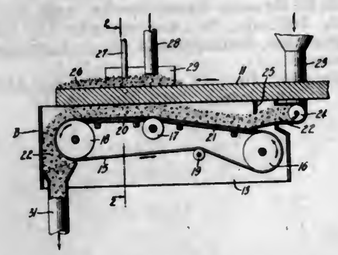
2,294,439

METHOD OF AND APPARATUS FOR WELDING

Glen D. Bagley, Lewiston, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

Application May 9, 1940, Serial No. 334,099

16 Claims. (Cl. 113—59)



1. A process of welding which comprises depositing molten metal in and along successive portions of a welding groove while progressively bringing granulated refractory material into contact with the back side of such successive portions of the welding groove in synchronism with such molten metal depositing operation.

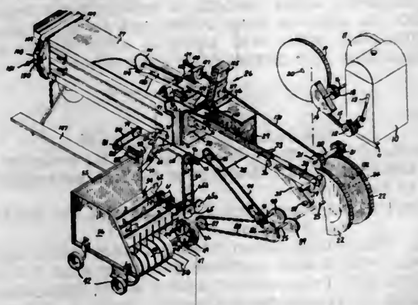
2,294,440

METHOD OF BALING

Eros V. Barker, Bellevue, Ohio, assignor to The Ohio Cultivator Company, Bellevue, Ohio, a corporation of Ohio

Original application November 2, 1939, Serial No. 302,579. Divided and this application June 19, 1940, Serial No. 341,223

9 Claims. (Cl. 100—25)



1. A method of baling which comprises the steps, of picking up material from the ground by means of a mechanism operated at a substantially constant rate to continuously forward material to a feeding mechanism, of feeding the material toward a compression chamber at a greater rate when the chamber is open than when it is closed, and of compacting the charges so fed in the compression chamber.

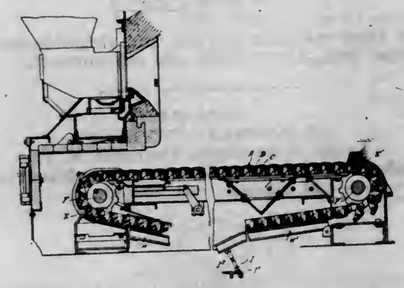
2,294,441

CHAIN TAKE-UP MECHANISM FOR CHAIN GRATE STOKERS

Royce L. Beers, Birmingham, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan

Application July 17, 1940, Serial No. 346,048

7 Claims. (Cl. 110—40)



1. In a stoker, a traveling grate comprising a chain, sprockets around which said chain passes, a series of grate bars pivotally attached to said chain, rails for slidably supporting in a fixed plane the bars attached to the upper portion of said chain, oppositely inclined rails for supporting the bars attached to the lower return portion of said chain to approximate a natural catenary curve, and means for adjusting the angle of one of said inclined rails to accommodate varying degrees of slack in said chain and to correspondingly change the catenary curve.

2,294,442

METHOD OF FORMING AMINO COMPOUNDS

Frederick C. Bersworth, Verona, N. J., assignor to The Martin Dennis Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application July 13, 1939, Serial No. 284,216

7 Claims. (Cl. 260—404)

7. The method of converting oleic acid into a mixture of mono-nonylamine and omega octylamino acid amide which comprises dissolving dehydrated oleic acid in benzine, reacting the dissolved oleic acid with anhydrous ammonia to convert the said acid to oleic acid amide, and reacting the said amide in said solution with anhydrous ammonia under pressure in excess of 150 pounds in the presence of a hydrogenating catalyst at the hydrogen activating temperature of the said catalyst.

2,294,443

MACHINE FOR OPERATING UPON SOLES

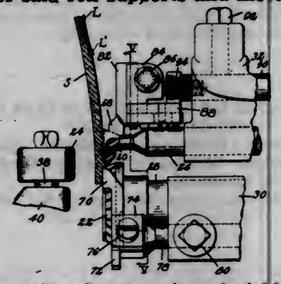
Frederic E. Bertrand, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application March 13, 1941, Serial No. 383,191

6 Claims. (Cl. 12—30)

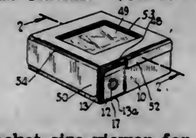
1. In a lip-setting machine, a pair of substantially parallel lip-setting rolls, supports for said rolls, a sole support movable toward and from said lip-setting rolls in a direction parallel to

the axes of said lip-setting rolls, a plow carried by one of said roll supports and movable toward



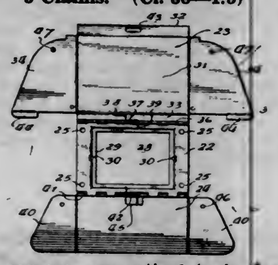
and from said sole support, and yieldable means urging said plow toward said sole support.

2,294,444
TRANSPARENCY VIEWER
Frank S. Boroughs, Elmhurst, N. Y.
Application November 22, 1941, Serial No. 420,065
12 Claims. (Cl. 40—132)



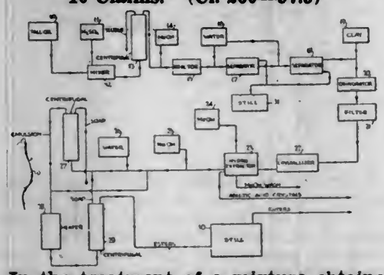
1. In a pocket size viewer for color and black and white transparencies, a casing having at least one side wall with a loose resilient tongue-like portion, a power unit and an electric bulb connected in circuit therewith and mounted therein and adapted for illumination by depression of said tongue-like portion, a light diffusing member mounted in said casing and forming its top wall, and a cap-like member adapted to fit over the casing, said cap-like member having a cutout side wall portion to permit ready access to the tongue-like portion of said wall of said casing, and having an opening in its top surface of suitable size to permit the viewing of illuminated 35 mm. pictures positioned on said light diffusing member below said cap-like member.

2,294,445
REFLEX CAMERA
Max Bressler, Chicago, Ill.
Application May 1, 1940, Serial No. 332,767
3 Claims. (Cl. 88—1.5)



1. In a camera, an optical train for projecting the image of an objective to one end thereof, a substantially rectangular frame-like member blocking said end and attached to said camera, a view finding screen fixed within said frame-like member and adapted to receive said projected image, a pair of cooperating substantially U-shaped members hingedly attached to opposite sides of said frame-like member and adapted to form a substantially perpendicularly disposed rectangular hood completely surrounding said view finding screen and stop means associated with said members for maintaining same in said substantially perpendicular arrangement, said stop means comprising a rear outwardly struck lug provided on the body of one of said U-shaped members adjacent the edge of hinged attachment and adapted to engage the top of the camera outside of the frame-like member, and a pair of inwardly bent projections, one formed on the edge of each of the arms of the second of said U-shaped members adapted to engage the underside of said frame-like member, said frame-like member having spring means urging each of said U-shaped members to said perpendicular disposition.

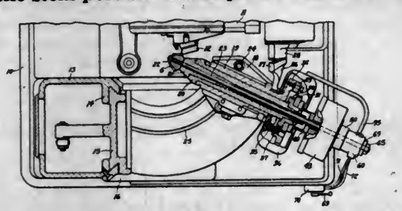
2,294,446
TREATMENT OF TALL OIL ACIDS
Charles R. Brown, Upper Darby, and Ashton T. Scott, Ardmore, Pa., assignors to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 12, 1940, Serial No. 340,026
10 Claims. (Cl. 260—97.5)



3. In the treatment of a mixture obtained by subjecting tall oil to selective esterification with a lower aliphatic alcohol to effect esterification of fatty acids to the substantial exclusion of resin acids, the process comprising selectively crystallizing a portion of the resin acid content of the mixture and removing the crystallized resin acids from the mixture, mixing the resulting mixture from which a part of the resin acids have been removed by selective crystallization with a base capable of forming water soluble soaps with the resin acid content of the mixture to form a mixture of the fatty acid esters with soap formed by neutralization of resin acids by said base, adjusting the water content of said mixture to produce an aqueous soap phase and an ester phase immiscible with said aqueous soap phase, and separating said phases from each other.

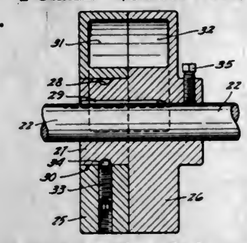
2,294,447
CHUCKING MECHANISM
Leonard O. Carlsen, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application September 6, 1941, Serial No. 409,859
4 Claims. (Cl. 90—1)

1. The combination with a rotary work spindle of a chucking mechanism comprising a draw bar which is mounted in a bore in the spindle and which is reciprocable therethrough, a cylinder which is secured to said spindle, a piston operatively connected to the draw bar and reciprocable in said cylinder, said piston having a stem portion which projects through one end of the cylinder, means for conducting fluid under pressure to opposite sides of the piston including a relatively fixed swivel member which is journaled on the stem portion of said piston and which has



ducts formed therein that communicate with ducts that are formed in the stem portion of said piston and that lead to opposite sides of the piston.

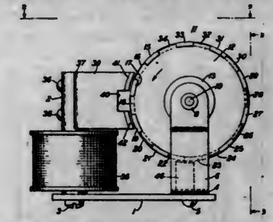
2,294,448
SCREENING MACHINE
Joseph A. Coyle and Charles H. Roth, Minneapolis, Minn.
Application July 17, 1941, Serial No. 402,754
1 Claim. (Cl. 209—367)



The combination with a deck mounted for vibratory movements, of a power-driven shaft mounted on said deck, a two-section vibrator head mounted on said shaft for rotation therewith, one of said sections having an axially projecting hub and the other section being of annular form and mounted on said hub, said sections having in their opposed inner faces segmental cavities and counter-balancing solid portions, said hub having a peripheral groove and said annular member having a radial set-screw, the inner end of which works in said peripheral groove, the peripheral surfaces of said sections and of said hub being concentric to the axis of said shaft, the section having the hub being rigidly secured to said shaft and said annular member being capable of infinitesimally small rotary adjustments without removal of said set-screw from the groove of said hub.

2,294,449
ALTERNATING CURRENT MOTOR
Emil Dickten, Jr., Totowa, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1940, Serial No. 344,899
14 Claims. (Cl. 172—275)

1. In a self-starting alternating current motor, a stator core, a stator winding thereon, a magnetic rectifier in series with said core comprising two pole members secured to one end thereof each having a plurality of pole-pieces and a permanent magnet interconnecting said members adjacent to their free ends, and a rotor positioned in the magnetic circuit extending serially through said core and rectifier having two sets of pole-pieces for cooperation respectively with the pole-pieces of said pole members whereby flux generated by said stator winding is impeded or aided in its flow through one or the other of said members dependent upon the direction of the current by which said winding is energized.



2. In a self-starting alternating current motor, a stator core, a stator winding thereon, two parallelly disposed members of magnetic material secured to one end of said core each having a plurality of pole-pieces, a permanent magnet interconnecting said members adjacent to their free ends and a rotor positioned in the magnetic circuit extending serially through said core and said members having two sets of pole-pieces for cooperation respectively with the pole-pieces of said members.

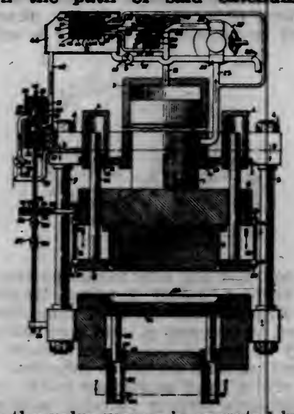
2,294,450
MANUFACTURE OF ARTIFICIAL FILAMENTS, FOILS, AND SIMILAR MATERIALS
Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 3, 1939, Serial No. 297,682. In Great Britain October 25, 1938
6 Claims. (Cl. 8—129)

5. Process for the treatment of artificial filaments, foils and other materials containing an organic derivative of cellulose containing free hydroxy groups, which comprises heating the materials with a compound containing both an esterifying and an etherifying radicle in a medium which is a non-solvent for the materials and which contains a halogenating agent selected from the group consisting of phosphorus pentachloride and thionyl chloride until both the radicles have reacted with the hydroxy groups present in the organic derivative of cellulose.

2,294,451
BLANK HOLDER AND DIE CUSHION CYLINDER HAVING SEPARATE ADJUSTABLE PRESSURES
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Mount Gilead, Ohio, a corporation of Delaware
Application March 29, 1940, Serial No. 326,709
7 Claims. (Cl. 113—45)

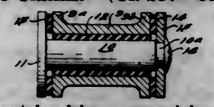
1. A hydraulic press comprising in combination a drawing plunger, a plurality of fluid operable clamping pistons reciprocable in clamping cylinders, a plurality of variable delivery pumps respectively associated with said clamping cylinders for supplying fluid thereto, said pumps being adapted automatically to vary the supply of fluid to said cylinders in response to the pressure prevailing in said cylinders, means adapted to prevent equalization of the pressure in said clamping cylinders, and valve means adapted to allow escape of fluid from said clamping cylinders during the retraction stroke of the drawing plunger, and means extending from said drawing plunger, said extending means being located out of contact with said valve means at the end of the

drawing stroke of said drawing plunger, but located in the path of said extending means,



whereby the valve means is operated by said extending means during the retraction stroke of said drawing plunger.

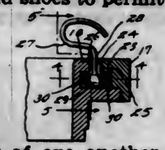
2,294,452
RESILIENT BUSHING
Frederick M. Guy, Detroit, Mich., assignor to Guy and Murton, Incorporated, Detroit, Mich., a corporation of Michigan
Application May 22, 1939, Serial No. 274,929
3 Claims. (Cl. 287—85)



1. A resilient bushing comprising a cylindrical metal sleeve having a body portion and integral enlargements providing flat annular surfaces at its opposite outer ends of greater outside diameter than the outside diameter of said body portion, a shaft extending through the sleeve, a tubular rubber bushing located between the metal sleeve and shaft and held under compression therebetween, said shaft having an integral disk at one end thereof of substantially the same diameter as said enlargements, a second disk mounted upon the opposite end of the shaft of substantially the same diameter as said integral disk, a rubber ring located between the first disk and the enlarged annular flat surface at the adjacent end portion of the metal sleeve, and a second rubber ring located between the second disk and the enlarged annular flat surface at the opposite end portion of said metal sleeve, both of said rings being under compression, said tubular rubber bushing being subjected to compressive forces from the approximate longitudinal center thereof outwardly in opposite directions.

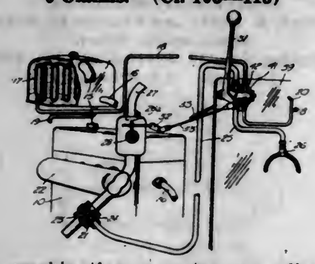
2,294,453
RING AND TRAVELER FOR SPINNING AND TWISTING FRAMES
William Grant Harrison, Decatur, Ala.
Application November 19, 1941, Serial No. 419,792
7 Claims. (Cl. 57—119)

1. A spinning ring having an annular upwardly opening groove, a traveler having a yarn engaging portion disposed above the ring and a base portion slidably disposed in the groove, said base portion including elongated shoes, slidably disposed in the groove, and trunnions connected to the yarn engaging portion and turnably engaging the said shoes to permit the shoes to rock



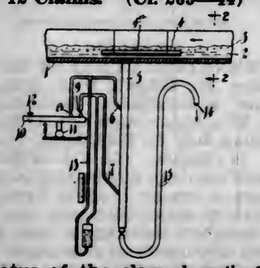
independently of one another relatively to the yarn engaging portion.

2,294,454
ENGINE-DRIVEN PUMP
Lawrence Hathaway and John Thomas Wooddisse, Coventry, England, assignors to Coventry Climax Engines Limited, Coventry, England
Application June 9, 1941, Serial No. 397,336
In Great Britain November 8, 1940
6 Claims. (Cl. 103—113)



1. In combination, a motor, a cooling means for the motor, a pump driven by the motor, a normal exhaust for the motor, a secondary exhaust for the motor, exhaust valve means to open and close the normal exhaust, a suction device in the secondary exhaust, a priming conduit connecting the suction device and pump, a liquid conduit connecting the cooling means and the exhaust of the pump, coordinate valve means in the conduits to open and close same only alternately, and operating means both for the exhaust valve means and coordinate valve means adapted to cause the exhaust valve means to close and open the normal exhaust simultaneously with the opening and closing of the priming conduit.

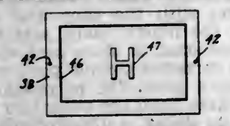
2,294,455
DENSITY MEASURING APPARATUS
Herbert E. T. Haultain, Toronto, Ontario, Canada
Application December 20, 1939, Serial No. 310,141
In Canada December 7, 1939
12 Claims. (Cl. 265—44)



1. Apparatus of the class described comprising an inclined launder for conveying fluent material containing air bubbles; a shallow inverted V shaped plate slightly spaced from the bottom of the launder and extending lengthwise thereof for dividing the flow of material there-

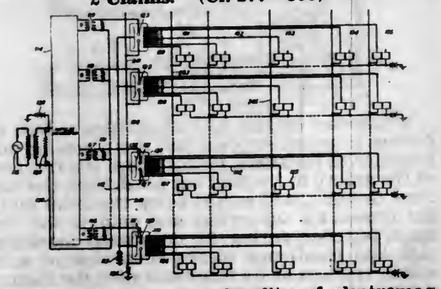
through to separate the upper portion containing more of the air bubbles from the lower portion containing relatively few air bubbles; a conduit in communication with the launder adjacent its bottom for continuously carrying a sample of the material from said lower portion, the conduit being located intermediate the ends of the said plate and centrally of the apex thereof, the plate being positioned beneath the upper portion of the fluent material thus reducing the velocity of the material beneath the plate so that any bubbles in the lower portion of the fluent material will move upwardly into contact with the plate and thereafter be diverted to the apex of the plate and be united to form large bubbles having less tendency than small bubbles to be carried with the smaller flow into the conduit; and means for indicating the density of the material in the conduit.

2,294,456
METHOD OF MAKING PRINTING PLATES
John F. Hawley, Riverside, Ill.
Application September 30, 1940, Serial No. 358,977
3 Claims. (Cl. 101—401.2)



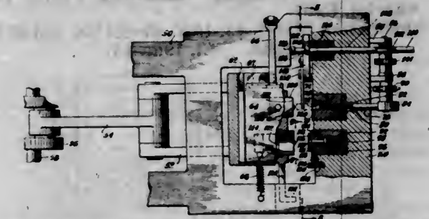
1. In the method of making a set of printing plates for a multi-color printing press, including forming the printing indicia or design in metal plates, making matrices therefrom, casting from the matrices rubber composition plates bearing the printing indicia and applying adhesive coated backings thereto, the step of providing said plates with indexing means which comprises forming spaced lugs on said metal plates identically aligned on each plate with respect to the printing indicia or design, which said lugs result in corresponding recesses in said matrices and corresponding lugs on said rubber plates, and accurately punching out said last mentioned lugs to remove said lugs and leave holes in their places in said rubber plates.

2,294,457
SELECTIVE SYSTEM
William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 31, 1940, Serial No. 363,725
2 Claims. (Cl. 177—353)



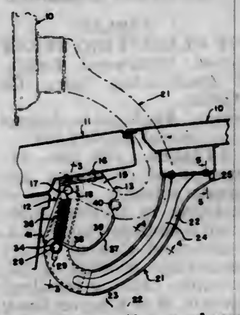
1. In combination, a plurality of electromagnets arranged electrically in coordinate rows, a series of discharge tubes, one for each row of magnets in one coordinate direction, each tube having an electrode connected in common to the windings of the magnets in the associated row, a second series of discharge tubes, one for each row of magnets in the second coordinate direction, each of the tubes in said second series having a plurality of electrodes connected individually to the windings of the magnets in the associated row, means for operating any discharge tube in the first series and any discharge tube in the second series, and circuit means controlled by the operated tubes and including only one of the individually connected electrodes of the operated tube of said second series for energizing the winding of the electromagnet represented by the operated tubes to the exclusion of the other electromagnets.

2,294,458
APPARATUS FOR THE MANUFACTURE OF ANCHOR NUTS
Daniel C. Hungerford, Madison, N. J., assignor to Elastic Stop Nut Corporation, Elizabeth, N. J., a corporation of New Jersey
Original application May 26, 1938, Serial No. 210,145. Divided and this application December 4, 1941, Serial No. 421,559
4 Claims. (Cl. 10—76)



1. Apparatus of the character described including means for cutting a slug of predetermined length from bar stock, means for carrying the slug to a first station, means for upsetting one end of the slug at said station to form a blank having a laterally extending flange, means for carrying the blank to a second station comprising a part to be embedded in a portion of said flange subsequently to be removed, and means at said second station for trimming from the blank the portion of the flange in which said part is embedded.

2,294,459
HINGE CONSTRUCTION
Joseph George Joachim, Detroit, Mich., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application February 26, 1940, Serial No. 320,930
6 Claims. (Cl. 16—135)



1. A hinge for connecting a closure to a fixed

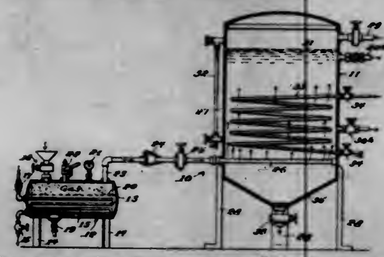
support comprising, a bracket secured to the fixed support and provided with laterally spaced substantially parallel plates having contoured edges forming cam surfaces, an arm having one end extending between the plates and supported to permit swinging movement of the arm relative to said plates, cam follower means mounted on each of the opposite sides of the arm beyond the contoured edges of the plates for sliding movement toward and away from said edges, spring means urging said follower means into engagement with the contoured edges of the plates whereby said follower means travels along the contoured edges of the plates upon swinging the arm in opposite directions relative to the plates, the cam surfaces formed by the contoured edges of the plates being complementary and shaped to coact with the spring influenced follower upon initial movement of the arm in one direction relative to the plates to assist continued movement of the arm in said one direction.

2,294,460

FLUID RECLAMATION APPARATUS

Colin C. Jones, Inglewood, Calif., assignor to Chemical Reclaiming Sales Co., Inc., Los Angeles, Calif.

Application March 25, 1940, Serial No. 325,897
1 Claim. (Cl. 196—15)



An apparatus for use in reclamation of spent cleaning fluids, comprising a vertically disposed tank for the spent cleaning fluid having a tapered lower end provided with a sludge outlet, a cleaning fluid inlet at the upper end of the tank, two fluid outlets arranged at different levels, a hollow foraminous member arranged in the bottom of the tank above the tapered portion, a vaporizing tank adjacent the first mentioned tank, means for supplying fluid to said tank, heating coils in said tank, a pipe connected to the upper end of the vaporizing tank and connected to the foraminous member, and a heating coil in the first mentioned tank directly above the hollow foraminous member.

2,294,461

PROCESS OF CLARIFYING SPENT SOLVENTS

Colin C. Jones, Inglewood, Calif., assignor to Chemical Reclaiming Sales Co. Inc., Los Angeles, Calif.

No Drawing. Application August 27, 1940, Serial No. 354,453
2 Claims. (Cl. 196—15)

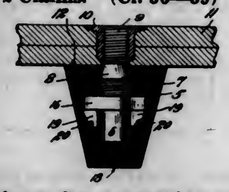
1. The process of clarifying and reclaiming used and spent solvents of the character described, consisting in forcing such solvent upwardly through a confined body of a compounded mixture of isopropyl alcohol, water and a sulphated condensation product of fatty acids and monoethanolamine causing relatively heavy substances to remain in or float on the upper surface of the clarifying mixture and the clarified solvent float above the same, and decanting the clarified solvent therefrom at a point some distance above the heavy substance and below the upper level thereof.

2,294,462

SHOE CLEAT

Harold D. King, Medina, and Kenneth J. Durant, Akron, Ohio, assignors to American Hard Rubber Company, New York, N. Y., a corporation of New York

Application November 18, 1941, Serial No. 419,544
2 Claims. (Cl. 36—59)



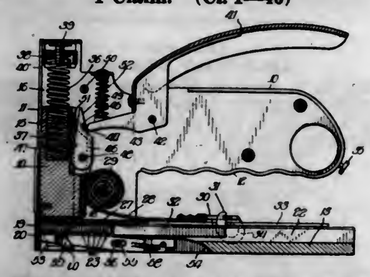
1. A cleat for a shoe comprising a plastic body and means for securing the plastic body to a shoe having a shank with a threaded end adapted for connection with the shoe and a head end embedded in the plastic body, said head end of the shank consisting of three sections, a tapered inner part, a threaded middle part and an outer part including a plate-like polygonal portion of greater cross area than the other two parts of the head end of the shank, a substantially cylindrical terminal portion and two wings connecting the sides of the terminal portion with the outer face of the flat polygonal portion, the corners of the polygonal portion and the outer edges of the wings being rounded.

2,294,463

FASTENER DRIVING TOOL

Edward Krantz, Chicago, Ill.; Helen Krantz, administratrix of said Edward Krantz, deceased, assignor of one-half to Valentine Pearson and one-half to Henry A. Torstenson, both of Chicago, Ill.

Application September 15, 1939, Serial No. 294,992
1 Claim. (Cl. 1—46)



A fastener driving tool comprising a feed bar having a groove therein for the reception of a plurality of fasteners, means above the front end of the groove in the feed bar for driving the foremost fastener, and means below the front end of the groove for supporting and guiding the foremost fastener during its downward movement, said last mentioned means consisting of a bar which engages at its front end with the fastener during the downward movement of the latter, and said bar being pivotally mounted to permit its front end to move downwardly with the fastener and slidably mounted to permit its front end to move rearwardly into a position out of

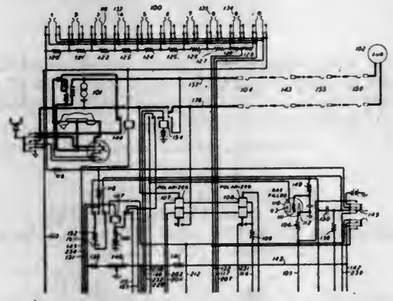
engagement with the fastener as the latter approaches the surface into which it is being driven, a spring for sliding the bar forwardly, and a cam in engagement with the bar at a point in front of the pivot for camming the bar rearwardly when the front end of the bar is forced downwardly by the fastener and for camming the front end of the bar upwardly when the bar is moved forwardly by the spring.

2,294,464

IMPULSE TRANSMITTER

Frederick R. Lamberty, Brooklyn, N. Y., and George W. Weaver, Westwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 9, 1938, Serial No. 201,076
12 Claims. (Cl. 177—380)



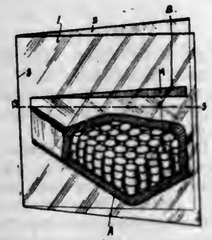
10. In a register in which a digit is recorded as a quantity of charge on a condenser, means for determining the value of the recorded digit comprising, means for connecting a potential in series with said condenser and varying the value of said potential in substantially uniform steps, the number of steps required to cause the effective total potential to arrive at a predetermined value thus being a measure of the charge on the condenser and hence characteristic of the digit recorded.

2,294,465

PRINTED ARTICLE

Richard Lasker, Jackson Heights, N. Y., assignor to Milprint Incorporated, Milwaukee, Wis., a corporation of Delaware

Application May 20, 1941, Serial No. 394,247
4 Claims. (Cl. 35—53)



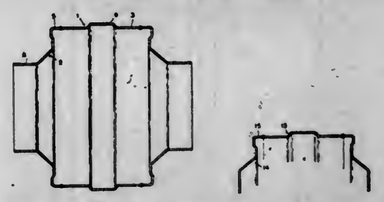
1. In combination, two sections of light-permeable material and adapted to be superposed in fixed relation, each section having a picture imprinted wholly upon its inner face, said pictures being superposed when the sections are superposed in said fixed relation, at least one of said pictures having a continuous and opaque and light-reflecting surface coating upon the inner exposed face of said picture, said coating having a color which is different from the color of the respective picture.

2,294,466

METHOD OF MANUFACTURING BRAKE DRUMS

Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application November 25, 1940, Serial No. 367,121
4 Claims. (Cl. 29—152.2)



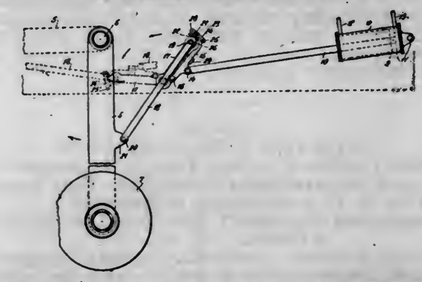
1. The method of manufacturing composite brake drums comprising shaping brake drum shell elements with apertured backs and integral annular flanges at the peripheries of the backs and positioning the apertured portion of one back so that it is axially offset from its final position to form a large pouring aperture, securing the shell elements in opposed relation with the annular flanges thereof substantially aligned and with the backs thereof axially spaced, pouring fluid brake engaging material through the large pouring aperture and against the inner surfaces of the annular flanges to line the shell elements, separating the lined shell elements and bending the axially offset apertured portion to final position and reducing the aperture therein.

2,294,467

LANDING GEAR

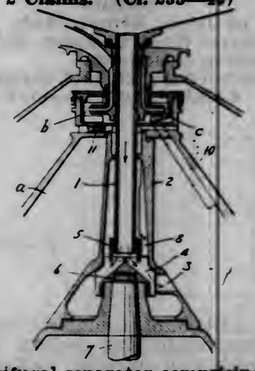
Camille Robert Lemonier, Bristol, Pa., assignor to Fleetwings, Inc., Bristol, Pa., a corporation of Delaware

Application July 20, 1940, Serial No. 346,533
10 Claims. (Cl. 244—102)



1. An actuating and locking mechanism for retractable landing gear comprising a pivoted wheel strut, hydraulic actuating means including a piston rod and means releasable only by movement of the piston rod for locking the wheel strut at the extremity of its travel in both directions, including resiliently biased dogs, rollers carried by said dogs, means adapted for engagement with said rollers and a lost motion connection between the piston rod and wheel strut, having cam surfaces adapted to lift the roller and the dog which is engaged during the initial movement of the piston rod.

2,294,468
CENTRIFUGAL SEPARATOR
Hans Olof Lindgren, Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application March 7, 1940, Serial No. 322,711
In Sweden May 27, 1939
2 Claims. (Cl. 233—49)

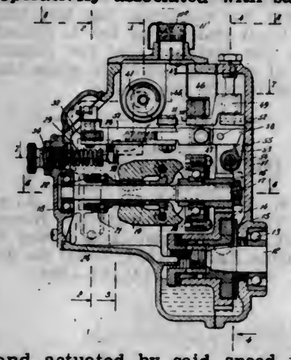


1. A centrifugal separator comprising a rotary bowl and a rotary central distributing chamber forming between them a separating chamber, the lower end portion of the distributing chamber opening into the separating chamber, a stationary feed tube extending down into, and through a considerable part of the length of, the distributing chamber and at its lower end opening thereinto above its bottom, wings, below the open lower end of the feed tube, rotating with the bowl and extending outward from the axis thereof and substantially spanning the space between the bottom of the distributing chamber and its side wall, the outer edges of the wings being at the level of the opening from the distributing chamber to the separating chamber, thereby forming closed flow channels within which the feed liquid flows from the feed tube to the separating chamber, and a tubular member within the distributing chamber and extending above said wings and surrounding and spaced from the lower end of the feed tube and spaced throughout its circumference a substantial distance from the wall of the distributing chamber and forming an annular space through which any liquid, splashing upward from the feed tube will be conveyed to the distributor chamber.

2,294,469
INJECTION PUMP GOVERNOR
Bruno Loeffler, West New York, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y., a corporation of Delaware
Application November 1, 1939, Serial No. 302,302
8 Claims. (Cl. 264—3)

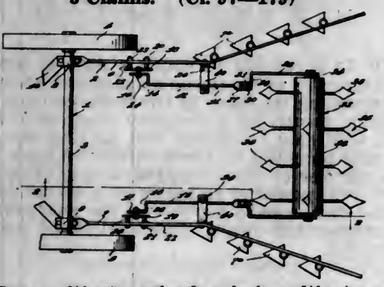
1. A governor comprising speed responsive means, engine driven means to drive the speed responsive means, control means, link means actuated by the speed responsive means to operate the control means, a pivoted plate having a control surface, means on the control means adapted to engage the control surface, and means actuated by the speed responsive means to operate the pivoted plate to limit actuation of the control means by the speed responsive means.

3. A governor comprising speed responsive means, engine driven means to drive the speed responsive means, fuel supply control means actuatable at least in part by the speed responsive means, a torque control mechanism operable to yieldably resist movement of said speed responsive means toward high speed position, and means operatively associated with said control



means and actuated by said speed responsive means to vary in accordance to the speed of the engine the maximum fuel supply position obtainable by said control means.

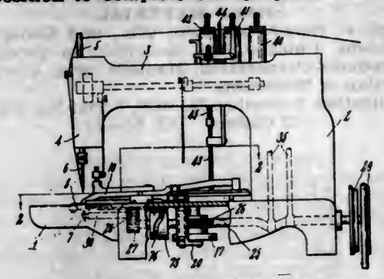
2,294,470
ROTARY CULTIVATOR
Glenn W. Lutz, Phillipsburg, Ohio
Application August 29, 1940, Serial No. 354,751
3 Claims. (Cl. 97—179)



1. In a cultivator wheel, a hub, cultivator elements carried on the hub, a wheel frame, means pivotally connecting the wheel frame with a cultivator, said means including pivot bolts, bearing sleeves on the pivot bolts, bearing plates, spacing sleeves, and means for connecting the bearing plates with the cultivator.

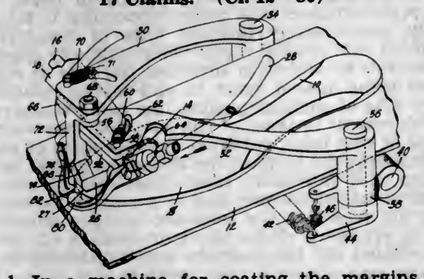
2,294,471
BUTTON SEWING MACHINE
Robert L. Lyons, Waltham, Mass., assignor, by mesne assignments, to Consolidated Corporation of Massachusetts, Cambridge, Mass., a corporation of Massachusetts
Application October 5, 1937, Serial No. 167,368
10 Claims. (Cl. 112—112)

1. The combination in a sewing machine having a work holder, sewing instrumentalities, means for driving said instrumentalities to place stitches in work held by said holder, and means for relatively moving said holder and instrumentalities during a continuous machine operation to place a definite number of stitches through one portion of the work in one set ending with a tying stitch and thereafter a definite number of stitches through another portion of the work in another set, of a thread finger, and connections from said moving means to said finger to cause parts including said finger to sever such stitching thread in position to complete the tying of the thread



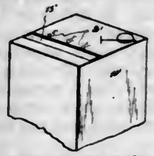
during the relative motion of said instrumentalities and holder between the placing of the stitches of the two sets.

2,294,472
SOLE MARGIN CEMENTER
Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 12, 1941, Serial No. 388,249
17 Claims. (Cl. 12—80)



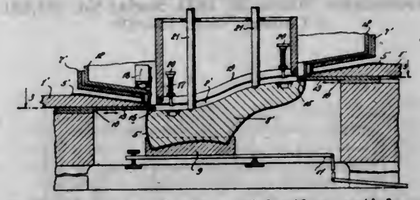
1. In a machine for coating the margins of shoe soles, a support for a sole, coating applying members, supports for said applying members movable toward and away from each other to permit the applying members to follow the contour of a sole moved between them, and a mounting for said movable supports constructed and arranged to permit heightwise movement of the applying members with respect to said sole support.

2,294,473
WINDOW CONTAINER
Everett R. Makeley, Elmira, N. Y.
Application March 13, 1940, Serial No. 323,797
1 Claim. (Cl. 229—4.5)



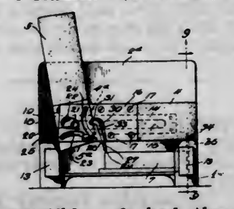
A paper container or the like of the type which is adapted to be tilted for dispensing the contents thereof, said container having a substantially flat upper end provided with a dispensing opening disposed adjacent an edge thereof, an elongated window formed in the upper end, said window having graduation markings associated therewith, and said container being adapted to be tilted, for dispensing the contents thereof, so as to position said upper end in substantially a vertical plane and the dispensing opening near the bottom thereof, and said window being disposed substantially in a vertical plane, when the dispensing opening is thus disposed, for indicating the quantity of the contents of the container when the pouring operation is begun so that a measured quantity of the contents can be dispensed.

2,294,474
MANUFACTURE OF LEATHER ARTICLES
Guilherme Siegfried Marx, New York, N. Y.
Application October 10, 1940, Serial No. 360,631
In Brazil October 12, 1939
4 Claims. (Cl. 69—21)



2. In the manufacture of leather articles the improvement which comprises producing several sections which, when joined together, produce a single article, by slidably holding in a predetermined position by suitable holding means applied circumferentially of the desired cross-sectional shape of each of the sections of the article, pieces of leather which have been subjected to a chrome tanning treatment and which have not undergone substantial drying following the chrome tanning treatment, molding portions of the said leather pieces within said holding means to a desired shape by applying pressure thereto by means of an appropriate form, and thereafter drying the thus molded sections while being maintained in the said desired shapes.

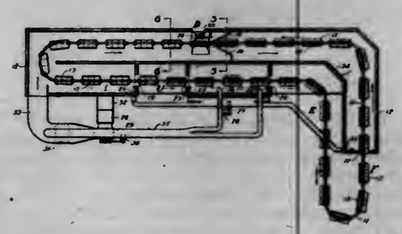
2,294,475
CONVERTIBLE SOFA BED
William N. McAllister, Portsmouth, Va., assignor of twenty-five per cent to Abraham J. Legum, Norfolk, Va., and twenty-five per cent to Hyman B. Lasting, Portsmouth, Va.
Application April 14, 1939, Serial No. 267,852
6 Claims. (Cl. 5—47)



1. In a convertible sofa bed, the combination of a frame, complementary track sections at opposite ends of said frame, a seat member and a back member pivotally connected together for relative movement, a single trunnion at each end of said back member projecting through adjacent portions of said seat member and engaging said track sections to provide for unitary movement of said seat and back members relative to said frame, one of said members having a pair of pin members at each end thereof cooperating with a pair of arcuate slots in the opposite ends of the other of said members, said slots being disposed at substantially right angles to each other, to insure endwise movement between said

members so as to provide clearance therebetween when said seat member is moved from an angular position to a horizontal position relative to said back member, and locking means carried by one of said members cooperating with the other of said members to normally maintain said back member in an angular position relative to said seat member.

2,294,476
APPARATUS FOR CERAMIC CASTING
William F. Mooney, Los Angeles, Calif., assignor to Pacific Clay Products Company, Los Angeles, Calif., a corporation of California
Application March 22, 1941, Serial No. 384,661
8 Claims. (Cl. 25—29)

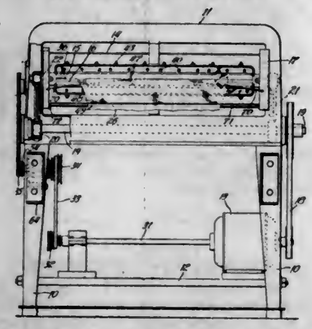


1. In an apparatus for making ceramic castings, the combination of a continuously moving conveyor for carrying absorbent molds, means for filling the molds with ceramic slip as they are conveyed past a filling position, means for removing excess slip after it has remained in the molds for a fixed period of time, and means for circulating drying air over and around the molds and their contained castings to effect simultaneous drying of molds and castings, said means for removing the excess slip comprising a tiltable rack for holding one or more molds to said conveyor, means for laterally tilting the rack when it reaches a selected position, guide means supporting said rack adapted to control the rate of tilting of the rack with its one or more molds as the conveyor advances, and means for supporting the rack with its one or more molds in overturned position while the molds and contents are drying.

2,294,477
OPTICAL APPARATUS
William Henry Moss, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 31, 1939, Serial No. 253,812. In Great Britain February 19, 1938
2 Claims. (Cl. 88—28.93)

1. Process for the production of fabric rear projection screens, which comprises swelling a jap fabric weighing 1.6 ounces per square yard, the warp and weft yarns of which are of substantially the same denier and of cellulose acetate, by treatment with a liquid containing a volatile organic swelling agent for the material, a plasticizer having a high affinity for the cellulose acetate and polyvinyl acetate followed by evaporation of the organic swelling agent leaving the plasticizer and the polyvinyl acetate in the fabric so as to effect a reduction of the interstices in the fabric.

2,294,478
METHOD AND APPARATUS FOR EXPANDING SHEET MATERIAL
Ralph F. Norris, Madison, Wis., and George H. Nelson, Chicago, Ill., assignors to Research Products Corporation, Madison, Wis., a corporation of Wisconsin
Application November 30, 1939, Serial No. 306,854
23 Claims. (Cl. 93—1)



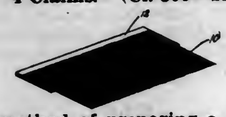
1. The method of making expanded paper which comprises advancing a strip of paper at a predetermined rate while supporting it laterally, progressively forming lines of transverse slits in said strip at regular longitudinally spaced intervals as said strip advances, the slits of each line being spaced apart in end-to-end relation, the slits of each succeeding line being staggered with respect to those of the last, each succeeding line of slits being cut from opposite sides of said strip, drawing forward the slitted portion of said strip at a rate more rapid than said predetermined rate of advance and at a substantial angle to the plane of the unslitted portion immediately rearward of the point of forming the slits to expand the slit-openings, and moistening said sheet and allowing said sheet to dry while in said expanded condition.

7. A machine for making expanded sheet material comprising means for advancing an elongated strip of said sheet material, means for adjusting the rate of advance of said strip, a strip-guiding member having a slot therein through which said strip may pass and be supported laterally, a pair of cutter blades adapted to reciprocate across said slot and in contact with the forward face of said guide member to cut lines of transverse slits into said strip, said blades being arranged in opposed relation and each comprising a row of spaced-apart teeth, the individual teeth of one blade being in staggered relation to those of the other, means for drawing said strip forwardly at an initial rate more rapid than the rate of advance to said slot and at a substantial angle to the plane of said strip as it passes to said slot, whereby said strip is expanded, a second strip drawing means located in advance of said first strip drawing means and adapted to draw said strip forwardly at a rate different from said initial rate of advance.

2,294,479
PROCESS FOR POLISHING COATINGS
Richard C. Peter, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 28, 1939, Serial No. 306,498
2 Claims. (Cl. 117—63)

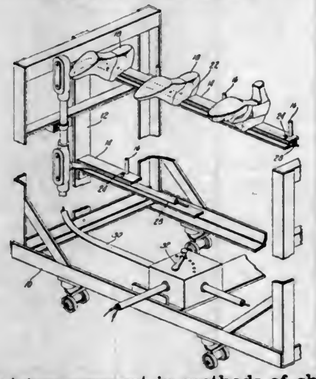
1. In the process of imparting a high luster to an article coated with a thin film of a cellulose derivative coating composition which is capable of re-solution, the improvement which comprises subjecting the said finished article momentarily to an atmosphere of hot concentrated vapors of a binary azeotropic mixture of a chlorinated hydrocarbon and methyl ethyl ketone.

2,294,480
MAKING BRUSH STRIPS
Charles R. Rohweder, Belmont, and Walter S. Rogers, Falmouth, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 5, 1941, Serial No. 377,536
4 Claims. (Cl. 300—21)



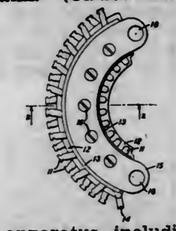
2. That method of preparing a strip of brush material which consists in distributing bristle-like elements in a thin layer with the elements in parallel relation and with the butt ends of such bristles overlapping a carrier strip of thermoplastic, resinous material, superposing another carrier strip of similar material, pressing said strips and the bristles together within a high-frequency electrostatic field thereby producing heat in the strips and welding them by the action of such a field.

2,294,481
METHOD AND APPARATUS FOR USE IN SHOEMAKING EMPLOYING HEAT
George F. Ryan, South Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 29, 1940, Serial No. 348,083
5 Claims. (Cl. 12—1)



1. That improvement in methods of shoemaking which consists in assembling upper and bottom parts of a shoe on and shaping them about a shoe last made of heat conducting material and having a socket adapted to receive a heated jack pin, performing a succession of different operations on the shoe on the last, placing the last on a heated jack pin between consecutive operations whereby the temperature of the last and shoe is maintained substantially constant throughout the interval during which the operations are performed, and moving the jack pin and last thereon from the site of one operation to that of the succeeding operation between said operations.

2,294,482
ELECTRICAL CONTACT AND TERMINAL BANK
Humphreys O. Siegmund, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 28, 1939, Serial No. 301,745
1 Claim. (Cl. 200—166)



In electrical apparatus including a pile-up of terminals and insulators subject to mechanical pressure and continuing electrical potential differences, the surface of said terminals being low resistance conducting material having a tendency under ordinary atmospheric conditions and the said electrical potential conditions to set up migratory conducting paths through insulators of most well-known materials, means for preventing establishment of such migratory conducting paths consisting of a metallic coating or sheath over the surfaces of said terminals where such surfaces come in physical contact with said insulators.

2,294,483
CONDUIT BRACKET AND METHOD OF MAKING SAME
William E. Smith, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application July 18, 1939, Serial No. 285,128
4 Claims. (Cl. 29—148

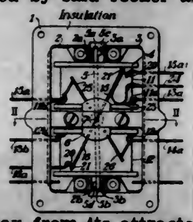


1. The method of connecting a member to a plate member consisting of forming a welding projection upon a portion of the plate while blanking the same and lancing said plate around said projection to define an opening and a tongue, bending said tongue to extend at an angle to the plate member with the welding projection extending inwardly toward the plate, projecting the other member through the opening in the plate member, bending the tongue into firm engagement with said other member and projection welding the projection of the tongue to the member extending through the plate member.

2,294,484
ELECTRICAL RELAY
Clarence S. Snavely, Churchill Borough, and David P. Fitzsimmons, Trafford, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 17, 1941, Serial No. 393,952
2 Claims. (Cl. 200—93)

1. A polar relay comprising an armature, a rocker supporting said armature intermediate its

ends, a pair of magnetizable yokes having confronting pole faces between which the opposite ends of the armature are disposed, means for limiting the movement of said armature within the air gaps between a normal position and an attracted position, the armature being separated from the adjacent pole faces by a larger air gap when it occupies its attracted position than when it occupies its normal position, an energizing winding associated with said armature, load springs carried by said rocker and biasing said armature away from its normal position, contact fingers carried by said rocker and biasing said



armature away from its attracted position, and a permanent magnet connecting said yokes and magnetized to exert a force on said armature according to a predetermined magnetic pull curve, said load springs and said contact fingers being adjusted to exert a force on said armature according to a load curve which has a lesser slope than said magnetic pull curve and which never crosses said magnetic pull curve, whereby said armature is caused to move from either extreme position to the other with a snap action and is caused to always return to its normal position when the relay is deenergized or is energized below a predetermined level.

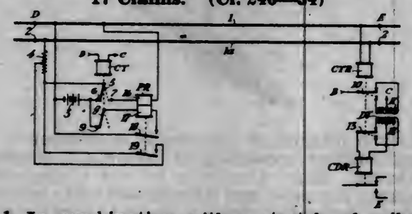
2,294,485

RAILWAY TRACK CIRCUIT APPARATUS

Andrew J. Sorensen, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application October 26, 1940, Serial No. 362,996

17 Claims. (Cl. 246—34)



1. In combination with a stretch of railway track supported on ballast and provided with a track circuit comprising a track relay connected to the rails of the track, a source of electrical energy, means for intermittently impressing said source across a portion at least of the track and ballast of said stretch, and means responsive to energy derived from said source and stored in said track and ballast for varying the energization of said track circuit.

2,294,486

MANIFOLDING STATIONERY

Milton C. Stern, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio

Original application April 12, 1940, Serial No. 329,339. Divided and this application December 6, 1940, Serial No. 368,901

9 Claims. (Cl. 282—11.5)

3. As an article of manufacture, a manifold carbon sheet having spaced perforated adhesive tabs adhesively attached along one edge of said carbon sheet, said carbon sheet being adapted to be secured by a portion of said tabs to a plurality of writing paper sheets and further adapted to be detached by severing said tabs along



their perforations, said carbon sheet being adapted for reuse by attaching along one edge thereof new perforated tabs and bringing the portions of said tabs not adhesively attached to said carbon into adhesive contact with a plurality of writing paper sheets.

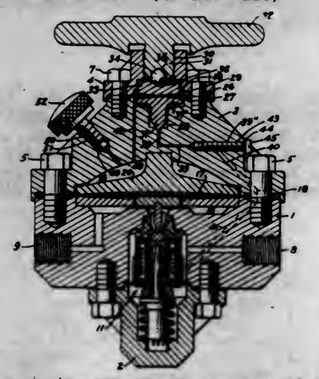
2,294,487

PRESSURE REGULATOR CONTROL VALVE

Ludwig W. Stettner, Piedmont, Calif., assignor to Victor Equipment Company, San Francisco, Calif., a corporation of Delaware

Original application April 28, 1939, Serial No. 270,561, now Patent No. 2,248,592, dated July 8, 1941. Divided and this application June 30, 1941, Serial No. 400,459

2 Claims. (Cl. 137—156)



1. In an automatic gas pressure regulator having a diaphragm controlled valve and a bonnet on the regulator covering said diaphragm and forming with the outer side of the diaphragm a closed chamber forming a controlling gas pressure space, a cap removably secured to the outer end of said bonnet and provided with a central passageway, a hand screw threaded in said passageway, confronting recesses in the adjacent surfaces of said bonnet and said cap respectively of a diameter larger than said passageway, the recess in the bonnet provided with a smaller diameter recess extending from its bottom further into said bonnet and formed at its lower end with a needle valve seat, and a small gas passage extending within the body of the bonnet from an exterior point to the inner end of said needle valve seat, a gas passage extending from the bonnet recess direct to said gas pressure space, a flexible diaphragm separating said confronting recesses clamped between the bonnet and said cap, a needle valve having a shank slidably positioned in the smaller extension of the bonnet recess controlling said seat and provided with an enlarged head in contact with said diaphragm slidably positioned in the large portion of the recess and

substantially the diameter thereof, and a block slidably positioned in the recess of the cap and substantially the diameter thereof and in contact at one side with the opposite side of said diaphragm and at the other side exposed to pressure of said hand screw, the depth of said recesses being such as to positively limit the movement of said diaphragm to slight flexing in opening and closing said needle valve, and said head and block substantially entirely covering the exposed area of the diaphragm at both sides and slightly arched on their surfaces to give the diaphragm substantially continuous support when flexed.

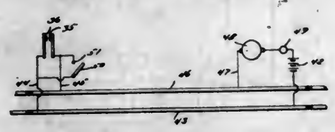
2,294,488

SAFETY MEANS FOR RAILROAD SWITCH STANDS

Clarence Stubblefield, Corsicana, Tex.

Application April 21, 1941, Serial No. 389,659

3 Claims. (Cl. 246—220)



1. In a switch stand for operating a railroad switch and closing a remote signal circuit, a peripherally notched disc-like table, a segmental box operatively connected to the switch and rotatable on said table about the center thereof into different set positions to open and close the switch, a switch lever on said box for rotating the same and swingable thereon into and out of said notches to establish the set positions of the box, manipulative means in said box normally blocking the swinging of said lever out of either notch and including an operating shank extending out of the box, a lock in said box for retaining said means in normal blocking position and key operated to unlock the same, a pair of normally open contacts adapted to close said circuit and operative to closing position under unlocking of said lock, and a pair of contacts on said table and box, respectively, open in one set position of the box and adapted to be engaged to close said circuit under rotation of said box to another set position to thereby maintain said circuit closed when the lock is locked and the first-mentioned pair of contacts thereby opened.

2,294,489

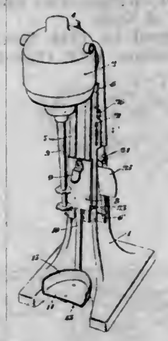
LIQUID MIXING APPARATUS

Clifford B. Terry, Flushing, N. Y., assignor to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware

Application May 15, 1941, Serial No. 393,501

5 Claims. (Cl. 259—108)

1. In a liquid mixing apparatus having a standard, a motor, a downwardly extending mixing arm rotatable by said motor and a switch for actuating said motor, the combination of a vertically movable carriage mounted on said standard for movement relative thereto and providing a bottom support having a back and a seat constructed and arranged to provide a lateral and vertical support for a receptacle bottom and said carriage also providing a hook for removable engagement with the top of said receptacle, an abutment portion carried on said carriage and constructed and arranged to move into actuating engagement with said switch upon the upward movement of said carriage, mechanism apart from said abutment for locking said carriage in upward position and provided with a release positioned adjacent said receptacle position



for engagement by the hand of the operator used in removing the receptacle.

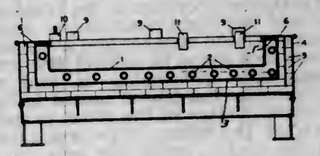
2,294,490

POT FOR HOT GALVANIZING AND THE LIKE

Oscar C. Trautman, Parma, Ohio

Application August 23, 1941, Serial No. 408,042

4 Claims. (Cl. 219—44)



1. Apparatus for hot galvanizing and the like, comprising an outer pot of welded pressed steel sheets; an inner open-mouthed pot of similar structure positioned within said outer pot in spaced relation therewith and adapted to contain molten metal to be deposited upon material drawn therethrough; means joining the upper edges of said pots whereby a vessel is formed with double walls defining therebetween an air-tight space; an opening, in said means joining the edges of said pots, adapted for the introduction of lead into the space between the walls of said pots; and means operative to effect a closure of said opening.

2,294,491

MALLEABLE IRON CASTING

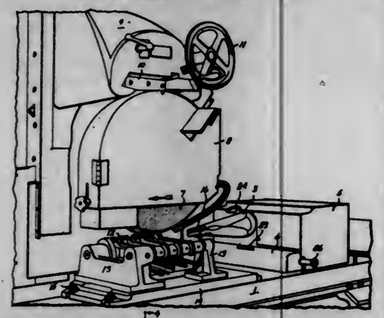
Clarence P. Walker, Union City, N. J., assignor to The Eastern Malleable Iron Company, Naugatuck, Conn., a corporation of Connecticut

No Drawing. Application March 16, 1940, Serial No. 324,324

16 Claims. (Cl. 148—31)

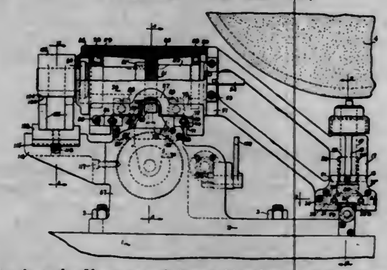
5. A malleable iron casting having particles of abrasive of a high temperature of fusion embedded in the surface thereof, said casting having been made by casting the metal around the abrasive particles and then annealing the casting.

2,294,492
DRESSER ATTACHMENT FOR GRINDING MACHINES
John C. Wilson, Springfield, Ohio, assignor to The Thompson Grinder Co., Springfield, Ohio, a corporation of Ohio
Application August 28, 1940, Serial No. 354,555
21 Claims. (Cl. 125—11)



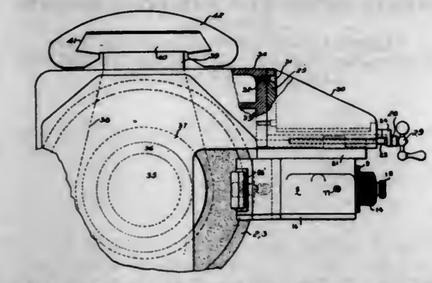
1. A grinding machine attachment for dressing a grinding wheel having a straight peripheral portion and two rounded edge portions, means for moving a dressing tool from one side of the wheel over one of the rounded edges, then along the straight portion, then around the other rounded edge, said means including a cylindrical member which carries the dressing tool, means for sequentially rotating said member and for moving the member in a translatory direction parallel to the axis of the cylinder to correspond with the directions of the rounded edge and straight peripheral portions of the grinding wheel surface, said last-mentioned means including a shoe secured to said member and a template over which the shoe rides to control the rotational and translatory movements of said member whereby the dressing tool is caused to dress the entire cutting surface of the wheel including the rounded edges and means for reversing the movement of the tool to cause the latter to retrace its path back to its initial position whereby the entire abrading surface of the wheel is dressed twice.

2,294,493
APPARATUS FOR WHEEL DRESSING
John C. Wilson, Springfield, Ohio, assignor to The Thompson Grinder Co., Springfield, Ohio, a corporation of Ohio
Application August 28, 1940, Serial No. 354,556
17 Claims. (Cl. 125—11)



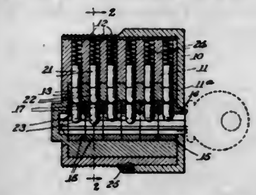
1. A grinding machine attachment for causing a dressing tool to be moved over a grinding wheel which has an irregular periphery terminating in a rounded edge, said attachment comprising a cam and a follower to which the dressing tool is attached, said cam having a configuration which corresponds to that of the wheel periphery, means for drawing said follower across the cam in order to cause the dressing tool to dress the periphery of the wheel, and means for moving said cam and follower over a path corresponding to the rounded edge of the wheel to continue the dressing function of said tool.

2,294,494
GRINDING WHEEL DRESSER
John C. Wilson, Springfield, Ohio, assignor to The Thompson Grinder Co., Springfield, Ohio, a corporation of Ohio
Application August 28, 1940, Serial No. 354,557
7 Claims. (Cl. 125—11)



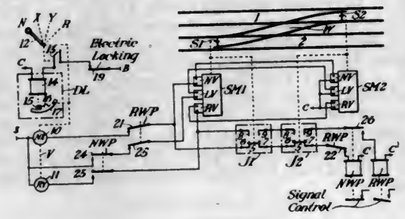
6. A dresser attachment for a grinding wheel which has a pair of inclined abrading surfaces, said attachment comprising a pair of supports positioned parallel to said inclined surfaces, blocks slidably mounted on said supports and carrying dresser tools, means including a motor for sliding said blocks simultaneously on said supports in order simultaneously to dress the abrading surfaces of the grinding wheel, and means automatically operable when the abrading surfaces of the wheel have been dressed in one direction for reversing the motor in order that the abrading surfaces may be dressed in the opposite direction.

2,294,495
LOCK
Carroll Woodruff, Joliet, Ill., assignor of one-tenth to Ernest Radtke and Adele Radtke, five per cent to Frank Kraemer, five per cent to R. R. Waugh, five per cent to Dwight Gordon, and thirty-three and one-third per cent to Dring Harper, Chicago, Ill.
Application August 28, 1940, Serial No. 354,607
4 Claims. (Cl. 70—364)



1. In a lock, a stationary cylinder, a locking cylinder rotatably held therein, a keyway cylinder formed of discs rotatably held in the locking cylinder, three sectioned pins extending from the stationary cylinder into the keyway and of such a length that, when a key is inserted, they will break between their upper and middle sections and permit rotation of the locking cylinder, the lower ends of the middle sections of the pins being rounded and the upper ends of the lower sections flat so that, when the discs are turned slightly with respect to the locking cylinder the flat ends abut the cylinder and prevent manipulation of the other pin sections, and a play pin between each disc and the locking cylinder to permit limited movement within the locking cylinder.

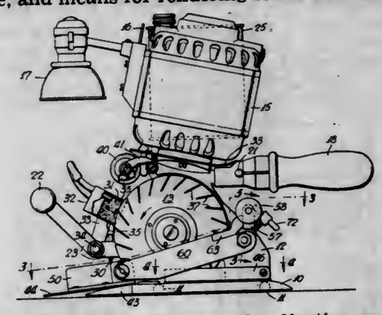
2,294,496
RAILWAY TRAFFIC CONTROLLING APPARATUS
Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 24, 1941, Serial No. 412,126
5 Claims. (Cl. 246—219)



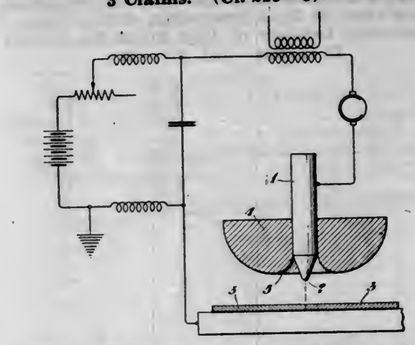
1. In a switch control system of the class wherein a railway track switch is operated to a normal or to a reverse position in agreement with the normal or reverse position of a control lever through the medium of a power-operated switch mechanism operatively connected with the switch and having a normal, a reverse, and a lock valve magnet and effective when the lock valve magnet is energized to cause the switch to operate to its normal or its reverse position according as the normal or reverse valve magnet is energized, the combination with the foregoing apparatus of a normal switch position repeater relay and a reverse switch position repeater relay, a circuit for said normal valve magnet including in series a normal position contact of the lever and a back contact of said reverse position switch repeater relay, a circuit for said reverse valve magnet including in series a reverse position contact of the lever and a back contact of said normal position switch repeater relay, a circuit for said lock valve magnet including in series back contacts of said normal and reverse position switch repeater relays, a circuit for energizing said normal position switch repeater relay in multiple with said normal valve magnet and including a contact operated by said switch mechanism and closed when and only when said switch occupies its normal position, and a circuit for energizing said reverse position switch repeater relay in multiple with said reverse valve magnet and including a contact operated by said switch and closed when and only when said switch occupies its reverse position.

2,294,497
PORTABLE CUTTING MACHINE
Martin Zawistowski, Huntington, N. Y.
Application June 19, 1942, Serial No. 447,612
17 Claims. (Cl. 30—273)

1. A portable machine for cutting strips of comparatively thick sheet material such as rubber comprising a knife, a gauge movable with respect to the cutting plane of said knife for predetermining the width of the sections or strips cut, screw means for effecting fine adjustments in the position of said gauge with respect to said plane, and means for rendering said screw means inoperative to permit manual adjusting movement of said gauge.



2,294,498
WELDING
Kalman Heindlhofer, East Orange, N. J., assignor to United States Steel Corporation of Delaware, a corporation of Delaware
Application December 4, 1940, Serial No. 368,533
3 Claims. (Cl. 219—8)



2. The combination of an arc welding electrode, means for applying sufficient electrical potential of opposite polarity to said electrode and the work to be welded to create a pilot spark therebetween without their first intercontacting, means for creating an electrostatic field surrounding the intended path of said spark of the same polarity as said electrode and having sufficient potential to confine said spark to said path to an appreciable degree, and means for providing said electrode and work with arc welding current prior to termination of said spark to create a welding arc therebetween which follows the path of said spark.

2,294,499
BULL PLUG FITTING
Victor M. Henkell, James H. Howard, and Morey M. Zorgdrager, Houston, Tex., assignors to McEvoy Company, Houston, Tex., a corporation of Texas
Application August 26, 1940, Serial No. 354,228
1 Claim. (Cl. 138—44)

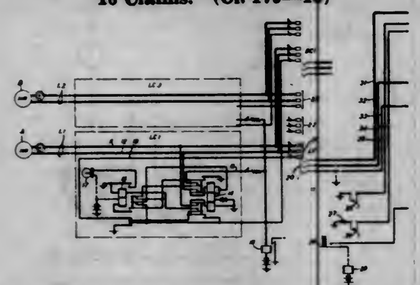
The combination with a choke fitting having a choke bean screwed into one arm thereof and a winged bull plug screwed into the opposite arm thereof, said choke bean having its end adjacent said opposite arm formed with a socket adapted to receive a wrench for inserting and

removing said bean, and the wing on said bull plug having an opening adapted to receive the



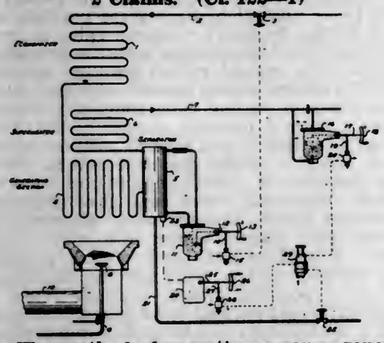
same wrench for inserting and removing said bull plug.

2,294,500
TELEPHONE SYSTEM
Henry Hoviand, Williston Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 16, 1940, Serial No. 361,365
16 Claims. (Cl. 179—18)



1. In a telephone system comprising a main office, a branch office, subscribers' lines and stations in said offices, means at each of said stations for sending trains of directive impulses over the associated line to control the establishing of desired connections, trunks between said offices, a selector repeater in said branch office, local trunks through which connections with called lines in the branch office may be established, and means connecting a calling line in said branch office to said selector repeater, said selector repeater comprising a group selector having a set of brushes and bank of terminals divided into levels, said local trunks being connected to the terminals of said group selector, said selector repeater further comprising a non-numerical trunk-hunting switch the terminals of which are connected to said trunks to the main office, said trunk-hunting switch operable upon connection of a calling line to said selector repeater to hunt for and select an idle one of the trunks to the main office, means for receiving from the calling line trains of directive impulses corresponding to the office code and numercial digits of the directory listed number of a called subscriber, means for repeating over the selected one of said trunks to the main office the trains of impulses corresponding to all digits of the called subscriber's directory listed number on calls to lines in the main office and for repeating over the selected one of said trunks to the main office only the trains of impulses corresponding to digits of the branch office code on calls to branch office subscribers, means for releasing the trunk to the main office at the end of the train of impulses corresponding to a digit which indicates that the called line is in the branch office, means for advancing and restoring the brushes of said group selector responsive to each train of impulses corresponding to digits of the branch office code other than the last digit of the branch office code, means for advancing the brushes of said group selector to select a set of terminals connected to an idle local trunk in the level corresponding to the last digit of the branch office code if said last digit is one of certain numerical values, means for again restoring the brushes of said group selector to normal at the end of the train of impulses corresponding to the last digit of the branch office code if said last digit is not one of said numerical values, and means for advancing the brushes of said group selector to select a set of terminals connected to an idle local trunk in the level of the bank corresponding to the first train of impulses received after the train corresponding to the last digit of the branch office code if said last digit of the branch office code is not one of said certain numerical values.

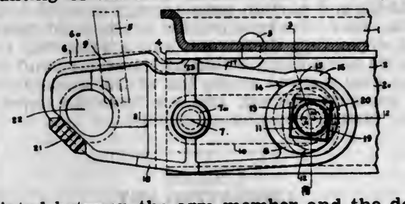
2,294,501
METHOD FOR OPERATING VAPOR GENERATORS
Raymond D. Junkins, Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original application July 10, 1936, Serial No. 89,916. Divided and this application June 20, 1939, Serial No. 280,136
2 Claims. (Cl. 122—1)



1. The method of operating a vapor generator which includes supplying liquid to the vapor generator at a rate continuously in excess of the rate of vapor generated, continuously diverting the excess liquid from the vapor generator adjacent the division zone between liquid and vapor, maintaining the division zone at a predetermined location through regulation of liquid inflow, determining the concentration of the liquid adjacent the division zone, measuring vapor outflow, and regulating the diversion conjointly from the determination of concentration and the measure of vapor outflow.

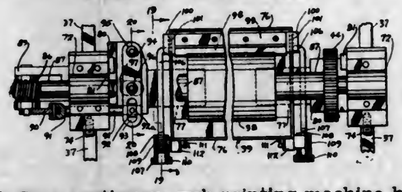
2,294,502
CAR CONSTRUCTION
Byers Washington Kadel, Baltimore, Md.
Application November 26, 1940, Serial No. 367,913
24 Claims. (Cl. 105—280)

1. An adjustable supporting arm for load-supporting car doors comprising an arm member pivotally mounted upon the door and arranged with one end thereof overreaching a side of the door, said end being adapted for engagement by door-supporting means movably mounted upon the car body, movable adjusting means spaced longitudinally of the arm member from the pivot mounting of the arm member and operably as-



sociated between the arm member and the door whereby the angular relationship of said arm member and the door in door-supporting direction may be altered to insure a tight fit of the door, and means for rigidly securing the movable adjusting means to the arm member and the door to hold the arm member in fixed angular relationship to the door after said angular relationship has been altered.

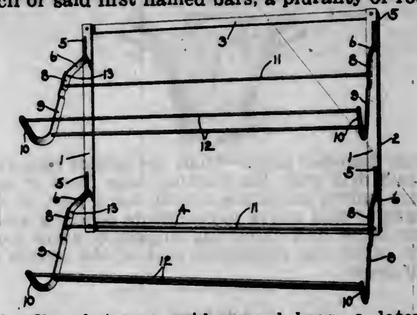
2,294,503
PRINTING MACHINE
Eugene H. Klingelfuss, Brooklyn, N. Y., assignor to Klingrose Machine Corporation, Brooklyn, N. Y., a corporation of New York
Application October 10, 1941, Serial No. 414,396
9 Claims. (Cl. 101—350)



1. In a continuous web printing machine having a counter pressure drum mounted on a frame of said machine and cooperative with a cylindrical form which is mounted on a casing, brackets mounted on said casing, means for adjusting said brackets on said casing, a furnishing roller mounted on said brackets and having a shaft, means for driving said shaft, a worm on said shaft, a cooperative worm meshing with said worm and mounted on said bracket, a link eccentrically mounted on said cooperative worm, an ink pan for said furnishing roller, means for releasably supporting said ink pan, means for oscillating said ink pan controlled by the movement of said link, and a doctor blade mounted on said ink pan for said furnishing roller.

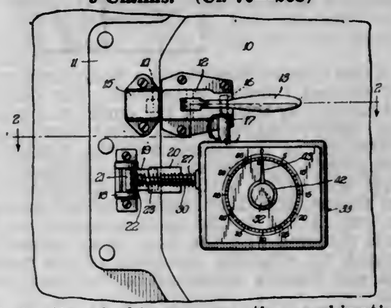
2,294,504
SHOE RACK
Joseph J. Knape, Grand Rapids, Mich., assignor to Knape & Vogt Manufacturing Company, Grand Rapids, Mich., a corporation of Michigan
Application August 22, 1940, Serial No. 353,699
3 Claims. (Cl. 211—38)

1. A rack of the class described adapted to be folded to occupy less space for packing purposes comprising, a supporting frame having spaced apart parallel vertical end members of angular form, a vertical slot in one of the flanges of each end member, a bar having a downwardly extending forward and an upwardly extending rear end received in each of said slots and pivotally secured to the other of the flanges of each angular end member, a second bar having an upwardly curved forward end and an upwardly extending rear end pivotally secured to the forward end of each of said first named bars, a plurality of rods



extending between said second bars, a lateral protuberence on each of the first named bars above the lower end thereof, and an opening in the upper end of each of the second bars to receive said protuberance and hold the rack in operative position, but releasable therefrom to permit folding the second bars and connecting rods toward said frame.

2,294,505
TIME CONTROLLED CLOSURE LATCH
Harald L. Lindblad, Chicago, Ill., assignor to Mercury Cleaning Systems Incorporated, Chicago, Ill., a corporation of Illinois
Application July 23, 1941, Serial No. 403,712
9 Claims. (Cl. 70—268)



1. In time locking means, the combination of a door having a manually movable latch, a bolt for holding the latch in locked position, timing means including a timing shaft, a plunger positioned to rotate said time shaft and operated by the closing of the door, means operated by the rotation of said time shaft for advancing said bolt to locking position, interlocking means between said plunger and said time shaft for holding said time shaft against return movement, and means for disengaging said interlock upon further manual movement of the time shaft to a time setting greater than is effected by the movement of the plunger.

2,294,506
DRILL PIPE PROTECTOR AND TOOL THEREFOR
Emmet S. Long, Los Angeles, Calif.
Application July 5, 1940, Serial No. 344,005
6 Claims. (Cl. 29—88.2)

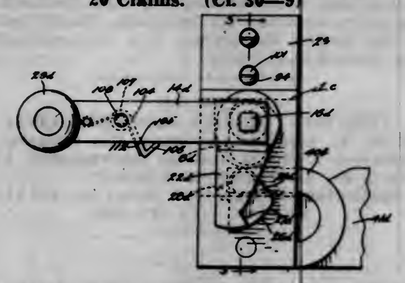
1. In a sleeve construction for insertion into

a hollow cylindrical rubber drill pipe protector having an inside diameter normally less than the outside diameter of said drill pipe to hold said protector in an expanded condition, a pair of complementary semi-cylindrical sleeve halves to be disposed in abutting relation to each other to form a complete cylindrical sleeve having an



inside diameter greater than the outside diameter of said drill pipe, the meeting edge faces of said sleeve halves extending axially for a part of the length of said sleeve to constitute coacting abutment faces and extending angularly away from each other the remaining part of the length of said sleeve.

2,294,507
ROTARY TYPE CAN OPENER
Robert E. McLean, Fort Francis E. Warren, Wyo.
Application April 14, 1942, Serial No. 438,947
20 Claims. (Cl. 30—9)



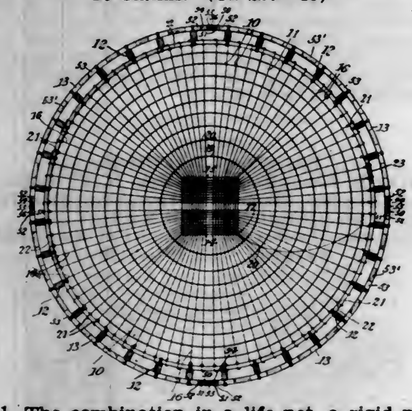
1. A can opener, comprising a body member, a cutter carried thereby, a rotatable can driving wheel carried by the body, the cutter and wheel having relative movement to effect penetration of a can top by the cutter, a thrust means for effecting such relative movement, a crank for turning the wheel, a lever for actuating the thrust means, and mechanism pivotally mounted on and carried by the crank adapted for releasable coupling with the lever upon turning of the crank for effecting actuation of the thrust means and relative movement of the wheel and cutter.

2,294,508
NECKTIE WITH "ZIPPER"
Marcus L. Minor, Atlanta, Ga.
Application January 30, 1941, Serial No. 376,685
2 Claims. (Cl. 2—150)



1. Necktie comprising a knot portion of fabric formed as the frustum of a hollow inverted cone with a longitudinal cleft at the back extending from the lower end upward to a point near but short of the upper end, the upper part of said knot portion forming a permanently closed annulus and the cleft extending downwardly from said permanently closed part to and through the lower edge of the knot portion, a relatively wide tie end portion permanently secured to the lower end of the knot portion at the front thereof and depending therefrom, and a relatively narrow tie end portion including the collar band permanently secured to the top of the knot portion at one side thereof, and an upwardly opening slide fastener closing said cleft.

2,294,509
LIFESAVING NET
William Moeller, Jersey City, N. J.
Application August 22, 1940, Serial No. 353,591
10 Claims. (Cl. 227—46)



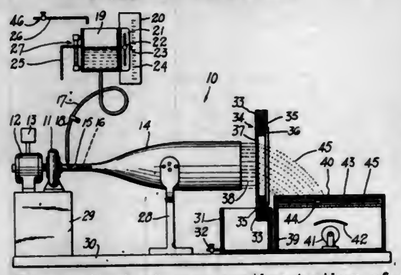
1. The combination in a life net, a rigid metallic frame, a border rope extending around and inward of the frame and spaced at a constant distance therefrom, main shock absorbers connected to said metal frame and to said rope and auxiliary shock absorbers operable within each main shock absorber and having connections with the metal frame at one end and with the border rope at the other end to absorb all peripheral shocks subjected to said net within the said frame.

2,294,510
HINGED RATCHET WRENCH
Rikio Nakano, Honolulu, Territory of Hawaii
Application May 29, 1940, Serial No. 337,817
1 Claim. (Cl. 81—63)



A device of the character described comprising a member having a bottom wall and an annular upstanding wall, said bottom wall being formed with a central opening and an opening offset from the axis of said bottom wall, said member being open at its upper end, a second member to close the upper end of the first member, comprising a top wall contacting the upper edge of the upstanding wall, and a boss extending upwardly from said top wall and formed with a horizontal through opening, the underside of said top wall being formed with an axial socket, and said top wall being formed with an opening offset from the axis thereof and aligned with the offset opening in said bottom wall, means for attaching said top wall to said bottom wall, whereby said members form a casing, a third member having a ratchet portion disposed within the casing, and a stem portion projecting through the central opening in the bottom wall, a portion rotatably mounted within the axial opening on the underside of said top wall, a pawl within said casing having axle portions rotatably received within the offset openings of said top and bottom walls, said pawl having wings adapted to selectively engage the teeth of said ratchet, said upstanding wall being formed on the inner surface thereof with a recess, a spring pressed plunger within said recess adapted to engage said pawl, to retain either one or the other of the wings thereof in engagement with the teeth of said ratchet portion, said pawl having a portion projecting above said top wall and formed with a kerf.

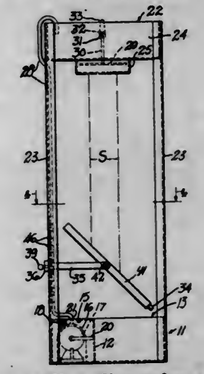
2,294,511
METHOD FOR INDICATING THE WATER REPELLENT QUALITIES OF MATERIALS UNDER VELOCITY CONDITIONS
Jerome Neiman, Woodcliff Lake, N. J.
Application December 6, 1940, Serial No. 368,760
4 Claims. (Cl. 73—51)



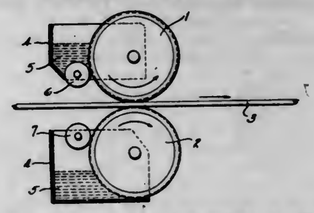
1. The method of comparative testing of the water repellent quality of porous, thin sheet-like materials, including disposing different sheet materials along like upright planes and so that the opposite faces thereof are relatively free and unobstructed, providing a liquid spray including a stream of air for relatively uniformly carrying the liquid particles of substantially constant volumes and at a substantially constant predetermined velocity such that the liquid spray simulates wind and rain weather conditions, projecting said liquid spray on like faces of the different sheet materials so that quantities of the liquid spray passes through the sheet materials according to the water repellent qualities thereof, and measuring and comparing the energy of these liquid particles that have passed through the different sheet-like materials to thus obtain an indication of their relative water repellent qualities.

2,294,512
APPARATUS FOR DETERMINING WATERPROOF AND WATER REPELLENT QUALITIES OF FABRICS
Jerome Neiman, Woodcliff Lake, N. J.
Application August 2, 1941, Serial No. 405,146
5 Claims. (Cl. 73—51)

1. An apparatus of the character described, comprising a base consisting of a casing having a partition dividing the casing into two compartments, one of the latter being a water tank fully open at the top, a motor and pump unit, at least the motor being located in the other compartment which is closed at the top, the pump part communicating with said tank, a support comprising standards connected to said base, a combined reservoir and spray head mounted on the support at an elevation above the base, a pipe communicating the pump outlet with the reservoir, the spray head forming a bottom extension of the reservoir, the spray head having a perforated bottom wall, a disc valve adapted to seat on the bottom wall to close said perforations, a frame adapted to hold a piece of fabric that is to be tested, and means for mounting said frame along a downwardly inclined plane and in such relation that the fabric on the frame will directly receive the spray from the spray head and discharge the water into the tank through the open top of the latter, said support being skeletonized to permit observation of the underside of the inclined piece of fabric while the spray impinges thereon.



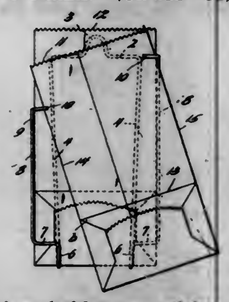
2,294,513
GLUE APPLYING ROLLER
Elmer O. Pearson, Seattle, Wash., assignor to Frank Fluckinger, Seattle, Wash.
Application June 15, 1940, Serial No. 340,711
2 Claims. (Cl. 91—49)



1. In a glue applying machine, a glue container, a rotatably mounted glue transfer roller supported with a surface thereof in contact with glue in the container, and a glue wiping member operable in contact with the glue transfer roller for the removal of excess glue and to leave a film on the roller of pre-determined thickness, said transfer roller having a surface pattern formed by grooving in the roller, said grooving comprising two series of spaced, parallel, square-cut and relatively narrow channels, one series of channels extending spirally of the roller in a right hand turn, and the other series of channels extending spirally of the roller in a left hand turn with the channels of the two steps cross-

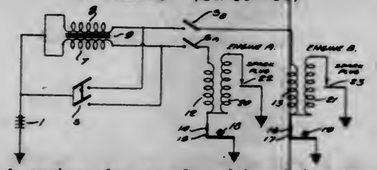
ing each other in a manner to define diamond-shaped surfaces of substantial area that extend in rows lengthwise of and encircling the roller.

2,294,514
PAPER BAG HOLDER
James Edward Sapp and Mildred Sapp, Bainbridge, Ga.
Application September 18, 1941, Serial No. 411,398
3 Claims. (Cl. 211—51)



1. Paper bag holder comprising a frame including a cradle portion for supporting the base of a stack of bags, and a back portion, and resilient arms upstanding from the cradle portion, spaced apart a distance wider than the width of the stack of bags, having inwardly directed ends lapping the front of the stack a short distance inward from the opposite lateral edges, said arms being resiliently biased toward said back portion for gripping the stack of bags, and being of unequal length whereby the inwardly directed ends determine the apices of acute angles of different width, between the respective edges of the foremost bag and the plane of the next underlying bag when the bottom of the foremost bag is pulled out in the act of removal, resulting in a twist of the foremost bag so that its top edge assumes an angular relation to the top edge of the underlying bag.

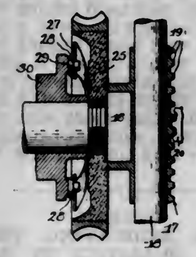
2,294,515
SYNCHRONIZING SYSTEM FOR INTERNAL COMBUSTION ENGINES
Alexander Senauke and Jacob A. Boltson, New York, N. Y.
Application April 15, 1941, Serial No. 388,640
17 Claims. (Cl. 60—97)



1. A system for synchronizing internal combustion engines having electrical ignition, comprising, in combination, an inductance in the primary ignition circuit of each engine, each of said inductances having a value sufficient to impair the ignition of its engine, said inductances being coupled together in such a manner as to substantially reduce the effective inductance of each other when said engines are running in synchronism.

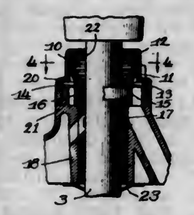
12. A system for synchronizing a plurality of internal combustion engines having electrical ignition, comprising, in combination, a plurality of engines, each having an interrupter in series with an ignition coil, of means for connecting said interrupters in parallel with each other, whereby neither engine may be fired until both interrupters have opened.

2,294,516
SILENCER BRAKE FOR WASHING MACHINE DRIVES
Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application July 29, 1940, Serial No. 348,275
2 Claims. (Cl. 74—78)



1. In a drive mechanism for oscillating a driven shaft and including a continuously rotating member and a rack associated with said driven shaft and eccentrically connected to said member for transforming the continuous rotation of said member into a reciprocating motion, the combination of a housing for said drive mechanism and a silencer brake comprising a U-shaped leaf spring mounted on and rotatable with said member, and friction shoes carried by the ends of said spring and bearing against an end wall of the housing for resisting rotation of said member and preventing it from over-running.

2,294,517
AGITATOR SEALING MEANS
Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application July 29, 1940, Serial No. 348,277
2 Claims. (Cl. 286—11)



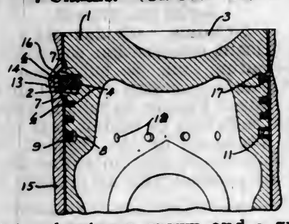
1. The combination with an oscillating shaft of a washing machine, a sealing mechanism comprising a sealing element having an inturned flange at each end thereof, an expansible spring within said sealing element and bearing against said flanges, a collar secured upon and rotatable with said shaft, a fabric face on the flange adjacent said collar and having a wiping contact therewith, and an adjustably mounted retainer for enclosing and having contact with the upper and side walls of said sealing element and including a shoulder seating upon one of said flanges and cooperating with the spring for applying pressure to the opposite ends of the sealing element and maintaining the fabric face of the other flange in sealing and wiping contact with the collar on said shaft.

2,294,518
LAMINATED FABRIC
Meyer Sperber, Philadelphia, Pa.
Original application June 1, 1937, Serial No. 145,915. Divided and this application March 28, 1940, Serial No. 326,319
8 Claims. (Cl. 139—413)



3. A double ply fabric having fusible yarns exposed on the outer side of one of the plies, adapting said fabric to be fusibly united to another fabric through the instrumentality of said fusible yarns, and fusible yarns on the inner side of said one ply between said plies, adapting said plies to be fused together, said plies being initially united solely by interweaving whereby the fusing capacity of the fusible yarns is perpetuated until such time as said fabric shall be applied to another fabric and subjected to a process of fusion.

2,294,519
PISTON STRUCTURE
Oscar L. Starr, Mission San Jose, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application August 9, 1941, Serial No. 406,140
7 Claims. (Cl. 309—14)



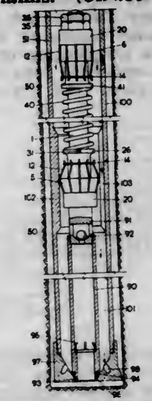
2. A piston having a crown and a groove side adjacent said crown against which a piston ring is adapted to be seated, said side being designed with a predetermined inclination when the piston is cold calculated to render the peripheral face of said ring to be parallel to the axis of said piston when a side of said ring seats flush against said groove side and the position of said groove side changes as a result of piston distortion under engine operating temperatures.

2,294,520
ADHESIVE APPLYING MECHANISM FOR PAPER FABRICATING MACHINES
Edwin G. Staude, Minneapolis, Minn.
Application May 23, 1940, Serial No. 336,833
8 Claims. (Cl. 91—50)

1. A paper fabricating machine having means for conveying a series of paper blanks into contact with a rotating adhesive applying cylinder, a driven rotating impression roll arranged to press said blanks against said cylinder, a reservoir adapted to hold an adhesive solvent means for supplying a continuous film of adhesive solvent to the surface of said impression roll, a reciprocating wiping means in contact with the moistened surface of said impression roll and adapted to remove said film of liquid or offset adhesive from said impression roll, said reciprocating wiping means being positioned beyond the line of contact of said impression roll and said supplying means in direction of travel of said impression roll whereby said impression roll will revolve towards said reciprocating wiping means.



2,294,521
REMOVABLE PLUG FOR DRILLING STRINGS
Horace Vivian Steadman and Ellis E. Davis, Tulsa, Okla., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 24, 1941, Serial No. 399,476
11 Claims. (Cl. 255—72)

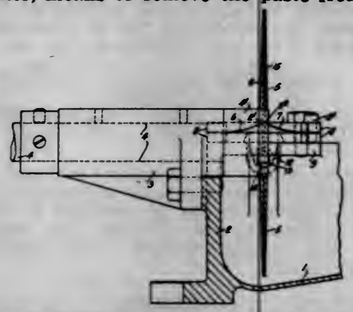


10. For use in coring operations in combination with a drill string having a core bit and an internal axially segmented restriction above said bit, a coring tool comprising a core barrel adapted to seat within said bit, a mandrel, valved means for rigidly affixing said mandrel above said barrel coaxially therewith, and means for seating said barrel within said bit and for removing it therefrom by fluid circulation, said means comprising an upwardly flaring hydraulic cup coaxially carried by said mandrel and adapted to register with said segmented restriction in the drill string when the core barrel is seated within the bit, a downwardly flaring hydraulic cup coaxially carried by said mandrel above said first cup, one of said cups being fixedly attached to the mandrel and the other adapted for limited axial motion thereon, and resilient spacer means for normally maintaining said cups at a predetermined distance from each other.

2,294,522
PASTING MECHANISM
George Turrall, London, England, assignor to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York
Application October 30, 1940, Serial No. 363,410
In Great Britain October 30, 1939
14 Claims. (Cl. 91—51)

11. A pasting device including in combination

a paste container, a disc-shaped pasting member adapted to rotate through the paste in the container, means to remove the paste from the



side faces of the disc, including opposed plates having edges resiliently pressed against the side faces of the disc.

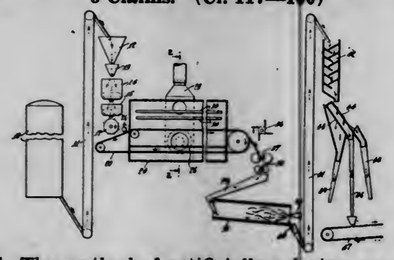
2,294,523

PROCESS OF COLORING GRANULES

Marion H. Veazey, Rutherford, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

Application November 29, 1938, Serial No. 242,891

5 Claims. (Cl. 117—100)



1. The method of artificially coloring granules which comprises coating the granules with pigment and sodium silicate and a substance adapted to inhibit the formation of bloom-producing constituents, predrying said coating by conveying the granules in a relatively shallow bed with circulation of heated air through the depth of the bed whereby said predrying may be completed without substantial agitation of the granules tending to cause color loss by abrasion, and then heating the granules to a temperature sufficient to insolubilize the silicate.

2,294,524

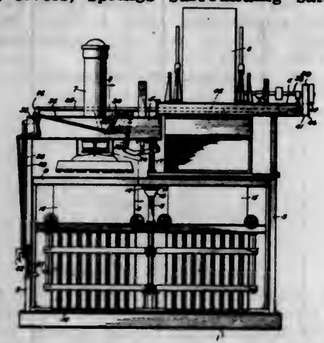
COTTON PRESS CONTROL MECHANISM

Jeffrey J. Wallace, Amite, La., assignor to Gullett Gin Company, Amite, La., a corporation of Louisiana

Application November 24, 1939, Serial No. 306,003

1 Claim. (Cl. 100—28)

Cotton press of that type comprising a pair of press boxes rotatable in alternation between a tramper and ram, including sills upon which the press boxes rest during the tramping and pressing operation, a frame supporting said press boxes, a post, a rotatable frame carrying member slidable upon said post, a pair of beams extending horizontally above said frame on opposite sides of said post, a transverse supporting bar secured to said beams to one side of a transverse vertical plane passing through the axis of said post, brackets supported by said beams on the other side of said plane affording transversely horizontally aligned points of fulcrum, levers fulcrumed in said brackets at said points and intersecting said plane, a pair of rods, adjustable collars on said rods, one for each lever vertically reciprocable through apertures in said transverse supporting bar and pivotally secured to said levers, springs surrounding said rods,



above said supporting bar and maintained in compression between said supporting bar and adjustable collars on said rods, and connections in said transverse axial plane of said post suspending said frame carrying member from said levers at points between the connections of said rods and said fulcra, and means connected to the free ends of said levers for raising and lowering them.

2,294,525

INHIBITOR

Stanley P. Waugh, Westfield, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware

No Drawing. Application December 23, 1940, Serial No. 371,409

7 Claims. (Cl. 252—51)

1. A lubricant composition comprising a mineral lubricating oil, a substance normally tending to cause corrosion of metal surfaces, and having dissolved therein, in minor proportion but in amount sufficient to inhibit said corrosion, a substance prepared by the method comprising reacting a chromate with an amine and reacting the resulting product with an organic acid.

2,294,526

STABILIZED MINERAL OIL COMPOSITION

Stanley P. Waugh, Westfield, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware

No Drawing. Application May 22, 1941, Serial No. 394,621

10 Claims. (Cl. 252—33)

1. A lubricant composition comprising a hydrocarbon oil having dissolved therein a neutral metal soap of a character not normally soluble in said oil and a sufficient proportion of a salt of an ester of a sulfocarboxylic acid to solubilize and maintain the soap in complete solution in the oil.

2,294,527

CARRIER FOR FOUR-IN-HANDS AND THE LIKE

Samuel Weiss, Brooklyn, N. Y.

Application February 11, 1942, Serial No. 430,423

2 Claims. (Cl. 211—89)

1. A carrier for four-in-hands, and the like,

comprising a plate, having therein multiple tiers of apertures for passing therethrough four-in-hands, a shoulder between the apertures between each tier for folding the four-in-hands thereover



and substantially resilient angular clamps integral with said plate for holding the four-in-hands against said shoulder, said clamps being blunted at their ends to prevent the laceration of the four-in-hands therewith.

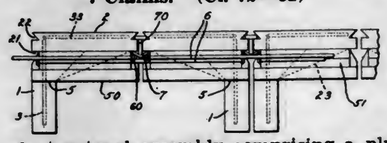
2,294,528

COMPOSITE STRUCTURAL ELEMENT

William A. Wells, deceased, late of Seattle, Wash., by Robert D. Wells, executor, near Seattle, Wash., assignor to United States Loc-Bloc Corporation, a corporation of Washington

Application February 14, 1940, Serial No. 318,859

7 Claims. (Cl. 72—61)



1. A structural assembly comprising a plurality of cast monolithic structural elements each comprising a beam disposed generally in a vertical plane and of a length to rest upon two spaced-apart supports, and a slab cantilevered from the side of the beam, horizontal grooves across the end of each element, and tie rods bearing in the outer edges of a group of assembled elements, and received in said grooves, to tie the elements into the group and to hold them in assembled relation.

2,294,529

KNITTED CAP

Frank J. Wengen, Milwaukee, Wis., assignor to Eagles Knitting Mills, Inc., Milwaukee, Wis., a corporation of Wisconsin

Application February 19, 1941, Serial No. 379,551

7 Claims. (Cl. 2—201)



1. A cap comprising, a body having an integral visor permanently attached to and overlying the front thereof and also having integral ear laps swingably associated with its opposite sides adjacent to the ends of said visor, and a continuous elastic tape extending along the edges of said visor and ear laps, said tape being under resilient tension sufficient to constantly bias said edges inwardly.

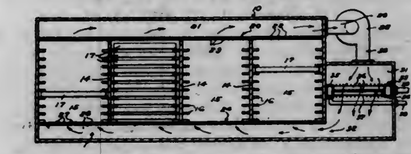
2,294,530

DEHYDRATION APPARATUS

Benjamin Wiese, Chehalis, Wash.

Application July 15, 1941, Serial No. 402,551

7 Claims. (Cl. 34—92)



1. In dehydration apparatus, a casing, means dividing the casing into a plurality of separate compartments, a slat unit within the casing at the top of the separate compartments for providing a suction passage, the slats in the unit being spaced and the spaces uniformly increasing in width toward one end of the passage, a slat unit arranged within the casing at the bottom of the compartments and forming an inlet passage, the slats in the lower slat unit being spaced and the spaces between the slats being of the same width and as narrow as the narrowest space between the slats of the first slat unit, trays arranged within each compartment in spaced superposed relation, a rotary fan having its suction end leading into the suction passage adjacent to the end of the slat unit having the smaller spaces, and means to collect and heat the air from the outlet of the fan and introduce the same into the inlet passage.

2,294,531

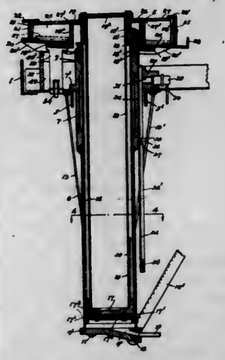
TELESCOPIC DUMP FOR SCALE PLATFORMS

August P. Winter, St. Vital, and Nicholas Robert Slasor, Winnipeg, Manitoba, Canada; said Slasor assignor to said Winter

Application April 17, 1940, Serial No. 330,142

In Canada April 24, 1939

4 Claims. (Cl. 214—46.5)



1. In a grain dump, a pneumatic air actuated hoist, said hoist embodying an upwardly directed open ended bearing, a cylinder with a base depending from said bearing, a sleeve open at both ends floatingly telescoped within said cylinder, a piston with a piston rod mounted to slide tele-

scopically within said sleeve, and a wheel receiving platform mounted on said rod for hoisting front ends of vehicles.

2,294,532

METHOD AND MEANS FOR EXTINGUISHING BURNING MOLTEN MAGNESIUM AND THE LIKE

Joseph J. Fahey and Michael Fleischer, Washington, D. C., and William W. Rubey, Westmoreland Hills, Md.

No Drawing. Original application May 2, 1942, Serial No. 441,539. Divided and this application July 15, 1942, Serial No. 451,210
14 Claims. (Cl. 252—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

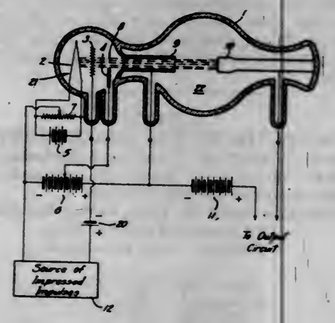
1. The method of extinguishing burning molten magnesium which consists in applying directly to the surface of the burning metal a quantity of comminuted non-combustible inorganic vitrescible crystalline material which melts from its crystalline form in the temperature range of burning molten magnesium and forms on the surface of the magnesium a non-combustible oxygen excluding glaze-like film, said film having when molten within said temperature range a viscosity within the range of several thousand to millions of poises.

2,294,533

ELECTRONIC EMISSION DEVICE

David Applebaum, Los Angeles, Calif.

Application April 4, 1939, Serial No. 265,906
2 Claims. (Cl. 179—171)



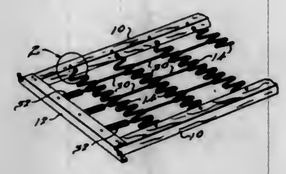
1. In an electronic emission device, an evacuated envelope forming a pair of sections, a triode in one section including an electron emitter, an anode for drawing electrons from the emitter and a control grid for modulating the electron stream, means for impressing a potential difference between said anode and said emitter, means forming an anti-cathode in the other section for receiving at least a portion of the electron stream, means for impressing a high potential on said means with respect to the emitter, a tubular electrode within said other section and having a narrow opening through which said electron stream is adapted to pass, and means for maintaining said electrode at an intermediate potential with respect to the anticathode and the anode, said electrode forming an electro-static shield in said other sections and thereby preventing the formation of an intense field in said first section by the potential on said anticathode.

2,294,534

SPRING STRUCTURE

Guido F. Berger, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin

Application December 26, 1941, Serial No. 424,439
5 Claims. (Cl. 155—179)



5. In a spring structure, in combination, a generally rectangular frame, a plurality of sinuous springs arranged in spaced and generally parallel relation extending between opposite members of said frame and tensioned therebetween, each of said opposed pair of frame members having an opening therein opening onto the inner face thereof in line with the end of each of said springs and additional openings therein arranged in substantially perpendicular relationship with respect to the first mentioned openings and each partially intersecting a corresponding of the first mentioned openings within said member, a longitudinally extending end portion on each end of each of said spring elements lying within the corresponding of the first-mentioned openings, and each of said end portions terminating in a hook lying within the corresponding of the second-mentioned openings.

2,294,535

WIRE DRAWING LUBRICANT

Arthur W. Burwell, Niagara Falls, N. Y., assignor to Alox Corporation, New York, N. Y., a corporation of New York

No Drawing. Application July 26, 1940, Serial No. 347,768
9 Claims. (Cl. 252—18)

1. A wire drawing lubricant composition consisting essentially of organic compounds characterized by containing the radicals of highly oxygenated saturated, aliphatic carboxylic acids derived from a petroleum hydrocarbon mixture by liquid-phase controlled partial oxidation, the carboxylic acids having average oxygen content at least as great as that of the hydroxy carboxylic acid form of said acids.

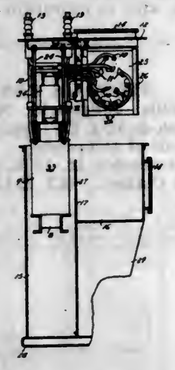
2,294,536

TRANSFORMER TAP CHANGER

Fred W. Bush, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application July 20, 1940, Serial No. 346,475
8 Claims. (Cl. 171—119)

1. In a regulating device, a tapped transformer winding immersed in a casing containing insulating liquid, a second casing adjacent said transformer casing, switch contacts immersed in insulating liquid in said second casing, means for connecting said switch contacts and said winding comprising solid leads maintained below the level of said insulating liquid, and means whereby said winding and said switch are removable from said casings while maintaining said leads connected to said winding and said contacts.



2,294,537

COLOSTOMY DEVICE

Cora B. Carhart, Hollister, Calif.

Application March 29, 1941, Serial No. 385,883
4 Claims. (Cl. 128—283)



1. A surgical appliance comprising a ring member adapted to overlie a body orifice, a flexible sleeve in communication with the interior of said ring member and having oppositely extending, open-ended portions extending beyond said ring member; the lengths of said portions being sufficient to permit interfolding of the open ends of said sleeve to form a common closure for both ends of said sleeve.

2,294,538

CONTAINER INSTRUMENT

Harry B. Cnaffin, Canton, Ohio

Application September 30, 1939, Serial No. 297,412
1 Claim. (Cl. 46—175)



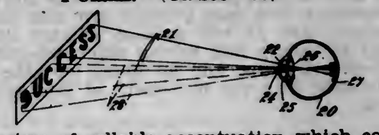
A container instrument including a conical shell having opposite end openings and which in itself is adapted for use as a megaphone, and a plurality of removable containers having side walls abutting each other and other side walls abutting the inner surface of the conical shell, and other side walls forming a central opening terminating in the opposite end openings of the shell.

2,294,539

SYSTEM OF SYLLABLE ACCENTUATION FOR USE IN DICTIONARIES, TEXTBOOKS, AND THE LIKE

Paul R. Cuddihy, Bay Shore, N. Y.

Application June 13, 1941, Serial No. 397,946
1 Claim. (Cl. 283—46)



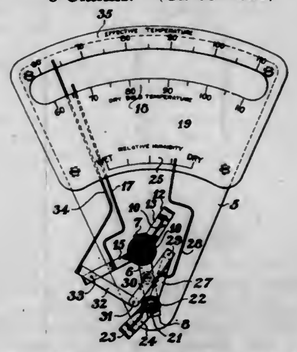
A system of syllable accentuation which consists in subjecting to the eye of an observer words of more than one syllable vertically arranged upon a flat surfaced sheet, the most accentuated syllable of the word being colored with a pigment color of the longest red wave length and the least accentuated syllable of the same word being colored with a pigment color of the shortest blue-violet wave length, the colored syllables being in horizontal alignment and the letters forming the same being arranged with their upper and lower edges each in horizontal alignment with the syllables joined without intermediate spacing to enable the eye to comprehend instantaneously the word in its entirety, without refocusing and interruption, said words being free from diacritical marks and means to indicate accentuation, other than said contrasting colors, whereby the retina of the eye of the observer is first induced by the colored pigment of the longest wave length, and thereafter by the colored pigment of the shortest wave length, to set up reactions in the mind to accentuate automatically the syllables corresponding to the degree of excitation of the eye, the most positive primary accentuation of the syllables being induced by the syllable colored with the pigment of the longest visible wave length and the least positive or secondary accentuation by the syllable colored with the pigment of the shortest visible wave length.

2,294,540

INSTRUMENT FOR MEASURING EFFECTIVE TEMPERATURES

Evan A. Edwards, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York

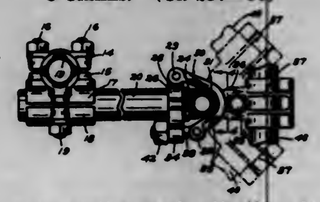
Application December 1, 1939, Serial No. 307,134
8 Claims. (Cl. 73—336)



3. In an effective temperature measuring unit, a primary arm movable about a fixed pivot, means responsive to relative humidity for moving said arm, a secondary arm movable about a fixed pivot spaced from said first pivot, means responsive to dry bulb temperature for moving

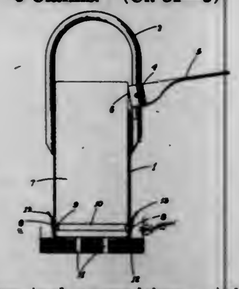
said secondary arm, said primary arm having an effective length approximately equal to the distance between said fixed pivots, a primary link pivoted at one end to the free end of said primary arm, a secondary link pivoted at one end to the other end of said primary link and at an intermediate point thereof on one end of said secondary arm, said primary arm and said secondary arm as well as said primary link and said secondary link having approximately equal effective lengths, and an index movable in accordance with the movement of said secondary link.

2,294,541
ROCK DRILL SUPPORT
Albert Feucht, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application November 13, 1941, Serial No. 418,899
5 Claims. (Cl. 287—96)



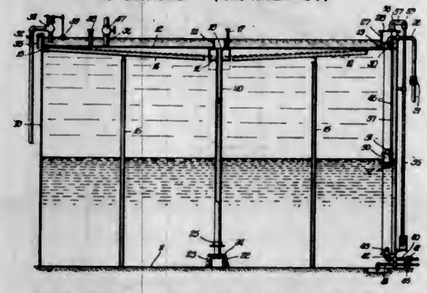
1. In a supporting and adjusting device for power tools, a fixed rubber tubular arm with a circular end socket, a shaft mounted in said arm having a complementary circular shoulder cooperating with said circular socket, a collar surrounding the arm, abutting means on the collar and arm to prevent movement of the collar longitudinally in one direction, means for holding the collar and the shaft against relative rotation, and a clamp comprising a pair of clamping elements one carried by said shaft and one carried by said collar, whereby pressure applied to tighten said clamp exerts pressure to force said circular shoulder against said circular socket.

2,294,542
RADIO VIBRATOR PULLER
Mike Chulick and John Chulick, Winters, Calif.
Application May 27, 1940, Serial No. 337,462
6 Claims. (Cl. 81—3)



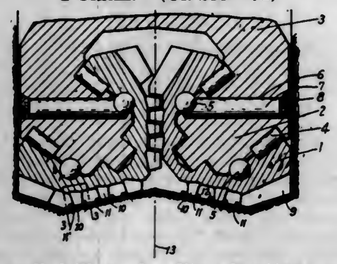
1. A lifting tool comprising a tubular sleeve adapted to be slipped over a member to be lifted, an inverted U-shaped handle projecting from one end of the sleeve, the legs of said handle being fixed on opposite sides of the sleeve adjacent said end, a loose-play collar surrounding one leg of the handle adjacent but beyond said end of the sleeve, a cross pin pivoting the collar on said leg for rocking movement to swing one portion of the laterally inward face of the collar inwardly toward the longitudinal axis of the sleeve and beyond the plane of the adjacent inner face of said sleeve, and means to rock said collar to, and to maintain the same in, said position.

2,294,543
STORAGE TANK
Clifford A. Ellis, Ridgefield, N. J., assignor to Graver Tank & Mfg. Co., Inc., Catasauqua, Pa., a corporation of Delaware
Application December 14, 1939, Serial No. 309,170
2 Claims. (Cl. 221—67)



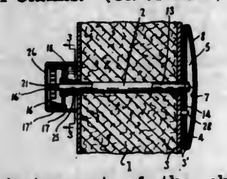
1. In a storage tank adapted to store a volatile liquid over a layer of water, means delivering water to the tank as the volatile liquid is withdrawn to maintain the tank substantially filled, a water outlet pipe located at the base of the tank for withdrawing water therefrom, a supply pipe at the upper end of the tank for introducing into and withdrawing from the same a volatile liquid, a float member adapted to float on the surface of the water to thereby assume a position corresponding to the level of the water within the tank, guiding means extending vertically of the tank and aligned with the terminal end of the supply pipe and the water outlet pipe for guiding the said float member, and means fixed to the upper and lower end of the float member and adapted to telescope the terminal end of said supply pipe and water outlet pipe respectively, said float member and means fixed thereto operating automatically to substantially reduce the flow of each liquid respectively during withdrawal of the same in the event the quantity of said liquid remaining in the tank reaches a predetermined low limit.

2,294,544
CUTTER TEETH FOR WELL DRILLS
Lewis E. Garfield, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application August 15, 1940, Serial No. 352,713
1 Claim. (Cl. 255—71)



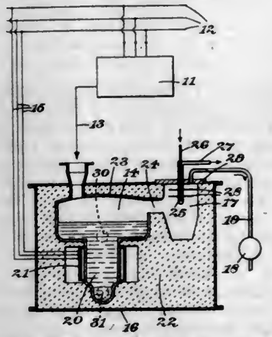
In a well drill, a plurality of cutters mounted to rotate thereon, and circumferential rows of chisel shaped teeth on said cutters, crests on said teeth extending longitudinally of the cutter, the rows of teeth on each cutter mounted to cut a separate track on the well bottom, said teeth being formed with relatively more abrasion resistant material on the outward and inward sides thereof.

2,294,545
DEVICE TO INDICATE AN ATMOSPHERIC CONDITION
Charles D. Gelatt and Adrian P. Brietzke, La Crosse, Wis., assignors to Northern Engraving & Manufacturing Company, La Crosse, Wis., a corporation of Wisconsin
Application May 13, 1940, Serial No. 334,766
4 Claims. (Cl. 73—367)



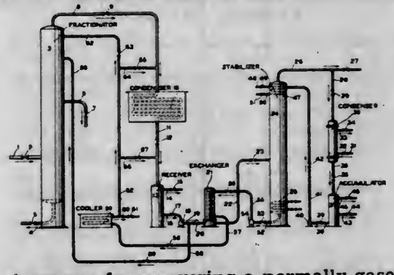
2. In an instrument of the character described, a temperature indicating device formed in two units, one unit comprising a temperature responsive element consisting of a bi-metal coil and a normally stationary enclosure in which said coil is located, the other unit comprising a housing, a tube having one end thereof connected with said housing, a rotatable shaft in said tube and an indicating member connected with said shaft and located in said housing, in connection with means for connecting said shaft with the inner end of said coil and means for connecting the other end of said tube with said stationary enclosure, said latter means comprising a bushing secured to the stationary enclosure into which said other end of the tube extends, said bushing having a pair of diametrically disposed slots extending through the wall thereof, said other end of the tube having a pair of diametrically disposed grooves in registry with said slots and a U-shaped spring clip having its legs extending in said slots and grooves to lock the bushing and the tube.

2,294,546
PRODUCTION OF ALUMINUM
Henri Louis Gentil, Paris, France, assignor to Alloy Processes Limited, London, England, a British company
Application June 28, 1940, Serial No. 343,035
In Great Britain June 29, 1939
2 Claims. (Cl. 75—10)



1. A process for the reduction of aluminum comprising the steps of first reducing in an electric furnace a charge consisting of an aluminum bearing material in admixture with iron oxide, a reducing agent, silica in such amount that the alloy produced is rich in silicon, adding to the molten alloy thus formed a further quantity of aluminum bearing material so that the silicon in the alloy will reduce the aluminum bearing material and the aluminum content is thereby increased, and thereafter reducing the pressure of the atmosphere in contact with the molten alloy to a degree such that the absolute pressure does not exceed 4 mm. of mercury, and bringing the temperature of the alloy to a point at which the aluminum volatilises therefrom, and condensing the vapors so produced while they are still under the vacuum by leading them into contact with a cooled condensing element.

2,294,547
TREATMENT OF HYDROCARBONS
Clarence G. Gerhold and Bernard J. Flock, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 10, 1938, Serial No. 234,181
4 Claims. (Cl. 196—11)

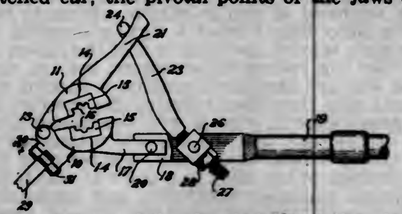


4. A process for recovering a normally gaseous fraction rich in polymerizable olefins from the mixture of vapors and gases produced in the conversion of hydrocarbons, which comprises fractionating said mixture in a fractionating column to condense and separate fractions thereof heavier than gasoline from the gasoline vapors and gases, subjecting the fractionated mixture to final condensation under conditions adequate to liquefy the gasoline vapors and C_4 components of the gases, separating the resultant condensate from the lighter uncondensed gases and withdrawing the latter from the process, stabilizing the separated condensate to liberate C_4 hydrocarbons therefrom and recovering the thus liberated normally gaseous hydrocarbons, and introducing a portion of the stabilized condensate into the upper portion of said fractionating column to contact with said mixture undergoing fractionation.

2,294,548
WRENCH
Samuel W. Gordon, Canal Fulton, Ohio
Application March 6, 1941, Serial No. 381,934
2 Claims. (Cl. 81—91)

1. A wrench including a pair of gripping jaws pivotally connected together at one side, a rigid leg fixed to the opposite side of one jaw, an operating handle pivotally connected to the end portion of said leg, a second handle pivotally connected to said one jaw near the pivotal point of the jaws and arranged to swing downward upon its pivot when not in use, a notched ear upon the other jaw on the side opposite to the pivotal

point of the jaws and an arm pivotally mounted upon the operating handle and having a crosshead at its free end for engagement with said notched ear, the pivotal points of the jaws and



the pivoted arm being located above the pivotal center of the operating handle and leg and arranged to be thrown over center to lock the jaws upon a cable or the like when the two handles are moved toward each other.

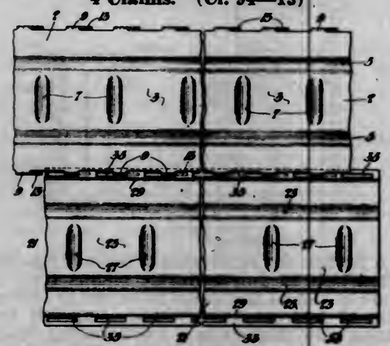
2,294,549

PORTABLE DECK

Gerald G. Greulich, Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., a corporation of New Jersey

Application July 12, 1940, Serial No. 345,218

4 Claims. (Cl. 94—13)



1. A plurality of metallic plates adapted for rapid attachment and detachment to form a substantially horizontal portable deck capable of sustaining superposed loads, a group of said plates having a series of aligned spaced openings inwardly of an edge thereof, another group of said plates being provided along marginal portions thereof with a series of aligned spaced downwardly-projecting lugs adapted to align with and extend through the openings of the first-named group of plates, each of said lugs comprising a shank and an enlarged head portion, the openings in said first-named group of plates being substantially larger than the enlarged head portions of the lugs of said second-named group of plates whereby, upon disposing the said lugs in the said openings and subjecting the plates to relative longitudinal movement, the enlarged head portions of the said lugs are disposed beneath the bottoms of said first-named group of plates to thereby effect an interlock.

2,294,550

PORTABLE DECK

Gerald G. Greulich, Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., a corporation of New Jersey

Application September 24, 1940, Serial No. 358,180

4 Claims. (Cl. 94—13)

1. A plurality of metallic plates adapted for rapid attachment and detachment to form a substantially horizontal portable deck capable of sustaining superposed loads, each of said plates having a series of aligned spaced openings inwardly of an edge thereof, and being provided outwardly of said openings with a series of aligned spaced downwardly-projecting lugs adapted to align with, and extend through, the openings of a similarly formed and adjacently disposed plate, each of said lugs comprising a



shank and an enlarged head portion, the openings in said plates being substantially larger than the enlarged head portions of the lugs thereof whereby, upon disposing the said lugs in the said openings and subjecting the plates to relative longitudinal movement, the enlarged head portions of the lugs of one of said plates are disposed beneath the bottoms of the similarly formed and adjacently disposed plate aforesaid to thereby effect an interlock.

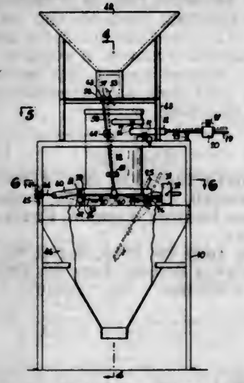
2,294,551

AUTOMATIC WEIGHING MACHINE

Eugene Upshaw Guest, Charlotte, N. C.

Application November 29, 1940, Serial No. 367,730

1 Claim. (Cl. 249—53)



Apparatus for weighing loose bulk materials, comprising a framework, a hopper disposed in the upper portion of the framework and having an opening in the lower portion thereof, a gate for closing said opening, a bell crank on said gate and a downwardly depending weighted member attached at its upper end to said bell crank, a weighing lever, a fulcrum on the frame for supporting an intermediate portion of said weighing lever, a container disposed below the hopper and being pivotally supported by one end of said weighing lever, said weighing lever having a counterweight on the other end thereof, a bottom for said container pivoted to one side of the container and weighted means for normally holding the bottom in closed position, means on the bottom for engaging said weighted member associated with said bell crank for holding the gate in open position when the bottom is in closed position, a bell crank latch member pivoted to said container adjacent the free side of said bottom, said bottom having a latch thereon and said bell crank latch having a projection thereon for engaging said latch and holding the bottom in closed position, the other end of said bell crank latch having an enlarged hole therein, a bolt of substantially smaller size than the hole and having one end positioned within the hole the other end of the bolt being adjustably mounted in the framework, whereby when a predetermined amount of material has moved from the hopper into the container, the container will be moved downwardly slowly to allow the weighted member to partially close the gate, the enlarged hole in said bell crank latch allowing the container to move downwardly a substantial amount to partially close said opening before the bottom is unlatched to dump the contents of the container.

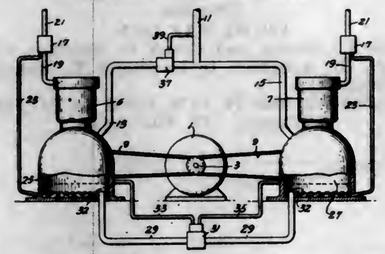
2,294,552

REFRIGERATING CONDENSING UNIT

Ernest Gygax, St. Louis, Mo., assignor to Curtis Manufacturing Company, Wellston, Mo., a corporation of Missouri

Original application May 13, 1937, Serial No. 142,395. Divided and this application September 26, 1939, Serial No. 296,636

3 Claims. (Cl. 184—103)



1. In a device for insuring a safe oil level in each of the crankcases of a plurality of interconnected compressors, an oil reservoir, a fluid passage between said oil reservoir and each of the crankcases of the compressors, each of the said fluid passages having one of its ends in communication with the oil reservoir and its other end extending into the crankcase of one of the interconnected compressors, said end of the fluid passage that extends into the crankcase of one of the compressors being positioned a short distance above the bottom of the said crankcase, and being adapted to cooperate with the crankcase to maintain a safe oil level in the bottom of the crankcase at all times, and means responsive to the level of the contents in the oil reservoir to vary the passage of a fluid through one of said fluid passages.

2,294,553

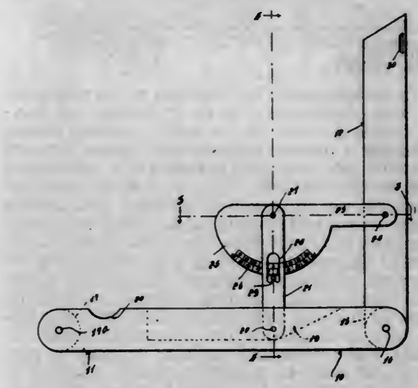
DEGREE BEVEL

Joseph B. Hagen, Everett, Wash.

Application March 27, 1941, Serial No. 385,532

3 Claims. (Cl. 33—75)

1. A degree bevel comprising a blade, a blade holder pivotally connected at one end thereof to one end of the blade and provided with a longitudinal slot extending therethrough for receiving the blade, when in a closed position, said blade and blade holder being provided with straight longitudinal edges, arms pivotally connected to the blade and blade holder at corresponding ends of the arms, the opposite ends of said arms being pivotally connected and being arranged to form right angles with one another



and with the blade and blade holder when said blade and blade holder are disposed at right angles to each other, and a protractor forming a part of one of said arms for indicating the degree of bevel of the blade and blade holder, and the arms and protractor being movable with the blade into the slot of the blade-holder.

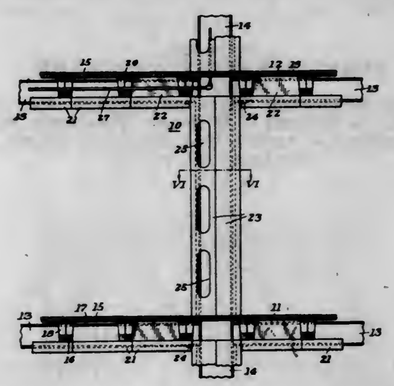
2,294,554

FIREPROOF ENCLOSURE FOR BUILDING FRAMES

Albert Henderson, Pittsburgh, Pa., assignor to William P. Witherow, Pittsburgh, Pa.

Application July 1, 1939, Serial No. 282,489

8 Claims. (Cl. 72—73)



5. Fireproofing for building frames comprising a pair of precast, channel-section, plastic slabs disposed about a girder and similar slabs disposed about a column to which the girder is secured, and channel-section floor slabs resting on the girder fireproofing, the column fireproofing slabs having their upper ends notched and curved to fit between the flanges of one of the floor slabs whereby the latter holds the upper ends of the column slabs together.

2,294,555
METHOD AND APPARATUS FOR FORMING THERMOPLASTIC STRIPS

George S. Hendrie, Grosse Pointe Farms, Mich., assignor to Detroit Macold Corporation, Detroit, Mich., a corporation of Michigan

Application January 5, 1940, Serial No. 312,562
8 Claims. (Cl. 18—12)



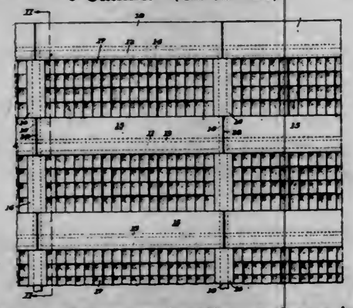
1. In an apparatus for forming a thermoplastic strip, the combination of an extruding die having a forming orifice and a fixed mandrel, means for forcing a heated thermoplastic mass through said orifice and over said mandrel in a continuous hollow or channel-like strip, an endless conveyor comprising an endless belt member and means for supporting and driving said endless belt member, means for controlling the final shape of the extruded thermoplastic strip and comprising an adjustable pivotally mounted end section forming a part of said endless conveyor, adjusting means for moving said end section vertically relative to said extruding die, a longitudinally extensible and retractible member forming a part of said end section, adjusting means adapted to vary the longitudinal spacing between said conveyor and said extruding die, an idler pulley engaging the endless belt, and means to move the idler pulley to compensate vertical and longitudinal movement of said end section of the conveyor relative to the extruding die and to vary the tension of the endless belt.

7. The method of forming a thermoplastic strip having a predetermined substantially uniform size and shape which comprises the steps of forcing a heated thermoplastic mass through a forming orifice to form an initially extruded strip differing from the desired size and shape, receiving said strip on a support spaced from the orifice and adjusting the spacing of the support from the orifice to vary the extent of the unsupported portion of the strip to bring said strip to the desired size and shape, and cooling said strip on the support.

2,294,556
FLOATING EXTERNAL WALL FOR BUILDINGS

Albert Henderson, Edgewood Borough, Pa., assignor to William P. Witherow, Pittsburgh, Pa.

Application April 4, 1941, Serial No. 386,931
9 Claims. (Cl. 72—16)



6. In a building construction, a frame including spaced primary columns, a monolithic wall panel bridging each pair of adjacent columns, said panels having a sash-engaging means on their upper edge thereby affording an integral sill, shelves secured to said columns and extending outwardly thereof to support the panels, and keying members secured to the columns having flanges which enter recesses in the ends of the panels preventing movement thereof away from the columns but leaving them free to expand and contract.

2,294,557
TRACTION DEVICE

Milton B. Herbrick, Omaha, Nebr.

Application August 19, 1940, Serial No. 353,258
4 Claims. (Cl. 152—245)

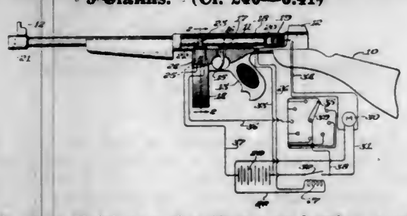


3. A traction device for use with a tire chain, comprising a W-shaped metallic member having an elongated main body portion, an arm portion at each end of said body portion and a shank portion between said arms, said shank and arm portions being normally disposed in parallelism and at right angles with respect to said body portion, said shank and arm portions having their ends provided with enlargements adapted when the arms are bent into converging relation with the shank and about a portion of the tire chain, to cooperate to engage the tire chain and loosely secure the traction device thereto.

2,294,558
LIGHT RAY GUN

Donald E. Hooker and Frank G. Nicolaus, Chicago, Ill., assignors to Raymond T. Moloney, Chicago, Ill.

Application June 26, 1940, Serial No. 342,506
5 Claims. (Cl. 240—6.41)



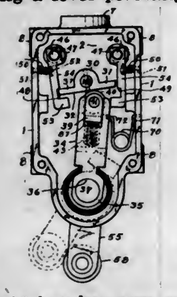
1. In a light ray shooting gun having a portion carrying an electric lamp, an optical system and a trigger actuated switch, a circuit operatively associated with a source of energy and the gun, a motor in the circuit, a rotary wiper switch in the circuit adapted to be driven by said motor, a relay closed starting switch to condition the motor circuit and light the lamp when the trigger switch is closed, a shutter normally positioned to obstruct passage of light from the lamp through the gun, and electromagnetically actuated means in the circuit to move the shutter to permit passage of light from the gun whenever the rotary switch passes current.

2,294,559
SWITCH

Max L. Jeffrey, Shaker Heights, Ohio, assignor, by mesne assignments, to The M. L. Jeffrey Corporation, Cleveland, Ohio, a corporation of Ohio

Application July 26, 1938, Serial No. 221,274
4 Claims. (Cl. 200—67)

1. A switch of the class described including a support, a shaft rotatably journalled in the support, a switch breaker arm depending on one side of the support and contacts loosely carried thereby, fixed contacts adapted for electrical connection with said loose contacts, means for rotating said breaker arm comprising a rocker arm carried by said shaft on the other side of said support, a snap mechanism for moving the rocker arm comprising a lever pivotally carried by a

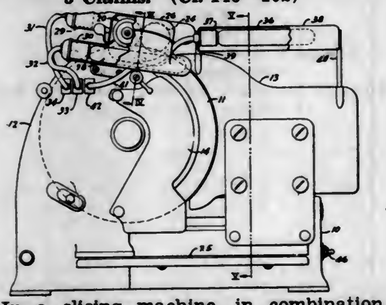


support below said breaker arm and on the opposite side of the support, said lever having a slideway and a slide disposed therein with a roller carried thereby, said arm extending toward the rocker arm and spring means for urging the roller against the rocker arm, latch means for alternately engaging the ends of the rocker arm and operable to hold the rocker arm in predetermined rocked positions until alternately disengaged by contact with said lever.

2,294,560
SLICING MACHINE

Geoffrey R. Bennett, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application May 25, 1940, Serial No. 337,311
5 Claims. (Cl. 146—102)



1. In a slicing machine, in combination, a bracket, a rotary slicing knife mounted upon said bracket, a motor for rotating said rotatable slicing knife, a plurality of ultra violet ray emitting tubes mounted adjacent said knife, means for directing rays emitted by said tubes against portions of the sides of said knife, a current source, a circuit connecting said motor with said current source and said ray emitting tubes with said current source, a manipulative means for closing said circuit and thereby energizing said tubes and said motor to cause said motor to rotate said knife at a high rate of speed and means connectable into said circuit for periodically causing said motor to rotate said slicing knife at a low rate of speed and for energizing said tubes while said motor is so rotating, said means in said circuit for causing said motor to rotate at a low rate of speed including an electric timing device.

2,294,561
EYE PROTECTOR

Donald E. Kimball, Cleveland, Ohio

Application May 27, 1939, Serial No. 276,195
8 Claims. (Cl. 2—14)

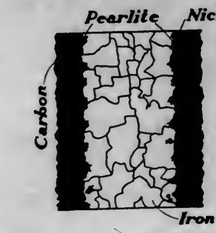


7. Eye protector fastening means, comprising; a pair of eye protecting means; nose bridge means for connecting said eye protecting means, said nose bridge means including spaced ball means, and link means between said ball means: at least one of said eye protecting means being in the form of a cup-shaped member having a tubular section for the threaded reception of a lens holding bezel, and a lens holding bezel detachably engageable with said tubular section; said tubular section having a recess for the adjustable reception of said nose bridge means, said recess opening through the outer edge of said tubular section, and extending inwardly from said edge, the defining walls of said recess and said nose bridge means being constructed and proportioned to interengage snugly, and thereby effect frictional resistance to accidental disconnection of said nose bridge means when said lens holding bezel is removed from said tubular section; and detachable locking means for preventing removal should said friction holding means be accidentally overcome.

2,294,562
CARBONIZED STEEL STRIP AND METHOD OF MAKING SAME

Walter E. Kingston, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application July 15, 1939, Serial No. 284,588
16 Claims. (Cl. 148—17)

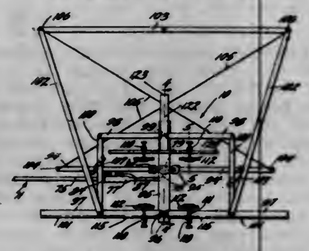


1. The process of producing an iron-alloy matrix with a carbonized surface which comprises, nickel plating the alloy, oxidizing the plated alloy, then simultaneously reducing the oxide and carbonizing the iron at a temperature sufficient to form a pearlite layer in the matrix, the thickness of the said plating and carbonizing temperature being correlated so that the depth of the pearlite layer between the matrix and its carbonized surface is not in excess of approximately 20% of the matrix thickness and the ductility of the matrix is not materially decreased.

12. A carbonized iron strip of the order of 0.005 inch thickness comprising a matrix of the alpha iron type, an outer carbon layer, an intermediate pearlite layer of the order of 0.0010 inch average

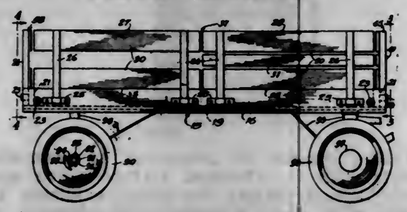
thickness, and a layer of a metal between said intermediate layer and the outer carbon layer, said metal layer being of sufficient thinness to permit the carburization of the matrix therethrough and acting as a catalyzer when the matrix is heated in a carbonizing atmosphere.

2,294,563
BOOKRACK
William P. Lamar, Atlanta, Ga.
Application August 16, 1939, Serial No. 290,505
2 Claims. (Cl. 45—80)



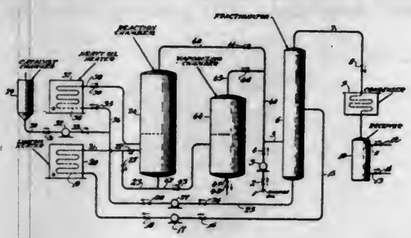
1. In a stand of the class described, in combination, a rack for supporting printed matter of various kinds, such as books, music compositions, or the like, said rack being provided with a flanged strip along its lower edge, a centrally disposed tubular strip embodied in said rack and having an open end, a U-shaped member having one of its arms adjustably received within the end of said tubular member, a transverse strip secured to the other arm of said U-shaped member for adjustment with respect to said lower flanged strip whereby said upper and lower strips may be adjusted relatively to each other to accommodate articles of various dimensions upon the rack, and pivoted clamping elements carried by said transverse strip and adapted to bear upon the matter supported by said rack.

2,294,564
TOY WAGON
Benjamin F. Leber, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application July 27, 1939, Serial No. 286,773
6 Claims. (Cl. 296—66)



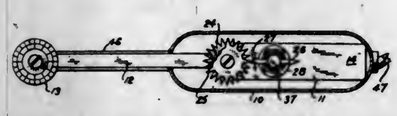
1. A toy vehicle body comprising a base, a first pair of wall members anchored to and extending upward from said base, a second pair of wall members detachably connected to and extending upward from said base, one member of said second pair being capable, when detached from said base, of bridging the first pair, means for interlocking said one member with said first pair to form a seat and reinforcement for said first pair, the other member of said second pair being detachably connectible with said one member and, when so connected, extending upwardly from said one member.

2,294,565
CRACKING HYDROCARBON OIL
William Edward Lemen, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 6, 1940, Serial No. 328,166
4 Claims. (Cl. 196—52)



3. A hydrocarbon oil conversion process which comprises commingling a powdered cracking catalyst with a relatively heavy oil, introducing the resultant mixture to a reaction zone maintained under catalytic cracking conditions, simultaneously subjecting a lighter oil to thermal cracking at higher temperature than that maintained in the reaction zone, discharging resultant heated products into the reaction zone and therein transferring heat from said products to said mixture to supply heat for the catalytic cracking of said heavy oil, removing vapors from the reaction zone and fractionating and condensing the same, separately removing admixed unvaporized oil and catalyst from the reaction zone and introducing the same to a reduced pressure vaporizing zone, and discharging additional heated products from the thermal cracking step into said vaporizing zone to assist the vaporization of oil from catalyst therein.

2,294,566
MEASURING INSTRUMENT
Leland S. Malm and John F. Oneto, San Francisco, Calif.
Application December 19, 1941, Serial No. 423,651
8 Claims. (Cl. 33—141)



1. In a measuring instrument the combination of a support, a traction wheel rotatably mounted on the support, a train of gears operatively connected to the traction wheel, a switch, contact means for the switch, and rockable means in engagement with the train of gears and actuated upon rotation of said traction wheel, said rockable means having an operative connection with said switch contact means.

2,294,567
COMBINATION SEED ENVELOPE AND MARKER
Ida May Mooney, Oyster Bay, N. Y.
Application March 27, 1941, Serial No. 385,490
1 Claim. (Cl. 206—47)

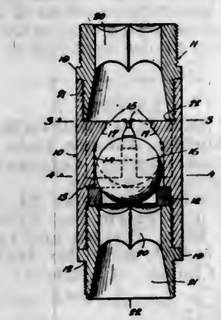
The combination of a seed envelope having the printed matter thereon offset laterally to leave a blank space along one longitudinal margin, with a wooden marker secured to the outside

of the envelope and lying substantially within the boundaries thereof in said blank space, said



marker having printed thereon the name of the seed in the envelope.

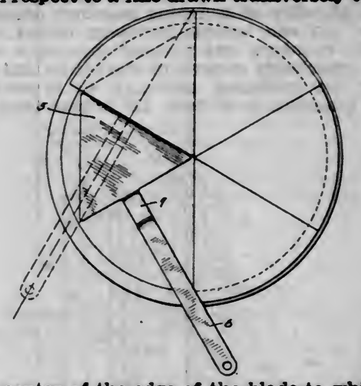
2,294,568
BALL VALVE CAGE
Karl P. Neilsen, Long Beach, Calif.
Application April 21, 1941, Serial No. 389,564
4 Claims. (Cl. 251—121)



1. A ball valve cage for oil well pumps, consisting of a cylindrical casing having internally threaded end portions and an annular flange therein at the inner end of one of said threaded end portions, lengthwise disposed valve guiding ribs rising from said flange and integral therewith and with the inner surface of the casing, said ribs having their upper ends terminating substantially at the inner end of the other threaded portion of the casing and provided with radially, inwardly projecting integral ball stop fingers grouped in spaced relation around the axis of the casing, and an adaptor threadedly engaging within the upper end of the casing and having a bore, the lower portion of which is downwardly flaring and terminates at the upper ends of the ball guide ribs, to thus insure streamlined, unobstructed flow of fluid through the casing and adaptor.

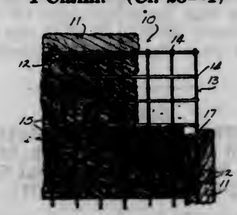
2,294,569
PIE SLICE LIFTER
William A. Petersen, Excelsior Springs, Mo.
Application November 17, 1941, Serial No. 419,478
2 Claims. (Cl. 294—7)

1. A pie slice lifter, comprising a substantially triangular blade, a handle connected to one of the straight edges of the blade at a point offset with respect to a line drawn transversely through



the center of the edge of the blade to which the handle is connected.

2,294,570
MAT
Joseph F. Ptacek, Milwaukee, Wis.
Application July 12, 1941, Serial No. 402,152
1 Claim. (Cl. 28—1)



As an article of manufacture, a wire mesh foundation having uniformly square openings therein, lengths of yarn disposed about the wire members extending in one direction in the mesh, and yarn lengths disposed at right angles thereto to fill the half square openings left on the sides of said mesh, and a binding element entirely encircling said mesh and yarn secured by sewings over the outer marginal members of the mesh and under the contiguous members at right angles thereto.

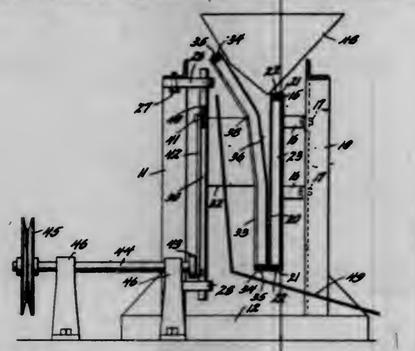
2,294,571
METHOD AND MATERIAL FOR TREATING METAL SURFACES
Theron P. Remy, Los Angeles, Calif.
No Drawing. Application August 4, 1940, Serial No. 351,434
11 Claims. (Cl. 148—6.5)

1. A rust preventing composition consisting of weak acids for attacking oxides with a minimal attack on the metal body containing titanium tetrachloride in solution.

2,294,572
GRANULATING SIFTER
Ernst Reinecke, Little Falls, N. Y., assignor to Chr. Hansen's Laboratory, Inc., Little Falls, N. Y., a corporation of New York
Application September 21, 1940, Serial No. 357,800
2 Claims. (Cl. 83—61)

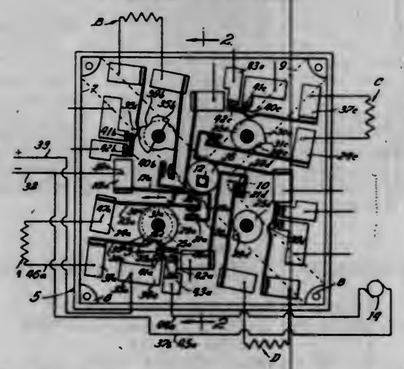
1. In a device granulating sugary masses, a rigid frame including a bottom member, a pair of side members rising vertically therefrom and

then sloping away from a vertical plane, a top member joining the free ends of the side members, a plurality of stiffening members connecting the top and bottom members, alined with the side members and parallel thereto, a wire screen detachably secured to the frame and engaging the stiffening members to present a rough granulating surface all intersections of



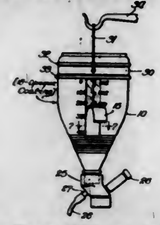
which with horizontal planes are straight lines, a rough, substantially vertical surface forming with the screen a trough, and means for imparting to the frame a rapid cutting movement while holding the lower portion of the screen close to the rough surface so that the granulated material will pass through the screen and the frame.

2,294,573
INFINITELY VARIABLE SWITCH
Paul H. Potter, Oak Park, Ill.
Application January 2, 1940, Serial No. 312,071
12 Claims. (Cl. 200—27)



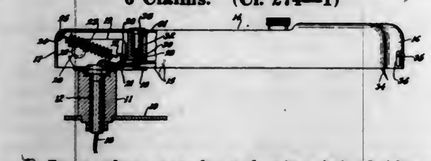
2. In a device for independently controlling the supply of current to a plurality of electrically operable units, the combination of a plurality of pairs of mating contacts each pair of which controls the supply of current to a different one of said units, a common interrupter for said contacts comprising a cam operable successively on a contact of each pair to intermittently make and break the contact thereof, means for individually varying the duration of intermittent contact of each pair of contacts for periods of time ranging from constant engagement of the contacts to constant disengagement thereof and means operable to selectively interrupt the current supply to each pair of contacts irrespective of the operative position of the actuating means.

2,294,574
CONTAINER FOR LIGHT-UNSTABLE SOLUTIONS
Edward A. Ravenscroft, Glencoe, and Robert M. Flint, Waukegan, Ill., assignors to Abbott Laboratories, a corporation of Illinois
Application July 18, 1941, Serial No. 403,004
3 Claims. (Cl. 215—12)



1. A hermetically sealed container for protecting light-unstable liquids contained therein from exposure to light while permitting visual inspection thereof from time to time, which comprises, a glass bottle, a hermetic seal closing the neck of said bottle, a strip of light-impervious tape, which is coated on one side with a non-setting, pressure sensitive, adhesive, adhesively affixed to one side of said bottle, and a light-impermeable coating covering the outer surface of the container except for the area therof which is covered by said strip of tape, said strip of tape being removable and replaceable so as to provide a recloseable window in said opaque coating to permit examination of the contents of said bottle.

2,294,575
PICKUP ARM FOR PHONOGRAPHS
Emmor V. Schneider, Alliance, Ohio, assignor to Alliance Manufacturing Company, Alliance, Ohio, a corporation of Ohio
Original application September 11, 1940, Serial No. 356,313, now Patent No. 2,270,972, dated January 27, 1942. Divided and this application August 7, 1941, Serial No. 405,820
6 Claims. (Cl. 274—1)



7. In a phonograph, a horizontal platform, a vertical post journaled in said platform, a bracket upon the top of the post and having notches open through its outer end, a hollow pick up arm having studs upon its interior detachably pivoted in said notches and a pull spring connected to the outer end of the pick up arm and to the inner end of the bracket for holding the pick up arm assembled upon the bracket and for holding the pick up arm in either angular raised or substantially horizontal lowered position.

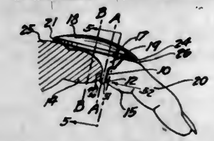
2,294,576
RECORDING PHONOGRAPH
Emmor V. Schneider, Alliance, Ohio, assignor to Alliance Manufacturing Company, Alliance, Ohio, a corporation of Ohio
Application August 13, 1941, Serial No. 406,622
11 Claims. (Cl. 274—1)

1. In a phonograph including a turntable, a hollow pick up arm, means pivotally mounting one end of the pick up arm adjacent to the turntable, and a reproducer located within the other end of the hollow pick up arm, a pivot mounting for adjustably mounting the reproducer within the pick up arm, said pivot mounting including a pair of arms rigidly attached to the reproducer,



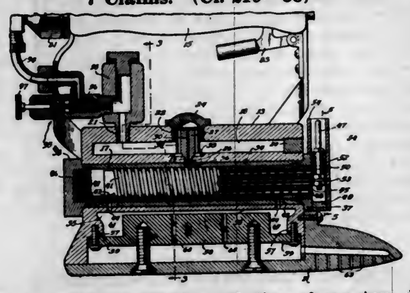
V-shape tangs upon said arms, and the pick up arm having V-shape notches of greater width than said tangs, the apices of the V-shape tangs being pivotally mounted in the apices of said V-shape notches.

2,294,577
FINGER RING
Carl W. Scott, Salt Lake City, Utah
Application August 9, 1941, Serial No. 406,160
9 Claims. (Cl. 63—15)



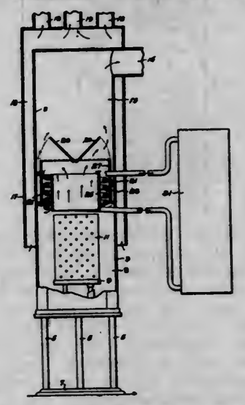
3. A finger ring including in combination, a ring band adapted to at least partially encircle a human finger, a top plate mounted on the ring band, and a side cape disposed to hold the said top plate in alignment with the said finger.

2,294,578
STEAM GENERATOR FOR STEAMING APPLIANCES
Herbert L. Shapiro and Ole Skutley, Chicago, Ill.; said Skutley assignor to said Shapiro
Application August 9, 1941, Serial No. 406,218
7 Claims. (Cl. 219—38)



1. A steam generator of the character described comprising a body member having a longitudinal bore provided with a channel, an electrical heating element disposed within said bore, a chamber formed in said body member over said bore and having a passage communicating therewith, a heat exchanger received in said passage, said heat exchanger comprising a body portion having a plurality of longitudinal passages disposed about a central passage communicating with said bore and said chamber, the said chamber being arranged to receive a supply of feed water under pressure and to serve as a preliminary vaporizing chamber therefor, the steam formed in said chamber passing through said heat exchanger and being conducted in said channel around said heating element whereby to substantially superheat said steam, and means for regulating the temperature of said heating element and the rate of flow of feed water in such relation whereby substantially instantaneous generation of steam is effected.

2,294,579
HEATING DEVICE
Ralston M. Sherman, Glastonbury, Conn.
Application November 13, 1939, Serial No. 303,931
3 Claims. (Cl. 126—101)



1. In a house heating device, an oil burner of the vaporizing type having an open top perforated combustion tube, a burner casing enclosing said burner and providing an air chamber surrounding said tube and a heating chamber above the burner, a casing surrounding and spaced from the heating chamber, presenting an intermediate air chamber and constituting, with the walls of said heating chamber, house heat-transfer means for heating the air of a room, a cylindrical shell within the burner casing of a diameter not substantially less than that of the combustion tube, said shell having its lower open end immediately above the open top of the combustion tube and providing a direct passage for the products of combustion from the burner, a second cylindrical shell surrounding but spaced from the first shell and spaced also from the surrounding walls of the casing, providing an annular space between the two shells and providing also a second annular space between the second shell and the walls of the burner casing, said second shell having its open upper end above the top of the first shell; a series of auxiliary heating coils for heating water for domestic use arranged spirally between the two shells and subject to the heating effect of the burner but normally out of the direct path of the products of combustion from the burner, a water storage tank having connection from its lower part to the lowermost coil and from its upper part to the uppermost coil of the series, and damper means for the open top of the second shell to provide for direct travel of the products of combustion from said shell into the heating

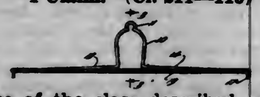
chamber or to cause the same to travel downwardly through the annular space in direct contact with the series of auxiliary heating coils, and thence upwardly into the heating chamber through the second annular space.

2,294,580
LAMP HOUSE FOR PHOTOGRAPHIC PRINTERS
Clifton R. Skinner and Frederick P. Willcox, San Francisco, Calif., assignors to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Original application November 25, 1939, Serial No. 306,042, now Patent No. 2,236,303, dated March 25, 1941. Divided and this application February 13, 1941, Serial No. 378,762
12 Claims. (Cl. 88—24)



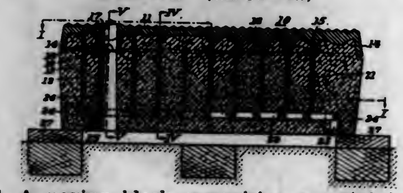
1. A lamp house for photographic printers for restitutional, for enlarging, and for other photographic printing purposes, consisting of two truncated conical sections connected together at their larger ends, the said conical sections having lengthwise extending ribs or fins registering in lengthwise alignment when said coned portions are connected together and providing lengthwise extending air channels between them to facilitate heat dissemination, one of said sections having means for supporting a light source therein, and having at its smaller end an opening or openings for the exit of heated air, the other of said sections having an opening or openings for the admission of exterior air, said last mentioned section having means to support light-modifying means, and also having an upwardly extending, imperforate wall 92 radially inward of said air admission openings and of sufficient height to prevent the direct rays of the light from the light source escaping through the opening or openings in such section, said part 92 having a prolongation extending in the opposite direction outside of the said last mentioned section, to provide said means to support light-modifying means beyond the air entrance end of the said last mentioned section.

2,294,581
CLOTHESLINE
Harry L. Snyder, West Los Angeles, Calif.
Application August 20, 1941, Serial No. 407,584
1 Claim. (Cl. 211—113)



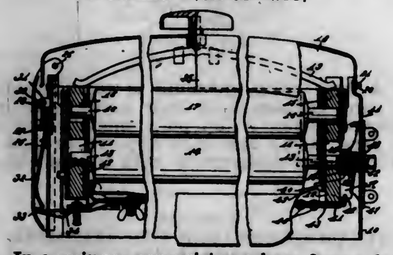
A device of the class described comprising a wire frame having a central loop by which it may be supported, extensions extending laterally therefrom and arms extending forwardly from the ends of the extensions adapted to have a band stretched taut therebetween, the forward ends of the arms being bent downwardly and then rearwardly.

2,294,582
PAVING BLOCK
Francis C. Sullivan, McKeesport, Pa.
Application November 14, 1939, Serial No. 304,356
4 Claims. (Cl. 94—12)



1. A paving block comprising a metal tread portion and a non-metallic body portion, the lower surface of the tread portion having a multiplicity of pyramidal projections, and an anchor embedded in each pyramidal projection and extending downwardly into the body portion, whereby any fracture of the tread will follow the grooves between pyramidal sections, leaving all fragments firmly secured to the body portion.

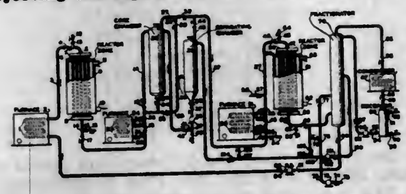
2,294,583
WRINGER
Jacques Stanitz, Warren, and William O. Duke, Salem, Ohio, assignors to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application May 13, 1940, Serial No. 334,694
5 Claims. (Cl. 68—253)



1. In a wringer comprising a base frame, laterally separable rolls, pressure means for pressure urging one of said rolls upon the other, quick release anchoring means for said pressure means, and separable clutching elements through which power may be delivered to one of said rolls, a lever associated with one of said clutching elements so as to be capable of shifting it to active position, means dependent upon the pressure exerting capacity of the pressure means to move said lever toward clutch activating position, and a yieldable fulcrum for said lever yieldable under pressure applied through the medium of said lever moving means to compensate for lack of clutch mating while maintaining a bias upon the movable clutch element to shift it to active position when mating occurs.

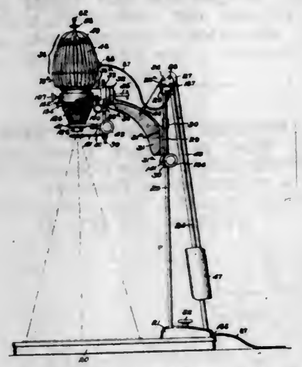
2,294,584
CATALYTIC TREATMENT OF HYDROCARBON OILS
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 30, 1939, Serial No. 252,627
8 Claims. (Cl. 196—49)

3. A conversion process which comprises subjecting heavy hydrocarbon oil to relatively mild cracking under sufficient superatmospheric pressure to maintain a substantial portion thereof in liquid phase and in the presence of a cracking catalyst comprising silica and alumina, separating the thus treated oil into vapors and residue, subjecting the separated vapors to further cata-



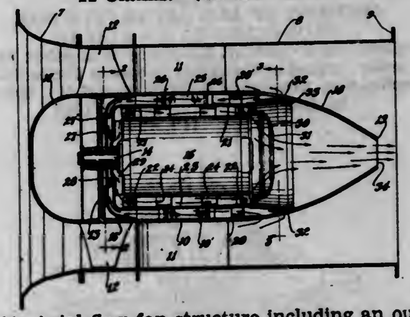
lytic cracking at higher temperature and under lower pressure than and independently of said heavy oil, fractionating the resultant conversion products to form light reflux condensate and a heavier reflux condensate, supplying said heavier reflux condensate to the first mentioned cracking step, and supplying the light reflux condensate to the second mentioned cracking step.

2,294,585
PHOTOGRAPHIC ENLARGER OR PROJECTION PRINTER
John P. Thomson, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application August 13, 1940, Serial No. 352,377
34 Claims. (Cl. 88—24)



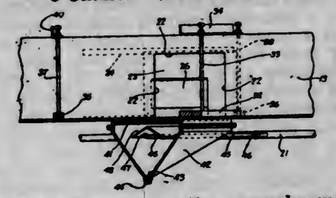
1. A photographic enlarger or projection printer having in combination; an electric light source, a lamp house therefor having a top wall provided with an opening for receiving, and the wall whereof holds in position, said electric light source, light-modifying means mounted at one end portion of said lamp house, supporting means for said lamp house to hold the same with relation to the print, a negative holder and means to maintain it in operative relation to the light-modifying means, said light source including a lamp bulb 65 having a supporting rod 61 extending upward through said opening in the top wall of the lamp house and terminating closely thereabove, and means engaging said rod 61 exteriorly of the lamp house for adjusting the same lengthwise in the lamp house, and electric light wires connected to the light source at a point distinct from said rod 61 and extending out through a side wall of the lamp house with sufficient slack thereof provided within the lamp house to permit vertical adjustment of said rod 61.

2,294,586
AXIAL FLOW FAN STRUCTURE
Theodor H. Troller, Akron, Ohio, assignor to La-Del Conveyor & Manufacturing Company, New Philadelphia, Ohio, a corporation of Ohio
Application August 4, 1941, Serial No. 405,323
11 Claims. (Cl. 230—117)



11. Axial flow fan structure including an outer duct, a streamlined inner fairing having a converging tail at its rear end, a propeller fan rotatably mounted in said duct coaxial with said inner fairing, a motor in said fairing for driving said propeller fan, a series of straightener vanes within said duct immediately behind said propeller fan, said inner fairing being provided behind the propeller fan with an air intake opening adapted for withdrawing air into said fairing from the inner layer of air flowing along the outer surface of the fairing, and means within said fairing for circulating air from the intake opening around the motor and exhausting it through the end of said converging tail.

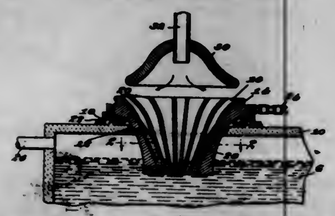
2,294,587
SEPARATOR
Gustave Andre Vissac, Vancouver, British Columbia, Canada
Application February 11, 1941, Serial No. 378,424
8 Claims. (Cl. 209—458)



1. Apparatus for separating granular materials of different specific gravities comprising a sluice box, a vertical longitudinal partition dividing the sluice box into primary and secondary compartments, said partition having at least one opening formed therein at the bottom thereof spaced some distance from the forward end of the box, means for supplying materials to the forward end of the primary compartment, means for supplying water to each compartment, at its forward end, the water in the primary compartment being adapted to stratify the materials before reaching the opening, an inclined riffle on the bottom of the primary compartment extending from the rearward side of the opening towards the forward end of the compartment and outwardly to the opposite side thereof, a screen covering an opening in the bottom of the sluice box in front of the riffle, a receptacle secured to the bottom of the box and underlying the screen, and means for supplying water to the receptacle to flow upwardly through

the screen, whereby the smaller particles of the lower strata of heavier materials collect before the riffle over the screen to be directed by said riffle into the secondary compartment.

2,294,588
METHOD OF AND APPARATUS FOR PRODUCING GLASS FIBERS
Gedeon von Passiczky, Hamburg-Wandsbek, Germany, vested in the Alien Property Custodian
Application November 6, 1939, Serial No. 303,059
In Germany November 15, 1938
7 Claims. (Cl. 49—1)

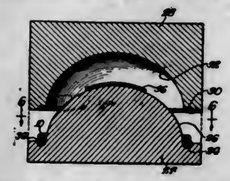


1. Apparatus for producing fibrous glass comprising a tank containing a pool of molten glass, a substantially vertically disposed centrifuging member open at its upper and lower ends and having an outwardly and upwardly tapered conical inner wall, means supporting the member for rotation about a vertical axis with its lower end submerged in the pool, means for rotating the member in one direction, a second centrifuging member surrounding the first member, said second member also having an outwardly and upwardly tapered conical inner wall terminating in an upper edge that is slightly higher than the upper end of the first centrifuging member, means supporting the second member for rotation about a vertical axis, and means for rotating the second member in a direction opposite to the direction of rotation of the first member.

3. The method of producing relatively fine filaments from molten glass which comprises maintaining a stationary supply body of molten glass, causing a mass of molten glass to be drawn upwardly from the supply body and move by centrifugal force as a layer over the interior surface of a rotating open-ended vertically disposed hollow centrifuging member above said supply body and partly submerged therein, while maintaining the continuity of said mass of molten glass with said supply body, and causing the layer of molten glass within the member to be reduced in thickness as it moves upwardly and be thrown outwardly from the upper edge of the member into surrounding atmosphere while simultaneously applying heat to the mass of glass within the centrifuging member, thereby attenuating the glass into fine fibers.

2,294,589
METHOD FOR MAKING RUBBER ARTICLES
Carl C. Waterbury, Chicago, Ill.
Application February 13, 1939, Serial No. 256,151
4 Claims. (Cl. 18—59)

1. A method of forming a dome-shaped rubber article having a spirally coiled metallic ring embedded therein, including the steps of placing a mass of rubber in the rim-forming cavity of a mold element having a lower rim-forming cavity and a dome-forming portion positioned centrally with respect to said cavity, placing the metallic ring upon the mass, separated from the bottom of the cavity thereby, placing another mass of rubber on the dome-forming portion of the mold element, and then pressing a complementary mold element against the first mentioned mold element and simultaneously heating the materials where-

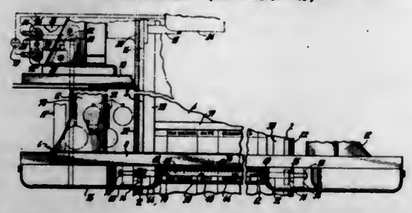


by the rubber is forced between the spiral elements of the ring and the ring is embedded in the first mass and surrounded by rubber, and the second mass of rubber is spread evenly over the dome portion and into contact with the first mass on all sides.

2,294,590
ALKYD RESINS COMBINED WITH AMINO-TRIAZINE-ALDEHYDE RESINS
Herbert John West, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 18, 1939, Serial No. 257,101
12 Claims. (Cl. 260—42)

1. A method for the production of synthetic resins which comprises dissolving an incompletely polymerized aminotriazine-aldehyde condensation product in a solvent selected from the group consisting of glycerine and higher fatty acid mono-glycerides and reacting the solution with phthalic anhydride at temperatures above 180° C. until a resin of low acid number is obtained.

2,294,591
RECORD MAKING MACHINE
Elmer L. Wise, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application August 2, 1940, Serial No. 349,728
4 Claims. (Cl. 197—2)

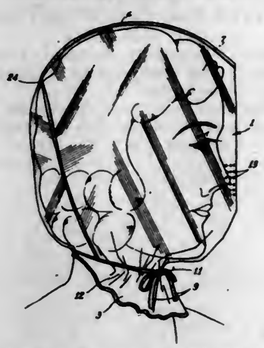


1. A record making machine comprising type bar mechanism, a platen frame, a substantially flat platen mounted for vertical movement in said frame, a line space frame having a front rail and movable forwardly and rearwardly on the platen frame, a carriage for the type bar mechanism mounted on the line space frame and movable laterally on said frame in letter spacing direction and return, a motor, a circuit for the motor, a label carrying bail movably mounted on the forward side of the front rail and extending along said rail transversely of the line space frame for controlling the motor circuit, means for supporting the bail on said rail for application to the rail and removal from the rail merely by manipulation of the bail and a label mounted on the bail in predetermined position longitudinally of the bail.

2,294,592
PREPARATION AND PURIFICATION OF NITRATED PENTAERYTHRITOLS
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.
No Drawing. Application April 29, 1940, Serial No. 332,266
4 Claims. (Cl. 260—467)

1. The process for the preparation of pentaerythritol nitrates comprising nitrating a mixture of pentaerythritol and dipentaerythritol in concentrated nitric acid, the ratio of pentaerythritols to nitric acid and the strength of the nitric acid being such that the spent acid produced by the nitration is greater than 75% HNO_3; adding water to this nitration mixture, stirring, then filtering off the pentaerythritol nitrates formed, washing with water and stabilizing.

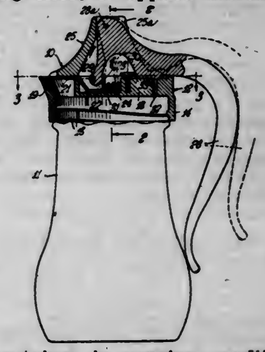
2,294,593
HEAD AND FACE PROTECTOR
Jessie M. Bailey, Los Angeles, Calif.
Application November 4, 1940, Serial No. 364,103
3 Claims. (Cl. 2—174)



1. A protector for preserving a woman's hair and make-up intact when trying on a garment, consisting of a hood formed of one piece of flimsy material, said hood having a seamless front with two side portions, said side portions having upper edges located above the level of the wearer's eyes and connected together in a seam extending rearwardly from the forward and upper portion of the hood, the said edges being unattached at the rear so as to form two flaps, said flaps having tying cords to be tied under the wearer's chin.

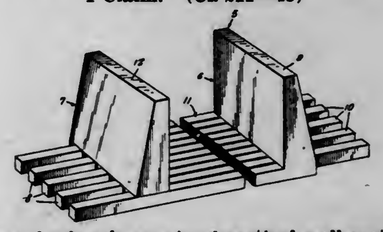
2,294,594
DISPENSER
Samuel Bloomfield, Chicago, Ill.
Application November 1, 1939, Serial No. 302,337
3 Claims. (Cl. 65—31)

1. In a dispensing unit for open top containers normally closed by a removable cover, a dispensing device including a cover member having a dispensing opening formed therein, a closure member arranged in said cover for slidable movement back and forth into and out of closing position relative to said opening, spring means arranged in said cover member and normally adapted to urge said closure member into closing position relative to said dispensing opening, a trunnion formed on said cover member above said closure member and providing an axis arranged transversely of the direction of movement of the closure member, a handle pivotally mounted at the axis provided by said trunnion and adapted to rotate on said axis relative to the cover member, and an offset cam lever on said handle and extending radially from the pivotal axis therefor into operative engagement with said closure member whereby when said handle is grasped to lift the dispensing unit and a tilting effort is applied thereto to dis-



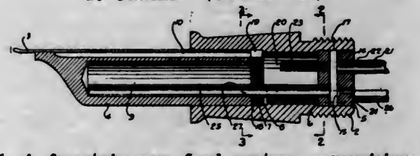
pose the container in pouring condition, said container and handle will pivot relative to each other by force of gravity against the action of said spring to urge said closure member out of closing position relative to said dispensing opening.

2,294,595
ADJUSTABLE BOOK RACK
Myron L. Dice, West Lafayette, Ind.
Application March 18, 1941, Serial No. 384,001
1 Claim. (Cl. 211—43)



In a bookrack, a pair of vertical wall sections, each of the said sections having an increasing transverse taper from the top to the bottom edge, the relatively thick bottom edge portion of each section having transverse grooves in the underside defining spaced transverse projections, and a strip formed integral with and extending longitudinally in one direction from each projection laterally of each end wall section, the said strips of the respective sections being disposed to assume alternate parallel positions in slidable association with one another and the said grooves.

2,294,596
FOUNTAIN PEN
Kenneth Dole, Melrose, Mass.
Application August 6, 1940, Serial No. 351,570
19 Claims. (Cl. 120—47)



1. A fountain-pen feed system comprising a feed duct, a flow divertor, air-retention means for

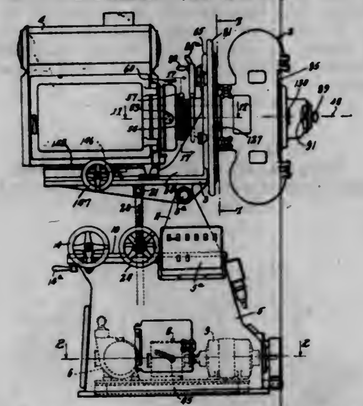
the flow divertor, an overflow reservoir, an overflow conduit, and an air-vent for the overflow reservoir; in which the feed duct leads from the pen reservoir to the flow divertor, and thence to the writing-point; in which the flow divertor is situated between the pen reservoir and the overflow reservoir and comprises an abrupt wall terminating the upper section of the feed duct, and a chamber containing the wall, out of which leads the lower section of the feed duct; in which the air-retention means for the flow divertor leads from the pen reservoir to the flow divertor and comprises a duct additional to the upper section of the feed duct; in which the overflow reservoir lies alongside the feed duct; in which the overflow conduit leads from the pen reservoir to the overflow reservoir.

2,294,597

BACKGROUND PROJECTOR

Albert Arnold Gillespie, West Los Angeles, Fred Hauser, Culver City, and Anthony G. Wise, Los Angeles, Calif., assignors to Loew's Incorporated, a corporation of Delaware

Application May 22, 1939, Serial No. 274,910
4 Claims. (Cl. 88—17)



1. A background projector including a base member, a projector head mounted by said base member and containing film and shutter moving mechanism driven by an electric motor, an electric distributor connected with said electric motor for driving the same synchronously with respect to the speed of said distributor, a constant speed motor for driving said distributor within said base, gear means connecting said latter motor and distributor including a plurality of spur gears in spaced relation, idler gears slidably mounted for selective contact with said spur gears, a shifting lever for moving said idler gear for establishing various speed changes between said latter motor and distributor, means for latching said lever in each of its various speed control positions, and means associated with said lever for indicating the speed of the film and shutter moving mechanism established by the positions of said lever.

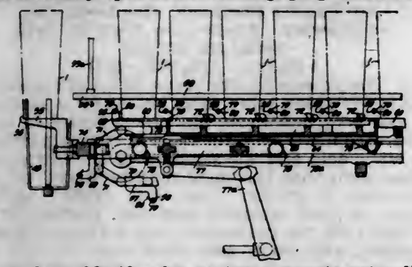
2,294,598

CONVEYER FOR USE WITH MACHINES FOR PROOFING CARTONS AND THE LIKE

Carl Wilhelm Hartmann, Lyngby, near Copenhagen, Denmark, assignor to Satona Limited, Edinburgh, Scotland

Application April 27, 1940, Serial No. 332,029
In Great Britain May 26, 1939
5 Claims. (Cl. 91—53)

1. Conveying means for transferring cartons and the like from waxing or coating means comprising an endless conveyer with an upper conveying track and provided with a plurality of equidistantly spaced carton engaging abutments,



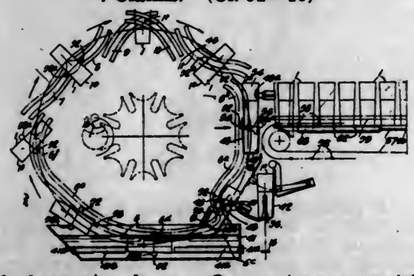
a number of knife edge carton supports extending along the carton base supporting plane, and means adapted to scrape the bases of the conveyed cartons arranged subjacent to said upper track.

2,294,599

APPARATUS FOR PROOFING CARTONS AND THE LIKE.

Carl Wilhelm Hartmann, Lyngby, near Copenhagen, Denmark, assignor to Satona Limited, Edinburgh, Scotland

Application April 27, 1940, Serial No. 332,034
In Great Britain May 24, 1939
7 Claims. (Cl. 91—46)



1. Apparatus for proofing cartons comprising a rotary conveying structure, a plurality of carton supports carried by said structure and arranged to be traversed in a substantially circular endless path by the conveying structure, a wax bath subjacent to said structure adapted to receive the cartons at the lowest point of their travel, means imparting orbital movements to the carton supports during their travel, carton collecting means above the bath adapted to receive the coated cartons and means in juxtaposition to the bath and immediately subjacent to said collecting means to feed non-coated cartons into empty holders.

2,294,600

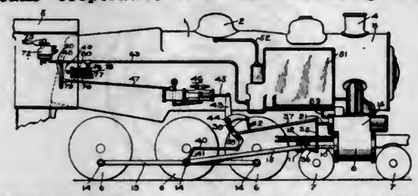
RAILWAY VEHICLE BRAKE

Ellis E. Hewitt, Edgewood, and Burton S. Aikman, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application October 31, 1940, Serial No. 363,592
31 Claims. (Cl. 303—2)

1. A brake arrangement for a driver wheel of a steam locomotive having a reciprocatory piston connected to said wheel and operative by steam alternately supplied first to one trailing side of the piston and then to the opposite trailing side when steam is vented from the leading side of

the piston to effect rotation of said wheel for propelling said locomotive, and reversing valve means operative automatically in accordance with the reciprocation of said piston to effect said alternate supply of steam to and the venting of the opposite faces of said piston, said brake arrangement comprising brake control means cooperative with said reversing valve



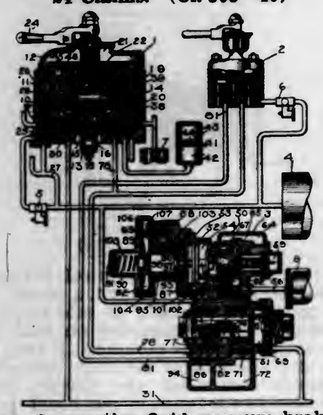
means to reverse the order of steam supply to the opposite faces of said piston and to close the vent from the side of said piston opposite that to which steam is supplied to thereby render said piston operative to oppose rotation of said wheel, and a brake device controlled by the engineer for cutting said brake control means either into or out of operation.

2,294,601

LOCOMOTIVE BRAKE EQUIPMENT

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 31, 1940, Serial No. 372,456
24 Claims. (Cl. 303—40)



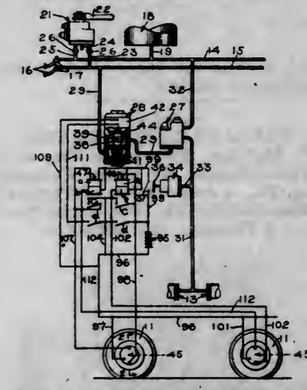
1. In a locomotive fluid pressure brake equipment, in combination, a brake pipe, a brake cylinder device, a distributing valve device of a No. 6-ET locomotive brake equipment comprising an equalizing portion and an application portion having an application cylinder, and a delay valve device replacing the usual cover over said cylinder, said equalizing portion being operative upon a reduction in pressure in said brake pipe to supply fluid under pressure to an application passage for supply to said application cylinder to effect operation of said application portion to supply fluid under pressure to said brake cylinder device to apply the locomotive brakes, said delay valve device comprising a spring, a movable abutment subject to the opposing pressures of said spring and of the pressure of fluid in said passage, and valve means controlled by said abutment controlling communication between said application cylinder and said application passage and an atmospheric vent port, said abutment being operative upon an increase in pressure in said passage sufficient to overcome said spring to effect operation of said valve means to open said application cylinder to said application passage and when the pressure of fluid in said application passage is of a less degree to operate said valve means to open said application cylinder to said atmospheric vent port.

2,294,602

BRAKE CONTROL SYSTEM

Claude M. Hines, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Original application March 29, 1941, Serial No. 385,887. Divided and this application June 28, 1941, Serial No. 400,157
11 Claims. (Cl. 303—21)



1. Control apparatus for the brakes associated with the wheels of a vehicle, of the type including means under the control of the operator for effecting application and release of the brakes, comprising in combination, a pair of electrical relays, means associated with a wheel of the vehicle and effective during a brake application to cause continued pick-up of only a certain one of said relays as long as the wheel does not slip and pick-up of both of said relays only in response to a slipping condition of the wheel, and means controlled jointly by said pair of relays and effective to cause a continued reduction in the degree of application of the brakes independently of the operator of the vehicle so long as both of said relays are picked-up simultaneously.

2,294,603

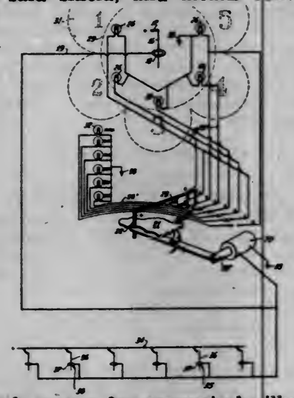
OBJECTIVE INDICATOR FOR GAME APPARATUS

Jerry C. Koci, Chicago, Ill., assignor to Chicago Coin Machine Mfg. Co., Chicago, Ill., a corporation of Illinois

Application November 22, 1940, Serial No. 366,519
1 Claim. (Cl. 273—118)

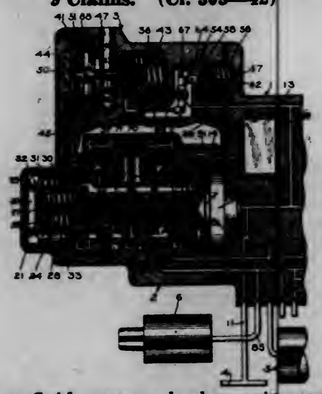
In a game objective indicator the combination with a game board down which balls are adapted to gravitate, of a bumper switch structure supported by the board and including a transparent switch actuating peripheral shield disposed above the board in spaced parallel relation with respect thereto and adapted to be engaged by said balls, switch means actuated by said shield when the latter is engaged by a ball, a plurality of indicia means circumferentially arranged on said board adjacent said shield; illuminating means for each

of said indicia means and supported by the board beneath said shield, and means controlled by



said switch means for successively illuminating said illuminating means.

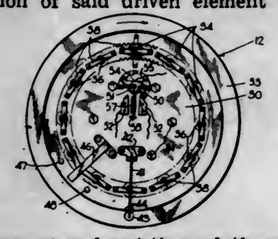
2,294,604
FLUID PRESSURE BRAKE
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 24, 1940, Serial No. 362,559
9 Claims. (Cl. 303—42)



1. In a fluid pressure brake equipment of the type adapted to effect either a service or an emergency application of the brakes and comprising a brake pipe normally charged with fluid under pressure and quick action valve means operative upon an emergency reduction in brake pipe pressure to effect a quick action reduction in brake pipe pressure, in combination, a passage through which the quick action venting of fluid from the brake pipe is accomplished, a valve normally closing said passage, and pressure responsive means controlled by brake pipe pressure and movable only upon a chosen amount of reduction in brake pipe pressure regardless of the rate of brake pipe reduction to open said valve.

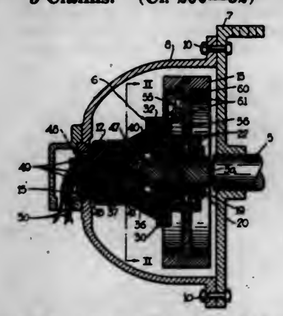
2,294,605
ROTARY INERTIA CONTROL DEVICE
George K. Newell, near Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 28, 1941, Serial No. 381,047
15 Claims. (Cl. 200—52)

1. An inertia responsive control mechanism comprising a rotary driving element, a rotary driven element mounted coaxially of said driving element and adapted for movement relative thereto under a torque caused by inertia, magnet means cooperative with said elements for effecting rotation of said driven element with said



driving element and resisting relative movement between said two elements, and movably mounted control means constructed and arranged for operation in response to such relative movement of said driving element with respect to said driven element.

2,294,606
INERTIA OPERATED DEVICE
George K. Newell, near Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 31, 1941, Serial No. 404,810
5 Claims. (Cl. 200—52)

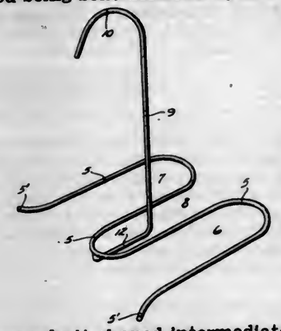


1. An inertia responsive control device comprising a rotary driving element, a rotary inertia element journaled coaxially of said driving element, magnet means mounted on said driving element, magnet means mounted on said inertia element and disposed in magnetic opposition to said magnet means on the driving element, whereby said two magnet means coact to maintain a yieldable driving force through which the driving element normally effects rotation of the inertia element, and switch means operable upon relative rotary movement between said elements in response to a sudden change in the speed of said driving element.

2,294,607
BOOT HANGER
Chester E. Peck, La Crosse, Wis., and Joseph B. Bambenek, Winona, Minn.; said Bambenek assignor to said Peck
Application December 5, 1941, Serial No. 421,738
4 Claims. (Cl. 211—34)

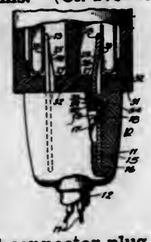
3. A boot hanger comprising a resilient wire-like rod bent to form a pair of horizontally disposed boot-receiving forks connected by a reversely opening intermediate fork, and a hanger rod extended vertically upward from the central portion of said holder and provided at its upper

end with a hanger hook, the lower end of said hanger rod being bent horizontally forward with-



in the reversely U-shaped intermediate fork and connected to the intermediate front portion of said wire-forming holder.

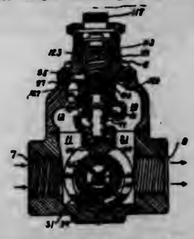
2,294,608
ELECTRICAL CONNECTOR
Walter A. Rudolphsen, Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 3, 1940, Serial No. 355,168
5 Claims. (Cl. 173—361)



1. An electrical connector plug of the class described, comprising, in combination, a body member of resilient stretchable material, a pair of flat contact prongs supported at their inner ends within said body member and projecting outwardly therefrom, each of said prongs having an integral free-ended cut-out spring tongue extending rearwardly from the outer end thereof and bent out of the plane of the prong to lie at a small angle thereto; the rear free end portions of said tongues lying within the front end of said body member and adapted to thrustingly engage opposite sides of said body member when pressed in towards their respective prongs, said pressing in of the spring tongues being effected by a sliding wedge engagement of said tongues with the socket openings and being opposed by the combined spring resistance of said tongues and the resistance to stretching of said body member acting on the free ends of said tongues.

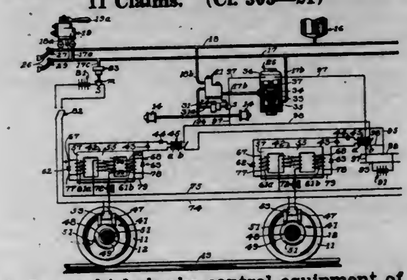
2,294,609
PUMP
Arthur G. Schlosser, Detroit, Mich., assignor to Candler-Hill Corporation, a corporation of Michigan
Application October 21, 1940, Serial No. 362,051
12 Claims. (Cl. 103—42)

1. In a fuel pump the combination of, a casing having a fuel inlet port and a fuel outlet port, a pump within said casing for effecting a transfer of fluid through the casing from the inlet port to the outlet port, said casing being provided with passage openings through which fluid may be transferred between said ports in shunt with said pumping means, pressure balanced valve means in said passage for restricting the flow of fluid therethrough and said valve means being balanced for variations of pressures in both the inlet port and the outlet port, discharge pressure



responsive actuator means exposed to the discharge pressure in the outlet port from said pump, and means connecting said discharge pressure responsive actuator means to operate the valve means for returning pumped fluid from the outlet port to the inlet port to regulate the pressure of the fluid delivered by the pump to a substantially constant value.

2,294,610
BRAKE CONTROL APPARATUS
Andrew J. Sorensen, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 16, 1941, Serial No. 402,606
11 Claims. (Cl. 303—21)



1. In a vehicle brake control equipment of the type in which the brakes associated with the vehicle wheels are applied and released under the control of the operator, the combination of an induction generator associated with a wheel of the vehicle and adapted to supply an alternating voltage varying in frequency and amplitude substantially in proportion to the rotational speed of the wheel, a transformer device having a primary winding energized by the alternating voltage supplied by the induction generator and two secondary windings inductively related to the primary winding and in which substantially equal voltages are induced, a first asymmetric device connected in shunt relation to one of said secondary windings to provide a low-resistance short-circuit path therearound only during one half-portion of a given alternating-current voltage cycle, a second asymmetric device arranged in shunt relation to the other of said secondary windings to provide a low-resistance short circuit path therearound only during the other half-portion of said given alternating-current voltage cycle, said secondary windings being so connected in opposition and the arrangement being such that a potential difference of constant polarity is established across

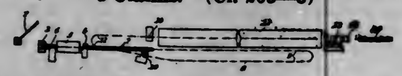
one terminal of said one secondary winding and the corresponding terminal of the said other secondary winding which potential difference varies substantially in proportion to variation in the rotational speed of the vehicle wheel, and means controlled in response to variation of the potential difference across the said terminals of the said secondary windings for controlling the degree of application of the brakes associated with the vehicle wheel.

2,294,611

HANDLING AND TREATMENT OF SKELP OR THE LIKE

August J. Wagner, Wheeling, W. Va., and Clarence H. Verwohlt, St. Clairsville, Ohio, assignors to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware

Application October 4, 1940, Serial No. 359,650
8 Claims. (Cl. 263—3)



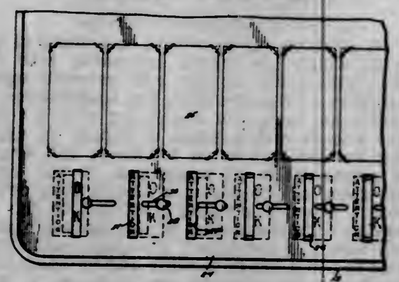
1. A method of threading skelp or the like into a furnace of such length that unstiffened skelp whose length is at least as great as the length of the furnace would loop up if attempted to be advanced through the furnace solely by pushing it from the end of the furnace at which it enters comprising introducing into an end of the furnace skelp whose length is at least as great as the length of the furnace, advancing the skelp through the furnace solely by pushing it from the end of the furnace at which it enters and imparting to the skelp sufficient longitudinal stiffness so that it can be thus advanced without looping up until the front end of the skelp has passed through the furnace but while the skelp is still in generally flat as distinguished from generally tubular form.

2,294,612

BUDGET BANK

Earnest F. Wilkinson, Aurora, Ill.

Application March 26, 1941, Serial No. 385,367
1 Claim. (Cl. 232—4)



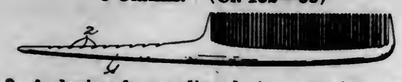
A budget bank comprising a till having compartments therein for coins, a cover plate for the till having slots therein for the deposit of coins therethrough into said compartments, and slides for closing and opening said slots adjustable on said plate into different positions and having slots therein for registration with the slots in the cover plate in one position of said slides and provided with different data thereon upon opposite sides of the slots therein for display through the slots in said plate in other positions of said slides in which the slots in said slides are out of registration with the slots in said cover plate.

2,294,613

DEVICE FOR CURLING HAIR

Herbert A. Winkelmann, Chicago, Ill.

Application March 31, 1941, Serial No. 385,992
3 Claims. (Cl. 132—35)



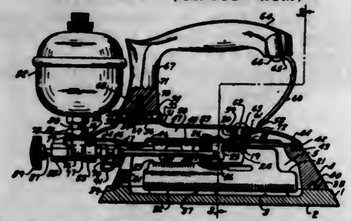
3. A device for curling hair comprising a rod having a handle containing comb teeth on one end and on the other end a succession of slanting grooves wider than they are deep along a major proportion of the length of that part of the rod which is adjacent the comb teeth, said grooves all slanting in one general direction from the surface of the rod toward the axis of said rod.

2,294,614

FLATIRON

Boyd W. Tullis, Wichita, Kans., assignor to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation of Kansas

Application April 3, 1940, Serial No. 327,643
12 Claims. (Cl. 158—23.2)



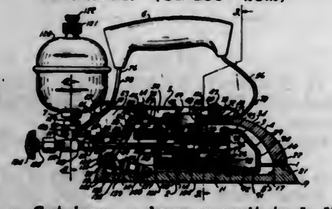
8. An iron of the character described including, an open top body forming a burner chamber, a fixture plate covering the burner chamber and closing the open top of said body, a burner suspended within the burner chamber from the fixture plate and having a bunsen provided with an air inlet opening directly connected with an air inlet opening in the fixture plate, and a shell plate mounted on the fixture plate and cooperating therewith to form an air passageway between said plates separate from the burner chamber, said shell plate having an air inlet opening spaced from the air inlet of the bunsen for admission of air to the air passageway for supplying the bunsen of the burner, whereby operation of the burner effects positive movement of air through said passageway to cool the shell plate.

2,294,615

SELF-HEATING FLATIRON

Boyd W. Tullis, Wichita, Kans., assignor to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation of Kansas

Application August 17, 1940, Serial No. 353,077
12 Claims. (Cl. 158—23.2)



1. In a flat-iron, a burner unit including an air inlet tube, a mixing chamber, a burner tube projecting transversely through the air inlet tube

to be cooled by air passing through the air inlet tube, said burner tube being connected with the mixing chamber on one side of the air inlet tube and having downwardly facing jets on the opposite side of the air inlet tube, and an air tube connecting the air inlet tube with the mixing chamber at a point below the burner tube to supply the mixing chamber.

8. In a flat-iron, a sole plate, a shell carried on the sole plate and cooperating therewith to form a burner chamber, a burner unit suspended within said chamber including an upper secondary burner and a lower main burner, a generator tube for supplying fuel to the burner unit and extending between said main and secondary burners, and a priming pan supported in inclined position on the sole plate so that when the iron is placed on an incline the pan is substantially level whereby the flame resulting from burning fuel in the priming pan plays along the generator tube and against the burners of the burner unit.

2,294,616

DEGRADATION PRODUCTS CONTAINING CARBOXYL GROUPS FROM COMPOUNDS OF THE ESTRANE SERIES CONTAINING AT LEAST ONE DOUBLE BOND IN RING B

Walter Hohlweg, Hohen-Neuendorf, near Berlin, and Hans Herloff Inhoffen, Berlin-Wilmersdorf, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application January 19, 1940, Serial No. 314,724. In Germany January 19, 1939
11 Claims. (Cl. 260—397.1)

1. Process for the manufacture of degradation products containing carboxyl groups from 17-keto compounds of the estrane series, unsaturated in ring B of the molecule, wherein the starting material is subjected to the action of an oxidizing agent until a cyclic carboxylic compound wherein the D ring has been ruptured is produced.

2,294,617

GARMENT AND CLOSURE THEREFOR

Oscar Horowitz, New York, N. Y.

Application January 29, 1941, Serial No. 376,436
2 Claims. (Cl. 24—201)



1. In a garment closure comprising interfitting tongues and slits, a tongue comprising two layers of fabric initially superposed over each other and having an elongated shank and a widened portion at its head, a layer of fusible fabric superposed over the said widened head portion and having lateral extensions folded around to the reverse side of said head portion, said extensions being of an extent so that they leave the reverse side of said widened head portion uncovered at its midportion, stitching uniting said layers along all edges except at the end of the shank, and said tongue being completed by turning the assembly inside out and fusing the fusible fabric to the other fabric.

2,294,618

ASH TRAY

Felix A. Joseph, Hillsborough, Calif.

Application April 26, 1941, Serial No. 390,549
3 Claims. (Cl. 131—235)

1. An ash receptacle having a bottom portion, a peripheral wall, a plurality of parallel ribs integral with the bottom portion forming a plurality of straight grooves for the reception of cigarette butts, said grooves having a depth not



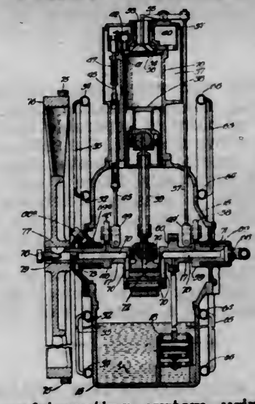
less than three-fourths of the diameter of a cigarette and being curved at the ends to facilitate cleaning and said peripheral wall being higher than the said ribs.

2,294,619

REFRIGERATING APPARATUS

Edward L. Kastler, Racine, Wis., assignor of one-half to Paul S. Mantonya, Chicago, Ill.

Application December 20, 1940, Serial No. 371,014
8 Claims. (Cl. 62—136)



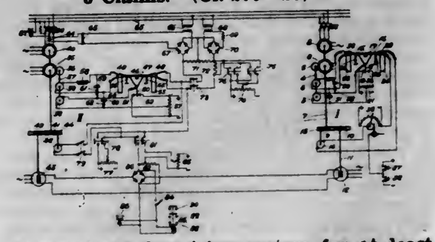
6. In a refrigerating system using air as a refrigerant, means for controlling the passage of air through the system comprising valve means, a drive shaft and operating connections from the shaft to the valve means, in combination with means for removing water from the air and means for conducting said water to the shaft and operating connections to lubricate the same.

2,294,620

ARRANGEMENT FOR THE DRIVE OF ROTARY PRINTING PRESSES

Carl Kiessling and Aage Garde, Vasteras, Sweden, and Nils J. E. Haglöf, Wanstead, London, England, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden

Application May 27, 1939, Serial No. 276,138
In Sweden April 25, 1938
3 Claims. (Cl. 270—20)



1. A speed synchronizing system for at least

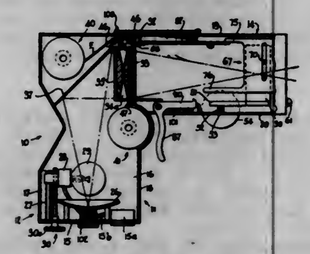
two machines comprising a driving motor for each machine, a tachometer generator and an asynchronous motor for each driving motor and adapted to be driven thereby, one asynchronous motor being a double pole motor, and means for regulating the speed of one driving motor in response to the voltage difference between its tachometer generator and the voltage difference between the asynchronous motors.

2,294,621
MOLDER
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 7, 1937, Serial No. 157,906
6 Claims. (Cl. 18—35)



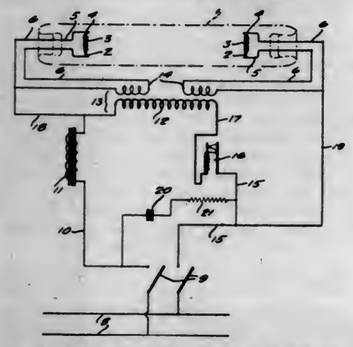
6. Apparatus for vulcanizing hollow rubber articles having tubular inflating stems comprising a series of pairs of separable mold sections stacked one above another, the sections of each pair having generally horizontal meeting faces formed to cooperatively define a cavity for one of the articles, a passage extending through the uppermost section of each pair to receive the inflating stem of an article disposed in the cavity of such pair, and each pair of sections being so formed and arranged as to receive the end of the inflating stem projecting upwardly from the passage of a lower pair of sections.

2,294,622
CAMERA AND PROJECTOR APPARATUS
Charles Langberg and Georgi A. Ffoulkes, New York, N. Y.
Application August 16, 1939, Serial No. 290,439
9 Claims. (Cl. 88—28)



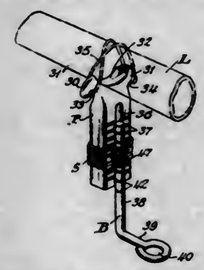
1. In a camera, a casing, shutter mechanism therein comprising a pivoted, apertured shutter plate, a pivoted shutter operating arm connected to said plate by a torsion spring, a member mounted in said casing for up and down sliding movement and having a pin and slot connection with said arm, said member having a pair of spaced fingers, a mirror pivoted within said casing and adapted to engage one finger when swung in one direction to move said member upwardly, and to engage the other finger to move said member downwardly, spring means to move said mirror in one direction, and a handle on the outside of said casing and fixed to said mirror for swinging said mirror in an opposite direction.

2,294,623
LOW VOLTAGE GASEOUS TUBE LAMP AND ELECTRICAL CIRCUITS THEREFOR
Paul François Lebrun, Astoria, N. Y., assignor of one-half to Peter Synek, Astoria, N. Y.
Application January 25, 1940, Serial No. 315,489
11 Claims. (Cl. 176—124)



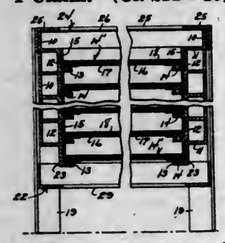
1. In combination, a gaseous tube electric lamp including a heating element and an anode at each end of said tube the heating elements and the anodes being respectively connected together at one point, a choke coil, leads connecting said anodes with a source of electric power the said choke coil being connected in series in one of said leads, a transformer consisting of a primary and two secondary coils, the said coils being conductively separate, leads connecting the said secondaries respectively with the said heating elements, leads connecting the said primary with said power, one of said leads being through the said choke coil, and means for automatically disconnecting the other lead from said power after an interval of time, whereby the said heating elements heat up the said tube and whereby the high voltage transitory currents produced by said disconnecting are applied to said anodes.

2,294,624
ADJUSTABLE ELEVATION POST AND INSULATOR CONSTRUCTION
Samuel C. Miller, New York, N. Y.
Application May 25, 1940, Serial No. 337,193
9 Claims. (Cl. 248—50)



1. In a connecting means for mounting luminous gaseous discharge tubes on a backing, a bracket adapted for attachment to the backing, a post adapted to seat a luminous gaseous discharge tube, and resilient means to frictionally grip said post and said bracket, and to permit bodily swivelling of the bracket relatively thereto, pivot points whereof being eccentric to said post, and to permit axial adjustment of said bracket and said post therein.

2,294,625
DISPLAY RACK FOR RUGS
Dean Mori, Belle Vernon, Pa.
Application June 18, 1941, Serial No. 398,667
1 Claim. (Cl. 211—46)



A display rack for rugs comprising two side walls one at each side of the rack formed of a plurality of superposed stepped units, each unit having a vertical riser, a horizontal tread, a second vertical riser extending downwardly from the tread, and a second horizontal tread extending from the bottom of the second vertical riser, the units being stacked one upon the other with the vertical risers engaging the horizontal treads in such manner that the vertical risers are in parallel planes in said side walls, rollers on the lowermost horizontal treads of the units, a plurality of trays including vertical walls engaging the risers of respective units and horizontal flanges supported upon said rollers, a plurality of transversely disposed slats supported at the ends upon the flanges of the trays, said trays being open at the ends and adapted to be withdrawn endwise from the rack to display position, and a frame supporting the stepped side walls.

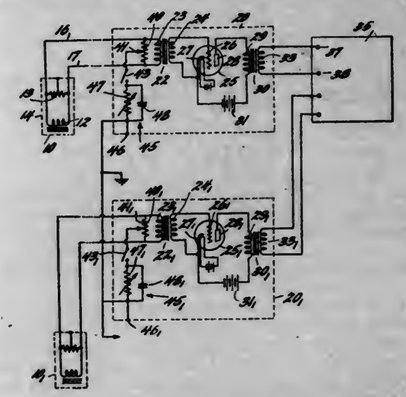
2,294,626
NONSKID TIRE
Max C. Overman, New York, N. Y.
Application December 29, 1938, Serial No. 248,185
2 Claims. (Cl. 152—209)



1. A tire tread comprising circumferentially extending ribs inclined inwardly toward the top, each of said ribs having a multiplicity of lateral projections spaced from one another by short intervals around the entire length of said rib, said lateral projections extending to within a short distance from the adjoining rib with inwardly inclined side walls, and other circumferentially extending ribs inclined outwardly, from the base to the top, positioned in spaces between the said ribs having inwardly inclined side walls and between the said lateral projections extending into the said spaces between said ribs with inwardly inclined side walls, said lateral projections extending laterally beyond the side walls of said ribs having their widest portion adjacent to the tread surface.

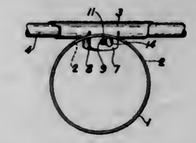
2,294,627
SEISMIC SURVEYING
Josephus O. Parr, Jr., San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application March 31, 1941, Serial No. 386,174
6 Claims. (Cl. 177—352)

4. In a system for use in seismic surveying, said system being subject to extraneous A. C. disturbance, and including a plurality of seismometers, a separate signal amplifier for each seismometer, and conductors for signal energy extending between each seismometer and the amplifier therefor, the combination with means connecting said amplifiers for introducing in a first amplifier an A. C. component derived from the extraneous disturbance in another amplifier,



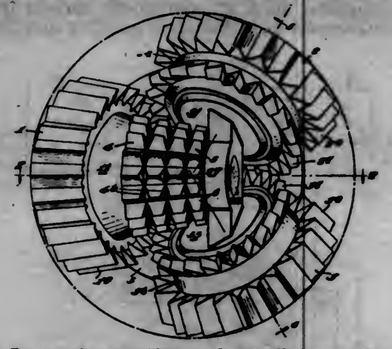
said last named means including a phase shifting device, of means including a potentiometer associated with the input of said first amplifier and connected to said phase shifting device for regulating the magnitude of the component thus introduced, whereby the component so introduced in an amplifier may be adjusted to oppose and substantially balance out the extraneous disturbance in such amplifier.

2,294,628
FASTENING MEANS
Alphonse F. Pieper, Brighton, N. Y.
Application January 5, 1942, Serial No. 425,620
12 Claims. (Cl. 248—73)



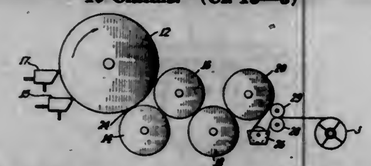
12. The combination with a cylindrical tubular support having an elongated opening with straight sides and curved ends in its wall, said opening being inclined to the longitudinal axis of the support, of a cylindrical member seated in said opening, said member including centrally arranged and oppositely disposed spaced lugs extending through said opening and located adjacent to the straight sides thereof, tubular ends on opposite sides of said lugs, tubes having their inner ends mounted in said tubular ends of said member, lamp sockets mounted on the outer ends of the tubes, and a fastening device including a reduced outer end guided in an opening in one of said lugs and a threaded enlarged inner end portion having engagement with a threaded opening in the other lug, the ends of the fastening device engaging the curved inner periphery of the support on opposite sides of its longitudinal axis and acting to retain the member on the support.

2,294,629
EARTH BORING TOOL
Clarence E. Reed, Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application February 26, 1940, Serial No. 320,955
9 Claims. (Cl. 255—71)



3. In a rotary cutter and spindle assembly for an earth boring drill, a roller cutter having a bore extending through said cutter and mounted on a spindle, the axis of which inclines to the axis of the drill, anti-friction roller bearings between said cutter and spindle at the high end of said inclined spindle and at the lower end portion of said spindle a cylindrical roller bearing of larger diameter than said anti-friction roller bearing, and end thrust frictional bearing surfaces on the cutter and the spindle.

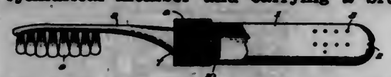
2,294,630
PROCESS AND APPARATUS FOR PRODUCING ELASTIC FILAMENTS
Frank H. Reichel and Arthur O. Russell, Fredericksburg, Va., assignors to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application March 29, 1940, Serial No. 326,570
19 Claims. (Cl. 18—8)



14. An apparatus for forming filaments comprising means for forming an elastic filament and means for receiving and supporting the elastic filament while advancing the filament so as to stretch the filament between the forming means and the advancing means, the length of filament supported by both the forming means and the advancing means being greater than the length of the filament suspended between said means and the length of filament supported between said means being of the order of three-sixteenths of an inch.

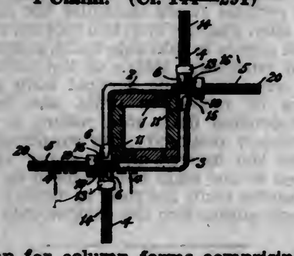
2,294,631
TOOTHBRUSH
John Rocca, Graterford, Pa.
Application September 8, 1941, Serial No. 410,105
1 Claim. (Cl. 15—124)

A tooth brush, comprising a hollow cylindrical handle closed at one end and having an enlarged internally threaded opposite end, an internal flange at the junction of the handle and the enlarged internally threaded end, an externally threaded cylindrical member of a length equal to that of the enlarged internally threaded end of the handle, a shank carried by one end of the cylindrical member and carrying a brush,



and an operating knob carried by the opposite end of the cylindrical member and of a diameter less than the bore of the handle, whereby the cylindrical member may be screwed wholly within the handle in either position with the cylindrical member engaging the internal flange and locked by friction against the same.

2,294,632
CLAMP FOR COLUMN FORMS
Tamis C. Schenk, Brooklyn, N. Y., assignor to Richmond Screw Anchor Co., Inc., Brooklyn, N. Y., a corporation of New York
Application March 14, 1941, Serial No. 383,291
1 Claim. (Cl. 144—291)

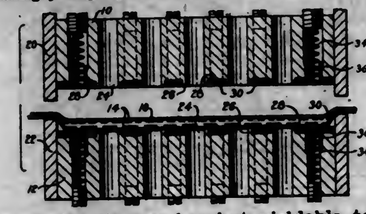


A clamp for column forms comprising, a rod bent to form it into two leg portions disposed at right angles to and in fixed relation to one another, said legs being adapted to embrace two sides of a four-sided column form, a similarly shaped rod adapted to embrace the two remaining sides of the form whereby said two rods completely surround the four-sided form, the end portions of the first rod crossing at right angles the end portions of the second rod, a clamping member disposed on the rods at their points of crossing, only two of said clamping members located at diagonally opposite corners of the form being required to hold the two rods completely about the form, each clamping member having a tubular part formed with a bore through which an end portion of one of the rods extends, said clamping member also having an open-sided slot wholly disposed to one side of the bore whereby the end portion of the other rod extends through said slot and crosses that which extends through the bore, means on the rods for adjusting the same through the clamping member, and angular surfaces on each clamping member for abutment against two sides of the column form.

2,294,633
CAPSULE FORMING APPARATUS
Robert P. Scherer, Detroit, Mich.
Application July 16, 1940, Serial No. 345,805
5 Claims. (Cl. 18—19)

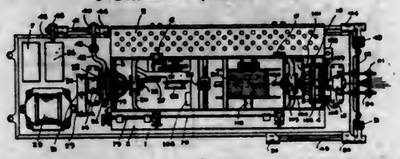
1. Apparatus for use in the manufacture of capsules including, in combination, a die member having a plurality of capsule forming cavities in the face thereof, an elevated ledge projecting from the face around each capsule forming cavity, plate means of less thickness than the height to which said ledges project disposed throughout

the area of the face outside of the ledges and the cavities which they surround, and spring means yieldingly urging said plate means away from the



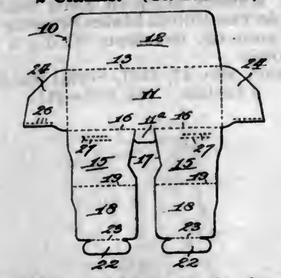
face of the die member but yieldable to allow the plate to retract to a position recessed back from the projecting ledges.

2,294,634
STRANDING MACHINE
Roger M. Scott and William F. Richardson, Providence, R. I., assignor to New England Butt Company, Providence, R. I., a corporation of Rhode Island
Application December 3, 1941, Serial No. 421,410
9 Claims. (Cl. 57—78)



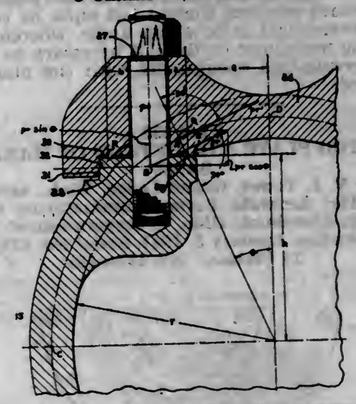
1. In a stranding machine comprising a rotatable flier and a stranding mechanism supporting cradle tiltably mounted within said flier, means for rotating said flier about said cradle, brake means mounted for operative engagement with a portion of said flier, means for applying said brake means to said flier, means for holding said brake means out of operative engagement with said flier against the influence of said brake applying means, and brake control operating means carried by said cradle and operable in response to excessive tilting of said cradle for releasing said brake holding means.

2,294,635
BILLFOLD
Lester L. Sherwood, Los Angeles, Calif.
Application September 5, 1941, Serial No. 409,625
2 Claims. (Cl. 150—38)



1. A billfold formed in a single piece from thin flexible material and comprising a rectangular section that forms the outer wall of the billfold, a section formed integral with one of the longitudinal edges of said outer wall section and occupying a position directly against the inner face of said outer wall, spaced pocket forming walls integral with the opposite longitudinal edge of said outer wall section, which pocket forming walls are folded double so as to form inner and outer pocket walls, flaps formed integral with the outer ends of the pocket wall forming members, which flaps occupy positions between the back forming section and the section that forms a wall immediately in front of said back section, flaps formed integral with the ends of said back section and which overlie the outer faces of the outer walls of the pocket forming sections and lacings connecting the lower edges of said flaps with the outer walls of the pockets, which lacings are located above the lower edges of the outer walls of said pockets and the lower edge of the billfold.

2,294,636
STEAM CHEST CONSTRUCTION
Kenneth R. Stearns, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 24, 1940, Serial No. 320,569
3 Claims. (Cl. 220—3)



2. A high-pressure vessel having a curved wall defining a hollow cylindrical body having substantially uniform inner and outer diameters, said vessel having a relatively long and narrow opening whose major axis is parallel to the longitudinal axis of the vessel and whose width is less than the inner diameter of said vessel, a cover for said opening, said cover and vessel having first contact surfaces defining a joint lying in a plane parallel to the longitudinal axis of said vessel and having second contact surfaces lying in planes substantially perpendicular to said first contact surfaces, and a plurality of bolts extending perpendicular to and within the confines of said first contact surfaces and securing said cover in closing relation to said opening, the points of intersection of the longitudinal axes of the bolts with a plane normal to and intersecting the second contact surfaces lying approximately within the mean diameter of the vessel and the inner portion of the first contacting surfaces also lying within the mean diameter of the vessel.

2,294,637
COUPLING NUT
Ewald C. Thomsen, Kenosha, Wis.
Application July 5, 1940, Serial No. 344,019
3 Claims. (Cl. 285—143)

1. In a coupling of the class described including a nipple and a ferrule adapted to be drawn

end to end in coupled engagement, the combination of a nut threadable onto the nipple and having opposite post portions provided with opposite grooves extending in a generally circumferential direction, each of said grooves including a marginal projection extending in a direction radially inward of the nut, said ferrule having a flange portion spaced inwardly from the end of said ferrule which engages the nipple, and in an axial direction from said end, on the



ferrule, a distance which is greater than the depth of said grooves measured in a direction axially of said nut such that the flange portion on the ferrule is of too great a depth to be inserted by direct lateral movement in between the posts into the groove portions therein but must be rocked in between said posts at an angle, whereby the turning movement of the nut necessary to draw the ferrule into engagement with the nipple is reduced.

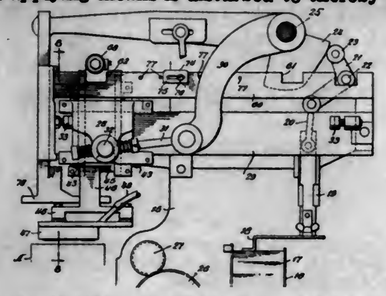
2,294,638
CLUTCH PLATE AND METHOD OF MAKING SAME
Elmer V. J. Tower, Grand Ledge, Mich., assignor to The Accurate Parts Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 3, 1941, Serial No. 373,614
14 Claims. (Cl. 192—68)



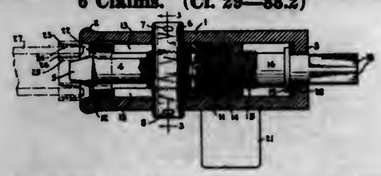
1. A hub element for a clutch plate having coil springs mounted between such element and its disk body, comprising a hub and a spring-abutting flange, said hub and said flange, respectively, having interfitting surface portions of non-circular cross-sectional shape being composed of metals of different hardness, the axial width of said interfitting portions being equal to the thickness of said flange.

2,294,639
MACHINE FOR ADHESIVELY APPLYING LABELS AND OTHER ELEMENTS TO ARTICLES
George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application December 15, 1939, Serial No. 309,342
10 Claims. (Cl. 91—50)

1. In a machine of the kind described including adhesive applying means, and transfer means for carrying an element into adhesive receiving relation to said adhesive applying means, that improvement which comprises mechanical means located in independent stationary relation to the movable transfer means whereby the adhesive receiving relation between the carried element and said applying means is disturbed to thereby prevent application of adhesive to predetermined parts of said carried element.

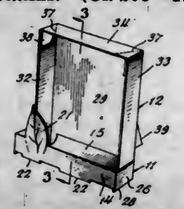


2,294,640
MEANS FOR AFFIXING COUPLINGS TO HOSE
Archibald L. Wallace, Northport, N. Y.
Application June 8, 1940, Serial No. 339,532
6 Claims. (Cl. 29—88.2)



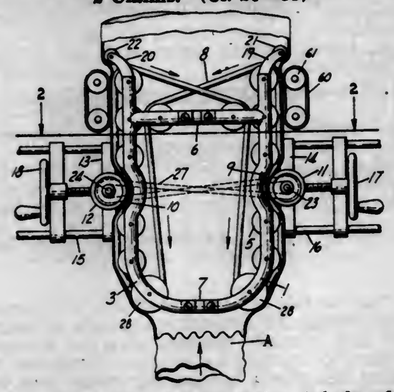
1. In means for securing to a hose a coupling comprising a body and inner and outer jaws adapted to be forced toward each other to grip the hose, the combination with a cylindrical member, of a circular mandrel within the same, means fixing said mandrel within and concentric with said member to form an annular gap between said member and said mandrel, said member being of a size to contract the outer jaw of a coupling and said mandrel being of a size to expand the inner jaw of the same coupling as the coupling is passed into the gap and a reciprocating member for forcing the jaws of a coupling into the gap between said member and mandrel thereby to force said jaws toward each other to grip the hose.

2,294,641
DISPLAY DEVICE
William H. Walters, Maspeth, Long Island, N. Y., assignor to The United States Printing & Lithograph Company, Brooklyn, N. Y., a corporation of Ohio
Application May 27, 1941, Serial No. 395,324
8 Claims. (Cl. 206—44)



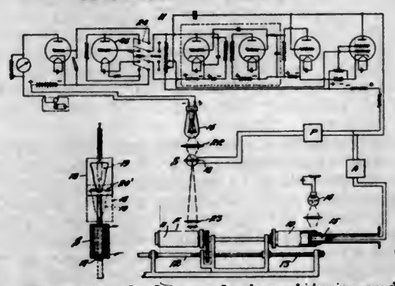
5. A collapsible display device formed from a single blank of material cut and scored to define a foldable base portion and a foldable receptacle portion thereabove, said base portion including bottom, top and front walls with the scorelines defining said walls also providing fold lines whereby said base portion can be folded into a substantially flat condition, and said receptacle portion including a bottom and side and end walls with at least one of said walls having fold lines for inwardly collapsing said end wall and side walls upon said bottom, and the top wall of said base portion constituting another end wall of said receptacle portion.

2,294,642
APPARATUS FOR SPREADING AND STRETCHING FABRICS IN TUBULAR FORM
Frederick Charles Wedler, Media, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application May 20, 1941, Serial No. 394,268
2 Claims. (Cl. 26—55)



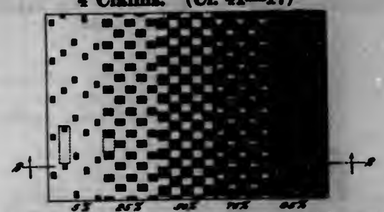
1. An apparatus for spreading tubular fabric comprising frame members having at one end outwardly extending portions of reduced thickness and at the other end inwardly extending portions, a plurality of grooved pulley members revolvably mounted on the frame members, a belt member passing over the pulley members and extending beyond the periphery thereof along the outer sides of the frame member, pulley members revolvably mounted on the frame members adjacent the inwardly extending portions, said latter pulleys being of greater diameter than the other pulley members and being grooved deeper than the thickness of the belt member.

2,294,643
METHOD AND APPARATUS FOR REPRODUCING PICTURES
Francis Lewis Wurzburg, Jr., New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application July 5, 1940, Serial No. 343,962
11 Claims. (Cl. 178—6.7)



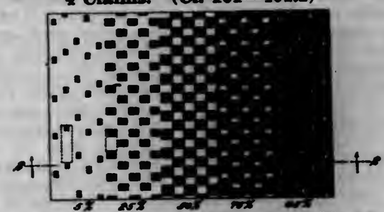
1. The method of reproducing pictures and the like, which comprises progressively translating light intensities of successive sections of the picture into impulses of a beam of light of uniform intensity, varying the lengths of the impulses and the spacing of the impulses in accordance with the light and shade of said picture, and simultaneously varying the width of the beam in accordance with the light and shade of said picture.

2,294,644
CONTRAST IMAGES FOR MAKING PRINTING PLATES
Francis Lewis Wurzburg, Jr., New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Original application July 5, 1940, Serial No. 343,962. Divided and this application August 9, 1941, Serial No. 406,120
4 Claims. (Cl. 41—17)



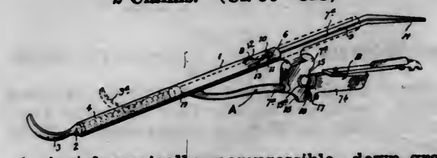
1. A contrast image having variably-spaced, rectangular dots which vary both in length and in width.

2,294,645
PRINTING PLATE
Francis Lewis Wurzburg, Jr., New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Original application July 5, 1940, Serial No. 343,962. Divided and this application August 9, 1941, Serial No. 406,121
4 Claims. (Cl. 101—401.1)



1. A printing plate having variably-spaced, rectangular printing areas which vary both in length and in width.

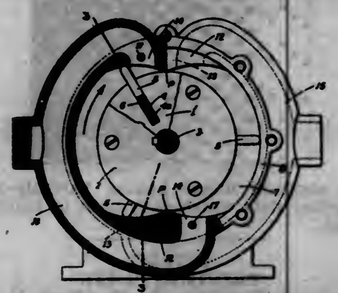
2,294,646
DOWN-GRAIN GUARD FOR COMBINES
Edward Henry Young, Chancellor, Alberta, Canada
Application March 28, 1942, Serial No. 436,590
In Canada September 19, 1940
2 Claims. (Cl. 56—313)



1. A telescopically compressible down-grain pick-up extension guard for use on combine grain guards of the short type, comprising a longitudinally slotted barrel slidably engaging

with the leading edge of a combine grain guard through the said slot, a compression spring within said barrel, a slidable block between said spring and said short guard to act as a buffer between spring and guard, a spring controlled dog catch mounted within said barrel to hold the barrel in position with respect to said short guard, said barrel having a hole to permit insertion of means for release of said dog catch for removal of the barrel, and a down-grain pick-up pointed prong at its leading end, and a transverse ridge on the upper face of said short guard to contact said dog catch.

2,294,647
ROTARY PUMP
John S. Ames, Oakdale, Calif., assignor of one-half to Lester H. Brown, Salida, Calif.
Application June 18, 1940, Serial No. 341,143
2 Claims. (Cl. 103—136)

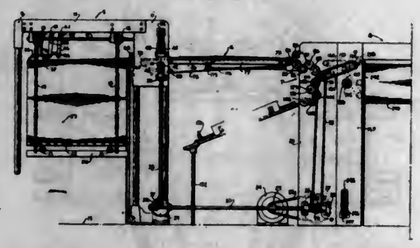


2. In a rotary pump which includes a casing having a chamber whose periphery includes an abutment, a rotor mounted in the casing in clearance relation to said periphery on opposite sides of the low point of said abutment, there being intake and outlet ports from the chamber on opposite sides of and adjacent said point, a radial vane slidably mounted in the rotor, and spring means urging said vane radially outward into engagement at its outer end with the periphery of said chamber, normally separating the latter into an intake side and an outlet side; passage means arranged to subject said vane at its inner end to the suction of the intake side of said chamber during a predetermined path of travel of the vane ahead of but adjacent the zone of said low point of the abutment whereby to reduce the radially outward force exerted on the vane by said spring means while the vane traverses said path, and other passage means arranged to subject the inner end of said vane to the pressure of the outlet side of said chamber during a predetermined path of travel of the vane beyond but adjacent the zone of said low point of the abutment whereby to supplement the radially outward force exerted on the vane by said spring means while the vane traverses said path.

2,294,648
METHOD OF ROLLING MAGNESIUM-BASE ALLOYS
Gerhard Ansel and John C. McDonald, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 1, 1940, Serial No. 349,254
9 Claims. (Cl. 148—11.5)

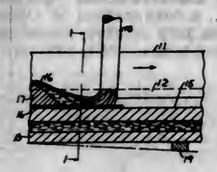
1. In a method of producing a high strength ductile product from a magnesium-base alloy having sufficient ductility to permit substantial deformation, the steps which comprise forming a product having a thickness of at least 25 per cent above the desired final thickness, rolling the product to approximately final thickness while at a temperature below the recrystallization temperature of the metal and below 400° F., and then annealing the rolled product.

2,294,649
METHOD OF AND APPARATUS FOR HANDLING SHEETS
Leonard Baker, Hillsdale, N. J., assignor to Dexter Folder Company, Pearl River, N. Y., a corporation of New York
Application July 26, 1940, Serial No. 347,628
40 Claims. (Cl. 271—64)



1. The method of handling sheets, which comprises forming and advancing a stream of lapped sheets each partially disposed upon the succeeding sheet in overlapping relation therewith, inspecting the sheets successively while they are in the stream to determine which sheets are good or without defects and which sheets are imperfect or defective, separating the sheets successively from the front of the stream, advancing for further handling separated sheets found by inspection to be good or without defects, and moving out of the line of travel of the separated sheets those found by inspection to be imperfect or defective.

2,294,650
WELDING METHOD
Joseph F. Bechtle, Jersey City, N. J., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application November 9, 1940, Serial No. 364,977
7 Claims. (Cl. 219—10)

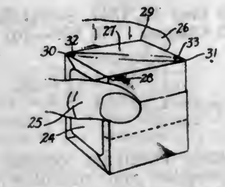


1. In the method of seam welding metal articles the steps comprising, positioning a pair of the edges of the article to be joined over a groove in a metal mold piece, providing a lining of molten flux to cover the surface of the groove, filling the lined groove with molten metal while maintaining the flux lining on the surface of the groove and coalescing the molten metal in the groove with the metal of the edges.

2,294,651
HIGH-GLOSS COATED MATERIAL
Wyly M. Billing, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 26, 1936, Serial No. 107,624
13 Claims. (Cl. 117—155)

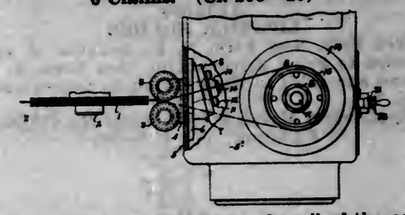
3. The method for the production of a surface-coated sheet material characterized by moisture-proofness, greaseproofness, high gloss, freedom from odor and taste, and non-tackiness, which comprises heating to a temperature above its melting point yet below about 325° F., a synthetic resinous coating composition consisting substantially of between about 70 to about 95 parts by weight of an ethylene glycol-terpene-maleic anhydride resin and between about 5 to about 30 parts by weight of a compatible, relatively soft polyethylene glycol-terpene-maleic anhydride resin, applying the molten resinous composition in a thin film to a surface of a sheet and allowing the film to cool.

2,294,652
CONTAINER CONSTRUCTION
Benton Blair, Bronxville, N. Y., assignor of forty-five per cent to John C. Blair, Stamford, Conn., and ten per cent to Joseph L. Lamia, Flushing, N. Y.
Application January 24, 1941, Serial No. 375,709
2 Claims. (Cl. 229—51)



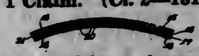
1. An article of manufacture comprising a package in the form of substantially a parallelepiped and comprising, a stack of slidably contacting relatively flat individual articles in face contacting relation one above the other, the top and bottom of the stack being referred to as the end walls, an open-ended container portion formed of cardboard or the like and having four separate side wall members hingedly connected together, two of said side wall members being positioned along said end walls of the stack and the other two wall members extending therebetween along opposite sides of the stack, the lateral dimensions of said articles being such that said articles extend substantially between opposite side walls of said container, and a relatively thin readily frangible wrapper tightly wrapped about said container portion and forming taut sheets extending over and completely enclosing said container portion, said wrapper being adhesively secured to said container portion to prevent relative movement therebetween, whereby when two diagonally opposite hingedly connected edges of the container portion are pressed toward each other, the package is distorted with opposed sides of said container portion substantially retaining their parallel relationship and with the corners of the container portion being effective to initiate tearing action of the enclosure to thereby effect opening of the enclosure.

2,294,653
WIRE COILING MACHINE
Carl O. Bruestle, Rahway, N. J., assignor to Syncro Machine Company, Rahway, N. J., a corporation of New Jersey
Application May 10, 1941, Serial No. 392,886
6 Claims. (Cl. 205—16)



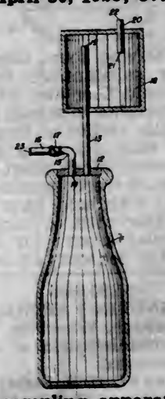
1. In a machine of the type described the combination including a power driven coiler block, means for causing rotation of the coiler block in either of two directions, a die holder, and means for selectively positioning the die holder for supplying a strand to the coiler block along either of two paths tangential to the coiler block at opposite sides thereof.

2,294,654
LEATHER COMPOSITE HATBAND
Himen Cooper, West Philadelphia, Pa.
Application September 13, 1938, Serial No. 229,655
1 Claim. (Cl. 2—181)



A hat band comprising a layer of leather and a knitted fabric united by a layer of cement, said fabric having a greater plasticity than leather, said cement consisting of a latex free of fillers to form spaced particles permitting passage of air therethrough.

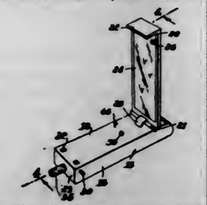
2,294,655
APPARATUS FOR SAMPLING LIQUID
Hans Albert Einstein, Greenville, S. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
Application May 11, 1942, Serial No. 442,554
3 Claims. (Cl. 73—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A liquid sampling apparatus comprising a container for receiving a liquid sample, a chamber, a tube connecting said chamber and con-

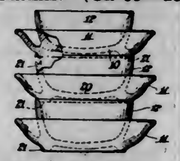
tainer, a second tube communicating said container with the exterior, a valve in said second tube, and a third tube connecting said chamber with the exterior, the exterior opening of said second tube being normally below the exterior opening of said third tube.

2,294,656
LIPSTICK HOLDER
Alfred Feib, New York, N. Y., assignor of one-third to Ernst Friedenheim, New York, N. Y., and one-third to Kurt Hirschen, Schenectady, N. Y.
Application March 3, 1942, Serial No. 433,203
8 Claims. (Cl. 132—79)



1. A cosmetic holder comprising an exterior casing, a cover pivoted to said casing, spring means for urging said cover towards its open position, locking means for releasably holding said cover in its closed position, a slotted guideway in said casing, a sleeve rotatably mounted in said casing and having a helical guide slot extending about its surface, a cosmetic carrier slidably mounted in said sleeve, said carrier having a pin extending through the slot in said sleeve into said guideway, a linkage connecting said sleeve with said cover for advancing and retracting said sleeve upon opening and closing of said cover, and mechanism operative upon the reciprocating movement of said sleeve for rotating said sleeve through a predetermined angle for projecting said carrier from said sleeve.

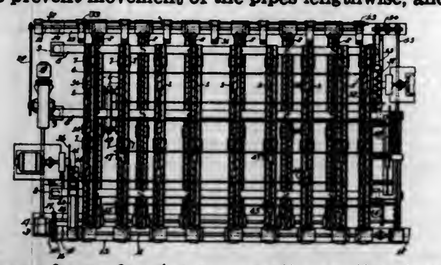
2,294,657
SERVING DISH
Gertrude M. Flanagan, Philadelphia, Pa.
Application October 16, 1940, Serial No. 361,341
2 Claims. (Cl. 65—15)



1. A dish for serving soup, comprising a base having an upper, substantially horizontal floor, a wall bounding said floor and joined thereto by a concave area merging into said floor, said wall rising substantially vertically from said area to form with said base a serving bowl having a substantially greater width than depth to permit a spoon to scoop freely across said floor, and a flange integral with said base and rising at an acute angle therewith to encircle said wall to form an annular groove for supporting articles related to the contents of said bowl.

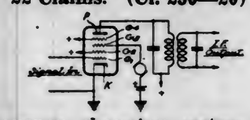
2,294,658
PIPE HANDLING APPARATUS
Benjamin P. Hazeltine, Wheeling, W. Va.; Emily H. Hazeltine administratrix of said Benjamin P. Hazeltine, deceased
Application June 27, 1940, Serial No. 342,740
6 Claims. (Cl. 29—70)

1. Pipe handling apparatus comprising a table of substantially parallel conveyor screws adapted to receive pipes between their threads with the threads engaging only the rear sides of the pipes, means for rotating the screws to cause their threads to move the pipes longitudinally of the screws, means disposed beside the screws for normally supporting the pipes above the screw hubs to prevent movement of the pipes lengthwise, and



means for performing an operation on the pipes, the tops of said supporting means at a predetermined point relative to said operation performing means lying in a plane below the tops of the adjacent portions of at least some of the screw hubs, whereby said adjacent portions of the hubs support the pipes above said supporting means and move them lengthwise.

2,294,659
ELECTRON DISCHARGE DEVICE AND CIRCUIT
Edward W. Herold, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 17, 1941, Serial No. 393,907
22 Claims. (Cl. 250—20)

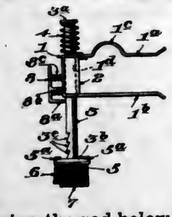


1. A frequency changing system for superheterodyne operation and including an electron discharge device provided with a source of electrons, a control electrode means and an output electrode toward which said electrons are directed to produce an output current, said electron discharge device having a transconductance characteristic passing through negative and positive values, means for applying operating voltages to said electron discharge device for adjusting said device to a point of transconductance such that with varying control voltages applied to said control electrode means, the transconductance will vary between negative and positive values, an output circuit connected to said electron discharge device, means for applying to said control electrode means a varying voltage at one frequency and other means for applying to said control electrode means a varying voltage at another frequency, the application of said voltages at different frequencies producing in effect a periodic phase reversal of the component of output current at said one frequency in the output electrode, and producing a component of output current at a third frequency in the output circuit.

2,294,660
PHONOGRAPH RECORD CLEANER
John Hess, Yonkers, N. Y.
Application February 4, 1942, Serial No. 429,563
18 Claims. (Cl. 274—47)

1. A record cleaner, adapted to be mounted on the needled tone or pick-up arm of a record player having a turntable supporting the record to be played, comprising a clip adapted to be

mounted on said arm, said clip having a vertically disposed bore; a rod slidably mounted in said bore; means for yieldably depressing said rod in the bore; a brush mounted at the lower end of the rod and adapted to contact the record on the turntable in advance of the needle; a spring pressed lever on the clip having a tooth



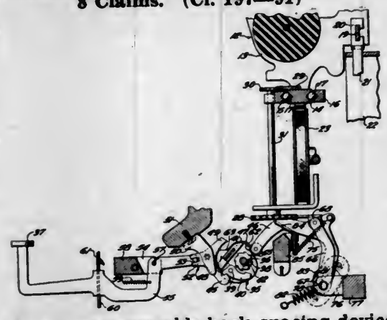
slidably engaging the rod below the clip; and said rod having a series of spaced notches at its lower end adapted to be engaged by the tooth, for limiting the downward movement of the rod substantially according to the height of the arm above the record on the turntable, while permitting the rod to yield upwardly in maintaining the brush depressed upon the record.

2,294,661
HANDLE ATTACHMENT
Helen Hibbard, Milwaukee, Wis.
Application May 14, 1941, Serial No. 393,496
2 Claims. (Cl. 24—256)



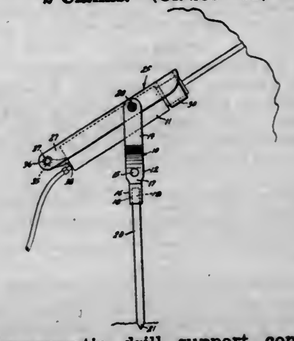
1. A device of the character described comprising an elongated cup-shaped member of resilient material adapted for attachment to the end of a broom handle or the like, having corrugations annularly disposed about its largest circumference and corrugations within the cup for resisting displacement of the cup-shaped member on said handle, the external corrugations being disposed at right angles to the internal corrugations.

2,294,662
TYPEWRITING MACHINE
William F. Helmond, Clinton, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 26, 1940, Serial No. 342,473
8 Claims. (Cl. 197—91)



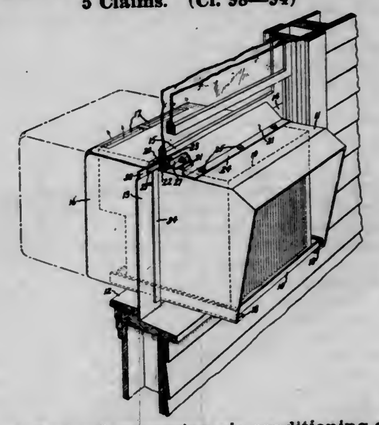
8. In a power-operable back-spacing device for a typewriter carriage, a power actuator, means operable by said actuator to back-space said carriage, including a member normally movable through a prescribed path to transmit back-spacing motion, said member being also idly movable through another path, and means including a resilient device, adapted to constrain said member to move through said prescribed path only if the carriage is free to back-space, the resiliency of said means allowing said member to move idly through said other path whenever the carriage is obstructed against back-spacing movement.

2,294,663
CRADLE BRACE
Christian Huber, Juneau, Territory of Alaska
Application March 10, 1941, Serial No. 382,566
2 Claims. (Cl. 255—51)



1. A pneumatic drill support comprising a yoke-shaped standard having a stem and an upwardly directed pair of arms, a socket fixed to the lower end of said stem, a support bar having its upper end connected in said socket, and a cradle for said drill pivotally connected to said arms, said cradle comprising spaced parallel side members, a saddle bridging the forward ends of said side members and rigidly secured thereto for supporting the front end portion of said drill, and means on the rear end of said cradle for supporting the rear end portion of said drill.

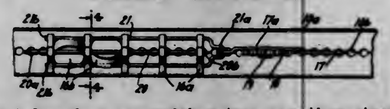
2,294,664
CLAMP FOR WINDOW SILL AIR CONDITIONERS
Albert B. Hubbard, West Orange, N. J., assignor to General Electric Company, a corporation of New York
Application October 22, 1940, Serial No. 362,240
5 Claims. (Cl. 98—94)



1. A device for securing air conditioning apparatus or the like in a window opening compris-

ing a housing arranged to fit within a window opening, and means including an elongated substantially rectangular sheet metal member arranged to extend laterally at an angle between said housing and a window sash for holding the window sash in position adjacent said housing, said member having one of its longitudinal edges secured to said housing and its other longitudinal edge arranged to rest adjacent the window sash, said means including a clamping device having an operating member accessible from within said housing for drawing said other edge toward said housing whereby said strip is forced toward the window sash to hold the sash in position adjacent said housing.

2,294,665
TYPEWRITING MACHINE
Carlton T. Jackson, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 1, 1940, Serial No. 316,775
9 Claims. (Cl. 308—6)



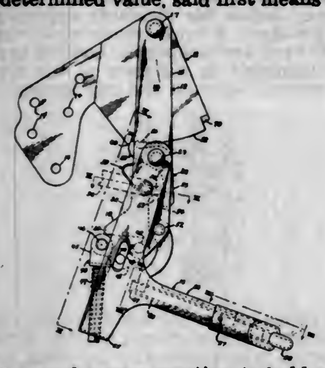
1. A bearing comprising two coacting straight grooved members forming a raceway, a plurality of separator plates disposed at right angles to the raceway, a straight row of anti-friction rollers freely loosely received in said raceway and merely spaced by said plates, and means to loosely hold said plates and said rollers in alignment longitudinally of the raceway.

2,294,666
WATER SOLUBLE ADHESIVES OBTAINED BY ETHERIFYING WOOD
Michael Jahrstorfer and Julius Beck, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 7, 1938, Serial No. 244,418. In Germany December 17, 1937
4 Claims. (Cl. 260—231)

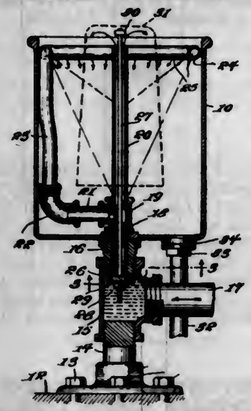
1. The process of producing organic substances containing carboxylic groups which comprises acting with a member of the group consisting of monohalogen acetic acids and their salts on comminuted wood with its principal natural components to render the material treated soluble in water, said comminuted wood having been pretreated with an aqueous alkali metal hydroxide.

2,294,667
BRAKE LEVER
Herbert S. Jandus, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application April 15, 1940, Serial No. 329,616
16 Claims. (Cl. 74—516)

1. A brake lever construction comprising pivoted lever members, means operatively connecting said lever members for unitary movement when an actuating force required to move them is less than a predetermined value, said means including means movable for disconnecting said unitary arrangement whereby one of said lever members is movable relatively to the other of said lever members in the same direction as said unitary movement when said other lever is stationary and said actuating force is greater than the predetermined value, said first means including said second means coacting to hold said one lever member in adjusted position only when said relative movement has reached its limit.

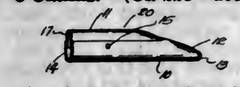


2,294,668
FOUNTAIN GLASS WASHER
Steve Karas, Gary, Ind.
Application July 14, 1941, Serial No. 402,402
1 Claim. (Cl. 141—3)



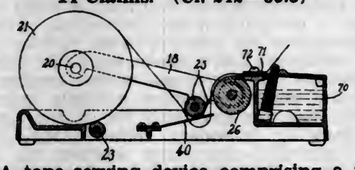
A fountain glass washer comprising, a container adapted to receive an inverted drinking glass, a water supply pipe entering the bottom of the container and extending axially in the container, a T-shaped coupling on the pipe engaging the top face of the bottom of the container, a branch pipe extending upwardly from the coupling along the inner surface of the container, an annular spray pipe concentric with the axis of the container secured to the branch pipe, a nut threaded on the water supply pipe engaging the bottom face of the bottom of the container, the pipe extending below the nut and being formed with a valve seat, an upwardly closing valve on the seat, a stem for the valve extending upwardly and terminating above the annular spray pipe and adapted to be depressed by an inverted drinking glass to open the valve, a T-shaped coupling having its lateral branch connected to a source of water supply and having its upper branch screw threaded on said nut, said valve being housed in said coupling, a threaded rod engaged in the lower branch of the coupling, and a base connected to the rod for securing the glass washer to a support.

2,294,669
CURTAIN THREADER
Carl Koenke, Detroit, Mich.
Application November 5, 1941, Serial No. 417,956
3 Claims. (Cl. 223—105)



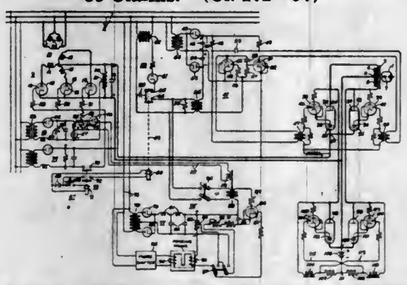
1. A curtain threader of the kind described, comprising a U-shaped trough, forming at one end a flattened hollow cone, an oppositely set member also forming a U-shaped trough, pivotally mounted within the first said member, one of its ends being disposed within the aforesaid cone, the open ends of both troughs forming opposing jaws, and spring means to urge the jaws toward each other.

2,294,670
TAPE-SERVING MECHANISM
Alfred P. Krueger, Stratford, Conn., assignor to Derby Sealers, Incorporated, Derby, Conn., a corporation of Connecticut
Application August 4, 1939, Serial No. 288,286
14 Claims. (Cl. 242—55.5)



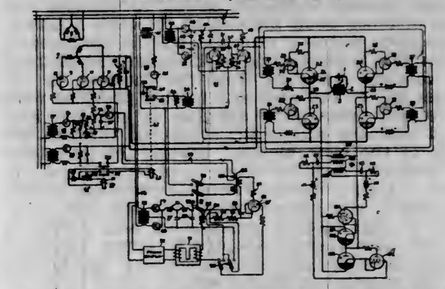
2. A tape-serving device comprising a frame, a spindle to carry a roll of tape, means on the frame for pivotally supporting said spindle, said means comprising an arm pivoted to the frame to which the spindle is secured at a point remote from the pivot, a guide roller carried by said arm about which the tape is trained, and a spring supported on the frame to contact the surface of the tape opposite said roller.

2,294,671
ELECTRIC TRANSLATING SYSTEM
Orrin W. Livingston, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 18, 1941, Serial No. 423,523
33 Claims. (Cl. 171—97)



15. In combination, a supply circuit, a load circuit, a transformer having primary winding means including a pair of winding sections having a common connection and having secondary winding means connected to said load circuit, a capacitance, means for charging said capacitance from said supply circuit and means connected between said capacitance and said primary winding sections for effecting alternate energization thereof by discharging said capacitance, means for limiting the inverse voltage impressed across each of the primary winding sections upon discharge of said capacitance and comprising a pair of electric valve means connected across the primary winding sections, said electric valve means being oppositely poled and having a common juncture connected to said common connection, a pair of control circuits connected to the control members of said electric valve means and each comprising a control electric discharge device having a grid, means for impressing a biasing voltage on said grids tending to maintain the electric discharge devices nonconducting, and means for selectively rendering conducting the control discharge devices and the associated electric valve means comprising a voltage divider connected across said primary winding means and comprising two pairs of serially connected resistances and inductances, criss-cross connections between the grids of said control electric discharge devices and said reistances, the inductances serving to produce voltages which neutralize the effect of said biasing potential and which continue into the regions where the reversal of polarity due to the discharge of said capacitance becomes effective.

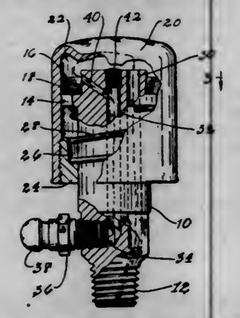
2,294,672
ELECTRIC VALVE CIRCUIT
Orrin W. Livingston, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application February 28, 1942, Serial No. 432,902
9 Claims. (Cl. 171—97)



9. In combination, a supply circuit, a load circuit, a capacitance, means for charging said capacitance from said supply circuit, transforming means connected to said load circuit and having primary winding means, means connected between said capacitance and said primary winding means for effecting discharge of said capacitance through said primary winding means, means for controlling the last mentioned means so that successive discharge currents of said capacitance traverse said primary winding means in opposite directions, means connected to said transforming means for preventing substantial reversal of the polarity of said capacitance after each discharge thereof and comprising a pair of reversely connected electric valve means, a pair of control electric valves each associated with a different one of said electric valve means, said control electric valves each having a control grid, and means for selectively controlling the conductivities of said control electric valves and comprising a transformer connected to said primary winding means and having a pair of oppositely poled secondary windings each connected to the grid of the different control electric valve through a circuit comprising in series relation a capacitance and a re-

sistance for producing a voltage tending to maintain the control electric valves conductive selectively in response to the direction of current flow through said primary winding means and into the region in which the polarity of said capacitance tends to reverse.

2,294,673
AUTOMATIC LUBRICATOR
James V. Lo Prete and Harold L. Ovenshire, Detroit, Mich.
Application February 15, 1939, Serial No. 256,544
4 Claims. (Cl. 184—45)



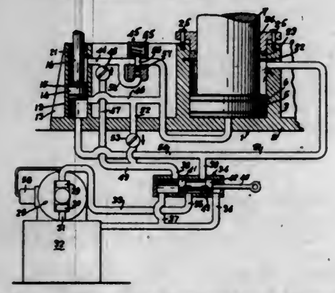
1. In a self-feeding lubricating device having a stem member, a cup member inserted on one end of the stem member and forming a sealed chamber therebetween for containing lubricant, spring means yieldingly acting to collapse the cup member upon the end of the stem member, said stem member provided with a passageway extending from one end to the other and adapted to conduct lubricant from the chamber to the other end of the stem and further provided with a second passageway opening at one end into said chamber and at the other end through the side of the stem member beyond the open end of said cup member when in collapsed position, and a high pressure lubricant receiving fitting secured to said stem member over the side opening of said secured passageway and having a check valve therein adapted to admit lubricant under pressure into the passageway and thence to the chamber to fill the same.

2,294,674
RUBBER JOINT
Thomas Lord, Millcreek Township, Erie County, Pa., assignor, by mesne assignments, to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application March 1, 1940, Serial No. 321,701
10 Claims. (Cl. 248—358)



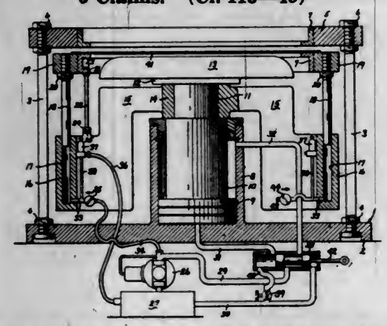
1. The combination of two plates and a yielding connection between the plates including rubber or the like projecting from the faces of the plates in shear relation relatively to the face of each plate and out of direct line compression relation between the plates the general direction of the portions of the connection adjacent to the plates being out of alignment and sustaining the major portion of the thrust of each plate in the plane of the face of the plate.

2,294,675
METAL STRETCHING PRESS
Howard F. MacMillin, Mount Gilead, and Warren R. Tucker, Dayton, Ohio, and Reider Thoreson, Birmingham, Mich., assignors to The Hydraulic Development Corp, Inc., Wilmington, Del., a corporation of Delaware
Original application March 25, 1940, Serial No. 325,780. Divided and this application November 28, 1940, Serial No. 367,614
6 Claims. (Cl. 113—45)



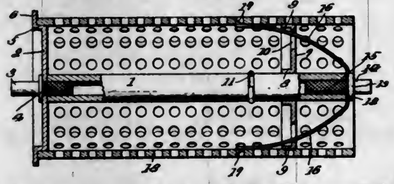
1. A hydraulic press comprising a main cylinder and a plurality of work-clamping cylinders arranged about the main cylinder, pistons in all of said cylinders and a direct hydraulic connection between said main and work-clamping cylinders, and means including a single source of pressure fluid for operating the pistons in the work-clamping cylinders simultaneously, said direct hydraulic connection between the main and the work-clamping cylinders serving to actuate the piston in the main cylinder in a predetermined pressure relation with respect to the pistons in the work-clamping cylinders.

2,294,676
METAL STRETCHING PRESS
Howard F. MacMillin, Mount Gilead, and Warren R. Tucker, Dayton, Ohio, and Reider Thoreson, Birmingham, Mich., assignors to The Hydraulic Development Corp., Inc., Wilmington, Del., a corporation of Delaware
Original application March 25, 1940, Serial No. 325,780. Divided and this application November 28, 1940, Serial No. 367,615
6 Claims. (Cl. 113—45)



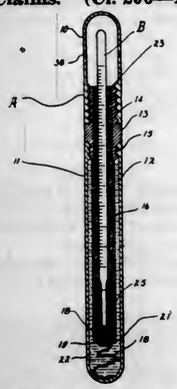
1. A hydraulic press for fabricating articles out of sheet metal, said press comprising a main pressing cylinder and a clamping cylinder, a plunger in each of said cylinders, a punch carried by the plunger in the pressing cylinder and adapted to move upwardly against the metal sheet which is to be formed into the article, the clamping cylinder being secured to the plunger of the pressing cylinder, a clamping plate secured to the plunger of the clamping cylinder for holding the metal sheet in position during the pressing operation, and means for applying pressure fluid separately to the lifting side of the plungers in the main and clamping cylinders respectively whereby the punch is caused to contact with the metal sheet and the plunger in the clamping cylinder moves upwardly to move the clamping plate into clamping position.

2,294,677
SELF-LOCKING ARBOR FOR SUPPORTING TUBES FORMING HEADLESS SPOOLS OR THE LIKE
George B. Markle, Jr., Hazleton, Pa.
Application June 25, 1941, Serial No. 399,726
6 Claims. (Cl. 242—130)



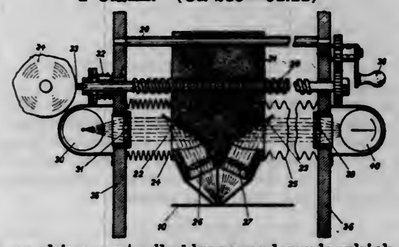
6. An arbor for spools and the like comprising a core, a fixed and a movable head mounted on said core, a spring arm carried by said core for locking a spool on said heads, the movable head being adapted to release said spool when moved on said core.

2,294,678
ANTISEPTIC THERMOMETER HOLDER INSTRUMENT
Joseph L. Martineau, St. Paul, Minn.
Application August 17, 1939, Serial No. 290,664
2 Claims. (Cl. 206—16.5)



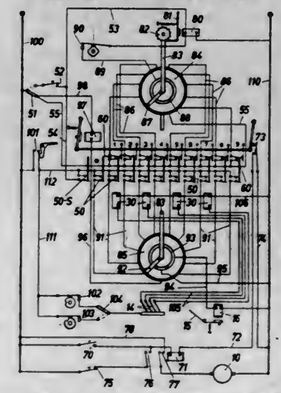
1. A thermometer case comprising a liquid impervious inner case having an absorbent liner therein and provided at the upper end thereof with an enlarged portion having spaced upper and lower threaded sections, a liquid impervious outer case threadedly engaging the lower threaded section in liquid sealing contact and encircling said inner case to provide a fluid reservoir between said inner and outer cases, a washer member at the upper open end of said inner case for restricting the opening at that portion of the case, said inner case having a small passage therethrough at the lower end thereof in communication with said reservoir, a wick in said passage leading from said liner to said reservoir, and a closure cap for said case threadedly engaging a portion of said enlarged portion for effectively maintaining said cap on said case.

2,294,679
ANALYZING DEVICE FOR STATISTICAL MACHINES
Michael Maul, Berlin-Johannisthal, Germany, vested in the Alien Property Custodian
Application July 21, 1939, Serial No. 285,735
In Germany August 6, 1938
1 Claim. (Cl. 235—61.11)



A machine controlled by record cards which are fed along a predetermined path and which have graphical characters disposed thereon in different columnar areas having means for analyzing the characters comprising a source of light rays, light responsive means and related lens systems, said source and relative lens system, and said light responsive means and related lens system fixedly secured to opposite side walls of the machine, respectively, individual optical systems for directing the rays of light from the said source in the path of the record cards and from the said cards to the light responsive means, respectively, said directing systems being mounted on a settable carrier disposed between the said side walls, and adjustable means cooperating with said carrier for positioning the carrier and light ray directing systems for directing the rays of light to and from the different columns of characters on the record cards.

2,294,680
SORTING MACHINE FOR RECORD CARDS
Michael Maul, Berlin-Johannisthal, Germany, vested in the Alien Property Custodian
Application May 3, 1940, Serial No. 333,159
In Germany May 6, 1939
7 Claims. (Cl. 209—110)



1. In a sorting machine, the combination of

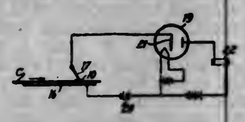
analyzing devices for analyzing designations on records to be sorted, said designations being represented by holes in combinational arrangement, a sorting mechanism, a digit designation selector which in successive digit representing positions causes the sorting mechanism to be successively responsive to the translated digit representing readings of the designations, an electro-mechanical translator comprising permutation bars electro-magnetically set under control of such analyzing devices and including digit representing bars cooperative with said permutation bars for controlling said sorting mechanism digit representing set-up devices, means directly controlled by said digit representing bars to set up on said devices the different digit representations of the records analyzed by said analyzing devices, and means controlled by said set-up devices for causing said digit designation selector to be moved from one digit representing position to another digit representing position which correspond to digits represented by said set-up devices, to cause said sorting mechanism to be responsive only to translated digit readings represented by records analyzed by said analyzing means.

2,294,681

RECORD CARD CONTROLLED MACHINE

Carroll K. Moon, Brooklyn, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 6, 1939, Serial No. 277,601
3 Claims. (Cl. 235—61.11)



1. In a machine controlled by record elements, each record element comprising a non-conductive body portion having index points differentially disposed in predetermined columnar areas, said index points constituting marks of electrically conducting material, the combination of spaced guide members for guiding the record elements, one of said members consisting of electrical conducting material and the other of said members consisting of non-conducting material, means for sensing the said index points comprising a conducting element normally positioned in close proximity to but failing to contact physically, the conductive guide member, electron discharge means having input and output circuits, the input circuit being connected to the conducting element and the conducting guide member, a source of potential included in the input circuit capable of rendering the discharge means conductive at the differential times the index points are sensed, means for feeding the record elements through the spaced guide members so that the index points engage the said conducting element to form an electrical condenser consisting of an index point and the conductive guide member as the plates and the non-conductive body portion of the record element as the dielectric thereof, which condenser is charged by said source of potential for rendering the discharge means conductive only at the differential times the index points are sensed for producing electrical impulses in the output circuit in accordance with the disposition of the index points, and differentially operable devices controlled by the discharge means and responsive to the said impulses impressed on the output circuit.

2,294,682

METHOD OF MAKING NUT BUTTERS

Williamson W. Moss, Jr., St. Petersburg, Fla.

No Drawing. Application February 11, 1941, Serial No. 378,441
7 Claims. (Cl. 99—128)

1. In a method of preparing peanut butter and similar legume food products wherein the legume is converted into a butter, the improvement which comprises subjecting the butter in the presence of water to the action of a proteolytic enzyme at an incubating temperature, and thereafter destroying said enzyme.

7. The method of preparing peanut butter which comprises grinding roasted peanuts in the presence of an aqueous solution of a proteolytic enzyme having a pH value between 3.8 and 5, maintaining the resulting product at a temperature about 95–100° F. for approximately twenty-four hours, and thereafter pasteurizing the product at a temperature in the neighborhood of 170° F.

2,294,683

DOOR CHECK

John W. Murphy, Concord, Mass.

Application July 25, 1939, Serial No. 286,305
3 Claims. (Cl. 292—99)



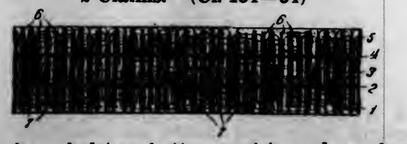
1. For engagement with a strike adapted to be carried by a door, a door check comprising, in combination, a casing adapted to be secured to the baseboard or wall of a room, a latching member pivoted in the casing and provided with a shoulder, plunger means reciprocable in the casing and adapted to actuate directly the latching member to engage the strike upon inward movement of the plunger means by the door, and an oscillatable dog carried by the plunger means and adapted to engage the shoulder of the latching member to disengage the latching member and the strike upon inward movement of the plunger means by the door.

2,294,684

UPHOLSTERY BATT

Fred A. Nachman, Jr., Chicago, Ill., assignor to Nachman Spring-Filled Corporation, Chicago, Ill., a corporation of Illinois

Application May 27, 1940, Serial No. 337,368
2 Claims. (Cl. 154—54)



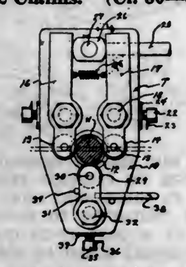
1. An upholstery batt comprising a lower layer of fibres disposed in superimposed thin veils in laminated relation to each other, a similar upper layer, an intermediate similarly constructed layer of appreciable depth the component fibres of which are coated with an adhesive material which, when set, remains permanently resilient, and a series of relatively closely grouped substantially vertically disposed fibres coated with said adhesive material and extending from substantially a face of said layer through the latter and into and substantially through the first-named layer of uncoated fibres disposed over the opposite face of said intermediate layer, said vertical fibres being bonded by said adhesive coating with fibres of the several veils through which they pass and constituting permanently resilient spring-like components of the batt for maintaining the initial resiliency thereof.

2,294,685

KNURLING TOOL

William Nelson, Racine, Wis., assignor to Racine Universal Motor Company, Racine, Wis.

Application May 19, 1941, Serial No. 394,125
2 Claims. (Cl. 80—5.1)



1. A knurling tool comprising, a head, a shank carried by said head, the head and shank having an opening for receiving the work, a pair of levers rockably mounted intermediate their ends on one side of the opening, independent knurling rolls rotatably carried by the inner ends of the levers, said rolls being arranged in transverse alinement relative to the head with their axis at one side of the diametric center of the opening, means for operating the levers for moving the rolls into and out of operative position, a swinging lever mounted on the head on the opposite side thereof from the pivots of the first-mentioned levers, a knurling roll carried by the inner end of the last-mentioned lever, means for swinging the last-mentioned lever for moving the knurling roll carried thereby into and out of work-engaging position, said last-mentioned knurling roll being arranged between the two first-mentioned knurling rolls when the rolls are in their operative work-engaging position.

2,294,686

REFRIGERATOR CABINET

Delbert F. Newman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 13, 1941, Serial No. 422,893
8 Claims. (Cl. 62—2)



1. In a refrigerator of the type having spaced-apart inner and outer walls defining a food storage compartment, thermal insulation between said walls, refrigerating means for cooling the storage compartment, and temperature responsive means for controlling the temperature within said compartment, said temperature responsive means having a shaft extending therefrom for providing means for the manual adjustment of the temperature responsive means, said outer wall having an opening, said control means being disposed so that said shaft is aligned with said opening, a knob removably carried by said shaft, means for sealing the space between said knob and said outer wall in order to prevent the passage of moisture into said thermal insulation and for minimizing heat leakage through the opening, said means comprising a substantially cup-shaped member extending through said opening between the edges of said opening and said knob and having an aperture aligned with said shaft and said opening, sealing means between said cup-shaped member and said outer wall, and additional sealing means between the edge of said aperture and a portion of said knob.

2,294,687

TELEGRAPH PRINTER

Harry J. Nichols, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Original application November 4, 1939, Serial No. 302,877. Divided and this application November 29, 1940, Serial No. 367,714
11 Claims. (Cl. 197—49)



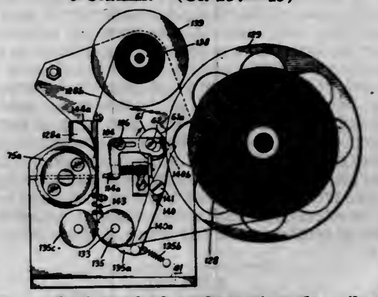
1. In a device of the character described comprising a double typewheel, means for bringing said wheel to a stop in a selected position, printing means mounted for movement radially of said typewheel and into engagement therewith, and means for axially shifting said wheel including a radially movable member positioned automatically in the path of movement of said printing means to be moved radially thereby in said selected position of said typewheel, and means effective upon radial movement of said member by said printing means to change the radial movement of said member to axial movement thereof to produce axial shift of said wheel.

2,294,688

TELEGRAPH PRINTER

Harry J. Nichols, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

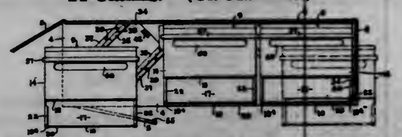
Original application November 4, 1939, Serial No. 302,877. Divided and this application November 29, 1940, Serial No. 367,715
6 Claims. (Cl. 197—49)



1. In a device of the character described, a rotatable shaft, a crank on said shaft, a printing platen, means mounting said platen for oscillation and movement of translation, spring means cooperating with said platen and resisting translation thereof, means on said platen engageable by said crank during a portion of the rotation

of said shaft to translate said platen against the force of said spring means to stress said means and to thereby cock said platen, means locking said platen in cocked position, and means on said platen engageable by said crank during another portion of the rotation of said shaft to oscillate said platen and release the latter from said locking means for operation by said spring means.

2,294,689
VENDING CABINET
Charles L. O'Reilly, New York, N. Y.
Application May 10, 1939, Serial No. 272,834
14 Claims. (Cl. 312—152)



11. In a cabinet of the class described, the combination of a common base member, reversible cabinet sections having opposite operative fronts, either of which fronts may be presented on a common operative front, a rear panel in close proximity to and covering the inoperative fronts of the cabinet sections, and means mounted on said base for supporting and guiding the reversible cabinet sections, and whereby said sections may be moved laterally relative to said rear panel and rotated relatively to each other to present different combinations of cabinet section fronts on the operative front with all sections in close alignment on said operative front.

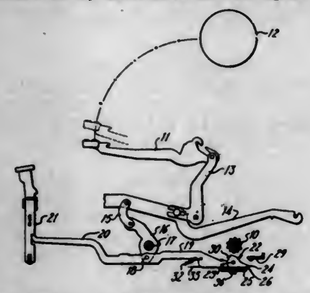
2,294,690
PREWRAPPED BOX
William H. Perry, Brookline, Mass.
Application September 1, 1938, Serial No. 227,903
2 Claims. (Cl. 229—6)



1. A box comprising a tubular member formed of a plurality of hingedly connected walls folded upon themselves to form a collapsed carton, a single end flap at each end of said carton, both of said end flaps formed from separate pieces of carton material and secured in overlapping relation to opposite ends of the same carton wall, an outer tubular wrap extending completely and continuously around said tubular member and beyond the ends thereof to a distance sufficient to cover at least a majority of the area of both end flaps but not beyond the ends of said end flaps, said wrap being secured to said carton at said end flaps only whereby upon erection of said box and closure of said end flap the first operation in the closure of the extending portion of said wrap will be performed simultaneously, said outer wrap being free from said carton walls so that said carton may be erected or collapsed without causing any strain or puckering of the wrap at the carton corners.

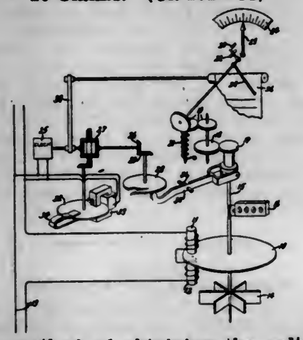
2,294,691
TYPEWRITING MACHINE
Henry L. Pitman, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application March 4, 1940, Serial No. 322,079
10 Claims. (Cl. 197—17)

1. In a typing machine; the combination with an operatable part, and a rotary toothed-snatch-roll, of a connector connected to said part, a toothed pawl pivoted on said connector, said connector being movable into position for meshing said pawl with said snatch roll, said pawl being initially rotatable to a stop position relatively to said connector by said snatch roll upon meshing



with the latter, and means against which said pawl reacts during its rotation relative to said connector so as to cause said pawl to act as a lever upon said connector to move said connector initially at a part-operating speed different from the linear speed of the snatch roll teeth.

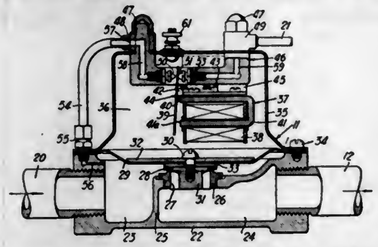
2,294,692
MEASUREMENT OF VOLT AMPERE DEMAND
William H. Pratt, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application February 24, 1940, Serial No. 320,603
10 Claims. (Cl. 171—34)



1. The method of obtaining the volt-ampere demand of a power circuit which consists in integrating the ampere hours of the circuit over time intervals which vary directly as the voltage of such circuit.

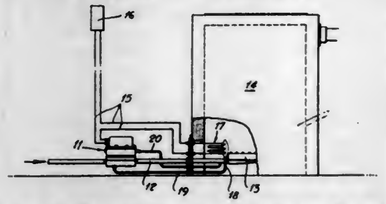
2,294,693
PILOT-OPERATED VALVE
William A. Ray, Glendale, Calif.
Application August 2, 1938, Serial No. 222,673
13 Claims. (Cl. 137—139)

1. In a fluid pressure operated control valve, in combination, a main valve casing having an inlet and an outlet, a ported partition separating said inlet and said outlet and provided with a main valve seat, a housing covering an opening in the upper wall of said casing, a flexible diaphragm member in said opening and defining with said housing and said casing an upper and a lower pressure chamber respectively, a main valve member connected to said diaphragm member and cooperable with said main valve seat, a pilot valve structure mounted within said housing for controlling the operation of said main valve, said pilot valve structure having a jet member through which fluid can pass, a pivoted



armature cooperating with said jet member and having an open and a closed position with respect thereto, an electromagnet for attracting said armature to one of said positions, and means constantly urging said armature toward the other of said positions.

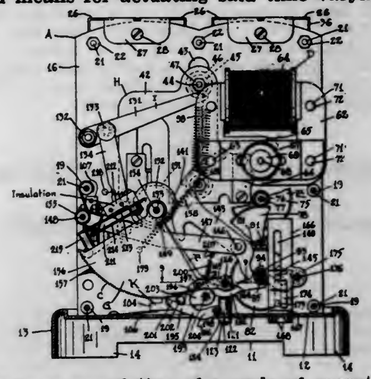
2,294,694
CONTROL SYSTEM
William A. Ray, Glendale, Calif.
Application June 7, 1940, Serial No. 339,404
5 Claims. (Cl. 158—117.1)



1. In a heating control system for a room: a furnace for heating said room and remote therefrom; a burner for said furnace; a valve for controlling the supply of fluid fuel to said burner and located in the vicinity of said furnace; sensitive electrically operated means associated with said valve for controlling the operation thereof; a thermoelectric generating device for energizing said electrically operated means and subjected to the heat of combustion of fuel adjacent said burner; a thermostat in said room; and a circuit composed of ordinary electric house wiring and interconnecting the electrically operated means, the thermoelectric device and said thermostat; said thermoelectric device being of such size and capacity that it can be properly heated by a small flame such as that of an ordinary pilot burner, and comprising a plurality of thermocouples interconnected in electrical series to produce a voltage that is relatively high so that the current required for the operation of said means is low and the power loss in said wiring is correspondingly low.

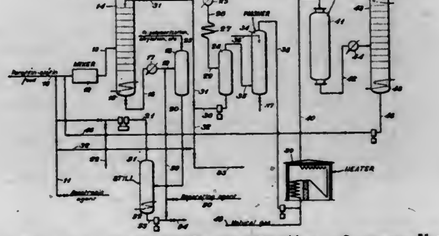
2,294,695
FOOD COOKING DEVICE
Robert Sardeson, Minneapolis, Minn., assignor to Harold C. Genter, Miami Beach, Fla.
Application August 4, 1938, Serial No. 223,063
28 Claims. (Cl. 161—16)

1. In combination a periodically operable time measuring device, a time controlled, time varying device depending solely upon the lapse of time for varying the duration of the periods of time measured by said time measuring device and means for actuating said time varying de-



vice upon completion of a cycle of operation of said time measuring device.

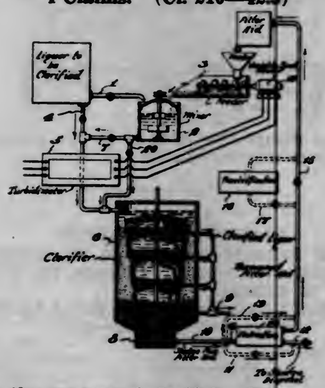
2,294,696
OLEFIN PRODUCTION
George E. Schmitkons, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 14, 1938, Serial No. 245,549
2 Claims. (Cl. 260—683)



1. In a process for the production of normally gaseous olefins from a hydrocarbon mixture comprising normally gaseous paraffinic and olefinic hydrocarbons having the same number of carbon atoms, the steps comprising adding to said hydrocarbon mixture sulfur dioxide to form an azeotropic mixture therewith, distilling said azeotropic mixture into a fraction containing predominantly paraffinic azeotropes and a fraction containing predominantly olefinic azeotropes, cooling said paraffinic azeotrope until a separation of paraffinic hydrocarbons and sulfur dioxide is obtained, separating said paraffinic hydrocarbons and said sulfur dioxide, cooling said olefinic azeotrope, adding to said cooled olefinic azeotrope a separating agent comprising an aqueous solution of a compound selected from the group consisting of water-soluble organic amines, alkali thiocyanates and alkali iodides, recovering olefinic hydrocarbons present in said olefinic azeotrope from sulfur dioxide and said separating agents, subjecting said separated paraffinic hydrocarbons to dehydrogenation to convert a substantial amount but substantially less than all of said paraffinic hydrocarbons to olefinic hydrocarbons having the same number of carbon atoms and to produce a small amount of hydrocarbons having a lesser number of carbon atoms than the hydrocarbons of the first-mentioned hydrocarbon mixture, separating said hydrocarbons having a lesser number of carbon atoms formed in

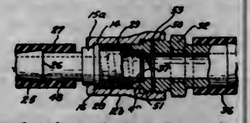
said dehydrogenation from said olefinic hydrocarbons having the same number of carbon atoms as said separated paraffinic hydrocarbons, returning said olefinic hydrocarbons and unconverted paraffinic hydrocarbons to be mixed with said sulfur dioxide and separating said unconverted paraffinic hydrocarbons from said olefinic hydrocarbons by azeotropic distillation.

2,294,697
CLARIFICATION AND DECOLORATION OF LIQUIDS
John J. Seip, Allentown, Pa.
Application May 13, 1938, Serial No. 207,838
4 Claims. (Cl. 210—42.5)



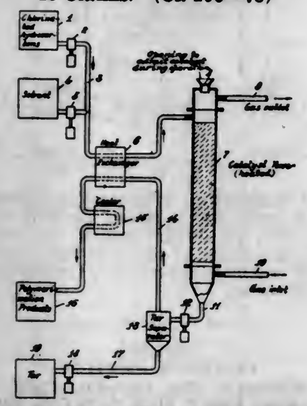
1. In the process of clarifying liquors containing suspended solids in varying amount, the steps which comprise suspending additional solids in such a liquor in such proportions that the total resulting turbidity is controlled at a substantially constant value and subjecting the resulting liquor to sludge bed filtration in such manner that the suspended solids in the liquor are entrapped in said sludge bed and serve to maintain said bed.

2,294,698
SWIVEL JOINT
Leeman F. Strout, Stamford, Conn.
Application May 29, 1940, Serial No. 337,751
1 Claim. (Cl. 285—97.8)



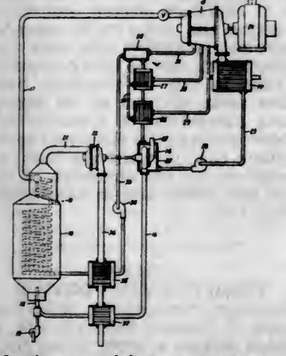
In a swivel joint of the character described, a sleevelike body having a longitudinal passage therein and an internal shoulder adjacent one end thereof, a sleeve in said passage having an end portion projecting from the latter end of the body and provided with means for connecting a hose thereto, an external flange on said sleeve cooperating with said shoulder to prevent axial movement, the inner end portion of said sleeve being of reduced outer diameter from that of the outer end portion of the sleeve on the other side of the flange sufficiently to give room for a packing and to provide for use of a body of conventional size for the size of hose used, a packing embracing the reduced portion of the sleeve, a follower for the packing embracing the inner end portion of the sleeve to form a supporting bearing for this end of the sleeve, and means for connecting a hose to the body at the opposite end from said first connecting means.

2,294,699
PRODUCTION OF POLYMERIZATION AND CONDENSATION PRODUCTS FROM CHLORINATED HYDROCARBONS
Erich Steffen, Berlin, Germany, vested in the Alien Property Custodian
Application June 28, 1939, Serial No. 281,758
In Germany October 15, 1938
15 Claims. (Cl. 196—78)



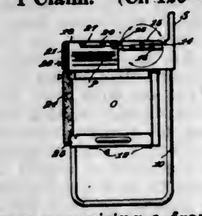
12. A continuous method of polymerization and condensation, comprising chlorinating hydrocarbon products such as a paraffin wax and paraffinic hydrocarbon oils, passing the chlorinated products to which cyclic hydrocarbons are added, after dissolving them in a nonreacting diluent, at temperatures between 310 and 350° F. over a catalyst consisting of aluminum carbide to which small amounts of metals having condensing catalytic action are added, thereby removing the chlorine in the form of hydrogen chloride, and recovering the valuable lubricating oils from the products produced.

2,294,700
ELASTIC FLUID POWER PLANT
Richard Strochlen, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application September 9, 1940, Serial No. 356,097
In Germany October 13, 1939
1 Claim. (Cl. 60—49)



Power plant comprising a pressure combustion boiler having a heating element, means including a compressor for supplying air to the boiler to maintain combustion therein, an elastic fluid extraction turbine with a condenser connected to the heating element, a gas turbine for receiving combustion gases from the boiler, a feed water preheating arrangement including first, second and third devices connected in series between the condenser and the element, the first device being arranged in heat exchange relation with the compressor to receive heat of compression therefrom, the second device being connected to receive preheated feed water from the first device and heating fluid from the turbine and the third device being connected to receive preheated feed water from the second device and combustion gases from the gas turbine, and a surface type heat exchanger connected to receive compressed air from the compressor and combustion gases discharged from the third device.

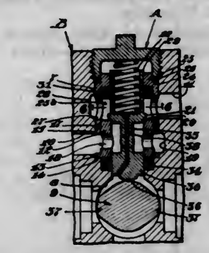
2,294,701
TABLE TOP BROILER
Jacob Teller, Chicago, and Arthur P. Schulz, Hinsdale, Ill., assignors to G. and J. Teller, Chicago, Ill., a partnership composed of Grace Teller and Jacob Teller
Application October 8, 1938, Serial No. 234,008
1 Claim. (Cl. 126—39)



A gas range comprising a frame, an oven suspended by the frame, a broiler compartment supported by the frame above the oven, a door pivotally connected adjacent the bottom of the oven with its upper edge substantially flush with the bottom of the broiler compartment when in closed position, and a broiler burner cover section, pivot means at the rear of said burner cover supporting said cover for vertical swinging movement toward and from the upper edge of the oven door, said pivot means including a hollow lug carried by the frame adjacent one rear corner of said cover and having a gas supply pipe projecting therefrom, said pivot means further including a complemental hollow lug on a rear corner of said cover and engaged rotatably on said pipe, a broiler burner carried by said cover and communicating with the last mentioned lug, the broiler burner cover section including a panel for closing the front of the broiler compartment and the panel having its free edge contiguous the upper edge of the oven door and its outer surface in the vertical plane of the outer surface of the oven door when the broiler burner cover section and oven door are both in closed position.

2,294,702
BALANCED HYDRAULIC VALVE
Jacob B. Van Der Werff, Pasadena, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application April 18, 1941, Serial No. 389,121
12 Claims. (Cl. 251—132)

1. In a balanced poppet valve, a tubular seat member having a port between its ends and a valve seat at its outer end, a sealing sleeve in axial alignment with and engaging said seat member and having a port adjacent said seat, a valve member associated with said seat, spring means urging said valve member towards its seat, piston-like members connected with the valve member and slidable in said sleeve and said seat member respectively, and sealing means

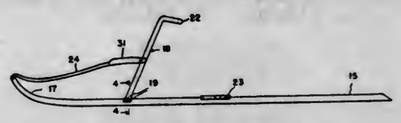


apart from and encompassing the piston-like member associated with said seat member for sealing the inner end of said seat member.

2,294,703
WRINKLE FINISH COMPOSITION AND METHOD OF MAKING
William A. Waldie, Dayton, Ohio, assignor to New Wrinkle, Inc., Dayton, Ohio, a corporation of Delaware
No Drawing. Application May 3, 1939, Serial No. 271,590
24 Claims. (Cl. 260—19)

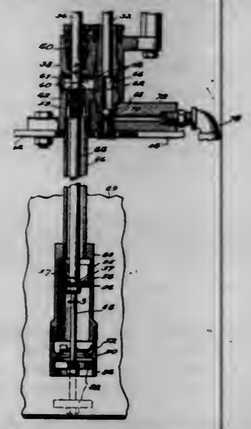
1. An improved method of making a wrinkle finish the steps of (*a*) mixing ¼ to ¾ of the total amount of resin to be used of the total amount of a wrinkle oil selected from the class consisting of raw China-wood oil, raw oiticica oil, and raw poyok oil, together with heat bodied linseed oil, and heating to a temperature between 450° F. to 540° F., (*b*) adding a metallic drier, (*c*) adding the remainder of the resin and dissolving the same in the mixture, (*d*) rapidly chilling the liquid without the use of thinners, and adding thinners to produce a spray varnish having low viscosity and superior spray qualities.

2,294,704
SLED
Severin Ware, Detroit, Mich.
Application October 21, 1940, Serial No. 362,121
6 Claims. (Cl. 280—23)



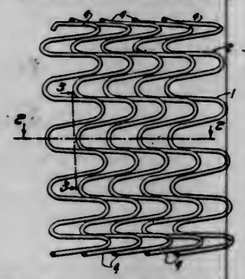
4. A sled having laterally spaced side runners comprising flat relatively thin strips positioned to have an edge engagement with the ground, a cross member connecting the front ends of the runners, a substantially vertical one-piece tubular brace of inverted U-shaped configuration having the free ends respectively connected to the side runners intermediate the ends of the latter and having the base portion thereof forming a hand grip, cooperating interengaging means on the lower ends of the leg portions of the U-shaped brace and on the side runners forming a readily detachable connection therebetween, and means connecting the tubular brace to the cross member including springs operable to maintain the cooperating interengaging means on the lower ends of said tubular brace and runners in engagement.

2,294,705
BARREL PUMP
Reuben Wedeberg, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 15, 1940, Serial No. 365,754
7 Claims. (Cl. 103—195)



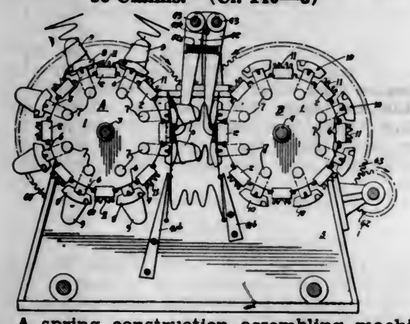
1. In a lubricant compressor of the class described, a member having a cylinder therein, a piston rod extending through said cylinder and reciprocable therein, valved piston means located in said cylinder and carried by said rod, said member having a cylindrical extension at one end thereof, a piston secured to said rod beyond the end of said cylinder and adapted to take a position below the lower end of the cylindrical extension during a portion of the stroke of said rod and adapted to move into said cylindrical extension when the piston rod approaches one end of its stroke, a flow passage connecting said cylinder with said cylindrical extension, and a check valve situated in said flow passage.

2,294,706
BALE OF SPRINGS
Fred R. Zimmerman, Chicago, Ill., assignor to Nachman Springfilled Corporation, Chicago, Ill., a corporation of Illinois
Application May 8, 1939, Serial No. 272,419
3 Claims. (Cl. 206—65)



3. A flat sinuous wire spring of helical contour and uniform pitch and average diameter throughout its length and having its flat faces disposed equiangularly to the axis of the helix formed thereby, the pitch of the latter and the angle of said faces to said axis being such that the inner and outer faces of the spring overlap each other over substantially half the width of the spring.

2,294,707
DRUM FEED SPRING ASSEMBLING MACHINE
Fred R. Zimmerman, Chicago, Ill., assignor to Nachman Spring-Filled Corporation, Chicago, Ill., a corporation of Illinois
Application July 31, 1940, Serial No. 348,788
36 Claims. (Cl. 140—3)



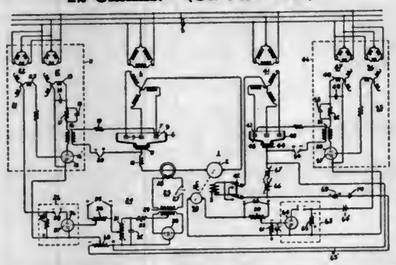
1. A spring construction assembling machine including a traveling carrier for rows of springs, an opposed traveling member adapted for cooperation with the first-named member for effecting partial compression of the springs at a predetermined point in the simultaneous travel of both said members, mechanism for imparting intermittent motion to both said members, in unison, cooperating means on said members for bringing the rows of springs successively into overlapping relation at a predetermined point in the travel of said members at which said springs are under compression, and mechanism for automatically feeding helical tie wires into encircling relation to said overlapped spring portions while said members are at rest.

2,294,708
WINDOW LOCK
Bacyl W. Barnett, O'Brien, Tex.
Application February 26, 1940, Serial No. 320,900
1 Claim. (Cl. 292—42)



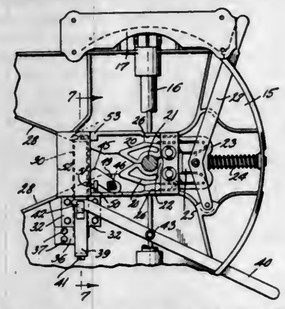
A window sash locking mechanism comprising an elongated casing adapted to be rigidly attached to the upper side of a window sash and of a length substantially equal to the width of said window sash, a pair of axially aligned latch bolts in said casing, the adjacent inner ends of each latch bolt being bent laterally to define a handle portion, a slot centrally formed in a side wall of said casing through which said handle portions are adapted to project and spring means within said casing acting on each of said latch bolts to urge the same apart in directions outwardly of said casing, said casing including an attaching flange in the plane of the bottom wall and integral therewith and projecting forwardly of the front wall of said casing, said flange being provided with a row of screw receiving openings, transverse partitions in said casing slidably supporting said latch bolts, there being a pair of longitudinally spaced partitions for each latch bolt, said spring means comprising a coil spring arranged between each pair of partitions surrounding an associated latch bolt, each said spring being seated at one end on the innermost partition and at its other end on a washer fixedly attached to said latch bolt.

2,294,709
ELECTRIC MOTOR CONTROL SYSTEM
Hans Bechmann, Berlin-Charlottenburg, Johannes Förster, Berlin, Gustav Reinhardt, Berlin-Frohnau, and Max Stöhr, Berlin-Hermsdorf, Germany, assignors to General Electric Company, a corporation of New York
Application June 14, 1940, Serial No. 340,604
In Germany July 8, 1939
12 Claims. (Cl. 172—239)



1. In combination, a motor of the direct current type having an armature and a field winding, electric valve means for supplying current to said armature winding, regulating means responsive to a predetermined operating condition of said motor for said last mentioned means to establish predetermined different values of constant current to be transmitted to said armature winding, and means responsive to the speed of said motor for variably energizing said field winding to maintain the speed of said motor constant.

2,294,710
COUPLING DEVICE FOR VEHICLES
Walter E. Berg and John C. Elikofer, Buffalo, N. Y.
Application November 30, 1940, Serial No. 368,020
8 Claims. (Cl. 280—33.1)

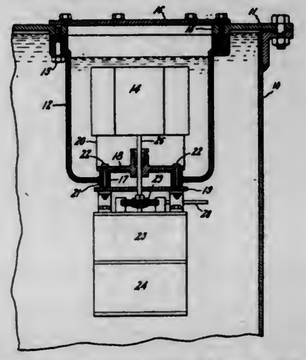


1. In a fifth wheel coupling device for vehicles, comprising primary coupling members on the two vehicles which cooperate to automatically couple the vehicles together by movement of one vehicle into coupling relationship with the other, an auxiliary coupling member mounted on one vehicle to move laterally in a generally horizontal direction transverse to the direction of said coupling movement of the vehicle, to and from a position to obstruct the uncoupling movement of the primary coupling member on the other vehicle which is necessary to disconnect the vehicles, spring means which automatically shift said auxiliary coupling member into and retain it releasably in said obstructing position upon the coupling together of the vehicles, manual means for retracting said member from said obstructing position, and a spring actuated pivoted trigger which normally holds said auxiliary coupling member out of such obstructing position and which is moved to release said member by the movement of one vehicle into coupling relation to the other vehicle.

2,294,711
DIRECT PROCESS DUPLICATING FLUID
Johan Bjorksten, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
No Drawing. Application July 31, 1941, Serial No. 404,834
4 Claims. (Cl. 41—31.6)

1. A solvent adapted for use in direct process duplicating comprising ethyl alcohol, and a polyhydric alcohol containing at least two oxy groups on a branched carbon chain, said polyhydric alcohol being distillable without decomposition at atmospheric pressure.

2,294,712
TRANSFORMER TAP CHANGER ARRANGEMENT
Karl Bölte, Berlin-Karlshorst, Germany, assignor to General Electric Company, a corporation of New York
Application July 31, 1940, Serial No. 348,959
In Germany August 4, 1939
3 Claims. (Cl. 171—119)

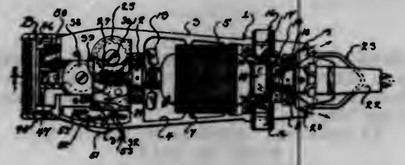


1. In combination, a transformer having an enclosing tank containing an insulating liquid, a cover for said tank, tap changer apparatus for said transformer, a casing of insulating material suspended from said cover within said tank and extending into the insulating liquid, the interior of said casing being fluid tight from space in said tank exterior of said casing, arcing contacts of said tap changer apparatus arranged within said casing and a selector switch mechanism arranged within said tank outside of said casing, said switches being interconnected by a common operating shaft extending through a wall of said casing.

2,294,713
ELECTRIC HAIR CLIPPER
Julius W. Boerger, Racine, Wis., assignor to All-over Manufacturing Co., Racine, Wis.
Application March 23, 1940, Serial No. 325,557
4 Claims. (Cl. 30—195)

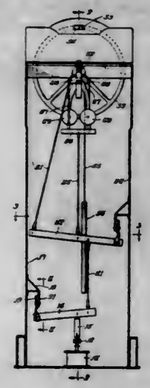
1. In an electric hair clipper of the type including, an elongated casing, a blade unit carried by the forward end of the casing, and an electric motor mounted in the casing for actuating the blade unit; the forward end of said casing being

spaced from said blade unit to provide an air inlet, discharge openings formed in the rear end of said casing, a screen covering said inlet to prevent the entrance of hair and foreign matter



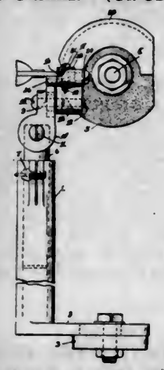
into said casing, an impeller mounted upon the forward end of the motor for drawing air through said inlet, and a second impeller mounted upon the rear end of the motor for removing air introduced into the casing by the forward impeller.

2,294,714
WEIGHING SCALE
Andrew G. Brown, Chicago, Ill., assignor to Triner Scale & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 19, 1940, Serial No. 341,245
2 Claims. (Cl. 265—61)



1. In a weighing-scale having in combination, a first transmission-lever extending in one direction from its fulcrum, a scale-platform, means to rock said lever on its fulcrum by the weight of the load on said scale-platform, a second transmission-lever extending from its fulcrum in a direction substantially the opposite of that of said first transmission-lever from its fulcrum, means operatively connecting said first transmission-lever to said second transmission-lever whereby turning of said first transmission-lever on its fulcrum causes said second transmission-lever to turn on its fulcrum, a compound-lever weight-absorbing means including a pair of eccentric-sectors, an equalizer, tapes connected to and cooperating with the eccentric surfaces of said sectors and also connected to said equalizer, a movable weight-indicating means, a member to actuate said equalizer, means to operate said weight-indicating means, and means counterbalancing said foregoing mechanism when there is no load on the scale-platform, the novel cooperating features being a universal-movement mounting for the fulcrum of each of said transmission-levers, said equalizer actuating-member directly operatively connecting said second transmission-lever to said equalizer, said weight-indicating operating-means comprising a drum and a tape directly operatively connecting said drum to said second transmission-lever, the fulcrum-mounting for at least one of said transmission-levers, including a knife-edge fulcrum-bar fixedly mounted on the lever, a bracket supported on the scale, a cylindrical-member carried by said bracket, a hanger having a circular knife-edge bearing surrounding and bearing on said cylindrical-member, and a pair of spaced-apart, self-aligning bearing-blocks carried by said hanger and on which the knife-edge of said fulcrum-bar bears.

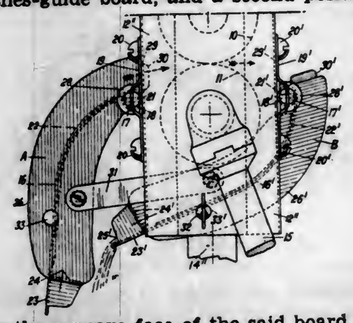
2,294,715
APPARATUS FOR SHARPENING SKATES
Philip Bruno, Rochester, N. Y.
Application March 16, 1942, Serial No. 434,911
6 Claims. (Cl. 51—102)



1. In a skate sharpening apparatus adapted for use with a spindle and a grinding wheel carried by said spindle, the combination of an upright, a bracket supported by said upright, guide means spacedly held by said bracket on each side of said grinding wheel, a supporting member movable on said guide means while spacedly embracing a portion of said grinding wheel, a supporting ledge on said supporting member, said supporting ledge having a recess therein, and a feed screw revolvably mounted in said bracket and in threaded engagement with said supporting member to provide for the movement of said supporting member toward and away from said grinding wheel and cause said grinding wheel to adjustably project into the recess of said supporting ledge.

2,294,716
WRINGER
John Wotherspoon Burt, Glasgow, Scotland, assignor to Acme Wringers Limited, Glasgow, Scotland, a company of Great Britain and Northern Ireland
Application July 29, 1941, Serial No. 404,502
In Great Britain June 24, 1940
4 Claims. (Cl. 68—249)

1. In a wringer, in combination with upper and lower rollers, a pair of independently pivotally mounted board members of partly curved profile in cross section having convex and concave faces adjacent to their upper edges, and having, adjacent to their lower edges, plane faces tangential to said convex and concave faces, said board members being disposed at opposite sides of the wringer and each movable angularly between a first position in which the convex face of the respective board member is adapted to function as a clothes-guide board, and a second position in

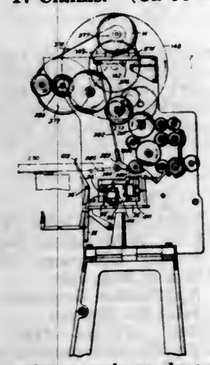


which the concave face of the said board member extends below the lower roller and is adapted to function as a water-drain board.

2,294,717
METHOD OF TREATING ANODIZED ALUMINUM SURFACES
Clifford R. Carney, Detroit, Mich.
No Drawing. Application January 24, 1940, Serial No. 315,331
5 Claims. (Cl. 117—135)

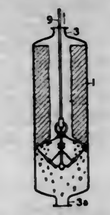
2. The method of sealing and waxing aluminum refrigerator trays and grids provided with anodized surfaces having capillary pores, which comprises compounding a liquid comprising 1 part by weight of carnauba wax and 12 parts by volume of commercial xylol, substantially completely filling said pores with said liquid by immersing said surfaces in the liquid while maintaining the temperature of the latter within the range of approximately 150° F. to approximately 170° F. whereby said liquid penetrates into said pores by capillary attraction, air-drying the surfaces thus treated, thereafter heating said surfaces to elevated temperatures within the range of 260° F. to 280° F. for driving off any remaining solvent and for fusing the carnauba wax into a continuous coating disposed over said surfaces and anchored within said pores.

2,294,718
STACKING MECHANISM
Fred M. Carroll, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 3, 1938, Serial No. 205,721, which is a division of application Serial No. 122,360, January 26, 1937. Divided and this application August 16, 1940, Serial No. 352,868
17 Claims. (Cl. 93—93)



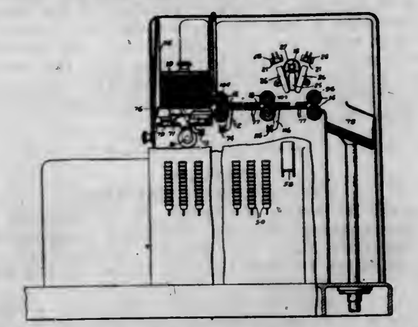
1. In a machine such as described, a movable stacker including a stacker pocket adapted while at a stacking station for staking articles such as cards or the like, a structure movable to and fro for striking the articles to aline them in the stack, means for moving the stacker to remove the stacker pocket from the stacking station, and means operable as an incident to the movement of the stacker for moving the structure out of the way of the stack in the pocket.

2,294,719
HYDRAULIC DISRUPTION OF SOLIDS
William Frederick Court, Webster Groves, Mo., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 3, 1940, Serial No. 355,141
3 Claims. (Cl. 299—69)



3. In apparatus for the hydraulic removal of coke from a coking chamber, the combination of a rigid, axially movable conduit, guide means adapted for attachment to said chamber for directing said conduit through said chamber, a swivel joint near the upper end of said conduit, means for rotating the lower end of said conduit below said swivel joint, means for axially moving said conduit, means for supplying liquid under pressure to said conduit, a plurality of nozzles spaced along said conduit near the lower end thereof disposed to emit jets of liquid falling substantially in converging surfaces of revolution.

2,294,720
APPARATUS FOR VERIFYING STATISTICAL DATA
Arthur H. Dickinson, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 25, 1939, Serial No. 286,446
8 Claims. (Cl. 73—54)



1. A machine of the character described comprising means for feeding individual records having data representations formed in differential positions in various columns of the records, said representations comprising index marks having different light controlling properties, means for

sensing simultaneously the columns of index marks for determining the differential positions of the said marks in the columns comprising light source means, and individual light responsive means for each column of data to be sensed the latter being conditioned at differential times by the light rays modified by the different light controlling properties of the sensed index marks, means controlled by the conditioned light responsive means for generating at the different times the index marks are sensed oscillations of different frequencies in accordance with light controlling properties of the index marks, settable mechanism with means for setting the same for representing different data patterns with which the index marks on the records should conform, means controlled thereby for initiating groups of timed impulses representing the data pattern set up in the said mechanism, means for determining if the times of initiation of the said oscillations and impulses correspond including means for determining if the frequencies of the oscillations initiated are in error, and means for indicating any disagreement between the sensed data and the data of the set up pattern represented by the said differentially timed oscillations of different frequencies and the said timed impulses respectively.

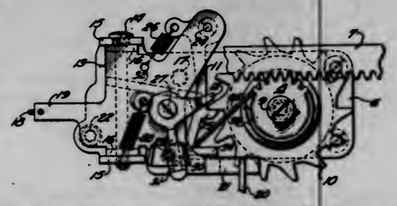
2,294,721

TYPEWRITING MACHINE

William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 29, 1940, Serial No. 343,110

2 Claims. (Cl. 197—88)



1. In an escapement feed mechanism for typewriting machines, having an escapement wheel spring-impelled to rotate forwardly and a holding dog normally engaging the wheel against forward rotation and movable out of wheel engagement; means for so moving the holding dog in response to reverse rotation of the wheel, comprising a cam on the holding dog having a stop at each cam end, and a throw-out member frictionally mounted to rotate with the wheel and having a part cooperative with said cam and engageable with said stops to limit rotation of said throw-out member.

2,294,722

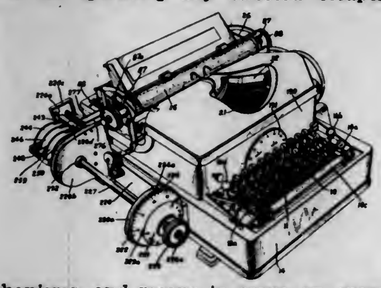
TYPEWRITING MACHINE

Ronald D. Dodge, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application October 12, 1938, Serial No. 234,563

37 Claims. (Cl. 197—84)

1. In a variable spacing typewriter, a carriage, a plurality of escapement mechanisms for said carriage, means to intercouple said escapement mechanisms to render any of them operable singly or in combination to enable the carriage to be fed a plurality of different extents, a manually settable selector device for selecting the escapement mechanisms for operation, operating means common to the escapement mechanisms for operating any selected escapement



mechanisms, and means to cause an operation of the operating means between words.

2,294,723

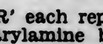
STABILIZED DRY ROSIN SIZE

Arthur C. Dreshfield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 4, 1940, Serial No. 368,448

9 Claims. (Cl. 106—218)

1. A stabilized dry size composition comprising saponified rosin and, as an anti-oxidant therefor, a secondary diarylamine having the general formula



wherein R and R′ each represents an aromatic radical, said diarylamine being present in an amount sufficient to render the composition substantially resistant to oxidation.

2,294,724

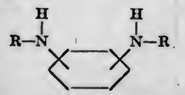
STABILIZED DRY ROSIN SIZE

Arthur C. Dreshfield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 4, 1940, Serial No. 368,449

8 Claims. (Cl. 106—218)

1. A stabilized dry size composition comprising saponified rosin and, as an anti-oxidant therefor, a phenylenediamine derivative having the general formula



wherein R represents an aromatic radical selected from the group consisting of phenyl, naphthyl, lower alkyl-phenyl, and lower alkoxy-phenyl radicals, said phenylenediamine derivative being present in an amount sufficient to render the composition substantially resistant to oxidation.

2,294,725

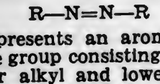
STABILIZED DRY ROSIN SIZE

Arthur C. Dreshfield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 4, 1940, Serial No. 368,450

8 Claims. (Cl. 106—218)

1. A stabilized dry size composition comprising saponified rosin, and, as an anti-oxidant therefor, a secondary monoarylamine having the general formula



wherein R represents a radical selected from the group consisting of lower hydroxy-alkyl, cyclohexyl, and hydrocarbon-substituted cyclohexyl radicals, said monoarylamine being present in an amount sufficient to render the composition substantially resistant to oxidation.

2,294,726

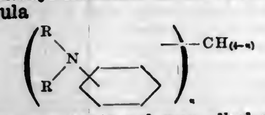
STABILIZED DRY ROSIN SIZE

Arthur C. Dreshfield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 4, 1940, Serial No. 368,452

6 Claims. (Cl. 106—218)

1. A stabilized dry size composition comprising saponified rosin and, as an anti-oxidant therefor, a diphenyl-methane derivative of the general formula



wherein R represents a lower alkyl radical and n represents an integer greater than 1 but less than 4, said diphenyl-methane derivative being present in an amount sufficient to render the composition substantially resistant to oxidation.

2,294,727

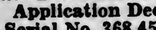
STABILIZED DRY ROSIN SIZE

Arthur C. Dreshfield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 4, 1940, Serial No. 368,453

4 Claims. (Cl. 106—218)

1. A stabilized dry size composition comprising saponified rosin and, as an anti-oxidant therefor, an aromatic azo compound having the general formula



wherein R represents an aromatic radical selected from the group consisting of phenyl, naphthyl and lower alkyl and lower alkoxy substituted phenyl and naphthyl radicals, said azo compound being present in an amount sufficient to render the composition substantially resistant to oxidation.

2,294,728

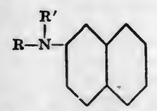
STABILIZED DRY ROSIN SIZE

Arthur C. Dreshfield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 4, 1940, Serial No. 368,455

8 Claims. (Cl. 106—218)

1. A stabilized dry size composition comprising saponified rosin and, as an anti-oxidant therefor, a beta-naphthylamine derivative having the general formula



wherein R represents a lower alkyl radical and R′ represents a substituent selected from the class consisting of hydrogen and lower alkyl radicals, said beta-naphthylamine derivative being present in an amount sufficient to render the composition substantially resistant to oxidation.

2,294,729

STABILIZED DRY ROSIN SIZE

Arthur C. Dreshfield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 4, 1940, Serial No. 368,456

4 Claims. (Cl. 106—218)

1. A stabilized dry size composition comprising saponified rosin and, as an anti-oxidant therefor, a natural product containing a substantial proportion of resinotannol compounds, said product being present in an amount sufficient to render the composition substantially resistant to oxidation.

2,294,730

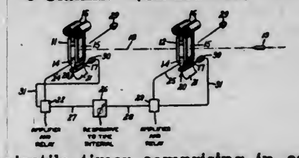
PROJECTILE TIMER

Ulrich Eggers, Berlin-Hermsdorf, Germany, assignor to General Electric Company, a corporation of New York

Application September 23, 1940, Serial No. 358,034

In Germany September 5, 1939

5 Claims. (Cl. 161—18)



1. A projectile timer comprising in combination, a pair of impulse producers spaced a predetermined distance apart and comprising open-sided casings through which a projectile or other similar object, the speed of which is to be determined, may pass, and means responsive to the time interval between electrical impulses, each of said casings containing a photoelectric device with electrical connections to the device responsive to time intervals, and each of said casings having light-impervious, readily ruptured sheet material covering the openings thereof, whereby light is admitted to the photoelectric device only when a projectile passes through the casing and ruptures said sheet coverings.

2,294,731

COLOR PHOTOGRAPHY

John Eggert, Leipzig, and Gerd Heymer, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 28, 1939, Serial No. 281,652. In Germany June 29, 1938

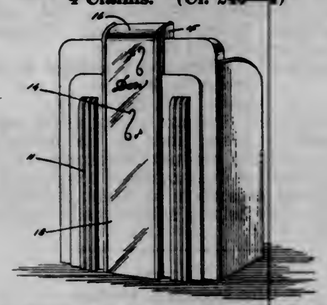
5 Claims. (Cl. 95—2)

1. A process for strengthening the hue of dyestuff pictures in a multi-layer material in each layer of which a different dyestuff picture is located which comprises precipitating the dyestuffs of said pictures by treating said material with a solution of as many dyestuffs as there are dyestuff pictures, each dyestuff having a color approximating that of a dyestuff picture but a pH on the side of the neutral point opposite to that of the dyestuff of said picture.

3. In a process for intensifying and correcting the hue of a photographic dyestuff picture con-

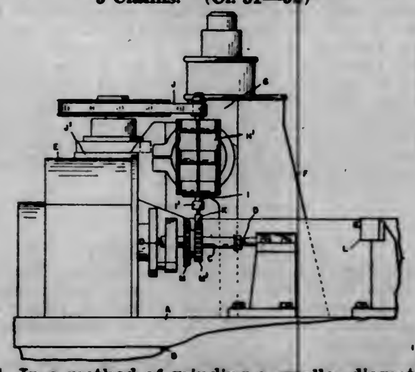
sisting of Fuller's Yellow, the step which comprises after-treating said dyestuff picture with Thioflavine.

2,294,732
ILLUMINATED MUSIC STAND
Theodore E. Dubay, Granite City, Ill.
Application November 7, 1941, Serial No. 418,249
4 Claims. (Cl. 240—1)



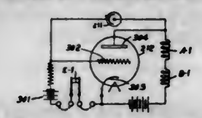
1. A music stand comprising a plurality of hingedly connected sections of sheet material adapted for folding flatwise upon each other and adapted when open for standing in an upright position to form a front section and a pair of side wings, a sheet music rack detachably supported to the stand behind the front section, a translucent panel in the front section and illuminating means carried by the stand behind the panel for illuminating said panel.

2,294,733
GRINDING MACHINE
Samuel G. Brady, Detroit, Mich., assignor to The Gear Grinding Machine Company, Hamtramck, Mich., a corporation of Michigan
Application March 3, 1941, Serial No. 381,583
3 Claims. (Cl. 51—92)



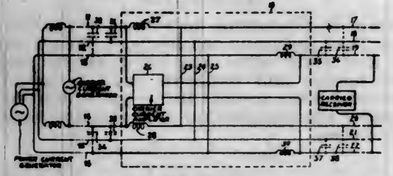
1. In a method of grinding a smaller diameter gear of a cluster, the steps of mounting the gears to be ground and a cylindrical grinder therefor with their axes perpendicular to each other and intersecting, said grinder being of a maximum radius less than the clearance space between adjacent gears of the cluster, trimming the outer end portion of the grinder to a contour in its axial plane corresponding to the interdental contour of the gear to be ground, and relatively moving said grinder and cluster gear to grind the full length of the teeth of the smaller diameter gear without interference from the adjacent larger diameter gear.

2,294,734
STATISTICAL MACHINE
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application May 11, 1938, Serial No. 207,281. Divided and this application March 6, 1941, Serial No. 381,939
4 Claims. (Cl. 235—61.7)



4. In a machine of the class described, means for successively feeding records bearing classification data designations, means for sensing the said designations on the records, data storing means having means controlled by the sensing means for storing successively the data sensed on said records, circuit control means operated by the said storing means, in accordance with the stored data derived from one record, at a time when the following record is being sensed, electron discharge means having input and output circuits, circuit means controlled jointly by the data sensing means and said circuit control means for controlling selectively the input circuit of the said discharge means in accordance with the agreement or disagreement of the data designations sensed on the said following record by the said sensing means and the data stored in the said storing means, thereby selectively controlling the conductivity of the electron discharge means, and means in the output circuit selectively controlled by the conductivity of the said discharge means in accordance with the agreement or disagreement of the sensed and stored data.

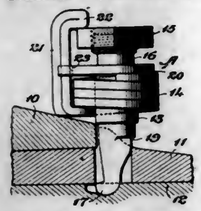
2,294,735
CARRIER CURRENT AMPLIFIER APPARATUS
Paul du Mont, Berlin-Spandau, Germany, assignor to General Electric Company, a corporation of New York
Application August 23, 1939, Serial No. 291,601
In Germany September 5, 1938
8 Claims. (Cl. 177—352)



1. In a power distribution system having two parallel conductors extending between substantially the same two geographically spaced points, means comprising a carrier current apparatus connected between said parallel conductors at one of said points for transmitting current of carrier frequency through said conductors to the other of said points, means at said one point connecting said conductors to maintain them at the same potential for current of power frequency and forming a shunt path around said apparatus, and means in said shunt path for reducing the transmission of current of carrier frequency therethrough without substantially reducing the transmission of power current, said last means being in a portion of said shunt path not including any portion of said conductors carrying current of carrier frequency to said other

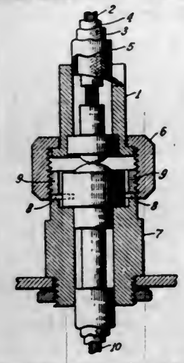
point, whereby said last means does not interfere with transmission of carrier current between said points.

2,294,736
RESILIENT RAIL FASTENER
George R. Burkhardt, Chicago, Ill.
Application October 21, 1941, Serial No. 415,963
17 Claims. (Cl. 238—349)



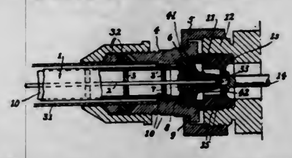
1. Means for resiliently fastening a rail upon a support, said means comprising an anchoring element to be anchored to the support, resilient means carried by said anchoring element for resilient holding cooperation with the rail, and releasable restraining means for said resilient means carried by said anchoring element and cooperable therewith to hold said resilient means abnormally energized and operatively disengaged from the rail during anchoring of said anchoring element and thereafter releasable with respect to said anchoring element to release said resilient means to permit said resilient means to operatively engage the rail and to resiliently hold the same upon its support.

2,294,737
ELECTRIC CONNECTOR
William A. Bruno, Astoria, N. Y., assignor, by mesne assignments, to Bruno Patents Inc., Long Island City, N. Y., a corporation of New York
Application October 18, 1940, Serial No. 361,681
2 Claims. (Cl. 173—328)



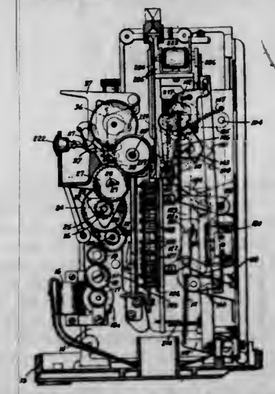
1. In an electric connector comprising a female part provided with an internally threaded tubular member, and an externally threaded tubular male part which is provided with two oppositely arranged inverted T-shaped slots, each of which consists of a longitudinal slot and a peripheral slot connected therewith, the threaded portion of said tubular male part having a slightly oval contour, said male part, owing to the resilience caused by the presence of said slots, being adapted to be screwed into a shock- and vibration-resistant engagement with said female part.

2,294,738
COUPLING MEANS FOR CABLES
William A. Bruno, Astoria, N. Y., assignor, by mesne assignments, to Bruno Patents Inc., Long Island City, N. Y., a corporation of New York
Application June 10, 1941, Serial No. 397,355
2 Claims. (Cl. 174—22)



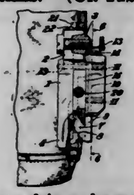
1. In a coupling means for electrically connecting cables, contact means comprising a slotted, cylindrical, female contact pin provided with a conical end portion at its outer end, and a recess adapted to receive a registering, cylindrical male contact pin; a cylindrical male contact pin provided with a shoulder having a conical recess registering with said conical end portion of said female contact pin, and locking means for causing tight electrical engagement of said slotted, cylindrical, female contact pin, and said cylindrical male contact pin by constriction contact and friction contact.

2,294,739
ELAPSED TIME RECORDER
Charles E. Connolly, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 17, 1941, Serial No. 411,247
5 Claims. (Cl. 234—43)



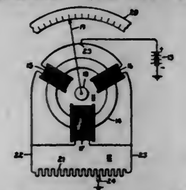
1. An elapsed time recorder comprising, in combination, a card receiver adapted to receive a record card, a manual operating handle for inserting the card fully into the receiver when the handle is operated, time-controlled card perforating means, means for determining whether the card has been inserted in a predetermined manner to control the operation of the perforating means accordingly to make perforations in the card representative of the starting time, a plurality of elapsed time wheels, and means for sensing the perforations when the perforated card is reinserted in a different predetermined manner for rotating said elapsed time wheels to differential extents dependent upon the location of the perforations, and elapsed time printing means effective upon positioning of said wheels to print elapsed time.

2,294,740
HEMMER ATTACHMENT
John P. Enos, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application November 23, 1940, Serial No. 366,795
12 Claims. (Cl. 112—141)



1. A sewing machine hemming attachment comprising a base-member, an arbor supported by said base-member and disposed so that its free end extends rearwardly in the general direction of feed, a hemmer-scroll cooperating with said arbor to hem-fold the marginal edges of fabric sections, and a slide-bar carrying said hemmer-scroll and adjustably supported by said base-member so that said hemmer-scroll may be adjusted relative to said arbor in a direction parallel to the normal line of feed of the fabric through said hemming attachment.

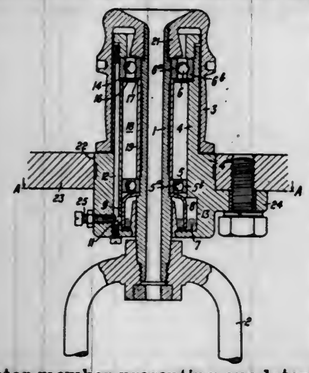
2,294,741
REMOTE INDICATOR
Daniels B. Fisk, Swampscott, and John R. Macintyre, South Peabody, Mass., assignors to General Electric Company, a corporation of New York
Application December 3, 1941, Serial No. 421,446
2 Claims. (Cl. 177—351)



1. A telemetering system comprising a receiver, a transmitter and a two-terminal current source, said receiver comprising three current-conducting coils arranged about a receiver axis, a rotor in inductive relation to said coils magnetized transversely to its axis of rotation and to the receiver axis, said coils being connected in series to form a continuous electrical path, one of said coils being of greater electromagnetic power than the other two coils, said transmitter comprising a resistor connected across the said more powerful coil and a brush movable along the resistor to make electrical contact with various points thereof in response to variations in an indication to be transmitted, the current source having one terminal connected to the junction terminal of the remaining two coils and the other terminal of the current source being connected to the transmitter brush.

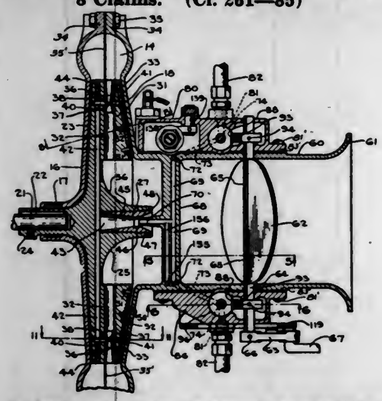
2,294,742
WHARVE DRIVEN FLYER SPINDLE
Gordon Scott Fraser, Arbroath, Scotland, assignor to Douglas Fraser & Sons Limited, Arbroath, Angus, Scotland, a corporation of Great Britain
Application March 26, 1942, Serial No. 436,235
In Great Britain March 28, 1941
6 Claims. (Cl. 57—115)

1. A wharve-driven flyer spindle unit comprising a hollow vertical spindle, a flyer suspended from the lower end of said spindle, a driving wharve on the upper part of said spindle, a housing for said spindle, upper and lower spindle bearings within said housing, a lubricant sump at the base of said housing, said sump having a circumferential wall disposed eccentrically to said spindle and formed with a port, a rotor member carried by and coaxial with said spindle,



said rotor member presenting one lateral boundary of a convergent passage leading to said port, a segment of said circumferential wall forming the other lateral boundary of said passage, and a duct leading from said port to said upper bearing, said rotor member dipping into the lubricant in said sump and adapted frictionally to sweep lubricant into said passage to flow through said port and through said duct to said upper bearing.

2,294,743
FUEL SUPPLY, CARBURETION, AND SUPERCHARGER SYSTEM AND APPARATUS FOR INTERNAL COMBUSTION ENGINES
Otis C. Funderburk, Weston, Mass.
Application September 11, 1940, Serial No. 356,364
8 Claims. (Cl. 261—85)



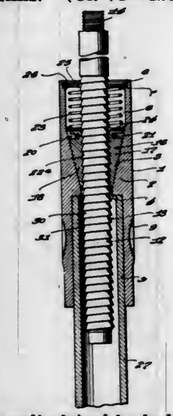
1. A fuel system for internal combustion engines, comprising in combination, a rotor having an axially arranged venturi; means for supplying fuel to said venturi; said rotor having a plurality of radially arranged ducts, said radially arranged ducts having communication with said axially arranged venturi, and means set up by the rotation of said rotor for passing air through said venturi and inducing the discharge of fuel into said venturi.

2,294,744
WOODEN AGING BARREL
Milton Gallagher, Louisville, Ky., assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky., a corporation of Indiana
Application August 17, 1939, Serial No. 290,586
3 Claims. (Cl. 217—72)



1. A wooden aging barrel having chimes and a coating of sealing material on said chimes, the surfaces of the barrel being otherwise substantially free of sealing material.

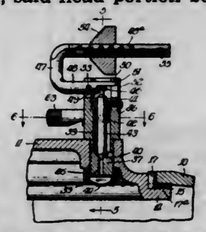
2,294,745
JACK
John Goetz, Troy, N. Y.
Application December 3, 1940, Serial No. 368,381
5 Claims. (Cl. 74—424.8)



1. In a jack, a cylindrical body having a thickened portion defining a cam surface, a shank having the greater portion of its length normally disposed within the body and having a thread, a split nut carried within the body and having sections, means retaining the sections in proper associated position, said split nut having a thread normally engageable with the thread of the shank and having a surface normally engageable with the cam surface, and a spring urging the sections of the split nut against the cam face whereby said sections will be moved toward the shank, the sections of the split nut being displaceable against the tension of the spring within the limits of said means upon movement of the shank for permitting said movement of said shank in one direction without rotation thereof, said split nut preventing movement of the shank in the opposite direction except by rotation thereof.

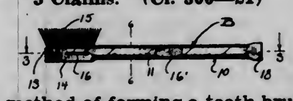
2,294,746
VALVE MEANS FOR PRESSURE COOKERS
Erik G. Grundstrom, Chicago, Ill., assignor to Advance Aluminum Castings Corp., Chicago, Ill., a corporation of Illinois
Application March 8, 1939, Serial No. 260,464
3 Claims. (Cl. 137—53)

1. A valve including, in combination, a housing having a valve seat and a reciprocable valve member biased to closing position upon said seat, a J-shaped lever hingedly supported by said housing, one leg of said J-shaped lever being provided with bifurcations, said valve member having a head portion adapted to be lifted by one of said bifurcations, said head portion being adapted to



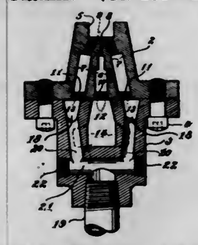
engage the other of said bifurcations to swing said lever as the valve opens, said other leg of said lever being provided with a weight adjustably mounted thereupon for varying the valve closing force of said lever, said valve being provided with means for holding said lever releasably in lifted position.

2,294,747
TOOTHBRUSH
Edgar A. W. Habeck and Edward T. Bessler, Milwaukee, Wis.
Substituted for abandoned application Serial No. 284,898, July 17, 1939. This application May 4, 1942, Serial No. 441,680
5 Claims. (Cl. 300—21)



1. The method of forming a tooth brush, which consists in first forming a section of paper into a tube; second, cutting the tube into desired lengths to form handles; third, slotting the forward ends of the tubular handles; fourth, placing brush bristles in the slot; and, fifth, compressing the sides of the slotted portion into contact with the bristles and extending a fastening member through the handles and bristles.

2,294,748
RIBBON FLAME BURNER
Hartwig Millard Hanson, Baltimore, Md., assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md., a corporation of Maryland
Application July 24, 1940, Serial No. 347,122
8 Claims. (Cl. 158—104)



1. A ribbon flame burner comprising elongated integral orifice and fuel feeding sections and means to laterally connect said sections together to form a closed body having therein a centrally extending chamber and a central row of closely

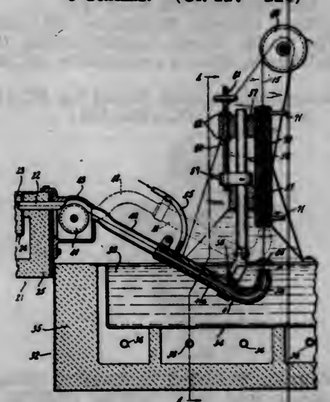
spaced orifices leading therefrom through said orifice section to the top thereof, and said body having therein interconnected lateral chambers extending one on each side of said central chamber and rows of closely spaced orifices in said orifice section on each side of and adjacent to said central row leading to the adjacent lateral chambers said fuel feeding section having therein a fuel inlet for said lateral interconnected chambers and a separate fuel inlet for said central chamber.

2,294,749
REFRIGERATOR CABINET
George C. Harbison, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application April 22, 1941, Serial No. 389,778
3 Claims. (Cl. 312—188)



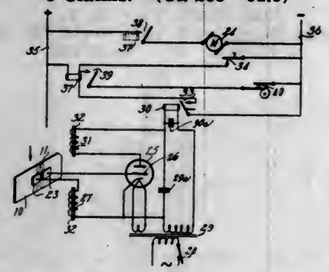
2. In a cabinet having interior rear and oppositely disposed side walls, an elongated shelf supporting member on each of said side walls, a shelf including a border frame of substantially U-shape in cross-section and extending around the side and rear portions of the shelf, said frame having an open side disposed outwardly, said supporting members being slidably received in the side portions of said frame members, means including a stop member for limiting outward sliding movement of said shelf, said stop member being slidably carried within the rear portion of said border frame, a horizontal portion of said frame in the vicinity of a rear corner of the shelf being formed inwardly to provide reinforcement for said slidable stop member.

2,294,750
METAL COATING
Arch W. Harris, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 23, 1939, Serial No. 280,895
6 Claims. (Cl. 117—114)



1. A method of applying a metallic coating to continuously traveling flexible metal work by dipping said work into a bath of molten coating metal capable of alloying therewith, comprising continuously cleaning said work free from substances retarding said alloying, enclosing said work before it reacquires said substances and so as to prevent it from subsequently reacquiring the same, guiding said cleaned and enclosed work to within said bath beneath its top and bending said work upwardly so it is directed toward said top while it remains enclosed, and then exposing said work to said bath while guiding it substantially straight upwardly therethrough until it is free from said top thereof, to apply a metallic coating to said work bonded thereto by an alloy layer.

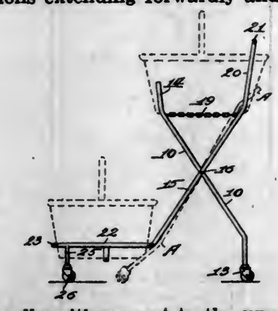
2,294,751
RECORD CARD CONTROLLED MACHINE
Laurence S. Harrison, Bronxville, and Otto Weitmann, Johnson City, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 8, 1939, Serial No. 277,974
3 Claims. (Cl. 235—61.6)



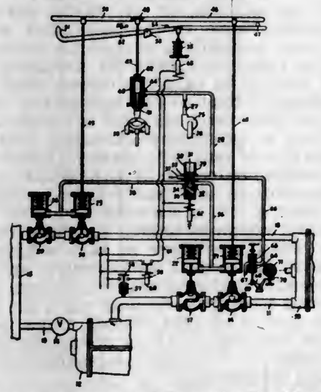
1. A control device for the record feeding means of a record controlled statistical machine, said machine having means for successively feeding individual records, each record being provided with data designations and with a layer of conductive material extending over an area defined by the top and bottom edges of each record, said device comprising electron discharge means having input and output circuits, a pair of separated conducting plates in the input circuit adapted to be capacitatively coupled by the presence of the conductive area of the record opposite thereto, means for guiding each record past the said plates, biasing means for impressing a biasing potential on the input circuit for rendering the electron discharge means non-conductive when the said conductive area of the record is opposite the plates comprising a plurality of inductively coupled windings and a source of potential connected to said windings, and means in the output circuit controlled by the said discharge means for causing the operations of the record feeding means to be modified whenever records without the provisions of said areas of conductive material are presented to and fed past the said conducting plates of the device.

2,294,752
MOBILE MERCHANDISING DEVICE
Carroll M. Hatfield, Los Angeles, Calif., assignor to Evelyn L. Heckert, Van Nuys, Calif.
Application May 29, 1940, Serial No. 337,849
1 Claim. (Cl. 280—41)

In a mobile merchandising device, a pair of frames, each including parallel side members, with the side members of one frame hinged to the side members of the other frame intermediate their ends, the upper portions of the side members of one frame extending above the upper ends of the side members of the other frame, a handle connecting the upper ends of the upwardly extended frame side members, cross rails connecting the upper portions of the side rails of both frames to provide a support for a receptacle, a flexible member connecting said cross rails for limiting the opening movement of the two frames, the lower portions of the side rails of the frame having the upwardly extending upper end portions extending forwardly and being offset outwardly with respect to the upper portions of said side members for the reception of an extra width receptacle, a transverse rail connecting the forward ends of the forwardly projecting offset portions of said rails, a transversely arranged receptacle supporting member disposed in a plane below the offset portions of said rails and having upturned ends that are connected to the intermediate portions of the offset forwardly projecting portions of said frame members and wheels supporting the lower ends of both frames.

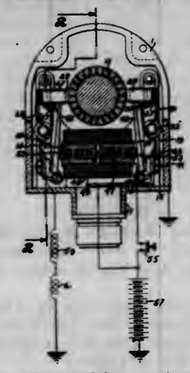


2,294,753
ELASTIC FLUID TURBINE ARRANGEMENT
Sverker N. Hedman, Stoneham, Mass., assignor to General Electric Company, a corporation of New York
Application November 28, 1940, Serial No. 367,565
9 Claims. (Cl. 137—158)



1. A system for supplying elastic fluid to a prime mover comprising means including a first conduit with a first throttle valve for conducting low pressure elastic fluid to a stage of the prime mover, a second conduit with a second throttle valve for conducting high pressure elastic fluid to said stage, a source of controlling fluid, means responsive to an operating condition of such prime mover to vary the pressure of the controlling fluid supplied by said source, hydraulic motor means for each throttle valve to position the valves in accordance with the variation in pressure of the controlling fluid from said source, means for selectively connecting either of the motor means to the source being normally positioned to effect the supply of controlling fluid from the source to the motor means controlling the first throttle valve, and means responsive to a condition indicating inability of the low pressure supply to meet the demands of the prime mover for actuating said selective means to establish communication between the source and the motor means for positioning the second throttle valve.

2,294,754
BRUSH LIFTING RELAY
Ralph M. Heintz, Palo Alto, Calif., assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 10, 1940, Serial No. 334,386
2 Claims. (Cl. 172—239)



1. In combination with a commutator, a combined relay and brush-lifting mechanism comprising an opposed pair of brush guides, brushes slidably mounted in said guides, to bear on said commutator, resilient means for urging said brushes against said commutator, a pair of electrically operated brush retractors engageable with instrumentalities on said brushes to positively and simultaneously force the brushes out of contact with said commutator, a solenoid mounted between said brush retractors, a pair of magnetic plungers slidably mounted within said solenoid, a spring mounted between said plungers to urge them outward against said brush retractors and of sufficient strength to overcome the resistance of said resilient means and positively and simultaneously lift said brushes out of contact with said commutator, and means for exciting said solenoid to compress said spring and permit the engagement of said brushes with said commutator, said brush retractors being of electrical conducting material, and insulating buttons affixed to the ends of said plungers to prevent electrical contact between said plungers and said brush retractors.

2,294,755
RESISTANT BODY HAVING NEGATIVE TEMPERATURE CHARACTERISTIC
Hideo Inutsuka and Shujiro Kawase, Kawasaki, Kanagawa-ken, Japan, assignors to General Electric Company, a corporation of New York
No Drawing. Application January 10, 1941, Serial No. 373,988. In Japan February 7, 1940
3 Claims. (Cl. 201—76)

1. A sintered metallic composition having a

negative temperature coefficient of resistance, said composition containing 95% to 60% by weight of copper oxide (CuO) the remainder consisting of 5% to 40% by weight of material from a group consisting of ferrous oxide and chromic oxide, said composition being characterized by its substantial freedom from porosity and by its substantial freedom from change with respect to negative temperature coefficient of resistance after having been heated to high temperatures.

2,294,756
METHOD OF MANUFACTURING ELECTRICAL RESISTORS HAVING NEGATIVE TEMPERATURE CHARACTERISTICS

Hideo Inutsuka and Shujiro Kawase, Kawasaki, Kanagawa-ken, Japan, assignors to General Electric Company, a corporation of New York

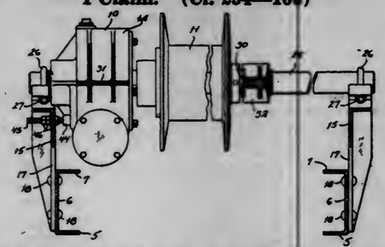
No Drawing. Application January 14, 1941, Serial No. 374,356. In Japan February 7, 1940
3 Claims. (Cl. 201—76)

1. A method of manufacturing bodies substantially free from porosity and having a negative temperature coefficient of resistance which consists in mixing a powdered oxide of a metal with one or more powdered metals shaping the mixture and then sintering the shaped mixture at a temperature above 1000° C to below 1300° C. in the presence of an oxidizing medium to thereby effect oxidation of said one or more metals.

2,294,757
WINCH

Neil P. Larsen and Herman J. Troche, Cleveland, Ohio, assignors to The American Coach & Body Company, Cleveland, Ohio, a corporation of Ohio

Original application February 16, 1938, Serial No. 190,760, now Patent No. 2,282,731, dated May 12, 1942. Divided and this application March 1, 1940, Serial No. 321,647
1 Claim. (Cl. 254—160)



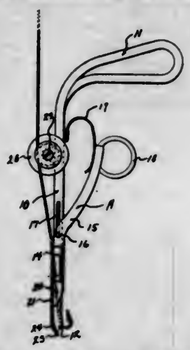
In a motor truck, the combination of a chassis frame, winch-supporting mechanism, including spaced brackets attached to the chassis frame, transverse guide bars attached to said brackets, a winch comprising a winding drum and reduction gearing, a pair of hanger brackets supporting the winch and adjustably mounted on said transverse bars, one of said hanger brackets being formed into a housing about the reduction gearing, said housing extending adjacent to one of the chassis brackets, and means for locking the housing to such bracket, said means being operative to permit adjustment of the winch along the guide bars.

2,294,758
FISHHOOK EXTRACTOR

Walter V. Manske, Milwaukee, Wis., assignor of one-third to Roman H. Manske, Milwaukee, Wis.

Application September 5, 1941, Serial No. 409,603
5 Claims. (Cl. 43—29)

1. A fish hook extractor comprising a shank, a hand grip carried by the rear end of the shank, a manipulating lever slidably and pivotally mounted upon the shank, a finger grip on the rear end of the lever, the forward end of

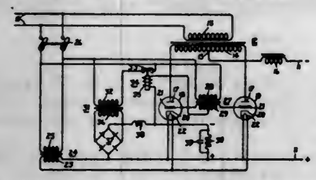


the shank having a seat for a fish hook thereon and a releasing member carried by the forward end of the lever movable over the front end of the shank upon swinging movement of the lever.

2,294,759
ELECTRIC CONTROL SYSTEM

Marvin M. Morack, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application August 1, 1941, Serial No. 404,989
12 Claims. (Cl. 250—27)



1. In combination, an alternating current circuit, electric valve means associated with said circuit and including a thermionic cathode and a control member, means for supplying energy to said cathode to raise the temperature thereof to a normal operating value, and means energized simultaneously with said last mentioned means comprising a transformer having a core including a portion of magnetic material which undergoes a marked reduction in permeability at a critical temperature, said transformer having a primary winding and a secondary winding at least one of said windings having sufficient resistance to raise the temperature of said section of the core above its critical temperature, and means for impressing a voltage dependent upon the voltage of said secondary winding upon the grid-to-cathode circuit of said electric valve means to maintain said valve means nonconductive until said thermionic cathode has reached its normal operating temperature.

2,294,760
PROCESS FOR COATING METAL SURFACES

William C. Morris, North Chicago, Ill., assignor to Poor & Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application January 12, 1940, Serial No. 313,637
6 Claims. (Cl. 117—129)

1. A process of coating ferrous metal surfaces which consists in first preparing a raw glass batch including a molybdate selected from the group of iron and copper molybdates whose iron or copper atoms bond to the nascent iron oxide of the metal, then subjecting this composite batch to smelting temperature and forming same into a frit, and subsequently applying the same to the metal surface and firing the coated metal at a temperature above the fusing point of the vitreous material and below the critical point of the metal.

2,294,761
PROCESS FOR COATING METAL SURFACES

William C. Morris, North Chicago, Ill., assignor to Poor & Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application July 20, 1940, Serial No. 346,667
4 Claims. (Cl. 106—48)

1. A process of preparing a self-bonding glass or enamel composition for use in enamel-coating processes which consists in preparing a glass frit having a maturing temperature range between 1460° F. to 1620° F., reducing the said frit to a milled slip, separately premilling a mix containing antimony trioxide blended with a thermally stable rare earth phosphate, and incorporating this premilled mix in said frit as a mill addition thereof.

2,294,762
TYPEWRITING MACHINE

John L. Petz, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application November 30, 1938, Serial No. 243,125
6 Claims. (Cl. 197—126)

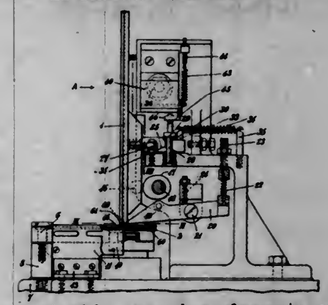


4. In combination with the carriage of a typewriting machine, a platen, means to displaceably mount the platen in the carriage for movement from a typing position to a non-typing position, means associated with the platen for aligning forms at the writing line, and means, including a pair of flexible elements partially wrapped around the platen when the platen is in its typing position, for retaining the forms in registry with the aligning means when the platen is displaced to a non-typing position, said elements straightening out flat with the forms when the platen is displaced so as to loosely support the forms in registry with the aligning means.

2,294,763
MACHINE FOR SLIDE FASTENERS

Bruno Reiter, Ruislip, England, assignor to Bell Punch Company Limited, London, England, a British company

Application April 19, 1939, Serial No. 268,840
In Great Britain April 28, 1938
11 Claims. (Cl. 153—1)



1. Apparatus for securing elements of "Zip" fasteners to a carrier comprising guide means for said elements arranged to deliver them to the carrier, means for clinching said elements on said carrier, means for guiding said carrier past the clinching means, and means for controlling delivery of elements from said guide means including means for holding the fastener elements in the guide means, and means for vibrating through a substantial extent of movement in the direction of, and opposite, movement of said carrier the delivery end of said element guide means adjacent to the carrier, said holding means being ineffective when the guide means moves to a predetermined extent in the direction of movement of the carrier, the control of delivery by said controlling means in conjunction with the carrier movement effecting spaced location of the elements on said carrier for presentation to the clinching means.

2,294,764
LIQUID PURIFICATION

Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio

No Drawing. Application July 10, 1939, Serial No. 283,673
5 Claims. (Cl. 210—24)

1. A process of base exchange comprising contacting hard water with a carbonaceous alkali metal zeolite prepared by effecting an oxidation-reduction reaction between dry granular coal and anhydrous ferric chloride in the molten state, and thereafter treating the resulting product with a solution containing alkali metal cations.

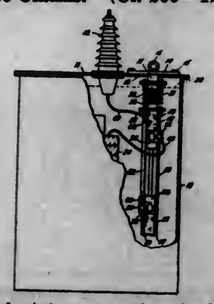
2,294,765
LIQUID PURIFICATION

Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio

No Drawing. Application July 10, 1939, Serial No. 283,675
6 Claims. (Cl. 210—24)

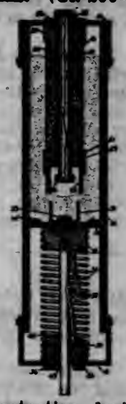
1. A process of base-exchange comprising contacting hard water with a carbonaceous hydrogen zeolite prepared from the oxidation-reduction reaction between dry granular coal and anhydrous ferric chloride in the molten state, and treating the resulting product with an acid solution containing hydrogen ions.

2,294,766
ELECTRIC CIRCUIT INTERRUPTING DEVICE AND MOUNTING ARRANGEMENT THEREFOR
Edwin A. Williams, Jr., Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application July 17, 1940, Serial No. 345,959
16 Claims. (Cl. 200—120)



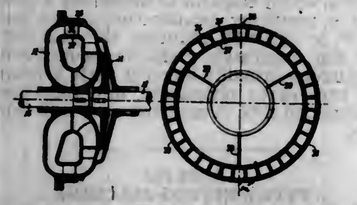
1. In an electric apparatus including a tank for containing insulating medium and having a cover provided with a service opening affording access to the interior of the tank; a removable closure for said opening, a fuse unit including a tubular insulating holder having terminal ferrules respectively adjacent opposite ends thereof and a fuse link in said holder electrically connected between said ferrules, and a unitary fuse supporting structure mounted on the inner side of said closure and having spaced terminal means for connecting said fuse unit in an electric circuit, which said terminal means include clamps releasably gripping said ferrules so as to support said holder in said tank.

2,294,767
ELECTRIC PROTECTIVE DEVICE
Edwin A. Williams, Jr., Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application August 2, 1940, Serial No. 349,845
14 Claims. (Cl. 200—120)



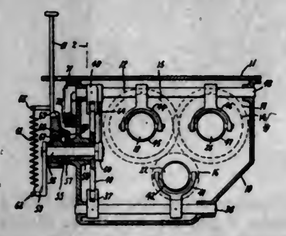
1. An electric protective device comprising a casing, inert granular arc-quenching material therein, a current interrupting element having a long fusible section embedded in said material, spaced terminals for connecting said element in an electric circuit, one of which terminals is electrically connected with one end of said element, the other end of said element having terminal means relatively fixedly supported in said casing, means for electrically connecting said terminal means with the other of said casing terminals including a conductive part arranged for movement in said casing and normally restrained in a position conductively connected with said terminal means, and means operative dependently upon rupture of said fusible section for effecting release of said part and displacement of the part relative to said terminal means in a manner to provide an insulating break in series with said interrupting element.

2,294,768
HYDRAULIC COUPLING
Willy Black, Berlin-Halensee, and Rudolf Fichtner, Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application May 3, 1939, Serial No. 271,554
In Germany May 11, 1938
4 Claims. (Cl. 60—54)



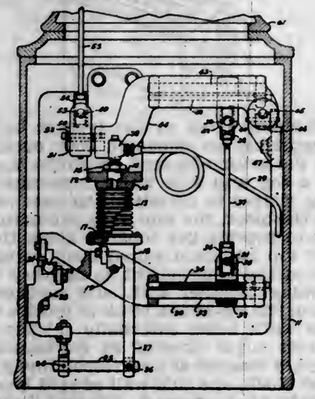
1. In a hydraulic power transmitting device, the combination of a metal casing, a guide-vane diaphragm made of a metal having a higher coefficient of expansion than the metal of said casing, and means providing radial resiliency in said diaphragm to compensate for this difference in coefficients of expansion.

2,294,769
MECHANICAL TRANSMISSION FOR AUTOMOTIVE VEHICLES
Willy Black, Berlin-Halensee, Walter Lenz, Berlin-Reinickendorf, and Rudolf Fichtner, Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application March 19, 1940, Serial No. 324,890
In Germany December 24, 1938
5 Claims. (Cl. 74—360)



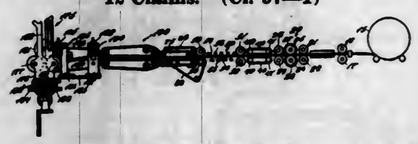
1. In a mechanical gear transmission of the multi-speed type, including parallel trains of gears, said gears being arranged in coaxial pairs and clutching means operable to connect said coaxial gears respectively to transmit power between said trains of gears, the combination of a shift lever, operating mechanisms for said clutches operable by said lever to positively close certain of said clutches, and resilient operating means connected between said lever and said mechanism for closing others of said clutches.

2,294,770
HYDRAULIC FORCE TRANSMISSION MECHANISM
Robert S. Bohannan, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application October 17, 1939, Serial No. 299,834
4 Claims. (Cl. 265—47)



1. In a weighing scale, in combination, a bellows, means acted upon by the weights of loads to transmit hydraulic forces to said bellows, a lever having a load pivot, and link-controlled parallel motion means for transmitting forces from said bellows to said load pivot, one end of said bellows being mounted upon a fixed support, the other end of said bellows being mounted upon said parallel motion means and constrained thereby to move in a predetermined path.

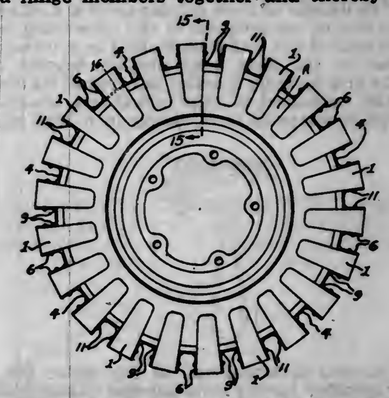
2,294,771
STAPLE FIBER PREPARATION
Nelson S. Campbell, Brookline, Mass.
Application June 5, 1941, Serial No. 396,676
12 Claims. (Cl. 57—1)



10. An apparatus for staple fiber preparation comprising successive means for cutting, condensing, false twisting and packaging in which the placing of false twist in staple fiber sliver comprises aprons for feeding the sliver forward and mechanism to so move said aprons as to, while holding the sliver, revolve the same about an axis within itself first in one direction and then in the other direction to put false twist in the portions of the sliver adjacent to said aprons, and means for holding the false twist so imparted to the fibers.

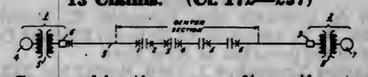
2,294,772
SNOW, ICE, AND MUD GRIPPING DEVICE FOR VEHICLE WHEELS
John J. Cook, Detroit, Mich.
Application December 11, 1940, Serial No. 369,637
5 Claims. (Cl. 152—179)

1. In a device of the class defined, a series of radially disposed sections assembled together and being as a whole adapted to conform to the outer circumference of a vehicle tire, each of said sections comprising a U member, also a set of hinge members consisting of a central member and a member upon each side thereof, also a hinge link member, means for pivotally connecting all of said hinge members together and thereby con-



necting all hinge sets in an endless formation, means for connecting the hinge sets to the respective U members aforesaid, means for installing and removing the device with respect to aforesaid vehicle tire, and further means for independently reinforcing said U members.

2,294,773
SERIES CAPACITOR ARRANGEMENT
Selden B. Crary, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 14, 1941, Serial No. 398,137
13 Claims. (Cl. 172—237)

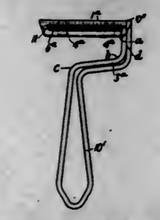


13. In combination, an alternating current power line, terminal apparatus at each end of said line for sending power therethrough, said line having a predetermined amount of inductance, and capacitive means serially connected in said circuit, said capacitive means having a reactance which is a fraction of the inductive reactance of said line, said capacitive means being connected in said line intermediate the terminals thereof so as to divide said line into a center section containing all of said capacitive means and two end sections on either side thereof containing none of said capacitive means, said end sections each having an inductive reactance which is not exceeded by the net capacitive reactance of said center section whereby the current resulting from a line short circuit at either end of said center section will not exceed the current resulting from a line terminal short circuit.

2,294,774
SAFETY RAZOR
William James Davies, Glasgow, Scotland, assignor to Arthur Watson Legat, Paisley, Renfrewshire, Scotland
Application May 28, 1940, Serial No. 337,575
In Great Britain June 8, 1939
2 Claims. (Cl. 30—68)

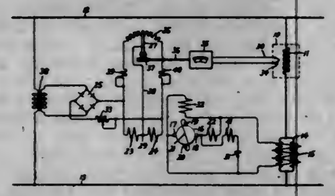
1. A safety razor comprising a wire having a part thereof bent into the form of a loop, with the parts forming the loop being spaced to afford a handle, the portions of the wire beyond one

end of the loop being brought together and bent in parallel in the plane of said handle and at substantially right angles to the direction of said handle, and again bent at substantially right angles to the first bend so as in conjunction with the handle to form substantially a Z-shaped figure, one of the portions of the wire being bent at the end of the last bent section in a direction reverse to the first bent portion beyond the handle and forming a cotter pin free at its distal end and supported at its proximal end, the other portion of the wire terminating in a stop adja-



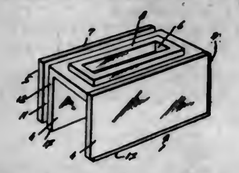
cent to said proximal end of the cotter pin, a cover member having slots parallel to said cotter pin, spaced studs extending from said cover member and having aligned apertures through which said cotter pin extends, said cover member also having a notch in which the portion of the wire forming said stop is received, said cover member having a curved under face, and a thin flexible blade interposed between said cotter pin and said cover member and having cutting edges exposed by the slots in the cover member, said blade being held by said cotter pin in flexed condition against said under face.

2,294,775
CONTROL SYSTEM
Martin A. Edwards and Kenneth K. Bowman, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application November 1, 1940, Serial No. 363,900
4 Claims. (Cl. 171—242)



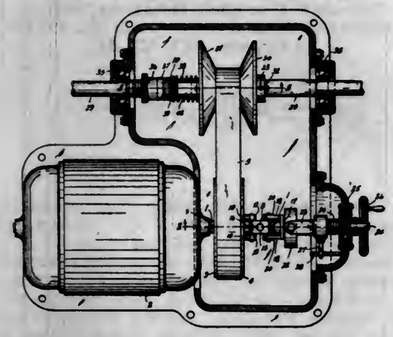
1. A control system for an electric load device comprising control means for varying a characteristic of said load device, a direct current generator connected to supply current to said control means, said generator being provided with a pair of current supply brushes connected to said control means and with a pair of short-circuited quadrature brushes, field excitation means for said generator, control means for said field excitation means responsive to said variable characteristic for varying the field of said generator in one direction from a predetermined value thereby to maintain said characteristic at a predetermined value and for reversing said field and the polarity of said generator in response to variation of said characteristic in the other direction from said predetermined value, and electric valve means connected across said generator for disabling said generator in the event of reversal of polarity of said generator.

2,294,776
BUILDING BLOCK
Miles E. Freeman, Saratoga Springs, N. Y.
Application January 9, 1941, Serial No. 373,840
3 Claims. (Cl. 72—41)



2. A building block of the type to be laid in rows comprising an elongated body open at one end and the bottom thereof, respectively, and including a top and side walls, respectively, said top being slotted to permit air to pass vertically through the block, the side walls extending above said top to provide key tongues along the same and said top having a raised bead surrounding said slot of the same height as said key tongues and forming together with said tongues a depression in the top of the block to receive cement, said side walls being externally rabbeted along the bottom edges thereof to fit between and upon the key tongues of a correspondingly formed subjacent block, one side wall of said block having a pair of transverse grooves therein for receiving an end extension of another mating block laid endwise against said side thereof, the key tongue of said one side wall having a gap therein to permit the rabbeted bottom edges of another correspondingly formed block laid crosswise thereon to fit flush on the top thereof.

2,294,777
VARIABLE SPEED TRANSMISSION
Don Heyer, St. Louis, Mo.
Application August 4, 1939, Serial No. 288,328
19 Claims. (Cl. 74—230.17)



1. In combination, an adjustable pulley structure having a pair of pulley sections with opposed inclined faces forming by relative axial adjustment variable effective pulley diameters, cam elements attached to the outer side of and diverging away from one of said pulley sections, a shaft having said pulley sections mounted thereon for relative axial adjustment to provide variable effective pulley diameters, centrifugal means mounted on said shaft and operated by rotation thereof for engaging and moving along said cam elements and thereby adjusting the axial positions of said pulley sections as aforesaid, and means settable either while said structure is at rest or while operating to control said centrifugal means and thereby limit and re-

strict relative adjustment of said pulley sections within a predetermined maximum of effective pulley diameter.

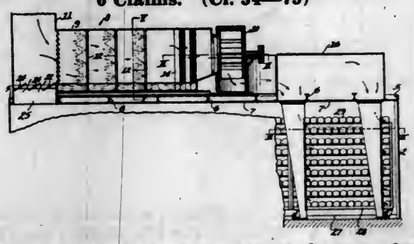
2,294,778
PROCESS OF RECOVERING PURE SODIUM CARBONATE MONOHYDRATE FROM BRINES
Alexis C. Houghton, Bartlett, Calif., assignor to Frederic A. Dakin, Boston, Mass., as trustee
No Drawing. Application February 13, 1940, Serial No. 318,748
3 Claims. (Cl. 23—38)

1. The method of preparing pure sodium carbonate monohydrate which consists in agitating Owens Lake brine with a mixture of salts containing an excess of the solid phases of sodium chloride and any form of the normal sodium carbonate except sodium carbonate monohydrate, while warming the mixture to a temperature between 28° and 31° centigrade, whereby such prepared brine contains from 19% to 21% Na_2CO_3, is saturated with sodium chloride and highly supersaturated with respect to sodium carbonate monohydrate, removing undissolved matter from the brine, and then releasing the supersaturation of the clear brine with respect to sodium carbonate monohydrate by raising the temperature of at least a portion of the brine to a temperature sufficiently above 31° centigrade to cause it to spontaneously separate out sodium carbonate monohydrate, maintaining the mixture at a temperature over 24° centigrade for a sufficient length of time to come to solubility equilibrium with respect to the monohydrate, separating the precipitated pure monohydrate from the mother liquor, and washing same substantially free from adhering mother liquor impurities.

2,294,779
CONTACT DECOLORIZATION
Julius Hyman, Chicago, Ill., assignor to Velsicol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 22, 1939, Serial No. 305,676
8 Claims. (Cl. 196—147)

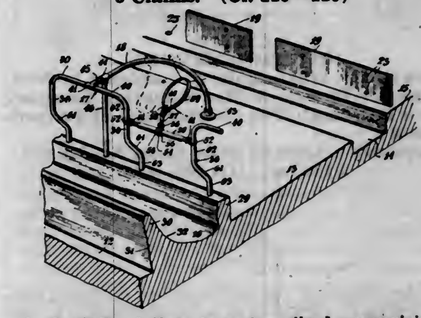
1. In the decolorization treatment of naphtha-soluble, water-insoluble hydrocarbon substances chosen from the class consisting of oils, waxes and resins, the step which comprises subjecting said substances in the liquid phase to the adsorptive action of a solid, porous, homogeneous, synthetic alumino-silicate gel from which all replaceable and water-soluble alkali has previously been removed.

2,294,780
APPARATUS FOR COOLING BAKERY PRODUCTS
Frederic D. Pfening, Columbus, Ohio
Application April 15, 1939, Serial No. 268,141
6 Claims. (Cl. 34—75)



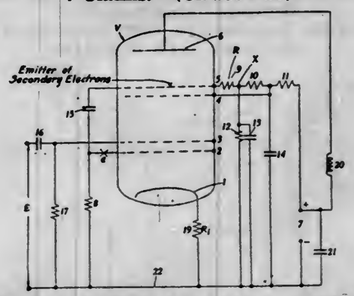
2. In an apparatus for cooling bakery products of the type having an enclosure provided with receiving and discharge ends, cooling means for said enclosure comprising a plurality of transversely spaced vertically extending ducts positioned adjacent the discharge end of said enclosure, said ducts having outlet openings substantially throughout their full length, said openings facing the discharge end of said enclosure, and air conditioning means for feeding cool air under superatmospheric pressure into the upper ends of said ducts, said enclosure having an air exhaust opening adjacent its receiving end.

2,294,781
STALL AND STANCHION FOR DAIRY BARNS
Harold O. C. Ingraham, New York, N. Y.
Application May 21, 1941, Serial No. 394,414
3 Claims. (Cl. 119—119)



1. A stall of the class described comprising a pair of spaced stanchion posts adapted to receive the head of a cow therebetween, a rigid bar stanchion extending between said posts and slidable thereon, a collar loosely mounted on said bar for rotational movement about the axis of said bar, bosses on said bar on opposite sides of said collar forming stops to confine said collar against axial movement, and a snap member attached to said collar, said snap member being adapted to releasably engage a cow's halter for limiting the forward and rearward movement of the cow.

2,294,782
THERMIONIC VALVE APPARATUS
Bent Bulow Jacobsen, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 23, 1941, Serial No. 375,594
In Great Britain January 30, 1940
7 Claims. (Cl. 250—27)



1. A thermionic valve system comprising a valve having at least a cathode, an anode and a control grid, an additional electrode adapted to give a secondary emission effect so positioned

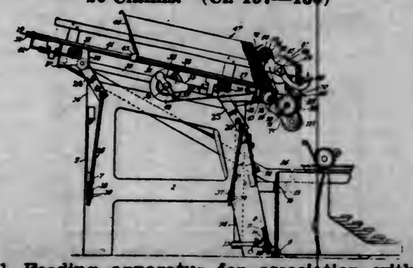
in the primary electron stream from said cathode and provided with such direct current potential relative to the other electrodes that on the average the number of secondary electrons emitted from it exceeds the number of primary electrons striking it, an alternating current impedance connected between said secondary electron emitting electrode and in series between said secondary electron emitting electrode and said anode and traversed by secondary electron current of said secondary electron emitting electrode, a further additional electrode located in a position in the electron stream from said cathode where the electron velocity is small, and means for transmitting voltage variations of said secondary electron emitting electrode produced by said secondary electron current to said further additional electrode in such phase as to augment said variations.

2,294,783
CONTACT MEMBER
James K. Ely, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1940, Serial No. 329,459
3 Claims. (Cl. 200—166)



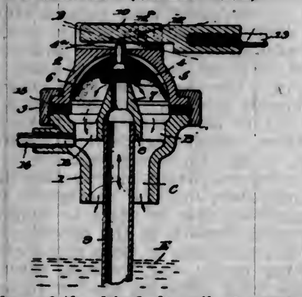
1. An electrical contact member having a contact surface, comprising in combination, a unitary conducting base member comprising the major cross-section of material in a plane parallel to the contact surface, the conducting base member being of a metal selected from the group of copper, silver and their alloys, heat and impact resisting refractory metal members selected from the group of tungsten and molybdenum embedded in and bonded to the conducting base member, the refractory metal members being separated from each other and extending substantially entirely through the conducting base member in a direction perpendicular to the contact surface, and an external shell extending about and bonded to the base member substantially perpendicularly to the contact surface to restrain mushrooming of the contact.

2,294,784
FEEDING APPARATUS IN TYPING OR PRINTING
Herbert J. Keating, Brooklyn, N. Y., and John E. Keeting, Bloomfield, N. J.
Application December 29, 1939, Serial No. 311,646
20 Claims. (Cl. 197—134)



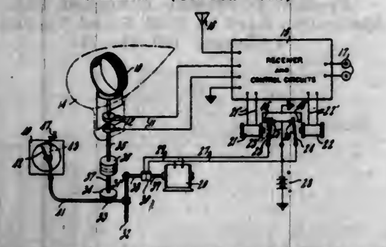
1. Feeding apparatus for association with a typing machine having a rotatable platen capable of letter spacing travel and for selectively feeding a sheet of paper from a stack of sheets to a typing position upon said platen, said apparatus comprising the combination of support means for supporting a plurality of sheets in a stack, means located in a stationary position spaced above the path of the letter spacing travel of the platen for initially releasing a sheet from one end of said stack at will, preparatory to feeding the same to said platen, and further means mounted above the platen and capable of being lowered into a position effective to drive said platen while feeding said sheet to and around the platen to initial typing position, said further means being normally dissociated from the platen during operation of the typing machine.

2,294,785
SIPHON BREAKER AND VALVE
Jesse D. Langdon, Los Angeles, Calif.
Application March 25, 1940, Serial No. 325,931
3 Claims. (Cl. 137—104)



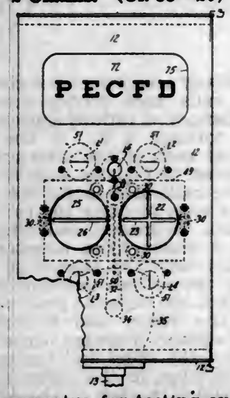
2. A valve of the kind described comprising a casing open to atmosphere, and having an inlet and outlet, a domed and flexibly skirted bell shaped valve member adapted to engage the casing wall and having a valve seat disposed within the dome and seating across said inlet, the dome and skirt forming a check valve intervening between the opening to atmosphere and said inlet, and acting to divert water into a refill tube disposed below said inlet, and below the skirt of said valve member, a valve stem projecting upwardly through said casing and being impinged by lever means attached to said casing whereby said valve member may be moved to and from the inlet opening.

2,294,786
MOTOR POSITIONING SYSTEM
William P. Lear, Dayton, Ohio, assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio, a corporation of Illinois
Application March 9, 1940, Serial No. 323,106
3 Claims. (Cl. 192—.02)



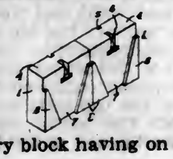
1. A system for positioning a rotatable member comprising a reversible electric motor; an electromagnetic clutch having a winding in circuit with said motor, said clutch mechanically coupling said motor with said member and being normally disengaged when deenergized; an electromagnetic brake normally engaged with said member when said brake is deenergized; a source of electric energy for said clutch, brake and motor; means responsive to reversible electric signal conditions for substantially simultaneously energizing said motor and clutch to drive the member in either direction, and disengaging said brake from said member; and means independent of said clutch and motor for energizing said brake into disengagement from said member to permit independent motivation thereof.

2,294,787
APPARATUS FOR TESTING EYES
George H. Leland, Dayton, Ohio
Application January 10, 1939, Serial No. 250,131
2 Claims. (Cl. 88—20)



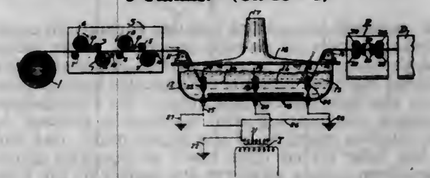
1. In an apparatus for testing eyes, a fixation object suitable for determining refractive errors in vision and arranged to be perceived by both eyes of the patient, said fixation object comprising a structure of opaque material having a translucent figure of sharp line demarcation, a reflector arranged to reflect light onto the rear side of said fixation object and thereby illuminate said translucent figure, means for projecting onto said reflector alternately and at regular intervals a bright light and a dim light, means for polarizing said bright light on a given axis, and an analyzer arranged in front of said fixation object in the line of vision of the eye which is not being tested and having its axis of polarization in a plane intersecting the plane of the axis of polarization of said bright light to substantially exclude said figure from the vision of said eye during the interval of bright illumination, said figure being at all times visible to the eye which is being tested.

2,294,788
FURNACE WALL CONSTRUCTION
Levi S. Longenecker, Pittsburgh, Pa.
Application April 7, 1938, Serial No. 200,667
10 Claims. (Cl. 72—101)



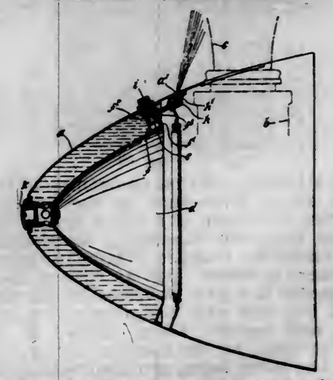
1. A refractory block having on one of its faces a substantially V-shaped groove and on its other face a pair of triangularly shaped spaced marginally disposed tongues, each of which conforms in shape and size to the shape and size of one-half of said groove.

2,294,789
APPARATUS FOR CLEANING STRIP
Elwin A. Matteson, Youngstown, and Kiel B. Bowman, Warren, Ohio, assignors to The Aetna Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Original application October 30, 1939, Serial No. 301,906. Divided and this application August 29, 1941, Serial No. 408,858
3 Claims. (Cl. 15—4)



1. Strip cleaning apparatus of the type described including rotatable scrubbing brushes, means for guiding a strip through said brushes, means for directing high velocity jets of hot alkali solution against the strip adjacent said brushes, a tank having a bath of alkali solution therein, said brushes being disposed ahead of said tank whereby the strip is heated and scrubbed before entering the bath, means for guiding the strip from said scrubbing brushes through said bath, and means for applying heat to the alkali solution in the bath.

2,294,790
MEANS FOR PREVENTING THE FORMATION OF ICE ON AIRCRAFT
Robert McGlasson and Frederick George Marshall, Leamington Spa, England, assignors to Constant Speed Airscrews Limited, Warwick, England
Application September 30, 1940, Serial No. 359,122
In Great Britain December 31, 1938
6 Claims. (Cl. 244—134)



1. In aircraft having a rotatable spinner for the hub of the air-screw, a container for anti-freezing material rotating with said spinner, a valve carried by said container for controlling the delivery of said material from said container, said valve being disposed for movement in a substantially radial direction relative to the rota-

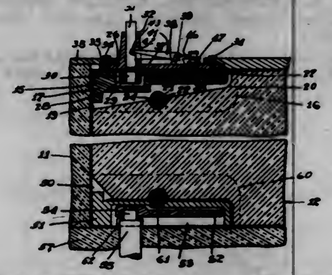
tional axis of said container so as to be subject to centrifugal force normally tending to open the valve, and means responsive to atmospheric temperature for controlling the opening of said valve and the distribution of said material over the machine.

2,294,791
GARMENT BAG
Jonah Mehl, Cincinnati, Ohio
Application April 12, 1940, Serial No. 329,337
1 Claim. (Cl. 206—7)



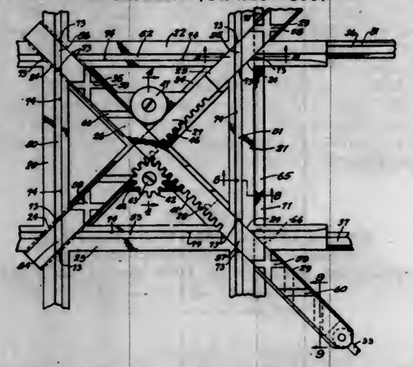
A garment bag of flat tubular formation, comprising: a pair of panels, one of a paper sheet and the other of a transparent cellulose sheeting secured together along their opposite longitudinal ends, the longitudinal margins of the transparent sheeting overlapping and adhesively secured to the relative margins of the paper panel, one end of the tube folded upon itself in opposite directions from points adjacent the center of the tube to form opposite triangular gussets and leaving a medial edge portion of the panel unfolded to provide an opening into the bag, and a collar of folded sheet material marginally binding and reinforcing the free edge of the transparent sheeting intervening said gussets for said bag opening and having its opposite ends folded with the gussets, and having the exterior layer of the collar of extended form to provide a marking tag for the bag.

2,294,792
DOOR CONSTRUCTION
Robert A. Miller, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application May 11, 1938, Serial No. 207,272
5 Claims. (Cl. 20—16)



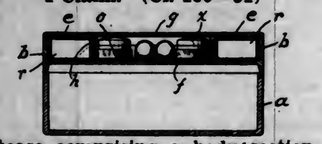
1. In a building having an opening in the wall thereof and a door hung in the opening, the door being composed of a single monolithic slab of glass tempered inherently to shatter into small, harmless, rounded fragments upon rupture, hinges mounted upon an edge of the opening adjacent to a pair of vertically aligning corners of the slab and comprising swinging elements, said corners being clipped to provide mounting space for the swinging elements of the hinges, the latter being provided with individual clamping elements for engaging opposite faces of the slab secured directly to the swinging elements, whereby the stress upon the hinges is directly transmitted through the clamping elements to the glass of the slab, the slab constituting the sole connection in the door between the swinging elements.

2,294,793
RAILROAD CROSSING
Benjamin Cullen Monroe, Tuscola, Ill.
Application January 26, 1940, Serial No. 315,642
3 Claims. (Cl. 246—380)



1. In a railway crossing of the class described, intersecting rails, each having grooves for the passage of flanges of railway wheels, the groove in one rail forming a gap in the intersecting rail, a slide at each of the intersections having grooves adapted to register with the grooves in either pair of rails and to fill the gaps in the other pair of rails to carry the car wheels over the latter gaps to prevent pounding, each slide also having a cross groove adapted to register simultaneously with the grooves in both intersecting rails, means for simultaneously moving said slides from one adjusted position to another, notches in the slides, and a correspondingly notched bar slidably mounted beneath the slides transversely of the slides and having means engaging the notches in the slides for positively locking the slides in each of the adjusted positions.

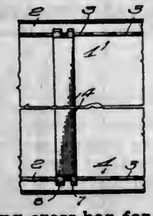
2,294,794
SUITCASE
John Morelli, Philadelphia, Pa., assignor to The F. H. White Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 25, 1941, Serial No. 385,069
1 Claim. (Cl. 190—51)



A suitcase comprising a body section, a top section hinged thereto having end walls and front and rear walls of the top section, the central parts of the front and rear walls being of reduced height and forming the front and rear walls of a central compartment, a lid hinged to the central part of the rear wall and adapted to be swung into position to open and close the central compartment, a top wall adjacent the end walls of the top section and extending from said end walls to said central section and forming with said end walls and the sections of the front and rear walls of the top section adjacent thereto end compartments opening laterally along the ends of the central compartment, and a partition extending from end to end and from front to rear of the top section and providing a bottom for both the central compartment and the end compartments, whereby the bottoms

of the end compartments are flush and continuous with the bottom of the central compartment, and a removable tray in the central compartment whereby when said tray is removed receptacles of a shape and size adapted to substantially fill the end compartments may be inserted therein and removed therefrom by sliding them into or out of the openings therein adjacent the central compartment.

2,294,795
BOXCAR
Edwin P. Moses, White Plains, N. Y., assignor to The New York Central Railroad Company, a corporation of New York
Application March 24, 1942, Serial No. 436,047
2 Claims. (Cl. 105—369)



1. A supporting cross bar for a box car having perforated wall linings; said bar comprising a body member having forked end spaced projections of unequal width offset from the horizontal medial axis of the bar, at least one of said projections comprising a hinged member at or near one end of the bar to the underside of the bar, to swing toward and from the underside of the bar.

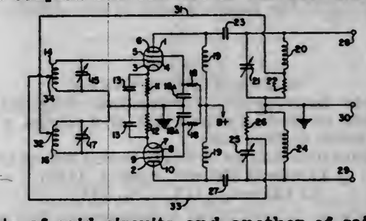
2,294,796
PROTECTING COVER FOR CARDS, AND METHOD OF PRODUCING THE SAME
Lester W. Moulder, South Charleston, W. Va.
Application December 31, 1940, Serial No. 372,661
2 Claims. (Cl. 18—59)



2. A method of protecting cards or the like, consisting and providing a pair of protecting sheets constructed of plastic transparent material, providing extensions at the corners of the sheets, the extensions extending appreciable distances beyond the edges of the sheets, securing the extensions of opposite sheets of plastic material together, inserting a card between the sheets of plastic material, depositing the sheets of plastic material and card held therebetween, within a burnishing machine, subjecting the sheets to heat and pressure whereby the sheets of plastic material flow to the outer edges of the extensions, completely closing the spaces between the extensions of the plastic sheets.

2,294,797
OSCILLATOR
Arthur L. Nelson, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application September 26, 1940, Serial No. 358,495
3 Claims. (Cl. 250—36)

1. An oscillator system for developing a plurality of signals having different relative phases, comprising a plurality of resonant circuits each including resistance elements in one of its arms for developing a voltage in phase-shifted relationship to the voltage developed across said circuit, and a plurality of signal repeating means each coupled between one of said resistance elements of said circuits and another of said circuits for translating the voltage developed across said resistance element in each one of said circuits to another of said circuits and energizing the same in phase-shifted relationship to said one of said circuits, whereby signals are developed across said circuits with predetermined different phases.

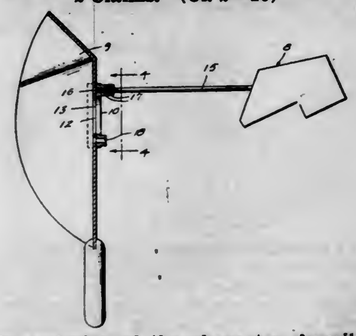


2,294,798
PUMPING EQUIPMENT
Oliver J. Nelson, Fort Scott, Kans.
Application March 8, 1939, Serial No. 260,484
2 Claims. (Cl. 103—6)



2. In and in combination with a chamber containing a liquid and having suction means for producing a low sub-atmospheric pressure in said chamber, the improvement comprising a rotary pump in said chamber below a level of the liquid in the chamber to be pumped, said pump comprising a circular casing, a rotor fitting within the casing and having an internal gear, a pinion meshing with said gear, and an intake port consisting of an unrestricted opening in said casing of such extent as to expose approximately the entire part of the circumferential area of the rotor effective for intake to a body of liquid in which said port may be immersed.

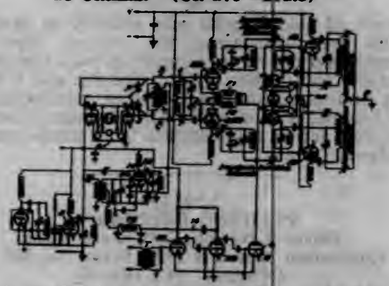
2,294,799
ATTACHMENT FOR WELDERS' SHIELDS
Martin Olsen, Jersey City, N. J.
Application November 18, 1940, Serial No. 366,181
2 Claims. (Cl. 2—10)



1. In a device of the character described, a

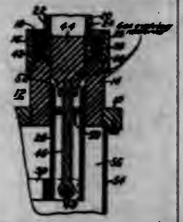
shield shaped to cover the front head and neck portion of a person, the said shield having a sight opening therein, a socket secured to the front of the shield adjacent the sight opening, and a rod detachably connected to the said socket and extending forwardly of the shield to support a periscopic reflector member on its outer end forwardly of the sight opening of the shield.

2,294,800
MODULATION SYSTEM
Thomas Henry Price, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application August 9, 1941, Serial No. 406,213
In Great Britain April 3, 1940
13 Claims. (Cl. 179—171.5)



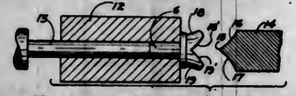
2. A modulated wave amplifier including, a pair of electron discharge tubes each having a control grid, an anode and a cathode, an output circuit coupled to the anodes and cathodes of said tubes, means for applying modulated wave voltages of like phase to said control grids, means for applying modulated voltages of substantially opposed phase to said control grids, the last voltages being substantially in phase quadrature relative to the voltages of like phase, means for varying the amplitude of the phase opposed voltages in accordance with the modulations thereon on positive portions of the modulation cycle, and means for varying the amplitude of the applied phase opposed voltages as a function of the ratio of the applied modulated voltage to the power supplied to the said output circuit.

2,294,801
CIRCUIT INTERRUPTER
Herbert L. Rawlins, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 25, 1938, Serial No. 209,969
27 Claims. (Cl. 200—149)



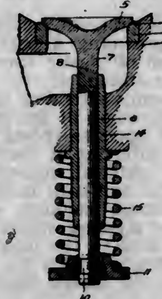
1. In a circuit interrupter, means of insulating material defining an arc chamber, a pair of contacts at least one of which is movable and has a passage therethrough, means for actuating said contacts to the open position for establishing an arc within said chamber, and means at least partially of insulating material normally outside of said arc chamber and movable into said chamber during the circuit opening operation for restricting the cross section thereof, the walls of said chamber producing a gas when acted upon by an arc, said means movable into said chamber substantially closing one end of said chamber for causing said gas to be expelled from said chamber through the arc path and through the passage in said one contact.

2,294,802
THUMBSCREW AND METHOD OF MAKING SAME
Robert A. Reich, Berea, Ohio, assignor to The Ohio Nut & Bolt Company, Berea, Ohio, a corporation of Ohio
Application May 28, 1942, Serial No. 444,815
13 Claims. (Cl. 10—10)



6. The method of making a thumb screw or the like having a threaded shank and a flange or collar portion and having a pair of oppositely extending wings formed integrally with said flange portion which includes the steps of forming a blank from stock having substantially the diameter required for threading the shank, upsetting one end of said blank by cold forging to form a flange of greater diameter than the shank portion and an upset head, said shank being of smaller diameter than said flange and said head being of greater diameter than said shank, splitting said head portion substantially on its axial center line to a point adjacent said flange, and exerting pressure on opposite sides of said split head portion simultaneously in a direction substantially parallel to the inner sides of the split head portion to form a pair of adjoining wing members.

2,294,803
VALVE
George R. Rich, Battle Creek, Mich., assignor to Rich Manufacturing Corporation, Battle Creek, Mich., a corporation of Michigan
Application February 18, 1942, Serial No. 431,353
3 Claims. (Cl. 123—188)

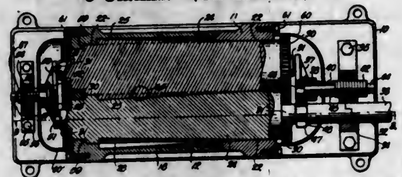


1. A valve comprising a head composed of a steel alloy consisting of the following ingredients in about the following proportions: carbon 0.20%, silicon 1.10%, manganese 1.10%, chromium 21.0%, nickel 11.0%, and the principal part of the remainder, iron, in combination with a valve stem butt welded to the head and composed of a steel alloy consisting of the following ingredients in about the following proportions: carbon 0.30%, silicon 3.25%, manganese 1.00%, chromium 7.50%, nickel 2.0%, and the principal part of the remainder, iron.

2,294,804
EXTREME PRESSURE LUBRICANT
Vernon L. Ricketts, Martinez, Calif., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 1, 1936, Serial No. 82,927
9 Claims. (Cl. 252—53)

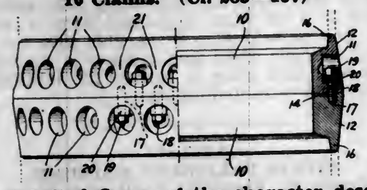
1. A lubricant for metallic bearing surfaces comprising a major proportion of a mineral lubricating oil and a minor proportion of an aliphatic ester of phosphorous acid in which each aliphatic group contains from 1 to 5 carbon atoms.

2,294,805
ROTARY ENGINE CONSTRUCTION
Robert B. Robinson, Kansas City, Mo.
Application March 28, 1942, Serial No. 436,562
5 Claims. (Cl. 121—70)



1. A rotary engine construction comprising telescoping housing sections including an inner housing section formed with twin flaring and intersecting piston chambers, and a pair of rotary pistons provided with longitudinal lobes or abutments and grooves of correspondingly flared design and adapted for intermeshing relation.

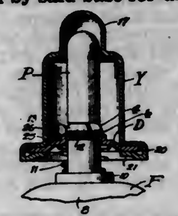
2,294,806
FLANGE FOR PRESSURE VESSELS
Walter Samans, Philadelphia, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application September 13, 1939, Serial No. 294,710
10 Claims. (Cl. 285—137)



1. A bolted flange of the character described having bolt holes and a hub the center line of which falls in a circle concentric with and not of smaller radius than the center line of the bolt holes.

2,294,807
CASTER
Edward Schultz, Jr., Chicago, Ill., assignor to The Nagel-Chase Mfg. Co., Chicago, Ill., a corporation of Illinois
Application July 5, 1941, Serial No. 401,087
4 Claims. (Cl. 16—44)

1. In a caster, a base, a pintle upstanding from the base, a load supporting yoke of tubular form open at the bottom and closed at the top and movable vertically with respect to the pintle and arranged to rest upon the upper end of the pintle to support the load thereon only when the yoke is at the limit of its downward movement, a spring supported by said base for urging the yoke



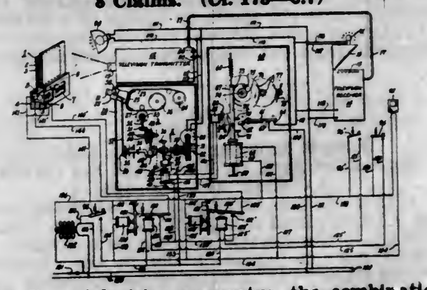
upwardly, and means for connecting the spring with the yoke whereby the spring will normally floatably support the yoke out of contact with the upper end of the pintle in slidable relation with said pintle when the yoke is subjected to a load within the supporting capacity of the spring.

2,294,808
KEY HOLDER
Rene M. Schupbach, Cranston, R. I., assignor to Freeman-Daughaday Company, a corporation of Massachusetts
Application January 17, 1942, Serial No. 427,159
4 Claims. (Cl. 70—459)



1. A key holder comprising a generally annular body having spaced ends, an arm on one end of the body extending inwardly to substantially the center thereof, and the other end provided with a hook, and a keeper to extend across said spaced ends and having a portion pivoted at the center of said annular body to close said space between the ends of said body, said keeper having an opening therein to receive said hook to hold the keeper in closed position.

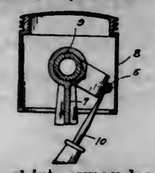
2,294,809
METHOD OF AND APPARATUS FOR THE REMOTE VERIFICATION OF CHECKS
Ronald B. Smith, East Orange, N. J.
Application March 24, 1941, Serial No. 385,025
8 Claims. (Cl. 178—6.7)



1. In a television apparatus, the combination

comprising a first station having a television pick-up thereat, supporting means for a document positioned at the first station within the field of view of said pick-up device, a second station remote from the first station, a television reproducing device located thereat, means for electrically interconnecting said television devices, signalling means associated with said document support, said signalling means having a panel normally ineffectual for conveying a desired message respecting the character of the document so televised in said apparatus as determined by a person at such second station and other means for rendering the signalling means effectual to indicate the character of such message.

2,294,810
PISTON EXPANDER AND PIN NOISE ELIMINATOR
Dean M. Solenberger, Cleveland, Ohio, assignor to Simplex Products Corporation, Cleveland, Ohio, a corporation of Ohio
Application May 19, 1939, Serial No. 274,605
10 Claims. (Cl. 309—11)



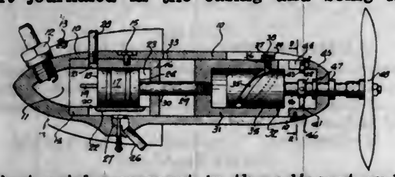
1. In a piston skirt expander and pin noise eliminator, a generally U-shaped spring member having notched ends adapted to engage a piston pin, and a boss secured to and extending outwardly from the midportion of said U-shaped spring, said boss having a portion adapted to engage and exert outward pressure against a piston skirt, the length of said portion being not greater than the skirt wall thickness of the piston in which the device is to be installed, and said boss having a slot disposed between said skirt engaging portion and said spring member, said slot being adapted to receive an installing and removing tool.

2,294,811
CRYSTALLIZED GLUCOSIDE FROM RED SQUILL
Arthur Stoll and Jany Renz, Basel, Switzerland, assignors to Sandoz A. G., Basel, Switzerland
No Drawing. Application July 17, 1939, Serial No. 284,964. In Switzerland June 27, 1939
3 Claims. (Cl. 260—210)

1. A process for the isolation of a new crystallized glucoside from red squill, comprising the steps of extracting the new glucoside in presence of water, from tannoid-free preparations and extracts from red squill, by means of a mixture of chloroform and butanol, and isolating the new glucoside from the chloroform-butanol fractions.

2,294,812
ENGINE
John F. Szopieray, Berkeley, Calif.
Application April 19, 1940, Serial No. 330,629
6 Claims. (Cl. 123—196)

1. In an engine, unitary elongated casing having a longitudinal axial chamber therein, a partition wall transversely dividing said chamber, a piston working longitudinally in the chamber at one side of the partition, a reciprocating element working in the chamber at the other side of the partition, means extended through the partition to transmit reciprocating motion from the piston to the reciprocating element, a drive shaft journaled in the casing and being held



against axial movement in the adjacent end of the casing, and means in the casing connecting said reciprocating element and the shaft so as to convert the reciprocating motion of said element into rotating motion of the shaft.

2,294,813
DISPENSING DEVICE
Arthur Taube, Jr., Floral Park, N. Y.
Application October 8, 1940, Serial No. 360,213
9 Claims. (Cl. 221—102)

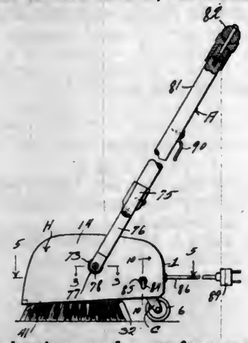


1. A device of the class described comprising a body, a chamber and a passage connecting said chamber with the exterior of said body, a plunger transversely mounted in said body at right angles through said passage and extending from one side and when in an inward position cutting off passage through said passage, resilient means for urging said plunger outwards, a spring controlled blow off valve closing said passage at a point beneath said plunger, a stem rotative in said body and extending from one side, a cam on said stem beneath said valve for increasing the resistance of said blow off valve when said stem is turned, and a bolt on said stem engageable with a cutout in said plunger when said plunger is pushed inwards and said stem is turned for locking the plunger in a retracted position.

2,294,814
FLOOR POLISHING MACHINE
Orville W. Thrailkill, Wellington, Kans.
Application May 6, 1941, Serial No. 392,154
4 Claims. (Cl. 15—49)

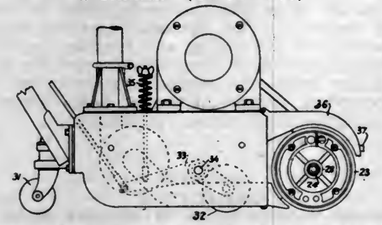
1. A surface polishing machine comprising an elongated housing having its bottom face open, an inwardly disposed lug carried by an end of the housing adjacent to its open bottom face, inwardly disposed lugs carried by the housing and at the longitudinal central portion of the housing, a plate within the lower portion of the housing, means for anchoring said plate to the lugs, a caster operatively engaged with the first lug, a power unit within the housing mounted upon the plate and including a casing and a drive shaft, a boxing carried by the casing for the motor into which the extended shaft is received, a vertical shaft rotatably supported by

the boxing and in driven connection with the drive shaft of the motor, said shaft extending



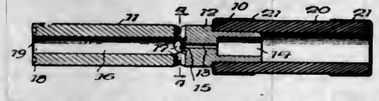
below tne boxing, and a surface engaging member mounted on the lower portion of the driven shaft for rotation therewith.

2,294,815
FLOOR SURFACING MACHINE
Benjamin Tobias, London, and Harold Kahan Warr-Langton, Ealing, London, England
Application March 21, 1939, Serial No. 263,138
In Great Britain March 21, 1938
2 Claims. (Cl. 51—176)



1. In a floor surfacing machine the combination of a body, a double sided box section rigid with said body on one side and at the front end thereof, a hollow transverse cantilever projecting from said box section towards the other side of said body, a shaft journalled within said cantilever, a surfacing drum fast to the end of said shaft at the free end of said cantilever, a driving member fast to the other end of said shaft, driving means on said body coupled to said driving member, and a single castor at the rear end of said body constituting with the drum the sole support for the machine when in operation under maximum cut, said castor being placed towards the same side of said body as said box section so as to lie approximately in the vertical plane passing through the mid length of said drum and the centre of gravity of the machine.

2,294,816
SOLDERING TIP
Lawrence E. Trabbic, Toledo, Ohio
Application April 1, 1941, Serial No. 386,355
7 Claims. (Cl. 158—27.4)

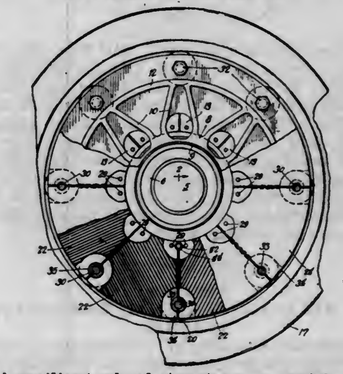


1. For use on a welding torch, a soldering tip embodying an elastic fitting adapted to be flexed into engagement with and out of engagement from the nozzle of a torch, the tip being provided with a gas passageway therethrough and having air inlet openings communicating with the passageway.

2,294,817
EXTREME PRESSURE LUBRICANT
Willem Johannes Dominicus van Dijck, The Hague, Netherlands, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 3, 1934, Serial No. 718,876. In the Netherlands April 4, 1933
6 Claims. (Cl. 252—53)

5. A lubricant for metallic bearing surfaces comprising a major proportion of lubricating and a minor proportion of a reaction product of a fatty oil and an oxide of phosphorus.

2,294,818
RESILIENT WHEEL
Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application January 13, 1941, Serial No. 374,215
14 Claims. (Cl. 295—11)

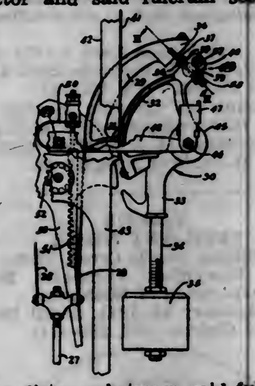


1. A resilient wheel structure comprising a hub having a pair of axially spaced radial flanges, a rim member having a radially inwardly extending flange intermediate said hub flanges, segmental spring elements between said rim flange and each of said hub flanges comprising rubber segments having thin metallic plates surface bonded to opposite faces thereof, means for securing the adjacent radial inner corners of the plates lying next to said rim flange to said rim flange, and means between said hub flanges adjacent their radial outer periphery for clamping the radial outer corners of said outer plates to the inner faces of said hub flanges.

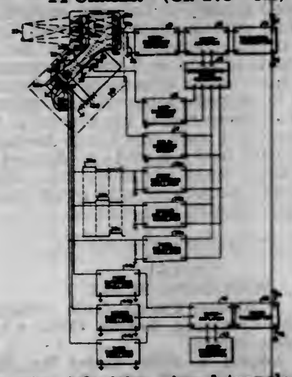
2,294,819
WEIGHING SCALE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application August 8, 1938, Serial No. 223,583
8 Claims. (Cl. 265—62)

1. In a weighing scale, in combination, a pendulum having a fulcrum sector and a power sector, said fulcrum sector and said power sector being radially spaced, a flexible pull member partially wound upon said fulcrum sector and supporting said pendulum, another flexible pull

member partially wound upon said power sector for the application of loads to said pendulum, said power sector having a pivotal connection with said fulcrum sector, said pivotal connection being between the place where said flexible pull member takes off from said fulcrum sector and the place where said other flexible pull member takes off from said power sector when said pendulum is in a neutral or zero position in said scale, and means engaging said power sector and said fulcrum sector for adjusting the distance between said fulcrum sector and said power sector and locking said sectors in adjusted position, said adjusting and locking means comprising a universally adjustable member having a spherical portion, shaped arms for receiving said spherical portion, means for acting upon said shaped arms for frictionally engaging said spherical portion and means acting upon said shaped arms comprising a screw freely passing through one of said arms and threaded into another of said arms.



2,294,820
COLOR TELEVISION SIGNAL-TRANSLATING SYSTEM
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application April 28, 1941, Serial No. 390,717
14 Claims. (Cl. 178—5.2)



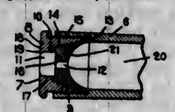
1. A color television signal-translating system comprising, a cathode-ray tube effectively including a plurality of targets, each of said targets being adapted to be included in an optical path translating a complete color field of the image translated by the system, means for projecting upon each of said targets a cathode-ray beam which passes through a restricted region within said tube, and beam-deflecting means disposed adjacent said region and effective to scan in two directions any of said targets with the beam incident thereon in response to a substantially identical scanning effect for corresponding portions of each of said targets.

2,294,821
V-TYPE BELT
Charles Walter Yelm, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application April 4, 1941, Serial No. 386,810
2 Claims. (Cl. 74—234)



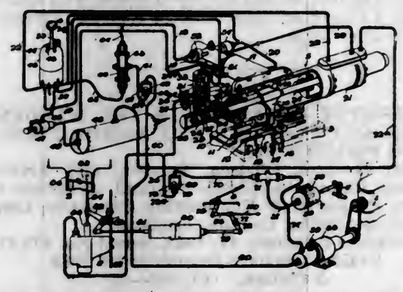
1. A combined edge and inside driving belt for use with V-grooved and flat surfaced pulleys, said belt having at least one transversely extending outwardly convex layer of tension resisting cords embedded therein and extending lengthwise thereof, the inner surface of the belt having a friction surface along each edge, the surface between the two friction surfaces being depressed, the depressed surface having at least one inwardly extending rib adapted to engage the outside of a flat surfaced pulley to resist forces tending to flex the belt inwardly toward the surface of the pulley and thereby limit the decrease in tension of the cords nearest the middle of the layer, the friction surfaces and the corresponding surface of the rib being normally in a straight line transverse of the belt.

2,294,822
CARTRIDGE
George Norman Albree, Winchester, Mass.
Original application March 1, 1939, Serial No. 259,173. Divided and this application March 22, 1940, Serial No. 325,339
3 Claims. (Cl. 102—44)



1. A cartridge case for firearms having a tubular body member, the interior diameter of which is enlarged at its base end to form an outwardly facing shoulder between the portions of different interior diameters, the portion of enlarged diameter being interiorly screw-threaded, and a two-part head detachably secured to the tubular member and comprising an inner part in the shape of a truncated cone having its larger end seated against said shoulder and also having a recess in its smaller end, and an outer part screw-threaded into said interior screw threads and provided with a recess of a shape to fit the inner part and of a size to receive substantially all of said inner part, said outer part having a central opening extending axially therethrough which is aligned with and has the same diametrical dimension as said recess in said inner part, said recess in said inner part and central opening together forming an open-ended primer-receiving pocket having a depth corresponding to the thickness of a conventional primer, said outer part extending beyond the end of the tubular body and having at its outer end a flange slightly spaced from the end of said tubular body, which flange forms with the end of the tubular body a groove to receive the ejector of the firearm.

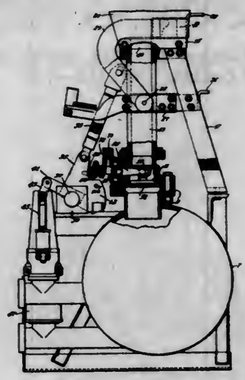
2,294,823
GEAR SHIFTING MECHANISM
William J. Andres, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application January 30, 1940, Serial No. 316,445
20 Claims. (Cl. 192—.01)



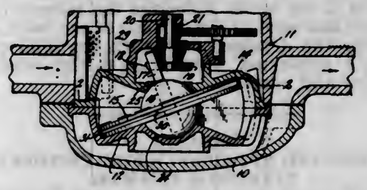
1. In an automotive vehicle having an engine, a throttle, a clutch-controlling member, and a transmission of the type having fluid-operated means for selecting and establishing one of a plurality of gear relations, a fluid motor for controlling the operation of said member, manually-operable means for opening and closing said throttle, fluid pressure-operated means for closing the throttle irrespective of the position of said manually-operable means, and means operated by movement of said fluid-operated means in a direction to establish a desired gear relation but prior to actual establishment of said relation for simultaneously energizing said fluid pressure-operated means and said fluid motor whereby the throttle is closed and said member is moved to clutch-disengaged position.

2,294,824
CIRCUIT INTERRUPTER
Benjamin P. Baker, Turtle Creek, and Richard C. Cunningham, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 21, 1940, Serial No. 357,686
8 Claims. (Cl. 200—148)

1. In a circuit interrupter of the gas-blast type, separable contacts for establishing an arc, operating means for actuating said contacts to open and closed positions, a source of gas under pressure, a valve for releasing a blast of gas from said source to extinguish said arc, an operating member for actuating said valve to open and closed positions, said contact operating means including a cam movable in accordance with the opening and closing movements of said contacts, and a cam follower operative on the surface of said cam during the opening movement of said contacts to actuate said operating member to cause said valve to open, said cam having an inclined surface portion to cause said follower to open the valve during the initial portion of the opening movement of the contacts from the fully closed position of said contacts, said cam follower being arranged to be inoperative to cause a valve operation during the closing movement of said contacts, and means in advance of said inclined surface during closing movement of the contacts operable to cause said follower to open said valve when opening movement of said contacts occurs prior to the time the contacts reach the fully closed position.



2,294,825
LIQUID METER
Robert S. Bassett, Buffalo, N. Y.
Application September 20, 1940, Serial No. 357,570
10 Claims. (Cl. 73—258)

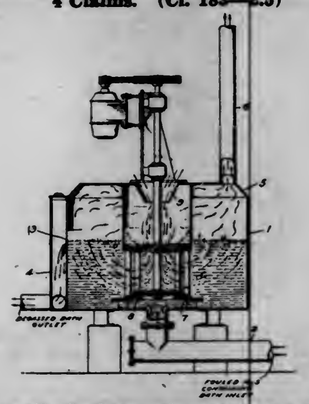


1. In a liquid meter of the nutating piston type, a measuring chamber having upper and lower walls, a nutating disk in said chamber and having a ball in the middle portion thereof, substantially spherical bearing sockets for said ball formed in said upper and lower walls of said measuring chamber, said ball being so formed that when the lower portion thereof is seated in, supported by and contacting directly the bearing socket of said lower wall, the upper portion of said ball will have a maximum clearance with the bearing socket of said upper wall of between one-half of one percent to three percent of the radius of the said sockets.

2,294,826
METHOD OF TREATING TEXTILE MATERIAL
Wilhelm Bergenthun and Ernst Pieper, Wuppertal-Barmen, Germany
No Drawing. Application March 11, 1940, Serial No. 323,484. In Germany March 21, 1939
10 Claims. (Cl. 154—40)

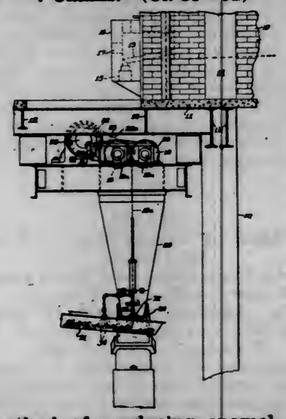
1. In a method of embedding artificial cellulosic textile materials in a caoutchouc mass, the steps which comprise treating the artificial cellulosic textile materials with a solution consisting essentially of free tri-oxy-benzol and drying the textile materials with such free tri-oxy-benzol therein before the embedding operation.

2,294,827
DEGASIFICATION OF LIQUID DISPERSIONS
Robert Ben Booth, Springdale, Conn., assignor, by mesne assignments, to Manville Jenckes Corporation, Manville, R. I., a corporation of Delaware
Application October 13, 1939, Serial No. 299,320
4 Claims. (Cl. 183—2.5)



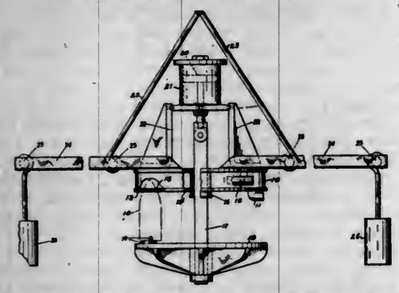
1. A method of removing gaseous constituents from fouled cellulose regenerating baths from the regeneration of cellulose xanthate viscose, containing gaseous and solid constituents, which comprises subjecting said bath to a simultaneous aeration and mechanical agitation treatment under conditions normally conducive to the froth flotation of the solids, collecting the gaseous constituents liberated at the surface of the bath and removing the degassed bath with the solid constituents contained therein from the zone of agitation and aeration.

2,294,828
METHOD AND APPARATUS FOR PRODUCING VITREOUS ENAMEL
Robert C. Boyd, Harry C. Roach, and Charles E. McNeal, Louisville, Ky., assignors to American Radiator & Standard Sanitary Corporation, a corporation of Delaware
Application February 28, 1941, Serial No. 380,980
7 Claims. (Cl. 83—91)



1. A method of producing enamel chips directly from molten enamel which comprises discharging a stream of molten enamel which has been raised to a temperature of about 1700–2000° F., intercepting such stream and substantially simultaneously cooling and deforming it to lower its temperature abruptly and to convert it to plastic sheet-like form at a temperature of about 1000–1400° F., further cooling the sheet-like enamel at a relatively slow rate until it reaches a temperature of about 800–1100° F., which is just above the annealing range of the particular composition involved and then rapidly cooling the enamel to a temperature below its annealing range and below about 750° F. but not less than about 300° F., whereby the enamel spontaneously breaks up first into plates and then into chips which are brittle and highly strained and which are in a condition favorable for ready conversion into powder form.

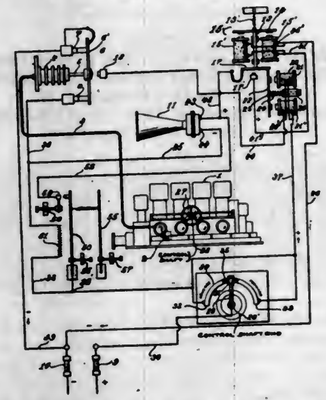
2,294,829
APPARATUS EMPLOYED IN THE HARDENING AND TEMPERING OF ARMOR PIERCING PROJECTILES
Walter Bridges, Chelsea, London, and Arthur John Chambers, Ewell, England, assignors to The Projectile & Engineering Company, Limited, Battersea, London, England
Application February 11, 1941, Serial No. 378,477
In Great Britain December 30, 1939
5 Claims. (Cl. 266—4)



1. Apparatus for use in an operation in the heat treatment of shells wherein the nose portions and the body portions of the shells are subject to different temperatures, comprising a chamber for containing a heat-exchange fluid, said chamber having a wall provided with apertures; a support for the shells; and a single means for moving said support toward said chamber to introduce the nose portions of the shells through the apertures to be acted upon by the heat-exchange fluid in the chamber, and for maintaining a yielding engagement between other portions of the shells and the perimeters of the apertures, whereby to prevent escape of the heat-exchange fluid through said apertures irrespective of dimensional changes in the parts resulting from temperature variations.

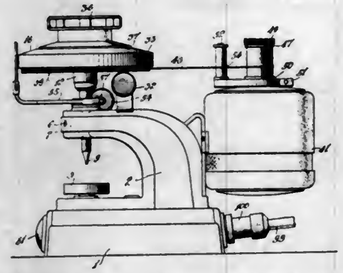
2,294,830
LUBRICATING OIL PRESSURE ALARM SYSTEM
Hector H. Brown, Baltimore County, Md.
Application July 12, 1941, Serial No. 402,149
14 Claims. (Cl. 177—311)

4. The combination with a low pressure alarm and circuit for supervising the lubricating oil circulating system of a machine having means for establishing and maintaining circulating pressure in said system, of a master switch in said circuit connected to the machine to be closed when the machine is placed in operation and opened when the machine is stopped and means for delaying operation of the alarm after the closing of the master switch thus providing for building up of pressure above said low pressure, said delay means comprising a high pressure control for said circuit having a pressure operated element connected to the oil system whereby said control is operated at a pressure above said low



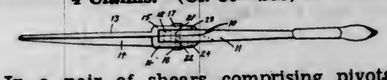
pressure, a magnet energized by said high pressure control and a detent actuated thereby, a normally open alarm switch in the alarm circuit, an electro magnet controlled by the master switch tending to close the alarm switch, said detent engaging the alarm switch to prevent its operation and being withdrawn when said high pressure control is operated.

2,294,831
APPARATUS FOR MAKING VERY FINE MEASUREMENTS
Robert W. Carson, Little Falls, N. J.
Application January 21, 1941, Serial No. 375,101
18 Claims. (Cl. 33—164)



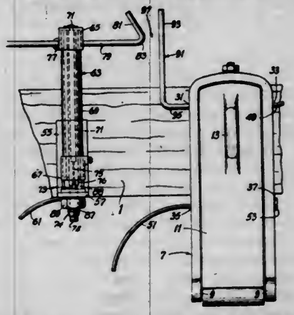
1. Apparatus for making very fine measurements including a base member having an article support, a rigid arm carried by the base and extending over the said support, a micrometer assembly having a spindle and a dial carried by the arm over said support, a motor supported through the medium of the base, means for operatively connecting the motor to the micrometer spindle and dial, an electronic circuit connected across the spindle and base support, means controlled by the electronic circuit for operating the motor to actuate the micrometer to make a measurement of an article placed on said support and means interconnected with said means controlled by the electronic circuit for determining at will the movement of the micrometer spindle and dial.

2,294,832
SHEARS
Nicholas E. Colla, Jr., Youngstown, Ohio
Application September 25, 1941, Serial No. 412,239
4 Claims. (Cl. 30—260)



1. In a pair of shears comprising pivotally connected handle members, blade members formed separately of said handle members and adapted to be secured to each of the handle members, means passed through said blade members and into the said handle members and means formed on said handle members passed through blade members for detachably connecting said blade members with said handle members, said blade members respectively overlying and underlying the pivotal connection of the handle members and being detachably mounted in connection with the handle members without removing the pivotal connection of the said handle members.

2,294,833
ELECTRICAL APPARATUS
Murray C. Cooley, University City, Mo., assignor to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application October 10, 1940, Serial No. 360,564
9 Claims. (Cl. 200—115)



1. The combination in electrical apparatus, of switch means having line terminals, each line terminal having a pair of line receiving openings only one of which is used for line receiving purposes, a gap arm in one of the unused line receiving openings, a second gap arm spaced with respect to the first-named gap arm, a grounded bracket for the second gap arm adapted to be positioned at various points with respect to the switch means, the first-named gap arm having a horizontal portion providing a rotary adjustment in connection with the switch and a vertical portion, and the second-named gap arm having two degrees of rotary adjustment and an axial adjustment with respect to the gap arm on the switch.

2,294,834
HARD SURFACING ALLOY FOR FERROUS FOUNDATION METAL
Hugh S. Cooper, Cleveland, Ohio, assignor of one-half to Frank H. Wilson, Cleveland, Ohio
No Drawing. Application June 5, 1941,
Serial No. 396,698
4 Claims. (Cl. 75—126)

1. A hard surfacing welding alloy for iron and steel foundation metal, said alloy consisting of chromium 20–70%, columbium .50–5.0%, carbon

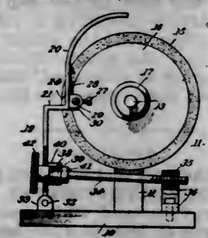
1 to 3%, from small fractional percentages up to 3% of each of the metals manganese and silicon, balance iron, said alloy being characterized by having a hardness within the range 60 to 70 Rockwell C that is substantially unaltered by fusion and re-solidification.

2,294,835
PIPE FITTING FOR AWNING ARMS AND THE LIKE
Henry Dazzo, Brooklyn, N. Y.
Application July 23, 1941, Serial No. 403,601
5 Claims. (Cl. 287—54)



5. A fitting for an awning arm, comprising a base member having a hollow semi-cylindrical front portion continuing into a flat top portion, a clamp member having a rear portion disposed upon said flat top portion and a front hollow semi-cylindrical portion complementary to said semi-cylindrical portion to form a socket for an awning bar, a fulcrum formed on the top face of the flat top portion and engaging into a complementary recess formed in the bottom face of the rear portion of said clamp member, a block set freely into a cutout extended inwards from the back end of the rear portion of said clamp member, means pivotally supporting said block, and a bolt passing freely through an enlarged opening formed in said block and threadedly engaging a complementary opening formed in said flat top portion, whereby regardless of the angular inclination of said clamp member said block will pivot relative thereto and provide a flat surface against which the bottom face of the head of the bolt will solidly seat and securely hold the block in position on said clamp member and said clamp member in position on said flat top portion, and means for increasing the operative size of said fulcrum to spread said semi-cylindrical portions to accommodate awning bars of different thicknesses, comprising shims engageable between the adjacent faces of said fulcrum and the bottom face of the rear portion of said clamp member.

2,294,836
SAW RETOOTHER
Herbert P. Deyarmond, Los Angeles, Calif.
Application December 13, 1941, Serial No. 422,925
3 Claims. (Cl. 76—37)



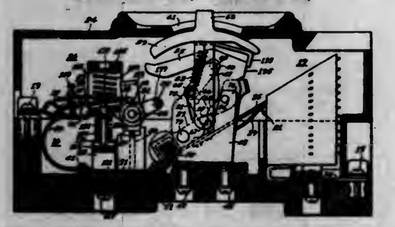
1. A saw re-toother comprising, a base plate, a driven arbor rotatably mounted on the base plate, a thin emery wheel secured to the arbor, reinforcing disks on each side of the emery wheel removably secured to the arbor, a guard hinged on the base plate having an offset portion adapted to support a saw and curved over the emery wheel, a gage member mounted on the guard for forward and backward and lateral adjustment having a tooth projecting through the guard for engaging a saw tooth, and means for rocking the guard on the hinge thereof toward and away from the emery wheel.

2,294,837
METHOD AND APPARATUS FOR CASTING FLUID TRANSMISSION MEMBERS
Adiel Y. Dodge, Rockford, Ill.
Application August 26, 1939, Serial No. 292,014
6 Claims. (Cl. 22—203)



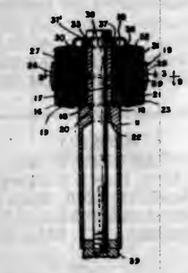
1. The method of casting double vaned fluid transmission members which comprises securing sets of vanes to two annular supporting members of different diameters, packing the spaces between the vanes of each set with sand, placing the sets of vanes and the supporting members in a mold providing a cavity exposed to edge portions of both sets of vanes and a second cavity exposed to the radial inner edge of the inner set of vanes, and pouring molten metal into both of said cavities.

2,294,838
CIRCUIT BREAKER
Hiller D. Dorfman, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 15, 1941, Serial No. 393,535
18 Claims. (Cl. 200—116)



1. In a multi-pole circuit breaker, the combination with a spring biased actuating member releasable to effect circuit opening operation of the breaker, of a trip device including a trip bar common to all of the poles of the breaker, said bar being biased to latching position, a latch for restraining the actuating member in inoperative position, said latch being operable by the trip bar to unlatch the actuating member, a plurality of trip members operatively associated with the trip bar, said trip members being biased to operate the trip bar, and a plurality of thermal elements each having a free end disposed in the path of movement of a corresponding one of the trip members at all times for opposing movement of said trip member to tripping position, said thermal elements being responsive to predetermined circuit conditions in the circuit of their associated poles to independently cause movement of the trip bar to unlatch the actuating member.

2,294,839
VEHICLE CONSTRUCTION
Thomas I. Duffy, Detroit, Mich., assignor to Ethel M. Benedict, Highland Park, Mich.
Application September 11, 1939, Serial No. 294,383
1 Claim. (Cl. 74—551.2)



A bicycle having a steering post provided with a shoulder intermediate the ends thereof and having a handle bar for rotating the post, a bracket having a portion attachable to the handle bar and having a tubular hub portion provided with a transverse web intermediate the ends thereof apertured to receive the post, tubular blocks of rubber material sleeved on the post at opposite sides of the web and having the adjacent ends extending into opposite ends of the hub portion into engagement with opposite sides of the web, and means on the post cooperating with the shoulder to secure the rubber blocks under compression against opposite sides of the web.

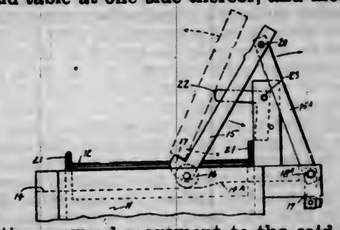
2,294,840
SPECTACLES
Maude Dunn, Birmingham, Ala.
Application March 27, 1941, Serial No. 385,427
1 Claim. (Cl. 88—52)



In spectacles and the like of that type having temples formed with depending ear engaging portions, a pair of readily removable substantially thin cap members of elastic material, each encompassing and snugly engaging one of said portions, each of said members including an elongated tubular body part open at its inner end and a head at its outer end, said cap members each having a longitudinal tread formed on the outer surface thereof, said body part completely enclosing only that part of the ear engaging portion of the temple that engages behind the head, and said head enclosing the outer end of said portion.

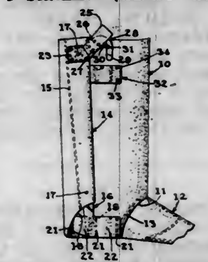
2,294,841
SLAB TURNING DEVICE
William A. Ezell, Poland, Ohio
Application July 18, 1941, Serial No. 402,969
5 Claims. (Cl. 214—1)

1. In a slab turning device including a roller table having transversely positioned tracks, elevating mechanism adapted to lift and turn a slab thereon, said mechanism comprising a plurality of hinged arms positioned transversely of the said table on said tracks, said arms arranged in pairs and pivoted together at adjacent ends, one of each pair of the said hinged arms pivoted to the said table at one side thereof, and means for



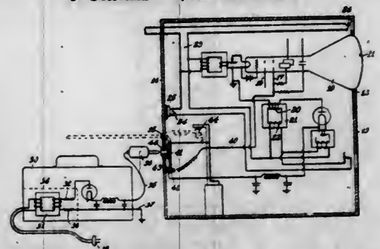
imparting upward movement to the said hinged arms so as to lift and tip a slab thereon.

2,294,842
FASTENER FOR LEGGINGS
Beecher Frank, Cleveland, Ohio, assignor to Donald E. Kimball, Cleveland, Ohio
Application February 5, 1938, Serial No. 188,918
3 Claims. (Cl. 24—267)



1. Means for securing adjacent free end portions of clothing, and the like, comprising: keeper means secured to one of said end portions, and hook-like means carried by the other of said end portions, said hook-like means adjacent to, and at the inner side of the bight thereof, having a recess for reception of said keeper means, when said hook-like means are in engaged position with respect to said keeper means, said recess in part being defined by a cam surface positioned to cam the said hook-like means into and out of engagement with said keeper means and thus facilitate manipulation of said keeper means by the user.

2,294,843
MEANS FOR SAFELY SERVICING DANGEROUS ELECTRICAL APPARATUS
Edward G. Gage, Brooklyn, N. Y., assignor of two-thirds to Leon Ottinger, New York, N. Y.
Application November 19, 1941, Serial No. 419,717
9 Claims. (Cl. 250—27)



1. The combination with an electrical circuit having a source of dangerously high potential and dangerous current and a thermionic asymmetric device connected therewith to operate

normally at said potential and current, a casing enclosing said source and asymmetric device, said casing including a movable closure member, together with means cooperating with the closure member to deenergize the source of dangerously high potential and current when said closure member is moved to admit of access to the interior of the casing and to restore the same when the said closure member is applied to the casing to close the latter; of means including an alternative connection to the thermionic asymmetric device, operative when the closure member is moved to open the casing, for supplying temporarily to the said thermionic asymmetric device an independent source of nominally dangerous potential and current of a safe but operative value.

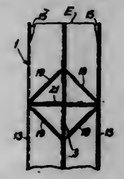
2,294,844
PHOSPHATE GLASS BATCH
Frederick Geistharp, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application April 1, 1939, Serial No. 265,517
2 Claims. (Cl. 106—47)

1. A phosphate glass batch comprising from 50 to 100 per cent by weight of aluminum metaphosphate, from 0 to 26 per cent by weight of an alkali metal monophosphate, and from 0 to 27 per cent by weight of monomagnesium phosphate.

2,294,845
NEOPRENE COMPOSITION
George Monty Hamilton, London, England, assignor to Callender's Cable & Construction Company Limited, London, England, a British company
No Drawing. Application June 15, 1939, Serial No. 279,314. In Great Britain July 5, 1938
1 Claim. (Cl. 260—27)

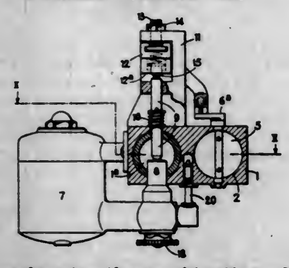
In a process of production of a cellular rubber-like material involving compounding followed by expanding and vulcanizing, the steps of compounding which comprise mechanically mixing magnesium oxide and polymerized chloro-2-butadiene, heating the mix and adding dry shellac within the limits of 2.5 to 50 parts by weight to each 100 parts by weight of polymerized chloro-2-butadiene, cooling the mix and adding zinc oxide.

2,294,846
VALVULAR BAG
Albert C. Haungs, Peoria, Ill., assignor to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri
Application November 10, 1939, Serial No. 303,743
1 Claim. (Cl. 229—62.5)



A bag structure comprising a tube having front and back walls and three parallel creases on each side to form oppositely located, inwardly directed gussets, diagonal creases within a gusset and in the walls at one corner of the bag providing for an end portion of said gusset being directed inward to form a valve composed in part of turned-in wall portions of the bag so as to form two panels for the top of the valve and in part of material turned in from the gusset so as to form two panels for the bottom of the valve, the material in the valve from the wall portions of the bag and that from the gusset portions being separated by two of said parallel gusset creases, and a pair of slits respectively at said last-named creases, each slit consisting of an opening formed by removing a finite area of material which includes part of the respective gusset crease.

2,294,847
CARBURETOR
Fritz Jeck, Basel, Switzerland
Application April 24, 1940, Serial No. 331,470
In Switzerland February 7, 1940
2 Claims. (Cl. 261—49)



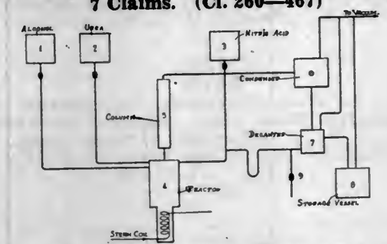
1. In a carburetor the combination of a body, a U-shaped through passage therein set in a horizontal plane with its limb passages lying side by side, two valves arranged respectively in said limb passages, with their axes perpendicular to one another, a fuel nozzle porjecting into one of said passages between said valves, a needle slidable within said nozzle, having a cylindrical portion which in cooperation with the nozzle bore constitutes the minimum outlet area and a tapered portion, a slidable wedge controlling the movement of said needle in said nozzle, said wedge including an operative surface parallel with its sliding direction and a sloping operative surface succeeding said first named surface, said needle and surfaces being so related that said cylindrical portion is completely withdrawn from said nozzle when the beginning of said sloping surface comes into action, and means interconnecting said sliding wedge and said valves whereby said valves are opened and closed simultaneously with the opening and closing of the nozzle by the needle.

2,294,848
BAG HANDLE
Royal T. Moore, Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation, a corporation of New York
Application July 3, 1940, Serial No. 343,772
4 Claims. (Cl. 229—62)



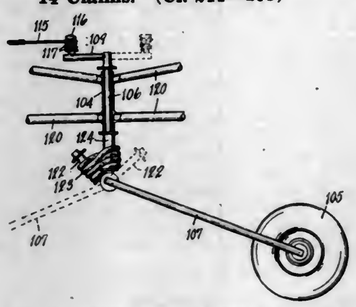
1. A handle defining closure for paper bags and the like having collapsed upstanding bag mouths and including a stiffening element positioned within the closure forming area of said collapsed bag mouth, said collapsed bag mouth and the stiffening element carried thereby being bent to form a return fold, means for securing said return fold in the folded position leaving the free end of the collapsed bag mouth there unsecured, said return fold securing means being located only at places adjacent the ends of said return fold whereby a portion of the closure intermediate the secured ends of said return fold may be displaced outwardly to define a carrying handle, said free end of the collapsed bag mouth being bent over said return fold and thence downwardly along the opposite side thereof, and means for securing the same against said return fold.

2,294,849
MANUFACTURE OF NITRIC ACID ESTERS
John F. Olin, Grosse Ile, and Frederick P. Fritsch, Wyandotte, Mich., and Joseph J. Schaefer, Philadelphia, Pa., assignors to Sharples Chemicals Inc., a corporation of Delaware
Application August 20, 1938, Serial No. 225,908
7 Claims. (Cl. 260—467)



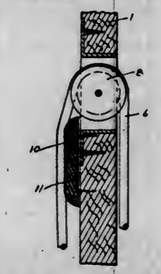
4. The process of preparing an alkyl nitrate containing between 3 and 8 carbon atoms in its alkyl radical comprising contacting boiling dilute nitric acid with a monohydric aliphatic alcohol containing the alkyl radical of the desired alkyl nitrate, and continuously removing from the esterification zone water and the desired alkyl nitrate by azeotropic distillation during the course of the esterification reaction while maintaining the concentration of the nitric acid between 35 and 60% by adding water to the reaction mixture.

2,294,850
GROUND GEAR FOR AIRPLANES
John Paul Ostrander, Benton Harbor, Mich.
Application July 15, 1940, Serial No. 345,543
14 Claims. (Cl. 244—109)



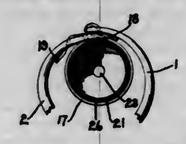
1. In an airplane, ground gear comprising a bearing block, a caster wheel having a substantially vertical pivot post journalled in said bearing block, a crank arm fixed to said post to turn the same to steer said caster wheel and extending longitudinally of said airplane, a pair of guides spaced laterally in said airplane and on opposite sides of said post, steering control means, a pair of longitudinally extensible connecting means connected to and extending from said steering control means, one through each guide, and pivotal means on said crank arm connecting said connecting means to said crank arm at a point spaced from said post and above the upper end of said post whereby on backward movement of the airplane on the ground said caster wheel may caster and may turn through 360°, and said connecting means may clear the end of said post by movement in a plane above the end of said post and extending transversely of the axis of said post.

2,294,851
WINDOW ATTACHMENT
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application July 2, 1940, Serial No. 343,599
4 Claims. (Cl. 16—194)



1. In a window construction including sash structure and a counterweight of less weight than the sash structure, a cable member connected to the counterweight and to the sash structure, a pulley rotatable in the upper portion of the window construction and having the cable trained thereover to support the sash structure on the cable for vertical movement whereby the sash structure tends to overbalance the counterweight, said window construction including an upright member adjacent the cable member, a deformable body secured to one of said members and pressed against the other member and constituting a one-way brake against downward movement of the sash structure to compensate for the greater weight of said structure.

2,294,852
SURGICAL INSTRUMENT
Edwin M. Smith, Grand Rapids, Mich.
Application July 15, 1940, Serial No. 345,455
7 Claims. (Cl. 128—305)



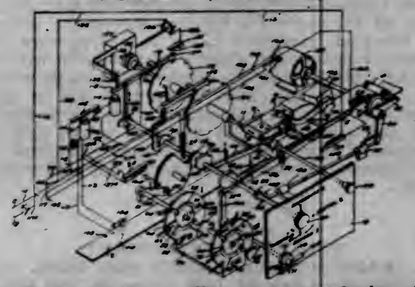
1. An instrument for performing circumcision comprising, two members curved toward each other and pivotally secured together, a wire secured to the outer free ends of said members and extending inwardly therefrom substantially in the form of a ring within the confines of said members, means to hold the prepuce separate from the glans, and means to hold said members in closed position with said wire encircling said prepuce to thereby give the wire a crushing action on the prepuce.

2,294,853
REGISTER
Ezra G. Smith, Nutley, N. J., assignor, by mesne assignments, to International Devices, Incorporated, Orange, N. J., a corporation of New Jersey
Application March 8, 1941, Serial No. 382,209
14 Claims. (Cl. 282—6)



2. A register of the portable manifold type comprising a casing having an open front, a floating partition loosely disposed in the casing to divide the casing into supply compartment and a filing compartment to respectively receive a supply of super-imposed connected sheets and copy sheets, the partition floating between the supply and copy sheets and variable in position by variations in the quantities of the sheets to vary the sizes of the compartments, and a platen carried by the casing, adapted to receive the connected sheets and movable into different positions relative to the casing, one to selectively present the connected sheets successively for recording data and another to close the said open front.

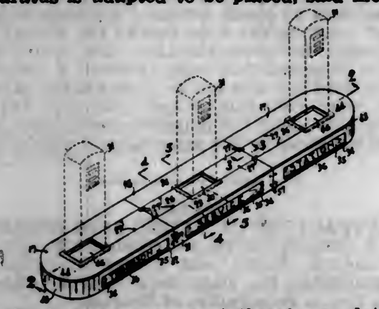
2,294,854
CONTROL MEANS FOR SOUND RECORDING AND REPRODUCING MACHINES
Edgar L. Steed, Woodside, Long Island, N. Y., assignor, by mesne assignments, to Amertype Recordgraph Corporation, Elizabeth, N. J., a corporation of Delaware
Application May 2, 1941, Serial No. 391,533
13 Claims. (Cl. 274—11)



1. In a sound recording and reproducing device, a record medium, a recording head, a pick-up head, both said heads movable laterally in relation to said record medium, means for locking both said heads from lateral movement in either direction, a single manipulative member having a recording position and a neutral position, and means controlled thereby and associated with said locking means for rendering said locking means effective when said member is in recording position and for releasing said locking means when said member is in neutral position.

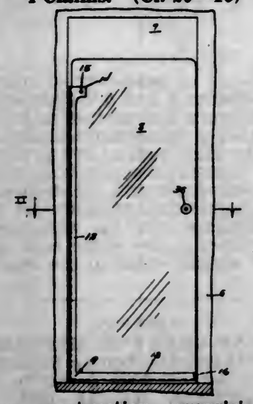
2,294,855
ISLAND FOR DISPENSING APPARATUS
Paul E. Thomason, Charlotte, N. C.
Application July 15, 1940, Serial No. 345,651
3 Claims. (Cl. 248—2)

1. A portable island for supporting service station dispensing apparatus, comprising a hollow structural member, said hollow member having an opening therein over which the dispensing apparatus is adapted to be placed, said member



also having an access port therein, a plate removably mounted over said port and means for anchoring said island in stationary position.

2,294,856
DOOR
George L. West, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 26, 1940, Serial No. 342,476
4 Claims. (Cl. 20—16)



1. A door construction comprising a monolithic panel of glass having a vertical and the bottom edge thereof disposed in channels which are connected together to form a member of L-shape, the vertical channel having hinged elements secured thereto, the channel at the bottom edge of the door being closed at its forward end and having a lug extending into a notch formed in the forward edge of the door panel, said lug being secured to the flange by screw means so that the panel can be slipped into position or withdrawn when the screw is not in position, but the panel being positively locked from displacement when the screw is threaded into the lug.

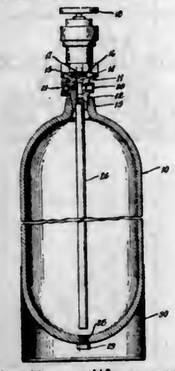
2,294,857
NECKWEAR
Albert M. Alexander, New York, N. Y., assignor to Louise M. Alexander, New York, N. Y.
Application August 3, 1940, Serial No. 350,211
3 Claims. (Cl. 2—146)

1. In a tie of the four-in-hand type, having a front and rear face and a lining, a tape fastened through said rear face and said lining, whereby a downward pull on said tape will cause a downward pull on said lining, and a spot of adhesive above said tape and connecting said lining and



said front face, to transmit said downward pull to a limited area of said front face.

2,294,858
HIGH PRESSURE FLUID CONTAINER
Scott E. Allen, Verona, N. J., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware
Application April 10, 1940, Serial No. 328,807
2 Claims. (Cl. 169—31)



1. In combination with a container provided with a bottom wall having a concave inner surface, a discharge head threaded in the neck of the container and a syphon tube supported in the discharge head and projecting to a point close to the bottom wall of the container, of a closure plug for the container threaded in the bottom wall of the container in a position opposite the lower end of the syphon tube permitting the container to be filled completely with fluid for testing purposes without the removal of the discharge head and syphon tube, and the container, syphon tube and discharge head to be drained of all of the testing fluid.

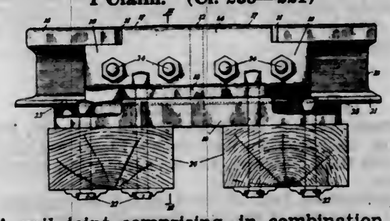
2,294,859
GARMENT
Aaron A. Eckerling, Chicago, Ill.
Application May 28, 1940, Serial No. 337,636
4 Claims. (Cl. 2—232)

4. Trousers comprising a trunk portion and leg portions, each of said leg portions including a seam adapted to impart enhanced rigidity to said leg portion from below the knee region to the distal end thereof, said seam comprising overlapped edges of the trousers fabric, a pliable



support of stiff material enclosed between said overlapped edges, and spaced rows of stitching joining said overlapped edges and confining said support therebetween.

2,294,860
RAIL EXPANSION JOINT
George Ellson, Leatherhead, England
Application April 22, 1940, Serial No. 331,027
In Great Britain June 16, 1939
1 Claim. (Cl. 238—221)

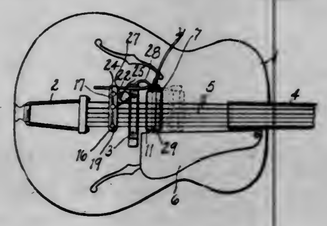


A rail joint comprising, in combination with the rails, a fishplate of normal construction at the inner side of the joint, an angle fishplate at the outer side of the joint which is accommodated in cut-away portions in the head and feet of the rail ends with its upper surface flush with the tread surface of the rails and forming a flat bridge across the joint and its undersurface in alignment with the rail feet, fishbolts connecting the fishplates to the rails, a base plate disposed beneath the rail ends with the undersurface of the angle fishplate and the under surfaces of the rail ends resting directly on the base plate so that the vertical traffic loads are transmitted directly from the angle fishplate to the base plate, a pair of sleepers one beneath each rail end, and means securing the base plate to the sleepers and to the angle fishplate, the angle fishplate, the normal fishplate and base plate cooperating to prevent depression of the rail ends on the passage of traffic over the joint, said sleepers being spaced apart from each other sufficiently to enable permanent way material to be tamped between them and worked under them.

2,294,861
ELECTRICAL PICKUP FOR STRINGED MUSICAL INSTRUMENTS
Walter L. Fuller, Kalamazoo, Mich., assignor to Gibson, Inc., Kalamazoo, Mich.
Application August 14, 1940, Serial No. 352,480
7 Claims. (Cl. 84—1.16)

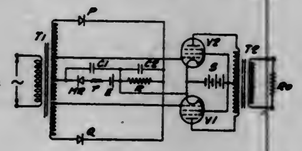
1. A pickup construction for a stringed musical instrument which is adjustable on and removable from the instrument, comprising a pick-up having a vertically extending pole piece

adapted to be disposed adjacent and beneath the strings, a casing including a top casing member housing the pickup and having an offset portion extending above the remainder of the casing member and accommodating the pole piece whereby to provide clearance between the strings and said remaining portion, a guide rod secured to one side of the casing and extending rearwardly toward the tailpiece of the instrument,



and a clamp slidably receiving and adjustably clamping said guide rod, said clamp having means for fixedly securing the same to the strings between the bridge and tailpiece of the instrument, said clamp having control means for the pickup mounted thereon and being removable from the strings whereby the pickup construction may be removed in its entirety from the instrument.

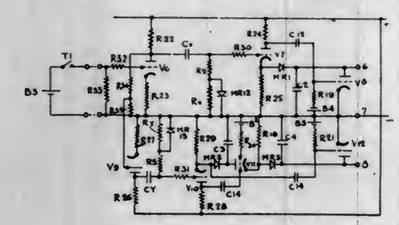
2,294,862
THERMIONIC VALVE CIRCUITS
Bertram Morton Hadfield, Harrow Weald, England, assignor to Associated Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application July 10, 1940, Serial No. 344,642
In Great Britain August 5, 1939
5 Claims. (Cl. 179—171)



1. An amplifier having a space discharge device and an input transformer, a rectifier circuit including a portion of the secondary of said transformer for initially applying a grid potential to the device when alternating current is supplied to the primary of said transformer, said potential varying in proportion to the input volume, a network connected across said rectifier circuit effective when the direct current bias reaches a predetermined value to vary the rate of change of the grid potential with respect to the input volume.

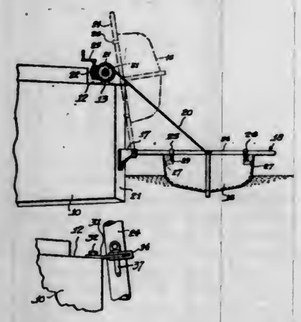
2,294,863
ELECTRICAL STORAGE AND DELAY CIRCUITS
Bertram Morton Hadfield, Harrow Weald, England, assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application March 29, 1941, Serial No. 385,956
In Great Britain April 6, 1940
4 Claims. (Cl. 178—44)

1. A circuit arrangement comprising a main circuit in which direct current impulses are generated, a series of branch circuits associated therewith, certain of said branch circuits having means responsive to the make period of said impulses to produce voltages proportional thereto, and others of said branch circuits having means responsive to the break period of said impulses to produce voltages proportional thereto, each branch circuit including a rectifier and a condenser in series and means for discharging the



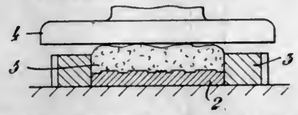
condenser after a certain time interval, said means for discharging the condensers in the first group of branch circuits being effective substantially at the termination of a subsequent make period to pass on the voltage to the next branch circuit, the means for discharging the condensers in the second group of branch circuits is effective at the termination of a subsequent break period to pass the voltage to the next branch circuit.

2,294,864
APPARATUS FOR CARRYING AND LAUNCHING BOATS
George E. Palmer, Detroit, Mich.
Application October 25, 1938, Serial No. 236,914
4 Claims. (Cl. 9—22)



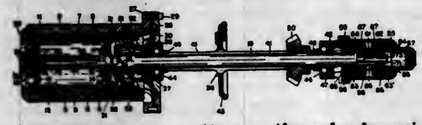
1. In an apparatus for carrying and for launching a dinghy having gunwales from a larger boat comprising, a davit pivotally connected near the water line to the stern and externally of the boat, said davit being arranged to swing about an axis transverse of the boat and lie across the gunwales of the dinghy, hooks carried by said davit and arranged to hook under the gunwales of the dinghy to hold the dinghy to the davit, at least some of said hooks being movable relative to said davit to disengage from the dinghy, releasable means to hold the hooks against movement relative to said davit, and means to raise and lower said davit carrying said dinghy in operative position.

2,294,865
METHOD OF MAKING DECORATED ARTICLES
Otto Frankenthal, Slough, England, and Robert Lederer, New York, N. Y., assignors to Aktiebolaget Swedish Artid, Stockholm, Sweden, a joint-stock company of Sweden
Application February 28, 1939, Serial No. 258,932
In Great Britain March 25, 1938
8 Claims. (Cl. 18—61)



1. A method of manufacturing decorated articles, comprising, etching a graphic design, positive and non-reversed, into a truly plane surface of a metal block, transferring the design in the block directly unto a plate having a thickness greater than the depth of the recessed portions to be formed therein, whereby the recessed portions of said negative plate conform to the truly plane surface of said block, fitting said plate in other mould parts of hard metal to form a composite mould, pressing plastic hardenable material to form an article by means of said composite mould, whereby the raised portions of the design in said article are truly plane, and mechanically colouring the recessed portions of said design in said article.

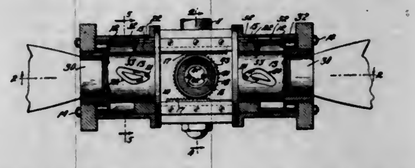
2,294,866
MEANS FOR SUPPORTING THREAD ADVANCING REELS
Richard F. Bergmann, Lakewood, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 10, 1941, Serial No. 397,415
14 Claims. (Cl. 242—53)



1. Means for supporting a thread-advancing reel embodying two sets of bar members disposed in inclined relation to each other comprising a frame member; means for supporting one of said sets of bar members from a point within its own periphery for rotation about one end of said frame member; first bearing means substantially completely encompassed by the supporting means for said first set of bar members disposed adjacent the end of said frame member about which said first set of bar members is mounted; second bearing means disposed adjacent the other end of said frame member; a shaft journalled in and extending beyond said first bearing means, the second set of bar members being mounted upon the projecting portion of said shaft; and driving means mounted upon the shaft between said first and second bearing means.

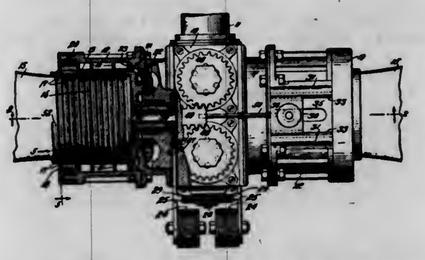
2,294,867
VARIABLE PITCH AIRSCREW FOR AIRPLANES
David H. Bottrill, Montreal, Quebec, Canada, assignor to Canadian Car & Foundry Company Limited, Montreal, Quebec, Canada, a corporation of Quebec, Canada
Application February 13, 1940, Serial No. 318,695
15 Claims. (Cl. 170—162)

1. In a variable pitch airscrew having a relatively fixed hub element, a turnably mounted blade spindle and a controlling element responsive to speed of rotation, a cam connection connecting the controlling element, the blade spindle and the fixed element, and comprising a cam follower and an endless groove having a plu-



rality of different parts each of which is operative to control the pitch in a predetermined part of a complete rotary speed cycle, the different parts of the groove being differently inclined so as to make variation in pitch bear different relations to variation in speed of rotation.

2,294,868
VARIABLE-PITCH AIRSCREW FOR AIRPLANES
David H. Bottrill, Montreal, Quebec, Canada, assignor to Canadian Car & Foundry Company Limited, Montreal, Quebec, Canada, a corporation of Quebec, Canada
Application February 4, 1941, Serial No. 377,285
5 Claims. (Cl. 170—162)

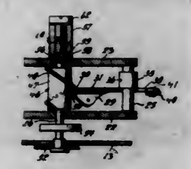


1. In an airscrew having a relatively fixed hub element, a turnably mounted blade spindle and a controlling element responsive to speed of rotation, an interconnection between the controlling element, the blade spindle and the fixed element comprising a cam follower and a cam having an endless cam groove formed to permit the cam follower to move around the groove in one direction and positively to prevent it from moving around the groove in the oppsite direction.

2,294,869
MOVEMENT FOR MEASURING INSTRUMENTS
Frederick Buechmann, New York, N. Y., assignor to Certified Gauge & Instrument Corp., Long Island City, N. Y., a corporation of New York
Application July 15, 1941, Serial No. 402,470
20 Claims. (Cl. 73—109)

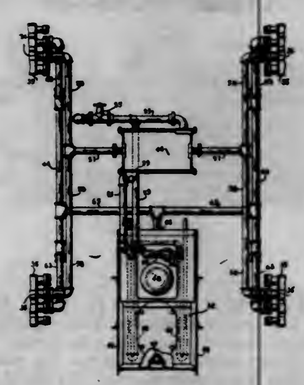
1. A movement for a measuring instrument having means responsive to changes in conditions, a pointer shaft and a pointer carried thereby, said movement including a driven gear formed with a spiral thread of substantially uniform lead throughout its length, driving means including a gear for rotating the driven gear in one direction and formed with an elongated gear face operating against one surface of the exter-

nal thread and causing progressive engagement between the respective gear faces during rotation, and spring means for rotating the driven gear in the opposite direction as rotation in such



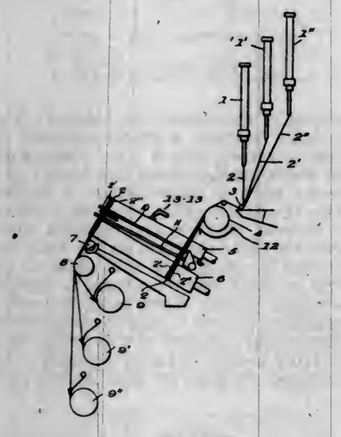
direction is permitted through non-driving rotation of the driving gear, the elongated gear face lying on an angle corresponding to the lead angle of the external thread.

2,294,870
APPARATUS FOR CONTINUOUSLY CONDITIONING THREAD OR THE LIKE
Hayden B. Kline, Cleveland, Richard F. Bergmann, Lakewood, Walter F. Knebusch, Dayton, and Alden H. Burkholder, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application March 19, 1940, Serial No. 324,834
6 Claims. (Cl. 18—8)



1. Apparatus for treating thread comprising a thread store device which continuously but temporarily stores thread thereon in the form of a traveling helix characterized by a series of generally helical turns; means for continuously applying to the thread a processing liquid which on drying tends to form a hardened deposit and which, in the mass, has a tendency to settle on standing; a container accommodating a relatively large volume of such processing liquid; a conduit associated with said container for conducting liquid from said container to said liquid applying means; a pump for supplying liquid from said container to said conduit in excess of the amount applied to the thread; means for returning at least a part of the liquid from said conduit back to said container to agitate the liquid contained therein; means for drying the turns of thread stored on said thread store device; and means for changing the positions of the turns of thread on said thread store device to prevent the formation on said thread store device of hardened deposits of liquid.

2,294,871
METHOD AND APPARATUS FOR THE CONTINUOUS SPINNING OF ARTIFICIAL SILK
Erich Sellner, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y., a corporation of Delaware
Application July 18, 1940, Serial No. 346,202
In Germany July 19, 1939
4 Claims. (Cl. 18—8)

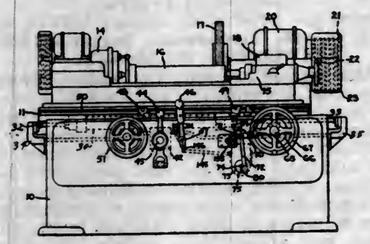


2. An apparatus for simultaneously spinning, from a cellulosic solution, a plurality of individual rayon threads comprising: a pair of rollers arranged side-by-side in spaced relation, means for driving said rollers to rotate at corresponding peripheral speeds, means for spinning at least two separate threads from a conventional spinning solution, means for progressively directing one of said freshly spun threads around and along said pair of rotated rollers as a traveling open helix having a pitch equal to several times the diameter of said thread and for progressively directing the other freshly spun thread to the same pair of rotated rollers as a traveling open helix of substantially identical pitch and extent interwound with said first helix in non-contact therewith, means for applying a treating fluid to corresponding substantially equal interwound portions of each of said helixed threads as moved along said rotating rollers, and thread take-up means for each of said threads operative to maintain non-contact of said treated threads as progressively removed from said rollers.

2,294,872
GRINDING MACHINE
Wallace H. Wood, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application October 26, 1940, Serial No. 362,898
7 Claims. (Cl. 51—95)

1. In a grinding machine having a longitudinally movable table, a rotatable work support thereon and a transversely movable rotatable grinding wheel, means to reciprocate said work table longitudinally, a wheel feeding mechanism operatively connected to move said wheel transversely, a fluid motor to actuate said feeding mechanism, a reversing valve to change the direction of movement of said motor, a pair of independent pilot valves each operatively connected to shift said reversing valve in either direction,

operative connections between the table reciprocating mechanism and one of the pilot valves whereby the reversing valve and the motor may be actuated to produce an infeeding movement of the grinding wheel intermittently at the ends of the table stroke, operative connections between

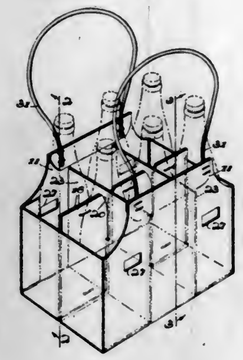


the second pilot valve and the fluid motor whereby the motor actuates the second pilot valve continuously to produce a continuous infeed or plunge-cut, and a selector valve whereby one of the pilot valves may be rendered operative while the other remains inoperative.

2,294,873
AMINOTRIAZINE-ALDEHYDE CONDENSATION PRODUCTS
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 1, 1941, Serial No. 400,649
17 Claims. (Cl. 260—42)

8. A resinous composition obtained by reaction of ingredients comprising melamine, formaldehyde and a chloroacetyl urea.

2,294,874
BOTTLE CARRIER
Allen A. Gordon, Baltimore, Md.
Application December 26, 1940, Serial No. 371,735
1 Claim. (Cl. 229—52)



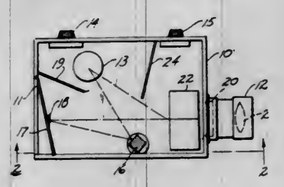
A container provided with interior right angularly disposed partitions and adapted to be collapsed to flat form with the partitions within the collapsed walls, said container including side walls and end walls formed in a one piece structure with fold lines between said walls, a flap at one end of said structure permanently connected to the wall at the opposite end of said structure to complete an enclosure constituted by said four lateral walls, said side walls having tabs bent toward each other and then upwardly to provide a bottom and a partition between the end walls, said partition having locking slots, said end walls also having tabs provided with locking slots and bent toward each other and then upwardly to engage said bottom wall and form partitions between said side walls when said last named locking slots are engaged with said slots in said first named partition, each of said end walls having a fold line on its inner face whereby said end walls may be folded outwardly with the two leaves of each end wall lying in the planes of the side walls and the tab on each end wall being provided with a corresponding fold line whereby each end wall tab when disconnected from said side wall tabs may be folded away from the bottom wall and outwardly against its corresponding end wall and then inwardly folded between the leaves of its end wall, said side wall tabs being foldable against said side walls into the plane of and intermediate the leaves of the end wall tabs when the container is collapsed.

2,294,875
PROCESS OF PREPARING COATING MATERIALS
Paul L. Hexter and Russell Shepheard, Cleveland, Ohio, assignors to The Arco Company, Cleveland, Ohio
No Drawing. Application May 23, 1941, Serial No. 394,950
8 Claims. (Cl. 117—37)

6. A visually olive drab coating composition having substantially similar infrared reflecting characteristics to nature's deciduous greens, said coating composition containing a major portion of infrared reflecting bodies and a minor portion of infrared transmissive bodies.

7. A durable surface coating composition comprising a film forming, air hardening suspension of visually dark pigments in a liquid vehicle, some of said pigments being selected from the group of pigments displaying the characteristics of reflectance of invisible light waves above 700 millimicrons in length and some of said pigments displaying the similar characteristic of transmission of invisible light waves about 700 millimicrons in length.

2,294,876
COMPARATOR
Joseph B. Walker, Los Angeles, Calif.
Application May 6, 1940, Serial No. 333,471
6 Claims. (Cl. 88—14)



1. An optical comparator for coordinating the illumination of a subject to be photographed with

the tonal value thereof, which includes: a housing having an aperture in one wall thereof; a color sample carrier within said housing; means in said housing for simultaneously viewing an opaque color sample on said carrier by reflected light and an independently lighted remote scene visible through said aperture; a light source within said housing adapted to illuminate said color sample; and means for varying the intensity of the light falling on said color sample whereby its tonal value can be matched with that of the subject being photographed.

2,294,877

TREATMENT OF DRILLING FLUIDS

Truman B. Wayne, Houston, Tex.

No Drawing. Application September 5, 1941, Serial No. 409,655

17 Claims. (Cl. 252—8.5)

1. A mud-laden drilling fluid containing a small percentage of a water-soluble polyphosphoric acid compound.

2,294,878

NITROGENOUS WAXY TO RESINOUS CONDENSATION PRODUCTS AND PROCESS OF PRODUCING SAME

Hans Georg Hummel, Mannheim, and Michael Jahrstorfer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 2, 1939, Serial No. 287,906. In Germany August 8, 1938

11 Claims. (Cl. 260—78)

1. The process of producing waxy to resinous nitrogenous condensation products which comprises heating a partially amidated polycarboxylic acid compound selected from the class consisting of partially amidated polycarboxylic acids, their esters and acyl halides, said compound being free from aliphatic radicles containing more than four carbon atoms, only with a monoamine containing a hydrogen atom attached to the amino nitrogen and an aliphatic radicle having more than 12 carbon atoms.

DESIGNS

SEPTEMBER 1, 1942

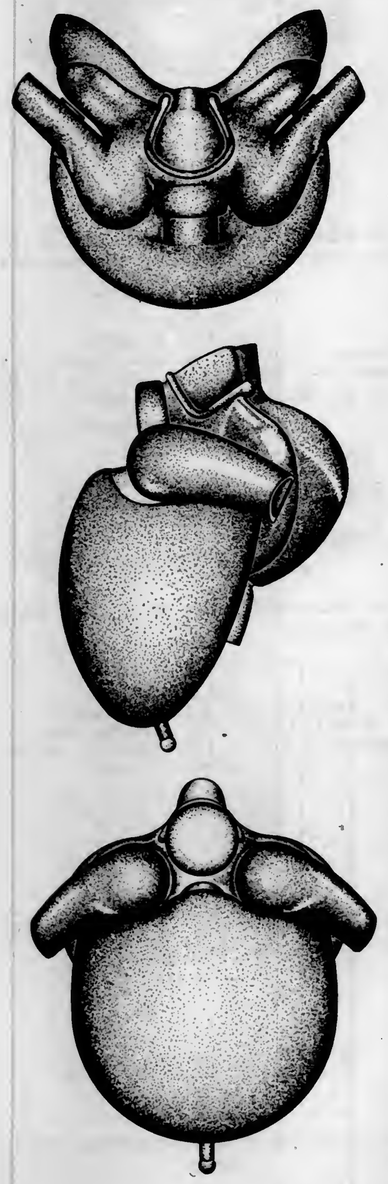
133,608

DESIGN FOR A COMBINED OXYGEN MASK AND REBREATHING BAG OR SIMILAR ARTICLE

Arthur H. Bulbulian, Rochester, Minn.

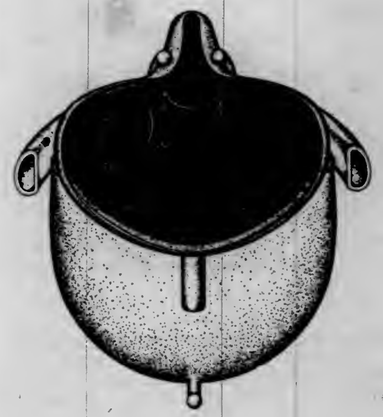
Application April 20, 1942, Serial No. 106,628

Term of patent 14 years



The ornamental design for a combined oxygen mask and rebreathing bag or similar article, substantially as shown.

133,608—Continued



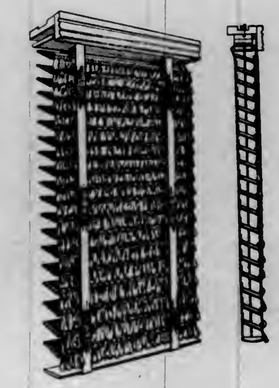
133,609

DESIGN FOR A VENETIAN BLIND

Thelma J. Black, Dallas, Tex.

Application March 2, 1942, Serial No. 106,052

Term of patent 14 years



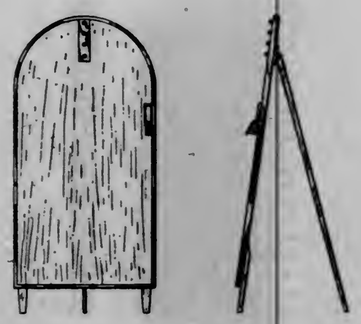
The ornamental design for a Venetian blind, as shown.

133,610
DESIGN FOR A ROTARY TOOTHBRUSH
Denis Borgeat, Montreal, Quebec, Canada
Application April 30, 1942, Serial No. 106,760
Term of patent 14 years



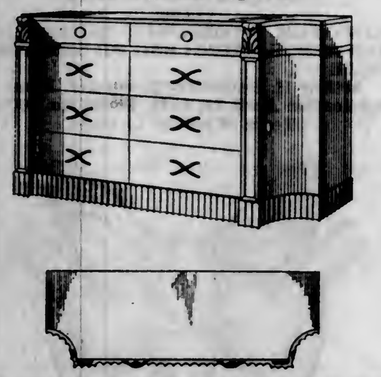
The ornamental design for a rotary toothbrush, as shown.

133,611
DESIGN FOR A GARMENT MEASURING BOARD
Phil C. Bowen, Kansas City, Mo.
Application March 3, 1941, Serial No. 99,289
Term of patent 3½ years



The ornamental design for a garment measuring board, as shown.

133,612
DESIGN FOR A CHEST OR SIMILAR ARTICLE
Anthony J. Buckner, Jackson Heights, N. Y., assignor to Grosfeld House, Inc., New York, N. Y., a corporation of New York
Application April 2, 1942, Serial No. 106,434
Term of patent 3½ years



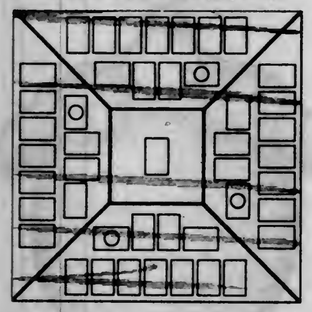
The ornamental design for a chest or similar article, substantially as shown and described.

133,613
DESIGN FOR A SOFA
Anthony J. Buckner, Jackson Heights, N. Y.
Application July 11, 1942, Serial No. 107,487
Term of patent 3½ years



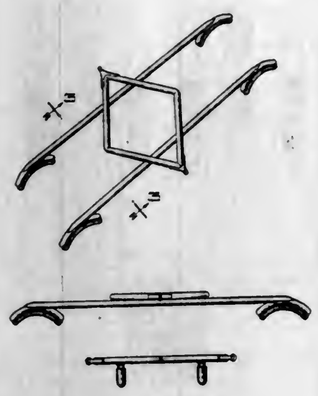
The ornamental design for a sofa, substantially as shown.

133,614
DESIGN FOR A GAME BOARD
Paul H. Chamberlin, Armada, Mich.
Application May 27, 1942, Serial No. 107,027
Term of patent 3½ years



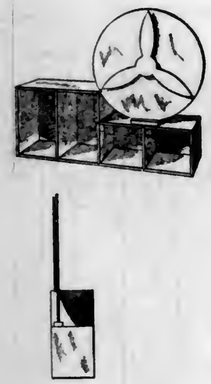
The ornamental design for a game board, as shown.

133,615
DESIGN FOR AN ACROBATIC APPARATUS
Raymond W. Copeland and Lela D. R. Copeland, Moraga, Calif.
Application April 22, 1942, Serial No. 106,660
Term of patent 7 years



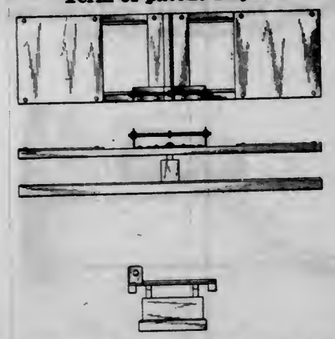
The ornamental design for an acrobatic apparatus, substantially as shown.

133,616
DESIGN FOR A MERCHANDISE SHELF DISPLAY DEVICE
Richard Freedman, New York, N. Y.
Application June 5, 1942, Serial No. 107,141
Term of patent 14 years



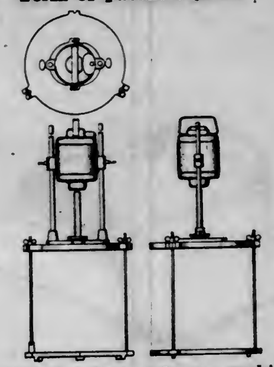
The ornamental design for a merchandise shelf display device, as shown.

133,617
DESIGN FOR A SUN'S RAY DEMONSTRATOR
Leo G. Haase, Pasadena, Calif.
Application March 20, 1942, Serial No. 106,267
Term of patent 14 years



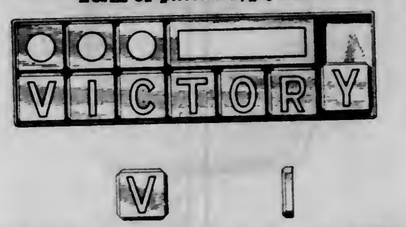
The ornamental design for a sun's ray demonstrator, as shown.

133,618
DESIGN FOR A COMBINED PAINT RECEPTACLE HOLDER AND STIRRER
John C. Kelly and Earl R. Brazie, Owosso, Mich.
Application June 5, 1942, Serial No. 107,138
Term of patent 7 years



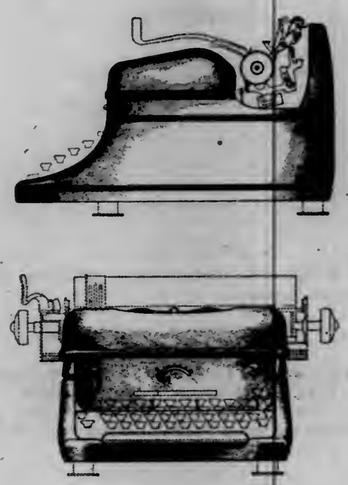
The ornamental design for a combined paint receptacle holder and stirrer, as shown.

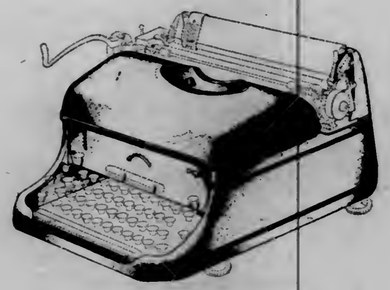
133,619
DESIGN FOR A BLOCK PUZZLE OR SIMILAR ARTICLE
James R. O'Neil, San Francisco, Calif.
Application May 19, 1942, Serial No. 106,949
Term of patent 3½ years

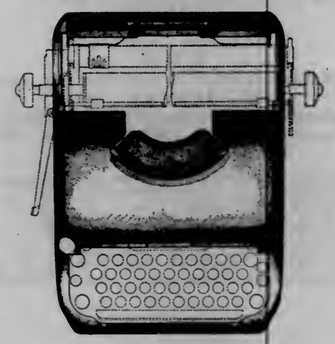


The ornamental design for a block puzzle or similar article, as shown.

133,620
DESIGN FOR A TYPEWRITING MACHINE
Russell G. Thompson, Elmira, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application July 12, 1941, Serial No. 102,111
Term of patent 14 years

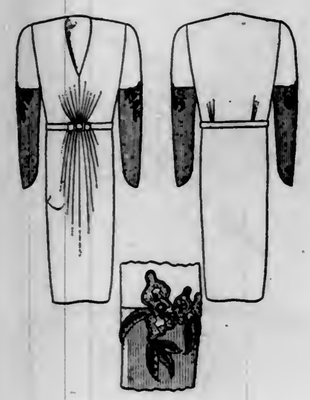






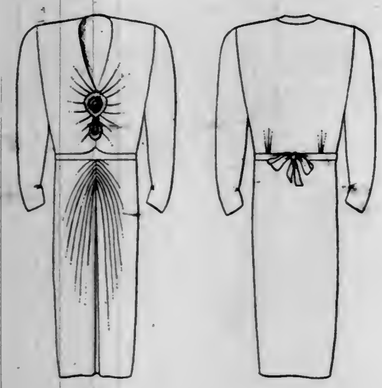
The ornamental design for a typewriting machine, as shown and described.

133,621
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application July 20, 1942, Serial No. 107,619
Term of patent 3½ years



The ornamental design for a dress or similar article, substantially as shown.

133,622
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application July 20, 1942, Serial No. 107,620
Term of patent 3½ years



The ornamental design for a dress or similar article, substantially as shown.

133,623
DESIGN FOR A COAT
Herbert M. Frumkes, Lawrence, N. Y.
Application August 1, 1942, Serial No. 107,777
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

133,624
DESIGN FOR A TABLE OR THE LIKE
Harold Hollander, New York, N. Y.
Application June 26, 1942, Serial No. 107,347
Term of patent 3½ years



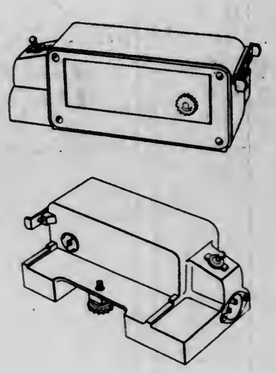
The ornamental design for a table or the like, substantially as shown.

133,625
DESIGN FOR A CHAIR OR THE LIKE
Harold Hollander, New York, N. Y.
Application June 26, 1942, Serial No. 107,348
Term of patent 3½ years



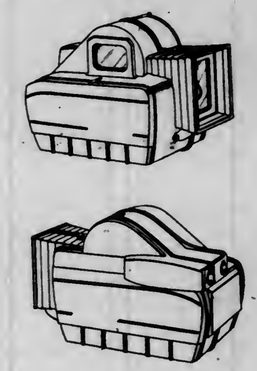
The ornamental design for a chair or the like, substantially as shown.

133,626
DESIGN FOR A MOTION PICTURE CAMERA MOTOR-DRIVE CASING
Walter H. Bach, Los Angeles, Calif., assignor to E. M. Berndt Corporation, Los Angeles, Calif.
Application May 1, 1942, Serial No. 106,772
Term of patent 14 years



The ornamental design for a motion picture camera motor-drive casing, as shown.

133,627
DESIGN FOR A MOTION PICTURE CAMERA-ENCLOSURE CASING
Walter H. Bach, Los Angeles, Calif., assignor to E. M. Berndt Corporation, Los Angeles, Calif.
Application May 1, 1942, Serial No. 106,773
Term of patent 14 years



The ornamental design for a motion picture camera-enclosure casing, as shown.

133,628
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application July 20, 1942, Serial No. 107,615
Term of patent 3½ years



The ornamental design for a dress or similar article, substantially as shown.

133,629
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application July 20, 1942, Serial No. 107,616
Term of patent 3½ years



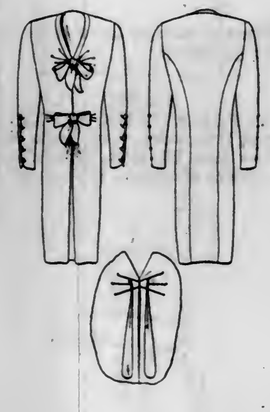
The ornamental design for a dress or similar article, substantially as shown.

133,630
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application July 20, 1942, Serial No. 107,617
Term of patent 3½ years



The ornamental design for a dress or similar article, substantially as shown and described.

133,631
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application July 20, 1942, Serial No. 107,618
Term of patent 3½ years



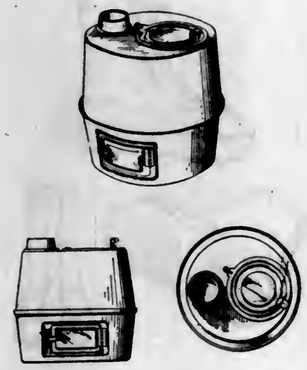
The ornamental design for a dress or similar article, substantially as shown and described.

133,632
DESIGN FOR A RUBBER BOOT
George H. Bingham, Jr., Lincoln, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts
Application July 11, 1942, Serial No. 107,485
Term of patent 3½ years



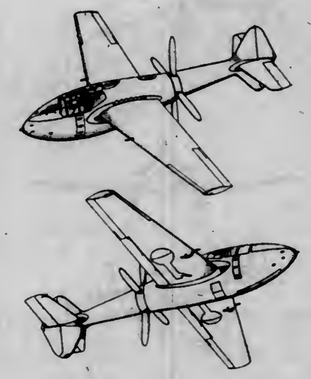
The ornamental design for a rubber boot, substantially as shown.

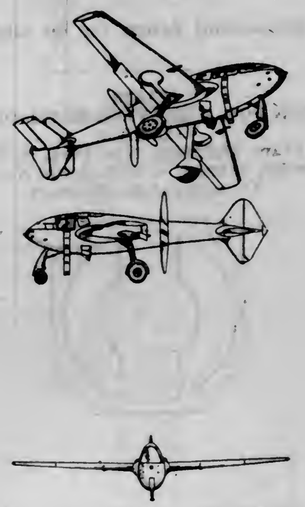
133,633
DESIGN FOR A TENT STOVE
Louis Heuer, Jeffersonville, Ind.
Application November 27, 1941, Serial No. 104,355
Term of patent 3½ years



The ornamental design for a tent stove, as shown.

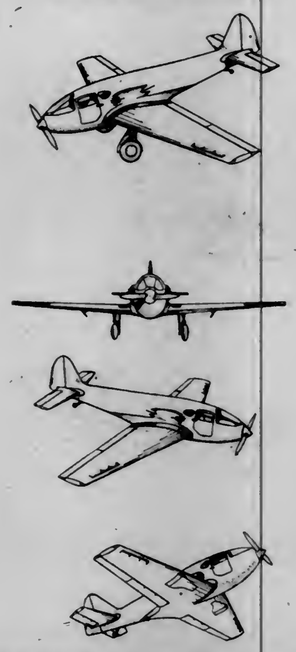
133,634
DESIGN FOR AN AIRPLANE
Robert W. Huszard, York, Pa., assignor of two-thirds to George H. Whiteley, III, York, Pa.
Application May 22, 1941, Serial No. 101,084
Term of patent 14 years





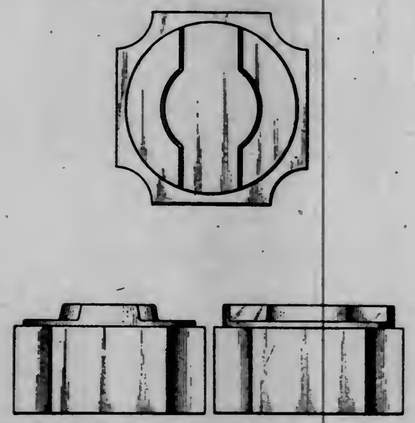
The ornamental design for an airplane, as shown.

133,635
DESIGN FOR AN AIRPLANE
Robert W. Huzzard, York, Pa., assignor of two-thirds to George H. Whiteley, III, York, Pa.
Application August 7, 1941, Serial No. 102,719
Term of patent 14 years



The ornamental design for an airplane, as shown.

133,636
DESIGN FOR A SHAVING BOWL OR THE LIKE
Frank McIntosh, New York, N. Y.
Application January 6, 1942, Serial No. 105,039
Term of patent 3½ years



The ornamental design for a shaving bowl or the like, substantially as shown.

133,637
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Max Krawitz, Brooklyn, N. Y.
Application July 25, 1942, Serial No. 107,679
Term of patent 3½ years



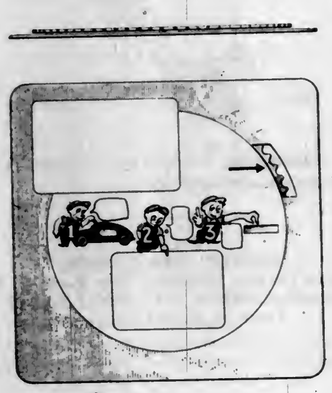
The ornamental design for a scarf or similar article, substantially as shown.

133,638
DESIGN FOR AN ARCTIC OVERSHOE
Herman Arnoff, New York, N. Y.
Application July 25, 1942, Serial No. 107,675
Term of patent 3½ years



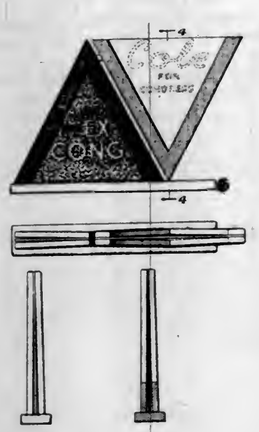
The ornamental design for an arctic overshoe, substantially as shown.

133,639
DESIGN FOR A BATTERY SELECTOR
John F. Coakley, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application January 1, 1942, Serial No. 104,968
Term of patent 3½ years



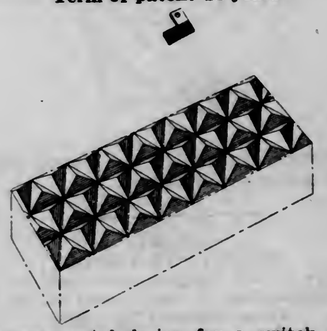
The ornamental design for a battery selector, as shown and described.

133,640
DESIGN FOR AN ADVERTISING SIGN OR SIMILAR ARTICLE
Harold E. Cole, Taunton, Mass.
Application June 6, 1942, Serial No. 107,147
Term of patent 3½ years



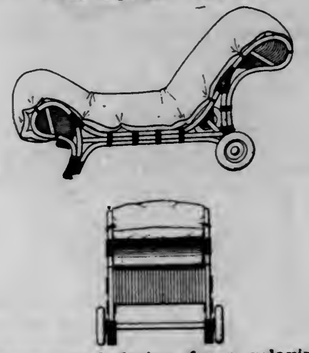
The ornamental design for an advertising sign or similar article, substantially shown.

133,641
DESIGN FOR A SWITCH CONTACT
Vernon L. High, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application April 8, 1942, Serial No. 106,493
Term of patent 14 years



The ornamental design for a switch contact, substantially as shown and described.

133,642
DESIGN FOR A RELAXING CHAIR
Rose Mints, Los Angeles, Calif.
Application October 9, 1941, Serial No. 103,694
Term of patent 3½ years



The ornamental design for a relaxing chair, as shown and described.

133,643
DESIGN FOR A BOTTLE CLOSURE
Elta Simmons, Akron, Ohio, assignor to The Pyramid Rubber Company, Ravenna, Ohio
Application May 20, 1942, Serial No. 106,957
Term of patent 14 years



The ornamental design for a bottle closure, substantially as shown.

133,644
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 25, 1942, Serial No. 107,695
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

133,645
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 25, 1942, Serial No. 107,697
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

133,646
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 25, 1942, Serial No. 107,700
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

133,647
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 25, 1942, Serial No. 107,701
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

133,648
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 25, 1942, Serial No. 107,702
Term of patent 3½ years



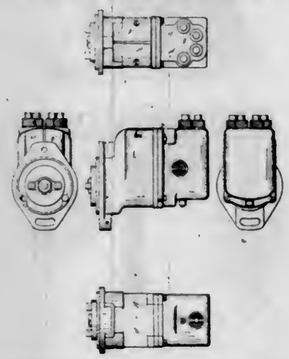
The ornamental design for a shoe, substantially as shown and described.

133,649
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 25, 1942, Serial No. 107,703
Term of patent 3½ years



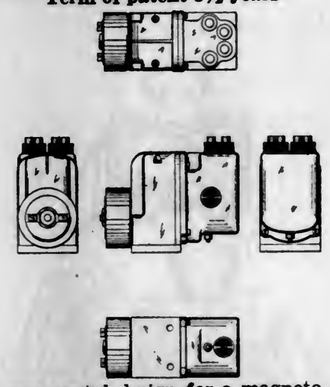
The ornamental design for a shoe, substantially as shown and described.

133,650
DESIGN FOR A MAGNETO OF FLANGE MOUNTING TYPE
Edward A. Vogel, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application May 29, 1942, Serial No. 107,049
Term of patent 3½ years



The ornamental design for a magneto of flange mounting type, substantially as shown and described.

133,651
DESIGN FOR A MAGNETO OF BASE MOUNTING TYPE
Edward A. Vogel, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application May 29, 1942, Serial No. 107,050
Term of patent 3½ years



The ornamental design for a magneto of base mounting type, substantially as shown and described.

133,652
DESIGN FOR A PIN OR SIMILAR ARTICLE
Belle Anderson, Chicago, Ill.
Application June 1, 1942, Serial No. 107,067
Term of patent 3½ years



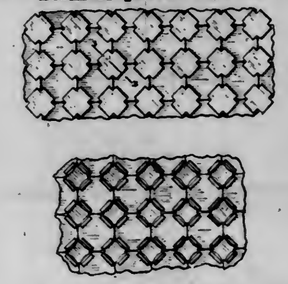
The ornamental design for a pin or similar article, as shown.

133,653
DESIGN FOR A PILLOW TOP OR THE LIKE
Herbert W. Carpenter, Wichita Falls, Tex.
Application June 6, 1942, Serial No. 107,148
Term of patent 7 years



The ornamental design for a pillow top or the like, substantially as shown.

133,654
DESIGN FOR A DECORATIVE FABRIC OR SIMILAR ARTICLE
Jerry De Nicola, Bronx, N. Y.
Application July 7, 1942, Serial No. 107,442
Term of patent 7 years



The ornamental design for a decorative fabric or similar article, substantially as shown.

133,655
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Max Krawitz, Brooklyn, N. Y.
Application August 7, 1942, Serial No. 107,838
Term of patent 3½ years



The ornamental design for a scarf or similar article, substantially as shown.

133,656
DESIGN FOR AN EMBROIDERED TRIMMING
Herman Krieger, Brooklyn, N. Y.
Application August 1, 1942, Serial No. 107,785
Term of patent 3½ years



The ornamental design for an embroidered trimming, substantially as shown and described.

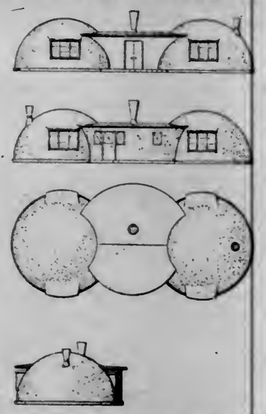
133,657
DESIGN FOR A BRACELET LINK
Louis G. Meyers, New York, N. Y.
Application July 10, 1942, Serial No. 107,464
Term of patent 3½ years





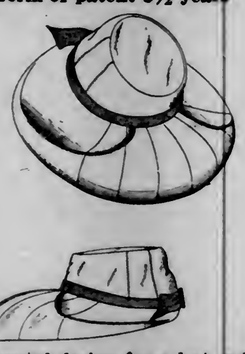
The ornamental design for a bracelet link, substantially as shown.

133,658
DESIGN FOR A DWELLING
Wallace Neff, Los Angeles, Calif.
Application December 1, 1941, Serial No. 104,421
Term of patent 3½ years



The ornamental design for a dwelling, substantially as shown.

133,659
DESIGN FOR A HAT
Max Solash, Linden, N. J.
Application June 27, 1942, Serial No. 107,359
Term of patent 3½ years



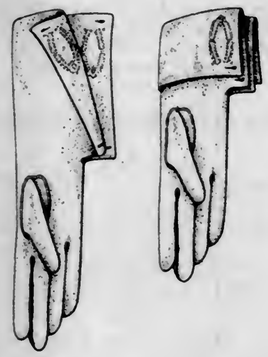
The ornamental design for a hat, substantially as shown.

133,660
DESIGN FOR A MUFF
Max Baer, New York, N. Y.
Application July 17, 1942, Serial No. 107,584
Term of patent 3½ years



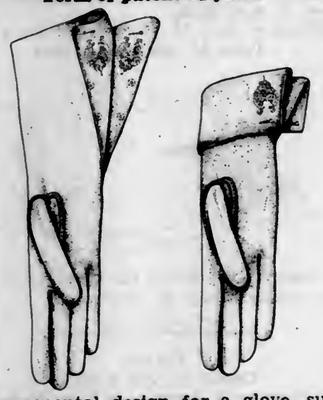
The ornamental design for a muff, substantially as shown and described.

133,661
DESIGN FOR A GLOVE
Mabel Whitesell Balboa, Woodside, N. Y.
Application May 21, 1942, Serial No. 106,972
Term of patent 14 years



The ornamental design for a glove, substantially as shown and described.

133,662
DESIGN FOR A GLOVE
Mabel Whitesell Balboa, Woodside, N. Y.
Application May 21, 1942, Serial No. 106,973
Term of patent 14 years



The ornamental design for a glove, substantially as shown and described.

133,663
DESIGN FOR A VEHICLE TAX STAMP HOLDER OR THE LIKE
Perle E. Beason, Springfield, Ohio
Application April 20, 1942, Serial No. No. 106,638
Term of patent 7 years



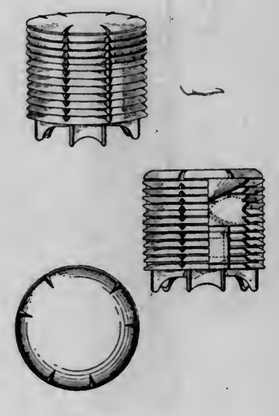
The ornamental design for a vehicle tax stamp holder or the like, as shown.

133,664
DESIGN FOR MARKSMANSHIP APPARATUS
Edwin E. Fairchild, Los Angeles, Calif.
Application December 3, 1941, Serial No. 104,446
Term of patent 3½ years



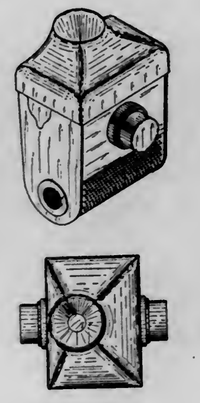
The ornamental design for a marksmanship apparatus, as shown.

133,665
DESIGN FOR A COMBINED FAN STAND AND FAN
Alfred F. Fukal, Cincinnati, Ohio, assignor to William W. Welch, Cincinnati, Ohio
Application September 19, 1941, Serial No. 103,414
Term of patent 14 years



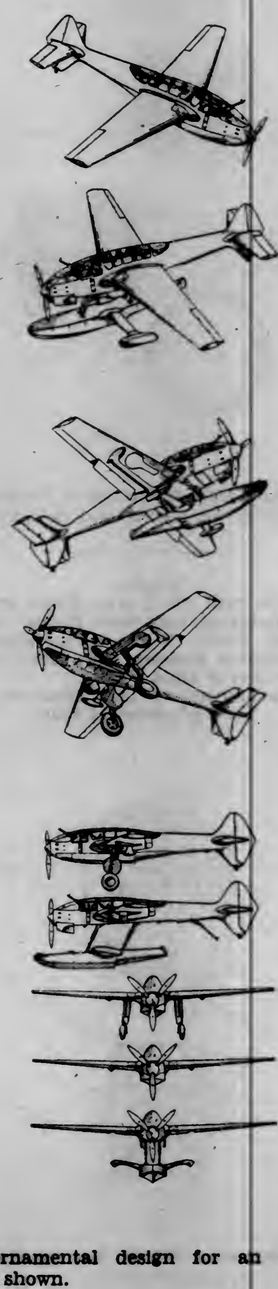
The ornamental design for a combined fan stand and fan, as shown and described.

133,666
DESIGN FOR AN X-RAY TUBE HEAD
Edwin R. Goldfield, University Heights, Ohio, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 24, 1942, Serial No. 105,404
Term of patent 14 years



The ornamental design for an X-ray tube head, as shown and described.

133,667
DESIGN FOR AN AMPHIBIAN PLANE
Robert W. Huzzard, York, Pa., assignor of two-thirds to George H. Whiteley, III, York, Pa.
Application July 22, 1941, Serial No. 102,369
Term of patent 14 years



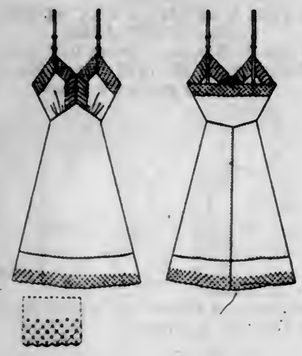
The ornamental design for an amphibian plane, as shown.

133,668
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application July 15, 1942, Serial No. 107,559
Term of patent 3½ years



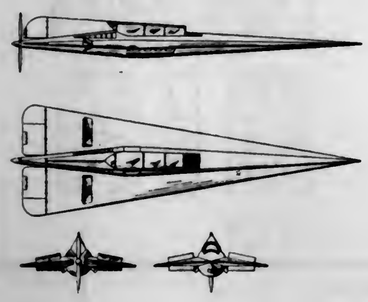
The ornamental design for a brooch or similar article, substantially as shown.

133,669
DESIGN FOR A SLIP
Herman B. Levy, New York, N. Y.
Application July 2, 1942, Serial No. 107,386
Term of patent 7 years



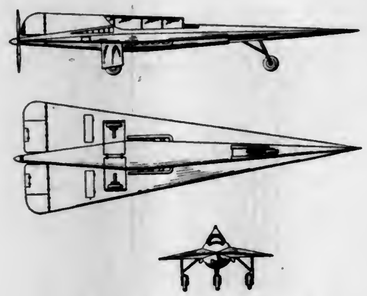
The ornamental design for a slip, substantially as shown.

133,670
DESIGN FOR AN AIRPLANE
Richard E. Metz, Lancaster, Pa.
Application March 10, 1942, Serial No. 106,141
Term of patent 7 years



The ornamental design for an airplane, as shown and described.

139,670—Continued



The ornamental design for an airplane, as shown and described.

133,671
DESIGN FOR A NEEDLE-POINT WOVEN TEXTILE FABRIC OR SIMILAR ARTICLE
Hans W. Wilde, Cliffside Park, N. J.
Application January 16, 1942, Serial No. 105,239
Term of patent 3½ years



The ornamental design for a needle-point woven textile fabric or similar article, substantially as shown.

133,672
DESIGN FOR A NEEDLE-POINT WOVEN TEXTILE FABRIC OR SIMILAR ARTICLE
Hans W. Wilde, Cliffside Park, N. J.
Application January 16, 1942, Serial No. 105,240
Term of patent 3½ years



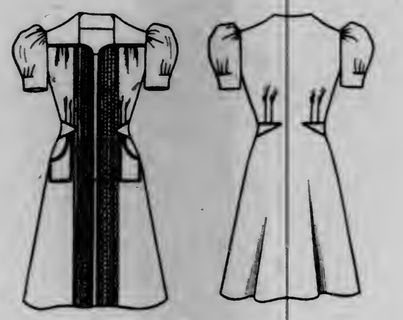
The ornamental design for a needle-point woven textile fabric or similar article, substantially as shown.

133,673
DESIGN FOR A NEEDLE-POINT WOVEN TEXTILE FABRIC OR SIMILAR ARTICLE
Hans W. Wilde, Cliffside Park, N. J.
Application January 16, 1942, Serial No. 105,241
Term of patent 3½ years



The ornamental design for a needle-point woven textile fabric or similar article, substantially as shown.

133,674
DESIGN FOR A DRESS
Etta Evans, New York, N. Y.
Application August 5, 1942, Serial No. 107,815
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,675
DESIGN FOR A NEGLIGEE
Raymond Halpern, New York, N. Y.
Application August 10, 1942, Serial No. 107,860
Term of patent 3½ years



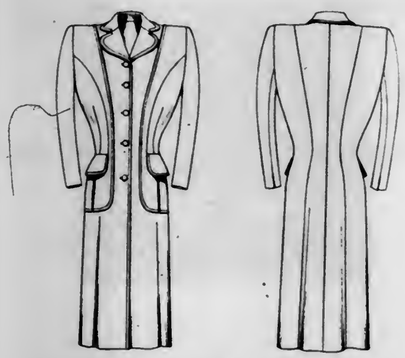
The ornamental design for a negligee, substantially as shown.

133,676
DESIGN FOR A DRESS
Boje Hoffmann, New York, N. Y.
Application August 10, 1942, Serial No. 107,865
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,677
DESIGN FOR A COAT
Boje Hoffmann, New York, N. Y.
Application August 10, 1942, Serial No. 107,866
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

133,678
DESIGN FOR A DRESS
Bernard Keller, New York, N. Y.
Application August 10, 1942, Serial No. 107,859
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,679
DESIGN FOR A DRESS
Marjorie Norton, St. Louis, Mo., assignor to Kay Ferer, Inc., St. Louis, Mo., a corporation of Missouri
Application August 8, 1942, Serial No. 107,849
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,680
DESIGN FOR A DRESS
Marjorie Norton, St. Louis, Mo., assignor to Kay Ferer, Inc., St. Louis, Mo., a corporation of Missouri
Application August 8, 1942, Serial No. 107,850
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,681
DESIGN FOR A DRESS
Marjorie Norton, St. Louis, Mo., assignor to Kay Ferer, Inc., St. Louis, Mo., a corporation of Missouri
Application August 8, 1942, Serial No. 107,851
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,682
DESIGN FOR A DRESS
Marjorie Norton, St. Louis, Mo., assignor to Kay Ferer, Inc., St. Louis, Mo., a corporation of Missouri
Application August 8, 1942, Serial No. 107,852
Term of patent 3½ years



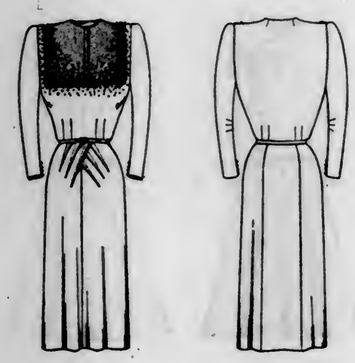
The ornamental design for a dress, substantially as shown.

133,683
DESIGN FOR A DRESS
Marjorie Norton, St. Louis, Mo., assignor to Kay Ferer, Inc., St. Louis, Mo., a corporation of Missouri
Application August 8, 1942, Serial No. 107,853
Term of patent 3½ years



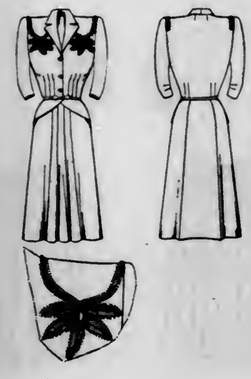
The ornamental design for a dress, substantially as shown.

133,684
DESIGN FOR A DRESS
Julia Richards, New York, N. Y.
Application August 10, 1942, Serial No. 107,857
Term of patent 3½ years



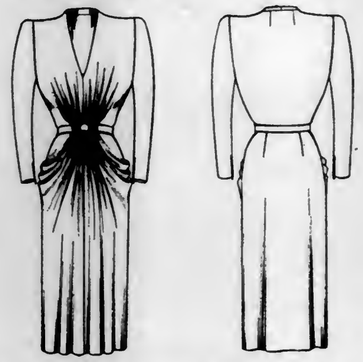
The ornamental design for a dress, substantially as shown.

133,685
DESIGN FOR A DRESS
Harold H. Stahl, New York, N. Y.
Application August 10, 1942, Serial No. 107,858
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,686
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application August 10, 1942, Serial No. 107,861
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,687
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application August 10, 1942, Serial No. 107,862
Term of patent 3½ years



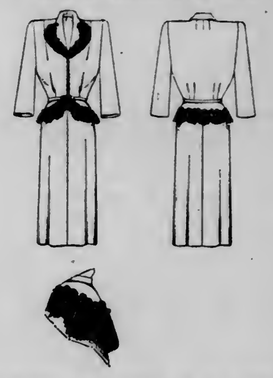
The ornamental design for a dress, substantially as shown.

133,688
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application August 10, 1942, Serial No. 107,863
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,689
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application August 10, 1942, Serial No. 107,864
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

Patents Nos. 2,294,879 to 2,295,524

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 542—No. 2 TUESDAY, SEPTEMBER 8, 1942 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of September 8, 1942	177
Interference Notice	177
Erratum	177
Trade-Mark Registrations Canceled	177
Disclaimers	177
Applications Under Examination	178
Decisions of the U. S. Courts—	
Smith v. Swaine	179
Tinnerman v. Kost	181
In re Von Bramer et al	183
Patent Suits	185
Trade-Marks Published (94 Applications)	187
Trade-Mark Registrations Granted	199
Trade-Mark Registrations Renewed	212
Reissues	213
Patents Granted	214
Designs	369

September 8, 1942

Trade-marks	265	No. 397,391 to No. 397,655, inclusive.
T. M. Renewals	13	
Reissue	4	No. 22,174 to No. 22,177, inclusive
Patents	646	No. 2,294,879 to No. 2,295,524, inclusive.
Designs	85	No. 133,690 to No. 133,774, inclusive.
Total	1,013	

Interference Notice

U. S. Patent Office, *Richmond, Va., Aug. 7, 1942.*

The Friedman-Kerr Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of H. H. Schumacher, 361 E. Valley Blvd., Alhambra, Calif., for registration of a trade-mark and trade-mark registered May 29, 1923, No. 168,606, to The Friedman-Kerr Co., 1401–1417 W. Jackson Blvd., Chicago, Ill., and counsel for The Friedman-Kerr Co. having stated that the present address of The Friedman-Kerr Co. is unknown, notice is hereby given that unless the said The Friedman-Kerr Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

ERRATUM

On page 456 of the Official Gazette of August 18, 1942, in the heading of the decision Re The Penetrene Corporation (The Lawrence Williams Company, Assignee, Substituted) v. Plough, Inc., the designation of counsel for the appellee is incorrectly given as: "Mr. A. Yates Dowell (Mr. R. F. Whitehead of counsel) for the Commissioner of Patents". This designation should read: Mr. A. Yates Dowell (Mr. R. F. Whitehead of counsel) for Plough, Inc.

Trade-Mark Registrations Canceled

211,867. Tea. Tetsujiro Kageyama, San Francisco, Calif. Registered April 20, 1926. Canceled August 5, 1942.

272,718. Paper-cutting machines. Harris-Seybold-Potter Company, Cleveland, Ohio. Registered July 8, 1930. Canceled August 5, 1942.

316,257. Distilled alcoholic liquors. Weinbrennerei vorm. Gebrüder Macholl Munchen G. m. b. H., Munich, Germany. Registered August 21, 1934. Canceled August 5, 1942.

388,426. Lettering paint. Klarion Merchandising Corporation, New York, N. Y. Registered June 24, 1941. Canceled August 5, 1942.

391,321. Men's felt hats. Bates-Thompson, Inc., New York, N. Y. Registered October 28, 1941. Canceled August 5, 1942.

393,255. Dresses. Pontiac Dresses Inc., New York, N. Y. Registered January 27, 1942. Canceled August 5, 1942.

393,739. Rock wool. The F. C. Russell Company, Cleveland, Ohio. Registered March 3, 1942. Canceled August 5, 1942.

395,470. Combination windows. The F. C. Russell Company, Cleveland, Ohio. Registered May 26, 1942. Canceled August 5, 1942.

Disclaimers

1,747,594.—*Erwin J. Panish*, Bridgeport, Conn. Valve Control. Patent dated February 18, 1930. Disclaimer filed August 13, 1942, by the inventor.

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 30, 31, 32, 33, and 34 of said patent.

2,148,722.—*Robert William Baily*, Philadelphia, Pa. Submersible Vibrator. Patent dated February 28, 1939. Disclaimer filed August 11, 1942, by the inventor.

Hereby disclaims claim 15 of said patent.

2,179,786.—*Arthur C. Hardy*, Wellesley, Mass. Method and Means for Making Corrected Color Separation Images. Patent dated November 14, 1939. Disclaimer filed August 11, 1942, by the assignee, *Interchemical Corporation*.

Hereby enters this disclaimer to claim 3 of said patent.

Condition of Applications Under Examination at Close of Business August 22, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,063; Trade-Mark Division, 929. Oldest new case, Oct. 13, 1941; oldest amended, Oct. 13, 1941.)
(The dates given are 1942 except where † indicates 1941)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Domestic Cooking Vessels; Sewerage.	Jan. 8	Feb. 10	624
2. HERRMANN, D., Fishing and Trapping; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Jan. 27	Jan. 9	496
3. WOLFFE, S. (Acting), Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Jan. 17	Feb. 4	821
4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Feb. 21	Feb. 17	478
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 10	Apr. 11	232
6. GENIESSE, E. W., Carbon Chemistry (part)	†Dec. 18	Jan. 2	1340
7. JARBOE, C. G., Optics, Photography	†Nov. 22	†Nov. 21	1248
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Jan. 30	Feb. 11	606
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Feb. 17	Feb. 11	646
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	May 4	May 4	293
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Stop Mechanisms	Mar. 4	Feb. 27	377
13. BORLIK, F. J., Metal Working (part); Gear Cutting, Milling and Planing; Needle and Pin Making	†Nov. 22	†Nov. 29	672
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Mar. 24	Mar. 23	602
15. HENKIN, BEN., Glass, Plastic Block and Earthenware Apparatus; Plastics	†Dec. 15	†Dec. 4	1161
16. SPENCER, C. J., Telegraphy; Telephony	Jan. 28	Feb. 9	704
17. LEON B. HABECKER, Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	†Oct. 27	†Nov. 10	1023
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Jan. 23	Dec. 13	516
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	†Dec. 8	†Dec. 6	757
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part).	Jan. 28	Apr. 15	349
21. THOMPSON, T. J., Textiles	Mar. 17	Mar. 31	357
22. RINGLE, D., Aeronautics; Firearms; Ordnance and Explosive Devices	†Nov. 7	†Nov. 7	1802
23. BARROWS, B., Cash Registers; Calculators (part)	Jan. 7	†Dec. 30	188
24. KISSINGER, M. C. (Acting), Apparel; Apparel Apparatus; Sewing Machines	Feb. 17	Feb. 11	700
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 3	Apr. 4	287
26. YOUNG, R. R., Electricity—Generation and Motive Power	Jan. 21	Mar. 3	434
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Mar. 3	Jan. 14	330
28. SOLYOM, H. L., Internal-Combustion Engines (part); Cylinders and Pistons	Apr. 18	Feb. 5	229
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Feb. 26	Feb. 26	539
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 12	May 16	285
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Feb. 25	Feb. 25	1345
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Feb. 2	Feb. 10	806
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	Mar. 7	Mar. 3	649
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Mar. 10	Mar. 26	439
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles	†Dec. 2	†Oct. 13	1010
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Mar. 5	Jan. 28	529
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 19	May 2	409
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Feb. 25	Mar. 11	607
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Apr. 25	May 1	301
40. DRUMMOND, E. J., Receptacles	Jan. 16	Jan. 16	1379
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Feb. 20	Feb. 4	505
42. MARANS, H., Electric Signaling	Feb. 11	Feb. 5	567
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Azo Compounds.	Oct. 25	Oct. 15	1003
44. HARVEY, L. P., Refrigeration	Mar. 3	Feb. 16	366
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Mar. 3	Mar. 19	744
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Heating Systems; Coating Apparatus.	†Dec. 22	†Dec. 22	761
47. KANOF, WM. J., Clutches and Power Stops; Brakes; Boring and Drilling; Land Vehicles (part)	Jan. 26	Jan. 31	1093
48. ROEPKE, O. B., Electricity, General Applications; Igniters	†Dec. 12	†Dec. 12	836
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Feb. 24	Feb. 19	588
50. LEVIN, SAMUEL, Resins; Rubber; Carbohydrates and Derivatives	Jan. 22	Jan. 22	1670
51. BACKUS, C. D., Radiant Energy	Mar. 12	Mar. 16	601
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	May 21	Apr. 4	283
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Curtains, Shades and Screens; Cutlery.	Jan. 9	Feb. 21	417
54. STRACHAN, O. W., Electric Lamp and Discharge Devices (part)	Mar. 26	Mar. 31	539
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery	May 8	May 7	203
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Laminated Fabrics (part); Paper Making	†Dec. 24	†Dec. 24	1396
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks	Mar. 20	Apr. 11	302
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working	May 7	Apr. 27	274
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds; Compositions (part).	†Oct. 13	†Nov. 7	1745
60. GLASS, R. L., Electricity, Heating and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Marine Propulsion; Consumable Electrode Lamp and Discharge Devices.	Mar. 30	Mar. 30	365
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Laminated Electrical Insulation, Belt, Hose, Tire and Ball Making; Boats and Buoys.	†Dec. 11	†Dec. 24	950
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Nov. 13	†Nov. 25	448
63. WINKELSTEIN, A. H., Preserving; Poisons; Fermentation; Foods and Beverages; Proteins; Oils and Fats.	†Nov. 1	†Nov. 17	1306
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Distillation; Fuel	Feb. 6	Feb. 3	1595
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays.	Feb. 10	Jan. 30	467
Trade Marks: RICHMOND, F. A	July 10	Aug. 4	929
Designs: KALUPY, H. H	July 20	July 22	379

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

SMITH *v.* SWAINE

No. 4,571. Decided April 27, 1942. Petition for rehearing denied June 12, 1942

[127 F.(2d) 140]

1. INTERFERENCE—REDUCTION TO PRACTICE—SUFFICIENCY OF TESTS.

Certain laboratory tests on mosquito larvae *Held* sufficient to establish reduction to practice of an insecticide containing, as its essential active ingredient, one of the class of compounds known as xanthones.

2. SAME—PRIORITY.

Evidence reviewed and *Held* that Smith reduced the insecticide in issue to practice before any inventive act by Swaine, and that priority should have been awarded to Smith.

APPEAL from Patent Office. Reversed.

Mr. Mastin G. White (*Mr. I. G. Menikheim* of counsel) for Smith.

Mr. Forbes Silsby (*Mr. George B. Campbell* and *Mr. Benjamin Sweedler* of counsel) for Swaine.

BLAND, *J.:*

Appellant has here appealed from the decision of the Board of Appeals of the United States Patent Office awarding priority of invention to appellee in the two counts of an interference relating to an invention of an insecticide. The counts are as follows:

1. An insecticide containing as its essential active ingredient one of the class of compounds known as xanthones.
2. An insecticide containing as its essential active ingredient xanthone.

The counts correspond to claims of Smith's application and were copied by Swaine into his application at the suggestion of the Examiner. Count 1 is for one of a class of compounds known as xanthones as the essential active ingredient of the insecticide, while count 2 is specific to xanthone as the essential active ingredient. The insecticide is for use in controlling or combating insect pests. Both parties sought an insecticide that was toxic to such pests as the codling moth, but non-toxic to warm-blooded animals. Arsenate of lead had long been used as an insecticide. It poisoned fruits and vegetables and injured foliage. It seems that xanthrone and certain others of its class answered the problem.

The Smith application was filed May 7, 1938, while the Swaine application was filed May 4, 1938.

Both parties took testimony. The burden was upon Smith to prove priority of the invention defined in the counts by a preponderance of the evidence. He showed various laboratory tests of the use of xanthone on a number of different pests, many of which tests resulted in failure. Before the Examiner of Interferences, Smith relied upon certain laboratory tests made with xanthone on codling moth and mosquito larvae, which tests were completed and reported prior to December, 1935. This is earlier than the date of any inventive act by Swaine.

The Examiner of Interferences originally held that evidence concerning the tests on codling moth and mosquito larvae showed that Smith, through the work of Dr. David Fink, had reduced the invention to practice. Smith, at the time of taking the testimony, was a chemist employed by the Division of Insecticide Investigations in the Bureau of Entomology and Plant Quarantine of the United States Department of Agriculture. Dr. Fink testified that he "was employed in the United States Department of Agriculture Bureau of Entomology from 1912 to 1937" in the "Division of Control Insects."

Upon petition for reconsideration, the Examiner's attention was called to the decision of this court in *Smith* v. *Bousquet*, 27 C. C. P. A. (Patents) 1136, 111 F.(2d) 157, wherein this court held laboratory tests of an insecticide used on codling moth larvae were not sufficient to prove reduction to practice for the reason chiefly that the tests were not made under the natural surrounding conditions where the codling moth larvae were found so as to show what, if any, damaging effects from the insecticide might result to the foliage or parts of plants. The Examiner changed or reversed his holding as to the codling moth larvae tests, but adhered to his view that the tests made by Dr. Fink in the laboratory on mosquito larvae showed that xanthone had been proved to be useful in the destruction of mosquito larvae and that such tests amounted to a reduction to practice of the invention defined by the counts. He therefore awarded priority of the invention of both counts to Smith.

The Board of Appeals, upon appeal from the Examiner of Interferences, reversed the decision of the Examiner and held that the said tests relied upon by Smith were not sufficient to prove the value of the insecticide tested. It stated that:

> • • • The element of conception prior to Smith's alleged reduction to practice does not enter into the problem before us, for in Smith's brief it is admitted "that, in case of insecticides, conception and reduction to practice go hand in hand."

The Board did not, therefore, give Smith any date for conception and the question of diligence was not considered.

The tests relied upon, made by Dr. Fink upon mosquito larvae in September, 1935, involved the use of xanthone. The xanthone was used in acetone and this compound was called a stock solution. Afterwards, various dilute solutions were made up from this stock, starting from one part to a million up to 200 parts per million. Fink testified:

> • • • The mosquito larvae had previously been reared in the laboratory under natural conditions and when they had attained the fourth stage of development they were used for these tests, usually 50 larvae were counted in a 100-cc. beaker and each concentration had 10 duplicates of the beaker containing the larvae for test. All the beakers containing the larvae in the different concentrations of the compound were afterwards placed in the constant temperature water bath and left for at least 18 to 24 hours. Afterwards the percent mortality in the various concentrations were determined by counting the number of dead larvae, and the average kill obtained for each concentration used was thus determined.

From the various tests with different amounts of xanthone in stock solution, which as before stated contained acetone as a solvent, it was finally determined that from the use of xanthone in increasing amounts it would, in a concentration of 1 to 20,000 parts. result in a 100 per cent extinction of the mosquito larvae.

During the next two or three years, the xanthone was sent to various places, especially to governmental agricultural experimental stations for tests upon other insects, such as the Japanese beetle and the corn borer.

Concerning the tests made by Fink as before stated, the Examiner of Interferences held in part as follows:

> Indeed, in many respects the mosquito larvae tests on behalf of Smith were more exacting and rigorous than would have been similar tests in outdoor ponds, etc., because substantially all other factors which might have caused the death of the larvae were eliminated. Moreover, fish or other natural enemies of mosquito larvae are not found in many natural breeding places, such as ditches, rain-water barrels, where run-off water collects. In such places, too, the only other life is usually of a low form, such as algae and various microscopic plants and animals, and any effect thereon by the insecticide is of no consequence.
>
> Accordingly, in view of all the facts and circumstances the laboratory mosquito larvae technique of the Department of Agriculture is deemed to establish all necessary conditions for determining the practical utility of any given material as an insecticide.

Swaine, before the Board, attacked these tests as being insufficient and argued that under the *Smith* v. *Bosquet* case, supra, the mosquito tests should have been made under "outdoor conditions"; that the kind of water used was not shown and that it might have included chlorine; that the acetone itself, admittedly toxic to certain pests, was not shown by such tests not to be the cause of the claimed beneficial results; that the tests show extermination of but one of many species of mosquito larvae; that they did not show the effect xanthone would have in brackish or salt water; that appellant's conduct after said experiments were made suggests that what appellant did amounted to an abandoned experiment; and that owing to the excessive cost of the material, the laboratory tests did not show the material to be commercially practicable for mosquito larvae control in large areas.

The Board of Appeals agreed with substantially all the contentions of Swaine and in part said

> • • • The party Swaine attacks these tests on various grounds. He contends that the conditions surrounding such test must necessarily vary materially from the natural conditions under which the larvae exists in nature. It is well known that there are a large number of different species of mosquitoes and as pointed out by appellant [Swaine], the larvae of these live and exist under quite varying conditions. Nothing is said in the proofs offered by Smith as to the water used in the tests. Appellant contends that the salinity, acidity, and alkalinity are quite material. In addition it may be said that if tap water was used it might contain some chlorine which might possibly affect the larvae. Appellant also urges that acetone is known to be an insecticide, and when used as a solvent for the xanthone it might easily introduce an error into the results. The party Smith, states, however, that the quantity of acetone present was so small that it could have no detrimental effect. We, however, are not satisfied that this argument is sound. While acetone alone in the concentrations used might have no disturbing effect, still it is possible that it might introduce an error, when used in combination with the xanthone.

[1] We are in agreement with the decision of the Examiner and in disagreement with that of the Board. There is nothing in the *Smith* v. *Bosquet* case, supra, that would suggest that a test involving extermination of mosquitoes in a laboratory in water would not be satisfactory to prove reduction to practice of the involved invention merely because it was done in a laboratory. We agree with the Examiner of Interferences in this respect that a proper laboratory test on mosquito larvae extermination might satisfactorily prove the utility of the insecticide used. We do not think it necessary under such circumstances to test the insecticide on all species of mosquitoes or in all kinds of water. Water is the natural habitat of mosquito larvae, and if the water used is shown not to contain a substance that would make uncertain the effect of the essential ingredient, we think a satisfactory test could be made in a laboratory.

We are in disagreement with the decision of the Board in holding that the tests made by Dr. Fink did not satisfactorily show the effect and usefulness of the "essential active ingredient" of the counts involved so as to amount to a reduction to practice. The uncontradicted evidence shows that acetone is toxic to mosquito larvae. The record shows that the acetone was used as a solvent for the xanthone and was effective as such. Xanthone in hard dried form must be made soluble. The Handbook of Chemistry and Physics, 21st edition, published by the Chemical Rubber Publishing Co., states (p. 772) that xanthone is slightly soluble in hot water, ethyl ether, benzene, and ligroin, and soluble in hot alcohol. Fink states, in substance, as we construe his testimony, that in the tests relied upon he used no more acetone than was known to be non-toxic to mosquito larvae and that when he added additional amounts of xanthone to the stock solution the quantity of acetone was not increased.

Smith's argument for the sufficiency of the test may be paraphrased as follows: In one test Fink used a non-toxic amount of acetone and a certain percentage of xanthone and found it unsatisfactory. In the next tests he used the same amount of acetone with increasing amounts of xanthone until he secured a composition which gave complete success in the extermination of mosquito larvae. These tests, Smith argues, show definitely that it was the xanthone which he had continued to add to the composition in successive tests that produced the result, and not the acetone.

We think Smith's contentions in this regard are sound and that the Board was not justified in concluding that the use of the acetone as a solvent for the xanthone "might easily introduce an error into the result." The Board did not suggest what kind of error could possibly have been introduced into the result. There is nothing in the record, although it contains considerable expert testimony, which convinces us that the presence of the acetone in a non-toxic quantity could have any influence on the xanthone other than to act as its solvent. It is possible that the acetone, to some extent, added to the toxic character of the composition, but the counts at bar are directed to an insecticide which contains xanthone as its "essential active ingredient." It seems clear to us that the Fink tests show that xanthone was the "essential active ingredient" of the insecticide which he successfully used.

[2] Priority of the invention defined in the counts involved should have been awarded to Smith. The decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

TINNERMAN *v.* KOST

No. 4,585. Decided April 27, 1942

[127 F.(2d) 532]

1. INTERFERENCE—REDUCTION TO PRACTICE—NECESSITY OF TEST.
   Held that to constitute a reduction to practice of the lens assembly in interference, a successful test thereof was necessary.
2. SAME—PRIORITY.
   Evidence reviewed and *Held* that the Board of Interference Examiners properly awarded priority to Kost, the senior party.

APPEAL from Patent Office. Affirmed.

Mr. Albert R. Teare (*Messrs. Bates, Teare & McBean* of counsel) for Tinnerman.

Mr. James P. Burns and *Mr. Malcolm W. Fraser* for Kost.

LENROOT, *J.*:

This appeal brings before us for review a decision of the Board of Interference Examiners of the United States Patent Office in an interference proceeding wherein appellee was awarded priority of invention of the subject matter of the counts of the interference, three in number.

Count 1 is illustrative of the subject matter involved and reads as follows:

> 1. In combination a lens supporting member having an opening therein for receiving a lens and apertures for receiving securing screws; a lens having an embossed portion thereon projecting through said opening, a flange thereon for engaging said member in the region of said opening, and a ridge at the edge of said flange extending in the opposite direction from said embossed portion; screws disposed in said apertures with their heads in engagement with said member and their shanks extending away from said member in the substantial direction of said ridge; resilient sheet metal clips, each of which has a bridge portion, depending legs and a helical thread in said bridge portion, one of said clips being provided for each screw and disposed with one of said legs engaging said member and the other of said legs engaging said flange inwardly of said ridge whereby said bridge portion spans said ridge and said thread is positioned for engagement with its associated screw; and means on said screw heads whereby said screws may be threadedly engaged with said helical thread and turned to draw said clip into engagement with said lens and said member to yieldingly secure said lens in position.

The interference is between an application filed by appellant on September 18, 1939, and a patent issued to appellee on September 5, 1939, upon an application filed on April 21, 1937.

Inasmuch as appellant's application was filed after the issuance of the patent to appellee, the burden is upon appellant to establish priority of invention beyond a reasonable doubt.

The invention involved is concisely stated by the Board in its decision as follows:

> The subject matter in issue relates to a lens assembly for use in automobile tail lamps although its use in automobile lamps is not restricted thereto. The body of the lamp is provided with an aperture for receiving the lens and the lens has an embossed portion thereon projecting through the aperture. A flange on the lens engages the interior portion of the body and on the internal portion of the lens is provided a rib extending in the opposite direction to the embossed portion. The lens is held in the assembly by means of screws passing through apertures in the body member which in turn engage fastening elements that bear against the body member and the interior portion of the lens. The fastening members consist of clips provided with depending legs and a bridging portion. One of the depending legs engages the flange of the lens inwardly of the ridge and the other depending leg engages the body of the lamp so that the bridge portion of the fastening member spans the ridge. The bridge portion is helically threaded to cooperate with the fastening screw.

The preliminary statement of appellant alleged conception of the invention between September 18, 1936, and December 5, 1936, and reduction to practice between December 5, 1936, and December 22, 1936.

Inasmuch as appellee offered no evidence, he was confined to his filing date, April 21, 1937, for conception of the invention and its constructive reduction to practice.

Appellant took testimony and introduced in evidence a number of exhibits. From such testimony and exhibits it appears that appellant is the vice president and general manager of Tinnerman Products, Incorporated, which was engaged in the business of manufacturing "speed nuts" and selling them to various automotive and automotive equipment manufacturers.

It appears that in 1936 and 1937 the business of appellant was conducted under the name of Tinnerman Stove & Range Company. As said corporate names are immaterial in this case, we shall hereinafter use the word "appellant" in all transactions involving appellant or the companies with which he was connected.

The record shows that in September, 1936, the Corcoran Brown Lamp Company submitted automobile lamps to appellant and asked that a fastening means, known as a "speed nut," be developed to hold the lens in place.

Appellant devised two forms of fasteners which he assembled in lamps, both of which were found unsatisfactory. Neither of these fasteners supported the limitations of the counts in issue. A third fastener, exhibit 13, was developed in December, 1936, but this too failed to meet the limitation of the counts requiring that the resilient sheet metal clips shall have depending legs, for exhibit 13 had only one depending leg. However, this exhibit 13 was placed in a lamp assembly and was shop tested and considered satisfactory by appellant. A number of lamp assemblies containing exhibit 13 were made up and delivered by one of appellant's salesmen to the Corcoran Company. This company suggested some changes in the fastener. These changes were thereafter made by appellant; fasteners embodying such changes were made and a sample thereof was introduced in evidence, marked exhibit 24.

This sample conforms to the element of the count above referred to respecting depending legs of the resilient sheet metal clips. Samples of the fastener like exhibit 24, assembled in lamps, were submitted to the Corcoran Company and in February, 1937, an order was given by that company for 100,000 fasteners similar to exhibit 24. These fasteners were shipped to the Corcoran Company on March 24, 1937,

but were rejected by that company on March 29, 1937. With respect to this rejection appellant testified that he sent his salesman Voss to the plant of the Corcoran Company to ascertain the reasons for the rejection. Appellant further testified:

* * * * * * * *

A. After Mr. Voss made his trip to our customer's plant, he determined that the type of fastener that we had made, while it appeared in preliminary tests to be suitable for the assembly, actually rotated during the assembly operation to such an extent that it would rotate out of position while the assembler tightened the screw, and, therefore, would not hold the lens in position. The fastener could not be held by the operator so as to eliminate this rotation and no suitable type of fixture could be placed in the confined area on the inside of the lamp to eliminate this rotation at least in the minimum amount of time allotted to this assembly operation. Therefore, we authorized the customer to return the shipment for credit, and I have before me a charge-back or debit memorandum sent to us by The Corcoran-Brown Lamp Company under date of April 15, 1937, their charge-back No. 205, calling for the return of 100,000 pieces CB 4283.

* * * * * * *

Q. 76. Do you know whether or not those speed nuts, mentioned in exhibit 28, were returned to you?

A. Yes. I have two documents before me to indicate the return of these speed nuts, the first being a bill of lading received from The Corcoran-Brown Lamp division, which bill of lading is dated April 16, 1937, and calls for one box of speed nuts.

* * * * * * *

Q. 81. Do you know whether or not a credit memorandum was issued to The Corcoran-Brown Lamp Company for the merchandise returned to you, as noted on exhibit 30?

A. Yes; I have before me a copy of our credit memorandum, under date of May 25, 1937, issued to The Corcoran-Brown Lamp Company, covering the 100,000 pieces No. 275 speed nuts originally shipped on our order SP 8188, and returned on their charge-back No. 205, which is now known as exhibit 28, and there is a reference further to our receiving report No. 802, which is known as exhibit 30.

With respect to further development of a fastener, appellant testified as follows:

Q. 83. Then, what, if anything, did you do with respect to making fasteners for The Corcoran-Brown Company?

A. We then went to work on the development of a fastener that would overcome the difficulty experienced in the rotation of the fastener, No. 275, and under date of May 10, 1937, I wrote a letter to Mr. W. C. Wootton, telling him that we were working on a new type of fastener that we hoped would overcome the assembly difficulties *which made it impossible for them to use fasteners like No. 275.* [Italics ours.]

* * * * * * *

Q. 84. Then what, if anything, did you do with respect to making a further fastener?

A. We developed a new type of speed nut to which we applied our part No. X 346, and upon completion of the samples we assembled a lamp which Mr. O. G. Voss delivered to Mr. Wootton, of The Corcoran-Brown Lamp Company, which call by Mr. Voss is acknowledged in our letter of June 18, 1937, written to Mr. Wootton by our Mr. J. M. Stofer.

* * * * * * *

Q. 85. Can you produce a lamp assembly having any fastener like that designated your part X 346, as referred to in exhibit 34?

A. Yes. I have before me a lamp exactly similar to that lamp submitted to Mr. Wootton by Mr. Voss, and as described in exhibit 34. This, no doubt, is not the same lamp, but it is an exact duplicate of that lamp, and on this lamp there are to be found two samples of speed nuts No. X 346 which eliminated the difficulty experienced in the rotation of the original fastener No. 275.

(Mr. Teare: I ask that this lamp assembly be marked exhibit 35.)

(Marked Tinnerman Exhibit 35.)

This exhibit 35 does not support the limitations of the counts here involved, but the negotiations in respect thereto throw some light upon subsequent transactions between appellant and the Corcoran Company. Prices were quoted by appellant to the Corcoran Company upon fasteners such as exhibit 35 but none were purchased, presumably because the price was considered too high. It also appears that the Corcoran Company had purchased fasteners for its lamps elsewhere, but on October 13, 1937, appellant received from the Corcoran Company a letter enclosing a blue print of a fastener and asking appellant to make a price on a quantity of such fasteners. The blue print referred to in the letter was introduced in evidence as exhibit 38. On the next day, October 14, 1937, appellant replied to this letter as follows:

This will acknowledge receipt of your letter of October 13th together with blue print of your part #CB-4283.

As stated over the phone, we have approximately 100,000 pieces of these speed nuts on hand, as per the enclosed samples and will be pleased to offer you our base price of $1.70 per M on these 100,000 pieces. Of course, it will not be necessary for you to take the entire quantity at one time.

Trusting you will find both the samples and the price satisfactory and awaiting an opportunity of further serving you, we remain,

Yours very truly

SPEED NUT DIVISION
TINNERMAN STOVE & RANGE CO.
GEO. A. TINNERMAN

Thereafter, on October 18, 1937, the Corcoran Company ordered 50,000 of such fasteners, and according to appellant's testimony the order was shipped to the Corcoran Company on October 22, 1937, and on October 26, 1937, the Corcoran Company wrote a letter to appellant as follows:

Gentlemen:

In regard to our conversation of this morning.

We have tried these nuts and find that they will assemble O. K., therefore, we will use them. Since our print is not to the description of what you say this nut should be, could you favor me with your print on this part?

Sincerely yours,

THE CORCORAN BROWN LAMP CO.
R. BOGART,
Chief Inspector.

Appellant and his witness Stofer testified that the fasteners shipped to the Corcoran Company on October 22, 1937, were a part of the lot of 100,000 fasteners rejected by said company on March 29, 1937. The Board of Interference Examiners expressed the view that there was doubt with respect to whether the fasteners shipped to the Corcoran Company on October 22, 1937, were some of the same fasteners which had been rejected by that company on March 29, 1937. The Board referred to the following testimony of appellant upon this point:

Q. 91. How does the fastener illustrated in exhibit 38 compare with any drawings that were made by you previous to February 11, 1935?

A. The drawing, exhibit 38, is practically in all respects a duplication of the drawing appearing on exhibit 18. We found, however, that in order to make these speed nuts perform the function of holding the assembly satisfactorily a further change was necessary, and it may be noted that on exhibit 18 a change "A" was made under date of October 28, 1937.

* * * * * * * *

Q. 98. You have stated heretofore that a change was made in the fastener as noted on exhibit 18, when you furnished the fasteners as noted on exhibit 40. Are you correct in that respect, in so far as the fastener is concerned?

A. No. The fastener itself was not changed. The print, exhibit 18, was changed to conform to the fasteners. The fasteners, that were shipped to our customer, The Corcoran-Brown Lamp Company, on their order, mentioned in their letter of October 18, 1937, known as exhibit 40, were the same fasteners that they had returned to us early in 1937 on their bill of lading, Exhibit 29, and which were covered by our receiving report and credit memorandum, which are Exhibits 30 and 31, respectively.

* * * * * * * *

Respecting this testimony the Board in its decision stated:

* * * Such contradictory testimony must of necessity raise a doubt as to whether it was the fastener which was changed or the drawing which was changed to agree with the construction of the fastener and it is not believed that the party Tinnerman has sustained his heavy burden of proof in establishing that the fastener shipped in October, 1937, was the fastener previously shipped in April, 1937.

In arriving at our conclusion in the case, we do not find it necessary to decide whether the fasteners sent to the Corcoran Company in October, 1937, were a portion of the fasteners originally sent to said company in March 1937, for the reason that there is no evidence in the record upon which it may be found that appellant reduced the invention to practice prior to appellee's filing date. Moreover, granting that appellant was the first to conceive the invention, the evidence affirmatively shows that he was not diligent in reducing it to practice.

It will be observed that the counts do not relate to the invention of a fastener, but each of the counts recites the fastener in combination with other elements stated in the counts. While appellant testified that the fasteners represented by exhibit 24 were assembled in a lamp and given a successful shop test, we find no corroboration of such testimony. It is elementary patent law that the uncorroborated testimony of an inventor cannot establish an actual reduction to practice of an invention.

That there was no reduction to practice prior to April 21, 1937, in the sale of the fasteners to the Corcoran Company and use of the fasteners by that company is evidenced by the fact that the company rejected the fasteners as unsatisfactory, and with the consent of appellant they were returned to him. Moreover, reduction to practice of the subject matter of the counts is not established in October, 1937, for there is no evidence that the lens assembly in which the fasteners were used was such as the counts require.

However, this is immaterial for, assuming that there was a reduction to practice in October, 1937, before appellant can prevail he must establish diligence in reducing the invention to practice from immediately prior to appellee's entry into the field, April 21, 1937. That appellant was not so diligent is abundantly established by the evidence. After the rejection of the fasteners by the Corcoran Company on March 29, 1937, appellant did nothing toward reducing the involved invention to practice, his only activity in that regard being the claimed reshipment of his original fasteners to the Corcoran Company in October, 1937. Appellant's activity in developing his exhibit 35 can not be regarded as diligence in reducing the involved invention to practice since exhibit 35 does not respond to the counts.

Appellant makes some contention that his fastener is so simple and of such obvious efficacy that no test of the same was necessary.

[1] There is, however, no count before us involving the fastener per se, but only in the combination set out in the claims. A mere reading of the counts shows that to constitute a reduction to practice a successful test of the device claimed was necessary. Moreover, the rejection by the Corcoran Company on March 29, 1937, of the fastener, exhibit 24, discloses that it was not satisfactory in the lens assembly upon which it was employed.

We think it proper to observe that it is significant that no one connected with the Corcoran Company was called as a witness by appellant. Presumably, if such a witness had been called, testimony could have been adduced as to the lamp assemblies upon which fasteners such as exhibit 24 were used.

[2] It is clear that upon the record before us appellant has wholly failed to establish the burden upon him to establish priority of invention, and the decision appealed from is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE VON BRAMER ET AL.

No. 4,566. Decided April 27, 1942

[127 F.(2d) 149]

1. PATENTABILITY—DIFFERENCE OF DEGREE.

Where appellants, in their application, emphasized the efficacy of inhibiting aminophenol compounds containing four or more carbon atoms *Held* that, though it probably is true that the aminophenol containing five carbon atoms, recited in their claims, is a better inhibitor than that containing four carbon atoms, any difference between these compounds is one of degree only and *Held* that the limitation in the claims to five carbon atoms is merely arbitrary.

2. SAME—ANTICIPATION—DESCRIPTION OF A CHEMICAL COMPOUND.

"We cannot agree with the argument of appellants that a chemical product can be described in but two ways (1) by reciting a sufficient number of its physical and chemical attributes as 'melting point, boiling point, color, crystalline appearance, solubility, chemical reactivity, etc.' or (2) 'to recite a process which will unquestionably produce the substance.'"

3. SAME—SAME—OPERATIVENESS OF PRIOR PROCESS IMMATERIAL.

"It is not necessary that a reference patent for a device or chemical compound disclose an operative process for producing the article or product."

4. SAME—SAME—MOTOR FUEL.

Certain claims to a motor fuel stabilized against deterioration by the addition of a N-(primaryalkyl)-aminophenol in which the primaryalkyl group contains at least five carbon atoms *Held* anticipated by cited prior art, notwithstanding appellants' contention that such compounds are therein disclosed no further than by the customary chemical nomenclature.

APPEAL from Patent Office. Affirmed

Mr. Newton M. Perrins and *Mr. Daniel I. Mayne* for Von Bramer et al.

Mr. W. W. Cochran (*Mr. Clarence W. Moore* of counsel) for the Commissioner of Patents.

JACKSON, *J.:*

This is an appeal from a decision of the Board of Appeals affirming that of the Primary Examiner denying patentability, in view of the prior art, of all of the claims, numbered 1 to 20 inclusive, in an application for a patent alleging new and useful improvements in "Treatment of Motor Fuels." The application is a division of a copending application Serial No. 96,467, filed August 17, 1936.

Product claims 1, 4, 6, 7, 11, 13, and 20 are the claims before us, the other claims having been cancelled by appellants subsequently to the decision of the Board.

Claims 1 and 4 are illustrative and read as follows:

1. A motor fuel comprising hydrocarbons and normally tending to deteriorate containing, in an amount sufficient to substantially retard the deterioration, a N-primaryalkyl)-aminophenol in which the primaryalkyl group contains at least five carbon atoms.

4. A motor fuel comprising hydrocarbons and normally

tending to deteriorate containing, in an amount sufficient to substantially retard the deterioration, a N-(n-primary-amyl)-p-aminophenol.

The references cited are: Wade (British), 350,438, June 5, 1931; Gutzeit, 2,074,467, March 23, 1937; Atwell, 2,081,130, May 25, 1937; Wilson, 2,084,754, June 22, 1937; Rogers et al., 2,084,977, June 22, 1937; Clifford, 2,109,164, February 22, 1938.

The subject matter of the claimed invention relates to

"the treatment of motor fuels comprising hydrocarbons, the treatment serving to retard or inhibit deterioration of the motor fuels"

and is directed to a motor fuel such as "cracked" gasoline stabilized against deterioration by the addition of a N-(primaryalkyl)-aminophenol.

The deterioration in the motor fuel to be retarded or inhibited, according to the application, is "manifested by a loss in knock-rating, the formation of color or the formation of gummy or resinous products." The application states:

. . . This deterioration is undesirable since it is important to preserve the knock-rating of a motor fuel and the gummy or resinous material tends to deposit in the induction system of the carburetor and intake valves impairing or even preventing the operation of the motor. The formation of color impairs the marketing of the motor fuel.

The Wade (British) patent relates to improvements particularly in

"cracked" hydrocarbon motor fuels which have a "tendency to form gum or resinification products on storage."

The fuel is treated with a "substituted aminophenol" and as examples of the material employed in the treatment it sets out

"para- and ortho-methyl-amino-phenol, dimethyl-amino-phenol, butyl, isopropyl and benzyl amino-phenols, dihydroxy-diphenyl-amine, and the like."

The deterioration inhibiting properties of the substituted aminophenols are set out in much detail in the patent and they are there stated to be very much more effective than the aminophenols.

The Gutzeit patent relates to the stabilizing of hydrocarbon oils "such as gasoline and naphtha, especially cracked gasoline," all of which often contain gum or gum forming constituents in harmful quantities. The hydrocarbon material is treated in the patent by the addition of small quantities of para amino phenolic or para diamino aryl compounds, which compounds the patentee states, when contained in a benzene ring, are powerful gum inhibitors.

The Atwell patent relates to "a process for inhibiting the formation of gums and semi-solid organic materials" in equipment such as gas meters, etc. The patent shows the use of several amino phenols and several substituted amino phenols among which latter are butyl aminophenol, amylaminophenol, 4-n-amylaminophenol, and 4-n-hexylaminophenol.

The Wilson patent is directed to the stabilization of motor fuels. It is stated in the specification that color deterioration and gum formation in motor fuels are known to be the result of oxidation. The patentee states that among other substances which he found to be effective in preventing gum formation is para-aminophenol. He further states that

"aromatic compounds with two hydroxyl and/or amino groups in the ortho or para positions of the benzene ring will completely prevent oxidation. . .".

The specification also shows that an alkyl or aryl group may be substituted for a hydrogen atom in these compounds and when the substitution has been made solubility is decreased in water and increased in oil. The patentee states that he can produce substituted phenolic or amino compounds used in his process from "the unsaturated hydrocarbons derived from the pyrolysis [cracking] of oil or coal as the base or stock" and specifically sets out that aminophenol can be alkylated by heating under pressure with alcohol.

The Rogers et al. patent relates in particular to the treatment of cracked gasoline with ortho-, meta-, and para-butyl aminophenols as gum inhibitors and claims a motor fuel product

"containing a small proportion of aminophenol wherein one amino hydrogen has been substituted by a butyl radical. . .".

The Clifford patent relates to the retarding of the aging of deteriorable organic compositions among which is gasoline. In the treatment of gasoline the patentee states that by the use of certain antioxidants the formation of gums and gummy materials is prevented. Among a long list of antioxidants there is specified N-butyl-p-amino phenol, N-isobutyl p-amino phenol and N-isoamyl p-amino phenol. A method of preparing N-butyl p-amino phenol is set out in the specification as "reacting butyl amine and p-chlorophenol in an autoclave."

The Primary Examiner in his rejection of the claims said in his statement as follows:

Applicants also arbitrarily limit the claims to five carbon atom alkyls, but the invention as alleged is that any alkyl having four or more carbon atoms are suitable.

The references cited; Clifford, Atwell, Gutzeit and Wilson teach alkyls as gasoline stabilizers readable upon applicants' claims. These references are particularly applied of record and since applicant admits that his claims are readable thereon further application is not made here. Similarly Wade and Rogers, et al. teach butyl amino phenols (four carbon atom) which applicants' claims now arbitrarily distinguish by reciting five carbon atom alkyls. But in view of the admitted equivalence of operation as well as the obvious use of the higher alkyls with this teaching these references are also relied on. *In re Weitzel et al.* 400 O. G. 463 [17 C. C. P. A. (Patents) 1079].

The Examiner also made a report, on an affidavit submitted on behalf of appellant subsequently to the rejection, the pertinent portion of which reads as follows:

The affidavit is the same in substance and submitted for the same purpose as that in the copending application by one of the applicants, F. R. Bean, Serial No. 175,078, filed November 17, 1937, and referred to by applicants.

One of the issues raised by applicants is that even if the compounds claimed herein as gasoline anti-oxidants are shown by the art of record, such references are inoperative and therefore ineffective as prior art, because these compounds were not available to the patentees for the proposed use as anti-oxidants. To support this argument they file the present affidavit, which purports to repeat the disclosed method of preparing a primary butyl p amino phenol of the Clifford Patent 2,109,164 (page 3, lines 16–20, column 2) of record herein. The effect therefore of the affidavit is that F. R. Bean, affiant, could not prepare this compound by a certain detailed method which he considers to be suggested by Clifford for making this compound. This, disregarding other suggested methods by other patentees, such as Wilson and Gutzeit, is deemed by applicants adequate to establish that none of the N primary alkyl amino phenols claimed herein were available to the patentees despite their suggestion to use the same as gasolone gum inhibitors as claimed.

The Examiner held in the Bean application and which holding was affirmed by the Board of Appeals, that all the prior art need teach or suggest was that the compounds or their unpatentable equivalents were useful for the purpose claimed and that,

"Even if it were conceded that the patentee could not prepare this substance by his method, even if it were never available to the patentee or any one prior to the present application—in short even if the patentee only guessed that the N butyl p amino phenol would be a useful anti-oxidant—that, adequately published, is sufficient anticipation for the present claims, which only affirm the truth of such guess."

The Board of Appeals regarded the situation in this proceeding the same in respect to the practice and law as that involved in the copending application of Bean and found in the instant case that the prior art references disclose the treatment of gasoline with a series of organic compounds of the same or adjacent members as disclosed and claimed by appellants to inhibit the formation of gum. In its decision the Board stated as follows:

It is contended on behalf of applicants that the compounds named in the patents were not known as such at the time and that the patents give no proposed method of preparing the same and that accordingly the disclosure consists simply of a mere chemical name and that this is not believed a sufficient disclosure to constitute a valid reference.

After careful consideration of the record including the showing of affidavits, we are not convinced of the sufficiency of applicants' contentions nor that we should, in effect, change our prior conclusions as expressed in the earlier [Bean] decision. We must accordingly hold that the naming of the reagents by the citations even though they are complex organic compounds and disclosed no further than by the customary chemical nomenclature is sufficient anticipation. The chemical nomenclature is, in fact, sufficient to disclose the structure of compound in details. It is not believed relevant or necessary to determine possibility of preparing these compounds or degree of difficulty involved.

Appellants do not contend here, and they did not contend below, that the prior art does not suggest the use of their claimed N-primary alkyl aminophenols for use in motor fuels as a gum inhibitor. Their contention throughout the proceeding has been that the prior art discloses their claimed inhibitor containing five carbon atoms or more by nothing more than a chemical name for a then alleged unknown aminophenol; and that disclosure of such claimed compound in the prior art, no further than by the customary chemical nomenclature, is insufficient to anticipate appellants' claims. In other words they contend that their compound in which the primary alkyl group contains at least five carbon atoms is critical as to its carbon content.

[1] In their application appellants emphasize throughout the efficacy of inhibiting aminophenol compounds containing four or more carbon atoms. As an instance of such emphasis we quote from the application as follows:

We have found the N-(primaryalkyl)-aminophenols in which the alkyl group contains at least four carbon atoms are generally superior to known motor fuel stabilizers in that the aforesaid N-primaryalkyl compounds are more soluble in motor fuels and show little or no tendency to precipitate from solutions in methanol or other alcohols at lower temperatures. This decreased tendency to precipitate from alcoholic solutions at lower temperatures permits our new stabilizers to be transported and added to motor fuels in the form of solutions without encountering difficulties because of temperature conditions. A 50% by weight solution of N-(n-primarybutyl)-p-aminophenol or of N-primaryamyl)-p-aminophenols in a mixture of methanol (90%) and butanol (10%) shows no precipitate at −70° C. Likewise the aforesaid N-primaryalkyl compounds are generally superior to known stabilizers in that they are much more resistant to extraction by water and/or alkalies from motor fuels and exhibit a greatly decreased tendency to impart or induce color and/or turbidity in motor fuels.

Evidently the limitation of carbon atoms in the appealed claims is merely arbitrary. It probably is true that the compound containing five carbon atoms is a better inhibitor than that containing four, but in view of what we have quoted from the application it seems to us that any difference between the former and latter compound is one of degree only. Therefore it appears to us that the said carbon atom content limitation of the involved claims does not of itself lend patentability to the claims.

[2] We cannot agree with the argument of appellants that a chemical product can be described in but two ways (1) by reciting a sufficient number of its physical and chemical attributes as "melting point, boiling point, color, crystalline appearance, solubility, chemical reactivity, etc." or (2) "to recite a process which will unquestionably produce the substance." We are of opinion that this argument has been effectively disposed of by the Examiner in one of his letters, in which he stated:

Applicants' argument that a name without further description given to a substance fails to identify or classify it and therefore fails to add to the prior knowledge in any way, is often true. In the present instance a chemical compound is named by the Clifford patent, butyl amino phenol, which, while proposed to be used as a gasoline stabilizer as applicants would use it, is, according to applicants, merely a name and not a real anticipation of the very stabilizer substance applicants would use notwithstanding applicants name their stabilizer substance with the same words. This contention is predicated in the failure of applicants to prepare this N-butyl [N-butyl] amino phenol by a process described by the patentee.

The fallacy in applicants' argument lies in the fact that the N-butyl amino phenol mentioned by the patentee is more than a mere name of an individual substance, otherwise unrecognized. This is a name according to a standard system of chemical nomenclature (Geneva system) whereby a chemically individual substance of definite chemical molecular structure is defined having generally predictable properties such as found for any similar N-alkyl amino phenol, and generally capable of synthesis by the recognized classical organic reactions. The use of a name falling within the standard chemical system by the patentee is no accident because all of the many compounds named in Clifford's disclosure are deliberately named from this standard chemical system.

Thus it is apparent that Clifford proposes to use N-butyl amino phenol as a gasoline stabilizer and as such anticipates applicants' claims, and this is true whether Clifford never really prepared or tried this suggested stabilizer, or what he really used was something totally different, because the suggestion to use this substance as claimed is clear—even if the patentee was only guessing the effect is the same. (*In Weitzel et al.*, 400 O. G. 463 [17 C. C. P. A. (Patents) 1079].)

[3] It is not necessary that a reference patent for a device or chemical compound disclose an operative process for producing the article or product. *In re Marden et al.*, 18 C. C. P. A. (Patents) 1119, 48 F.(2d) 428; *In re Fink*, 20 C. C. P. A. (Patents) 716, 62 F.(2d) 103; *Cohn* v. *United States Corset Co.*, 93 U. S. 366; *In re Schaeffer*, 2 App. D. C. 1; *In re Decker*, 36 App. D. C. 104; *General Electric Co.* v. *De Forest Radio Co. et al.*, 17 F.(2d) 90; *One-Piece Bifocal Lens Co.* v. *Bisight Co. et al.*, 246 F. 450.

[4] We can find no error in the decisions below and therefore the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,477,744, H. J. Yaghubian, Reversible coat, D. C., S. D. N. Y., Doc. 7/454, *H. J. Yaghubian* v. *Quality Coat Co., Inc., et al.* Consent order of discontinuance as to Moe Levy & Sons, M. Kopp, Inc., and Sherman Bros. Rainwear Corp.; bill dismissed for lack of prosecution June 8, 1942. Same, D. C., S. D. N. Y., Doc. 9/22, *H. J. Yaghubian* v. *Plymouth Mfg. Co. et al.* Dismissed for lack of prosecution (notice June 8, 1942)

1,488,756, Bombard & Sidebotham, Method and machine for making knock-down boxes, D. C., W. D. Mich. (Grand Rapids), Doc. 85, *Specialty Automatic Machine Co.* v. *Sutherland Paper Co.* Dismissed for want of equity June 12, 1942.

1,504,178, G. Young, Process for the production of ethers of carbohydrates, D. C., N. D. Ill., E. Div., Doc. 4050, *M. C. Sweet* v. *Sherwin-Williams Co.* Dismissed with prejudice June 2, 1942.

1,526,982, E. W. Hill, Stencil sheet, D. C., S. D. N. Y., Doc. 5/23, *A. B. Dick Co.* v. *I. J. Kertes Co., Inc., et al.* Dismissed for lack of prosecution (notice June 8, 1942).

1,623,564, P. Theurich, Advertising panel or decorative wall covering, D. C., S. D. N. Y., Doc. 7/113, *Window Advertising, Inc.*, v. *Acme Window Display Service, Inc.*,

et al. Dismissed for lack of prosecution (notice June 8, 1942).

1,633,555, F. R. Burgess, Container and sealing means therefor, D. C., N. D. Ohio, E. Div., Doc. 20420, *American Flange & Mfg. Co., Inc.*, v. *Draper Mfg. Co. et al.* Bill and counterclaim dismissed June 1, 1942.

1,682,188, G. W. Schaeffer, Printing and index device, filed June 12, 1942, D. C., N. D. Ill., E. Div. ,Doc. 4375, *Addressograph-Multigraph Corp.* v. *Pruitt Sales Corp.*

1,722,773, A. B. Stewart, Portable support for electric lamps, D. C., S. D. N. Y., Doc. 7/286, *The Charles Fischer Spring Co.* v. *Motion Picture Screen & Accessories Co., Inc., et al.* Judgment dismissing bill as to H. A. Fisch May 13, 1941; bill dismissed for lack of prosecution June 8, 1942.

1,731,153, S. Shopflocher, Display package, filed June 16, 1942, D. C., E. D. N. Y., Doc. 2750, *One-Two-Three Co., Inc.*, v. *Tavern Fruit Juice Co., Inc.*

1,741,909, J. Belohlavek, Loose leaf binder, D. C., N. D. Ill., E. Div., Doc. 3263, *J. Belohlavek* v. *Wilson-Jones Co.* Claims 1 and 2 held invalid; bill dismissed for want of equity May 4, 1942.

1,922,415, M. Bank, Electrical-including radio-apparatus, D. C., N. D. Ill., E. Div., Doc. 2869, *M. Bank* v. *J. W. Rogatz.* Claims 1, 2, and 3 held valid and infringed, injunction Apr. 28, 1942. Doc. 3535, *M. Bank* v. *Scientific Research Products Co.* Decree as above Apr. 1, 1942. Doc. 3088, *M. Bank* v. *Newark Electric Co., Inc., et al.* Injunction Jan. 23, 1942.

1,929,315, Johnson & Johnson, Lamp shade, D. C., N. D. Ill., E. Div., Doc. 2613, *Fleet-O-Lite Corp.* v. *Sher Bros. Mfg. Co.* Dismissed June 4, 1942.

1,981,309, J. Copley, Tree puller, D. C., S. D. Calif. (Los Angeles), Doc. 1903 Y, *A. Bartz* v. *J. B. Lockwood.* Patent held valid and infringed, injunction June 26, 1942.

1,987,573, C. H. Ingwer, Composite rubber article, D. C., N. D. Ohio, E. Div., Doc. 20188, *The I. T. S. Co.* v. *Seiberling Rubber Co. et al.* Patent held valid and infringed, injunction June 30, 1942.

2,002,638, Lee & Kaufmann, Traveling bag, appeal filed June 25, 1942, C. C. A., 2d Cir., Doc. —, *K. Kaufmann & Co., Inc.*, v. *A. Leitman et al.*

2,018,966, E. J. Miller et al., Manufacture of wheat flour, D. C., N. D. Ill., E. Div., Doc. 2970, *C. Kent* v. *Morris Mills, Inc.* Dismissed for want of equity Apr. 9, 1942.

2,134,048, J. B. Kessel, Washing machine, D. C., N. D. Ill., E. Div., Doc. 2677, *L. Hoffberg* v. *Chicago Electric Mfg. Co.* Dismissed on merits, patent held invalid June 9, 1942.

2,138,633, M. Greenfield, Hemming attachment for sewing machine, D. C., S. D. N. Y., Doc. 9/208, *M. Greenfield* v. *S. Neuman et al.* Dismissed for lack of prosecution (notice June 8, 1942).

2,221,906, W. C. Birk, Scarifying blade, D. C., E. D. Mich., S. Div., Doc. 3069, *Shunk Mfg. Co.* v. *F. Yeager Bridge & Culvert Works et al.* Stipulation and order of dismissal without prejudice (notice June 29, 1942).

2,222,097, Williams & Durant, Combined bumper and lamp guard, D. C., N. D. Ill., E. Div., Doc. 3492, *The Exhibit Supply Co. et al.* v. *Bally Mfg. Co. et al.* Dismissed without prejudice May 1, 1942.

2,232,237, G. J. Hopkins, Refrigerator, D. C., S. D. Ohio, E. Div., Doc. 508, *McCray Refrigerator Co.* v. *Morton Show Cases, Inc.* Dismissed (notice June 17, 1942).

2,243,323, Walton & Glanzer, Unit filter, filed June 24, 1942, D. C., E. D. Wis. (Milwaukee), Doc. 778, *Air-Maze Corp.* v. *Badger Mfg. & Sales Co.*

2,280,360, F. Z. Walsh, Garment, filed June 10, 1942, D. C., S. D. N. Y., Doc. 18/277, *Gerald M. Friend, Inc.*, v. *F. Z. Walsh et al.*

2,280,467, M. Blanc, Glove, filed June 25, 1942, D. C., E. D. N. Y., Doc. 2762, *Picardy Mills, Inc., v. Rainbow Shops, Inc., et al.*

Re. 19,445, E. F. Chandler, Remote control system; 1,747,594, E. J. Panish, Valve control, D. C., Wis. (Milwaukee), Doc. 5325, *E. F. Chandler et al.* v. *Cutler-Hammer, Inc.* Dismissed for want of equity; claims 1 to 18 inclusive, 20, 21, and 30 to 34 inclusive of 1,747,594 held invalid, but remainder of said counterclaim dismissed for want of equity June 24, 1942.

Des. 94,122. F. C. Ehrenreich, Coffee urn, D. C., N. D. Ill., E. Div., Doc. 3114, *Continental Coffee Co., Inc.*, v. *The A. Cooper Co.* Consent decree holding patent valid and infringed, injunction May 5, 1942.

Des. 108,468, G. Verrecchio, Brooch pin or similar article, D. C., S. D. N. Y., Doc. 2/385, *Coro-Gram, Inc.*, v. *Brooks & Co.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 109,289, Bauer & Steiner, Brooch, D. C., S. D. N. Y., Doc. 1/270, *E. Steiner et al.* v. *Pitti, Ltd., et al.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 109,569, J. A. Silverman, Collar, D. C., S. D. N. Y., Doc. 5/180, *Morris W. Haft & Bros., Inc.*, v. *Gordon V. Lyons, Inc.* Doc. 5/186, *Morris W. Haft & Bros., Inc.*, v. *Pioneer Cloak Mfg. Co.* Stipulation of discontinuance (notice June 4, 1942), in both of above cases.

Des. 109,721, M. Michelson, Dress, D. C., S. D. N. Y., Doc. 87/125, *Fred Perlberg, Inc.*, v. *Fashion Fair, Inc.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 112,552, A. Engel, Dress, D. C., S. D. N. Y., Doc. 2/8, *Bon-Ray Dance Frocks, Inc.*, v. *Frankel Bros.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 114,785, D. I. Cohen, Shoe, D. C., S. D. N. Y., Doc. 6/72, *M. Cohen & Sons Shoes, Inc.*, v. *Fastenberg's.* Consent decree Nov. 14, 1939. Dismissed for lack of prosecution June 8, 1942.

Des. 115,846, I. Defren, Mantelpiece-ornament, D. C., S. D. N. Y., Doc. 5/142, *De Fren Ship Craft Co.* v. *S. & S. Electrical Products.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 116,125, A. Ruchman, Dress, D. C., S. D. N. Y., Doc. 5/368, *Apex Dress Co., Inc.*, v. *Eisenstadt & Joseph.* Dismissed for lack of prosecution June 8, 1942.

Des. 116,772, M. Extract, Dress, D. C., S. D. N. Y., Doc. 5/426, *M. & S. Extract, Inc.*, v. *Pearl Dress Co., Inc.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 117,225, J. Chambart, Dress, D. C., S. D. N. Y., Doc. 6/199, *Mike Levine, Inc.*, v. *Camac & Wiener, Inc.* Order dismissing bill for lack of prosecution (notice June 8, 1942).

Des. 118,391, A. Sanders, Spectacle frame, filed June 20, 1942, D. C., E. D. N. Y., Doc. 2756, *The Harlequin Corp. et al.* v. *Salvage Optical Co. et al.*

Des. 118,541, S. Richman, Dress ensemble, D. C., S. D. N. Y., Doc. 8/153, *S. Richman* v. *Berell Frocks Co., Inc.* Consent order of discontinuance (notice June 10, 1942).

Des. 119,121, L. Zahn, Dress, D. C., S. D. N. Y., Doc. 8/78, *International Dress Co., Inc.*, v. *Louis Kalika, Inc.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 119,128, E. Kay, Dress ensemble, D. C., S. D. N. Y., Doc. 13/178, *Roseweb Frocks, Inc.*, v. *Pomette Dress Corp.* Stipulation of discontinuance (notice June 13, 1942).

Des. 119,141, C. Frankel, Dress, D. C., S. D. N. Y., Doc. 8/1, *Navarre Frocks, Inc.*, v. *Fadem-Weiss Dress Corp.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 119,461, B. Roth, Dress, D. C., S. D. N. Y., Doc. 244, *Bernard's* v. *Harris Dress Co.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 119,685, M. Galowitz, Dress, D. C., S. D. N. Y., Doc. 8/467, *Modern Juniors Lou Galowitz & Co., Inc.*, v. *Lossie Frocks, Inc.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 119,912, E. Breer, Dress, D. C., S. D. N. Y., Doc. 9/247, *Musman-Pincus, Inc.*, v. *Joseph Feil, Inc.* Doc. 8/377, *Musman-Pincus, Inc.*, v. *Vicky Sportwear, Inc.* Dismissed for lack of prosecution (notice June 8, 1942), in both suits.

Plant 399, M. Okada, Red carnation, D. C., N. D. Calif., S. Div., Doc. 22181–R, *Okada Bros., Inc.*, v. *N. Tanisawa et al.* Consent judgment June 8, 1942.

T. M. 203,657, Hamilton Watch Co., Watches, watch movements and parts thereof, D. C. R. I. (Providence), Doc. 31, *Hamilton Watch Co.* v. *Hamilton Chain Co., Inc., et al.* Judgment for plaintiff (notice June 19, 1942).

T. M. 335,853, Vadsco Sales Corp., Toothpaste, tooth powders, etc., D. C., N. D. Ill., E. Div., Doc. 2868, *Vadsco Sales Corp. et al.* v. *Jewel Tea Co.* Dismissed on stipulation June 16, 1942.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 8, 1942

[VOL. 542. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 452,666. BINNEY & SMITH COMPANY, New York, N. Y. Filed Apr. 29, 1942.

HI-TEAR

FOR CARBON BLACK IN BEADED FORM FOR USE AS AN INGREDIENT IN THE COMPOUNDING OF RUBBER.

Claims use since Apr. 10, 1942.

Ser. No. 453,279. RUBBERCRAFT CORPORATION OF CALIFORNIA, LTD., Los Angeles, Calif. Filed May 26, 1942.

ZEROFLEX

FOR COMPOUND MADE OF RUBBER AND SYNTHETIC RUBBER IN SHEET OR ANY OTHER FORM.

Claims use since Apr. 13, 1942.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 454,015. PLEE-ZINO, INC., Chicago, Ill. Filed July 2, 1942.

Mystery

FOR SOAP IN GRANULATED FORM.

Claims use since January, 1933.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 444,426. IDENER WASHINGTON, New York, N. Y. Filed June 11, 1941.

IDENER'S

FOR HAIR PREPARATIONS.

Claims use since Mar. 15, 1937.

Ser. No. 445,226. CARDOX CORPORATION, Chicago, Ill. Filed July 10, 1941.

CARDOX

FOR SODIUM CHLORATE, POTASSIUM CHLORATE, AND POTASSIUM PERCHLORATE.

Claims use since June 28, 1941.

Ser. No. 448,003. JEREMIAH F. JOHNSON, doing business as Bird Antarctic Anti-Freeze Co., Bloomfield, Iowa. Filed Oct. 22, 1941.

BIRD ANTARCTIC

FOR ANTI-FREEZE SOLUTION.

Claims use since Aug. 30, 1941.

Ser. No. 448,058. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Oct. 23, 1941.



FOR SMOKED SALT FOR CURING AND SEASONING FOODSTUFFS SUCH AS HAMS, BACON, AND POULTRY.
Claims use since Sept. 10, 1941.

Ser. No. 450,329. LYNN R. BRODRICK, doing business as Marysville Drug Company, Marysville, Kans. Filed Jan. 20, 1942.

VICTORY

FOR VITAMIN TABLETS.
Claims use since Jan. 6, 1942.

Ser. No. 450,762. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 5, 1942.

DURON

FOR CHLORINE-CONTAINING RUBBER COMPOUNDS INCLUDING RUBBER CHLORIDE AND RUBBER HYDROCHLORIDE.
Claims use since Nov. 26, 1941.

Ser. No. 453,256. W. K. TURNER, Duffield, Va. Filed May 25, 1942.



W. K. Turner

The portrait is that of W. K. Turner, a member of applicant firm.
FOR MEDICINAL PREPARATION FOR TREATMENT OF SYPHILIS.
Claims use since May 30, 1939.

Ser. No. 453,511. JESSE HOROWITZ, doing business as Liks Chemical Company, Bayonne, N. J. Filed June 6, 1942.

LIKS

FOR PAINT DEODORANT.
Claims use since Sept. 8, 1941.

Ser. No. 453,675. M. V. C. LABORATORIES, INC., Toledo, Ohio. Filed June 15, 1942.

Bottled HOSE

FOR LIQUID MAKE UP FOR THE LEGS.
Claims use since May 22, 1942.

Ser. No. 453,865. VOSLINE, Des Moines, Iowa. Filed June 24, 1942.

Victory Hose

FOR PREPARATION FOR LEG MAKE-UP IN IMITATION OF HOSIERY.
Claims use since June 1, 1942.

Ser. No. 453,949. J. H. STODDART CO., Redlands, Calif. Filed June 29, 1942.

PHENOPLEX

FOR PHENOBARBITAL AND B COMPLEX PREPARATION.
Claims use since June 11, 1942.

Ser. No. 453,978. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed July 1, 1942.

ANTI-
DEHYDRATING
WAXINE

No claim is made to the term "Anti-Dehydrating" apart from the mark.
FOR VANISHING CREAM FOR USE IN THE EMBALMING TRADE.
Claims use since Jan. 15, 1934.

Ser. No. 454,053. DONNA-LO LABORATORIES, INC., St. Louis, Mo. Filed July 4, 1942.

Melody
Lane

FOR SKIN LOTION AND PREPARATION FOR USE ON THE LEGS TO SIMULATE STOCKINGS.
Claims use since Feb. 3, 1942.

Ser. No. 454,109. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y. Filed July 9, 1942.

AERO *Lube*

FOR ADDITION AGENTS FOR THE FORTIFICATION OF LUBRICATING OILS FOR AUTOMOTIVE AND OTHER USES AND FOR IMPARTING OF CORROSION AND OXIDATION RESISTANT PROPERTIES TO SUCH OILS.
Claims use since Dec. 10, 1941.

Ser. No. 454,191. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed July 13, 1942.

ESTROTHYRIN

FOR COMBINATION OF THYROID AND ESTROGENIC SUBSTANCE FOR ORAL USE, RECOMMENDED IN MENOPAUSAL AND MENSTRUAL DISTURBANCES WHERE THESE SUBSTANCES ARE INDICATED; ALSO OTHER CLINICAL CONDITIONS IN WHICH THERE IS EVIDENCE OF HYPOTHYROIDISM AND/OR LOWERED ESTRIN LEVELS.
Claims use since Feb. 7, 1941.

Ser. No. 454,211. ALMA LABORATORIES, INC., New Orleans, La. Filed July 14, 1942.

ALBRITE

FOR NOSE DROPS FOR TREATING HEAD COLDS.
Claims use since May 22, 1942.

Ser. No. 454,223. BAYER-SEMESAN COMPANY, INC., Wilmington, Del. Filed July 15, 1942.

THIOSAN

FOR FUNGICIDES.
Claims use since June 2, 1942.

Ser. No. 454,234. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed July 15, 1942.

SMILING
RED

The word "Red" is disclaimed apart from the mark.
FOR LIPSTICKS.
Claims use since May 15, 1942.

Ser. No. 454,292. INTERNATIONAL LABORATORIES LIMITED, London, England. Filed July 17, 1942.

Dō-Dō

FOR MEDICATED PREPARATIONS FOR HUMAN USE IN THE TREATMENT OF ASTHMA AND OTHER CHEST DISEASES.
Claims use since December, 1934.

CLASS 10
FERTILIZERS

Ser. No. 424,801. FACERFORM CORPORATION, Ridgewood, N. J Filed Oct. 23, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

FACERFORM

FOR FERTILIZERS.
Claims use since October, 1933.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 441,887. UNITED STATES MINERAL WOOL COMPANY, Chicago, Ill. Filed Mar. 24, 1941.



FOR MINERAL WOOL.
Claims use since Mar. 19, 1938.

Ser. No. 441,971. LONE STAR CEMENT CORPORATION, New York, N. Y. Filed Mar. 26, 1941.

TEXCOR

FOR PORTLAND CEMENT.
Claims use since Feb. 26, 1941.

Ser. No. 444,059. WALSHCRETE CONSTRUCTION CORPORATION, Northport, N. Y. Filed May 29, 1941.

Walshcrete

FOR BUILDING AND CONSTRUCTION MATERIALS—NAMELY, BLOCKS, SLABS, WALLS, CEILINGS, AND FLOORS, PREFABRICATED AND NOT PREFABRICATED, AND MADE OF CEMENT, GRITS, AND SIMILAR MATERIAL.
Claims use since April, 1940.

Ser. No. 453,234. WM. CAMERON & CO. INC., Waco, Tex. Filed May 25, 1942.

IDEAL Lock-Joint

No claim is made to the words "Lock-Joint" apart from the mark.
FOR ASSEMBLED WINDOW UNITS.
Claims use since Aug. 1, 1937.

Ser. No. 453,312. MITCHELL & SMITH, INC., Detroit, Mich. Filed May 27, 1942.

PYROCUSTIC

FOR INSULATION IN SHEET, BLOCK, SPECIAL SHAPES, AND BULK FORM FOR RESISTANCE TO SOUND OR HEAT TRANSFERENCE.
Claims use since Apr. 27, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 453,832. AUTO-KLEAN STRAINERS LIMITED, London, England. Filed June 24, 1942.

LOLOS

FOR WIRE STRAINERS FOR LIQUIDS.
Claims use since 1932.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 451,397. JOSEPH UDDO, doing business as Johnson Chemical Co., Brooklyn, N. Y. Filed Mar. 4, 1942.

Gem

FOR FLOOR WAX.
Claims use since Feb. 15, 1942.

Ser. No. 452,152. G. W. ONTHANK COMPANY, Des Moines, Iowa. Filed Apr. 4, 1942.

Onco

FOR CLEANER, WAX, AND POLISH WHICH ARE CAPABLE OF CLEANING, WAXING, AND POLISHING FURNITURE, WOODWORK, AND AUTOMOBILES IN ONE OPERATION.
Claims use since Mar. 10, 1942.

Ser. No. 452,157. ALUMINUM INDUSTRIES, INC., Cincinnati, Ohio. Filed Apr. 6, 1942.

ALUMILIKE

FOR PAINTS IN PASTE AND POWDERED FORM AND PAINT VEHICLE FOR MIXING THE SAME.
Claims use since Nov. 1, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 435,335. WORONOCK AND ANSEN, New York, N. Y. Filed Aug. 23, 1940.

HALLMARK

FOR RADIOS A. C. AND D. C. CURRENT—PORTABLE, TABLE, FLOOR AND COMBINATION MODELS AND TELEVISION RECEIVING SETS AND PARTS THEREOF.
Claims use since Dec. 31, 1936.

Ser. No. 435,338. WORONOCK AND ANSEN, New York, N. Y. Filed Aug. 23, 1940.

HALLMARK

FOR ELECTRICAL APPLIANCES—NAMELY, TOASTERS, PERCOLATORS, TEAMAKERS, WAFFLE IRONS, TABLE GRILLS, ROOM HEATERS, FLASH LIGHTS, INCANDESCENT ELECTRIC LAMPS, FLUORESCENT ELECTRIC LAMPS, ELECTRIC FANS INCLUDING OSCILLATING AND NONOSCILLATING DESK AND WALL BRACKET ELECTRIC FANS.
Claims use since 1916.

Ser. No. 454,179. SUPER MOLD CORPORATION OF CALIFORNIA, Lodi, Calif. Filed July 11, 1942.

FIREMASTER

FOR AUTOMATIC SAFETY SWITCHES FOR VEHICLES.
Claims use since May 6, 1941.

Ser. No. 454,280. WILLIAM E. WRIGHT AND SONS COMPANY, West Warren, Mass. Filed July 16, 1942.

KAPPA

FOR ELECTRICAL INSULATING TAPE PARTICULARLY SUCH TAPE MADE FROM CELLULOSE ACETATE.
Claims use since June 4, 1942.

Ser. No. 454,318. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio. Filed July 18, 1942.

FIBRITE

FOR SEPARATORS AND INSULATION FOR ELECTRIC BATTERIES.
Claims use since June 10, 1942.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 453,961. THE KEN-TOOL MANUFACTURING COMPANY, Akron, Ohio. Filed June 30, 1942.

KEN-TOOL

The word "Tool" is disclaimed apart from the mark.
FOR AUTOMOTIVE SERVICE TOOLS—NAMELY, TIRE AND RIM TOOLS AND MECHANIC'S HAND TOOLS—NAMELY, CHISELS, PUNCHES, SCREW DRIVERS, HAMMERS, SOCKETS, WHEEL-PULLERS, AND THE LIKE.
Claims use since February, 1941.

CLASS 26

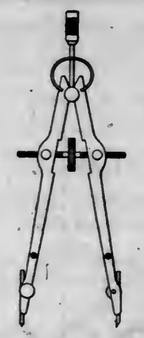
MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 445,854. MICROSTAT CORPORATION, Norwalk, Conn. Filed Aug. 1, 1941.

MICROSTAT

FOR PHOTOGRAPHIC NEGATIVE AND POSITIVE FILMS.
Claims use since Jan. 15, 1941.

Ser. No. 453,070. V. & E. ENGINEERING CO., Pasadena, Calif. Filed May 16, 1942.



Trade-mark consists of a red dot on the lower portion of at least one leg of the instrument. No claim is made to the representation of the compass.
FOR INSTRUMENTS—NAMELY, COMPASSES AND BOW COMPASSES.
Claims use since June 26, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 432,558. SEALY, INCORPORATED, Wilmington, Del. Filed May 31, 1940. Under the act of February 20, 1905 as amended June 10, 1938.

"HEALTH-IZED"

FOR MATTRESSES, UPHOLSTERED CHAIRS, UPHOLSTERED DIVANS, UPHOLSTERED OTTOMANS AND UPHOLSTERED STUDIO COUCHES.
Claims use since May 29, 1940.

Ser. No. 454,240. SIMMONS COMPANY, New York, N. Y. Filed July 15, 1942.

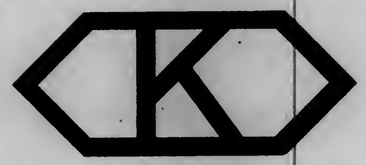
White Knight

FOR MATTRESSES.
Claims use since 1914.

CLASS 33

GLASSWARE

Ser. No. 450,014. KIMBLE GLASS COMPANY, Vineland, N. J. Filed Jan. 6, 1942.



FOR GLASS RODS, GLASS TUBING, AND GLASS CONTAINERS—NAMELY, JARS, DISHES, AND BOTTLES, INCLUDING AMPOULES AND OTHER VIALS, AND FLASKS.
Claims use since Feb. 15, 1936.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 452,879. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed May 7, 1942.

ENDOGAS

FOR ATMOSPHERE CORRECTING GAS CONVERTERS FOR HEAT TREATING FURNACES.
Claims use since Feb. 9, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 454,166. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio. Filed July 11, 1942.

Thorobred

FOR V-SHAPED BELTING FOR POWER TRANSMISSION.
Claims use since Apr. 7, 1942.

Ser. No. 450,363. LAPIN PRODUCTS, INC., New York, N. Y. Filed Jan. 21, 1942.

STREET SINGER

FOR TOY MUSICAL INSTRUMENTS WHICH ARE PLAYED BY HUMMING OR SINGING INTO THE SAME.
Claims use since Sept. 15, 1941.

Ser. No. 453,902. FAY TUSH, doing business as Faysam Recording Co., New York, N. Y. Filed June 26, 1942.

AVALON

FOR PHONOGRAPH RECORDS.
Claims use since June 22, 1942.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 449,479. FATHER FLANAGAN'S BOYS' HOME, Boys Town, Nebr. Filed Dec. 15, 1941.

BOYS TOWN TIMES

FOR SEMI-MONTHLY NEWSPAPER PUBLISHED IN THE INTEREST OF THE HOMELESS BOY.
Claims use since Oct. 24, 1938.

Ser. No. 449,593. VITACHROME, INC., Los Angeles, Calif. Filed Dec. 18. 1941.

Magic Mount

The word "Mount" is disclaimed apart from the mark.
FOR DECALCOMANIA TRANSFERS.
Claims use since Mar. 1, 1938.

Ser. No. 452,990. SIMPLICITY PATTERN CO. INC., New York, N. Y. Filed May 13, 1942.

MODERN MISS

FOR QUARTERLY MAGAZINE ENTITLED "MODERN MISS" DEVOTED TO THE INTERESTS OF WOMEN AND GIRLS AND CONTAINING MATTER CONCERNING FASHIONS, FABRICS, HINTS TO HOME KEEPING, PERSONAL GROOMING, BEAUTY CULTURE, PERSONALITY DEVELOPMENT, BOOK REVIEWS AND SCHOOL ACTIVITIES IN CONNECTION WITH THE ABOVE.
Claims use since Apr. 1, 1942.

Ser. No. 454,119. PHILADELPHIA DAILY NEWS, INC., Philadelphia, Pa. Filed July 9, 1942.

CROSS TOWN

FOR NEWSPAPER COLUMN.
Claims use since June 16, 1942.

CLASS 39

CLOTHING

Ser. No. 440,138. VARSITY UNDERWEAR COMPANY, Baltimore, Md. Filed Jan. 28, 1941.

TROPHY

FOR MEN'S, WOMEN'S, AND CHILDREN'S KNITTED, WOVEN, AND LOOMED UNDERWEAR, SHORTS, AND PAJAMAS.
Claims use since Jan. 1, 1919.

Ser. No. 441,671. JACK COHEN, London, England, and New York, N. Y. Filed Mar. 18, 1941.

ConJax

FOR LADIES' AND MISSES' COATS, SUITS AND ENSEMBLES, CONSISTING OF COAT AND SUIT.
Claims use since Sept. 6, 1940.

Ser. No. 452,943. BENNY SPIEGEL, doing business as B S Hat & Cap Company, New York, N. Y. Filed May 11, 1942.

BIRCHWOOD

FOR MEN'S AND BOYS' FELT, FABRIC AND STRAW HATS AND CAPS.
Claims use since Jan. 1, 1942.

Ser. No. 453,696. MAMMOTH HOSIERY MILLS, Trenton, N. J. Filed June 16, 1942.

NU-MAID

Applicant is the owner of prior registrations Number 164,595, dated Feb. 20, 1923, and Number 376,085, dated Mar. 12, 1940.
FOR WOMEN'S HOSIERY.
Claims use since Apr. 10, 1922.

Ser. No. 453,923. HAROLD KOLBERT, INC., New York, N. Y. Filed June 27, 1942.

LUSTRA PACA
TAILORED BY
Mademoiselle Coat

The wording "Tailored by Mademoiselle Coat" is disclaimed apart from the mark.
FOR LADIES', MISSES', AND JUNIORS' COATS, SUITS, JACKETS, SKIRTS, AND COAT AND SUIT ENSEMBLES.
Claims use since May 1, 1941.

Ser. No. 453,967. FRANKLIN SIMON & CO., INC., New York, N. Y. Filed June 30, 1942.

Windale

FOR MEN'S OUTER SHIRTS.
Claims use since June 1, 1942.

Ser. No. 453,972. WELLS LAMONT SMITH CORPORATION, Chicago, Ill. Filed June 30, 1942.

WHITE



OWL

FOR WORK GLOVES.
Claims use since Jan. 17, 1938.

Ser. No. 453,989. I. MILLER & SONS, INC., Long Island City, N. Y. Filed July 1, 1942.

LIMBERTIMBERS

FOR LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since June 9, 1942.

Ser. No. 454,117. OPERA DRESS & BLOUSE, INC., New York, N. Y. Filed July 9, 1942.

222

FOR LADIES' AND MISSES' DRESSES, BLOUSES, PLAYSUITS AND SLACKS.
Claims use since January, 1940.

Ser. No. 454,118. OPERA DRESS & BLOUSE, INC., New York, N. Y. Filed July 9, 1942.

3333

FOR LADIES' AND MISSES' DRESSES, BLOUSES, PLAYSUITS, AND SLACKS.
Claims use since January, 1940.

Ser. No. 454,130. BILLIE KNITWEAR INC., New York, N. Y. Filed July 10, 1942.

La Rhumba
BY
BILLIE

FOR SWEATERS AND SWEATER ENSEMBLES.
Claims use since May, 1942.

Ser. No. 454,131. STEPHEN J. BROUWER, Milwaukee, Wis. Filed July 10, 1942.

Research

FOR SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS OF THESE MATERIALS.
Claims use since December, 1940.

Ser. No. 454,139. GOTHAM HOSIERY COMPANY, INC., New York, N. Y. Filed July 10, 1942.

FUTURAY ★

FOR HOSIERY.
Claims use since July 6, 1942.

Ser. No. 454,165. BELMONT GARMENT COMPANY, Boston, Mass. Filed July 11, 1942.

Belster

FOR RAINCOATS.
Claims use since Apr. 7, 1942.

Ser. No. 454,267. OPERA DRESS & BLOUSE, INC., New York, N. Y. Filed July 16, 1942.

2222

FOR LADIES' AND MISSES' DRESSES, BLOUSES, PLAYSUITS, AND SLACKS.
Claims use since January, 1940.

Ser. No. 454,268. OPERA DRESS & BLOUSE, INC., New York, N. Y. Filed July 16, 1942.

333

FOR LADIES' AND MISSES' DRESSES, BLOUSES, PLAYSUITS, AND SLACKS.
Claims use since January, 1940.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 445,565. THE UNITED STATES FINISHING COMPANY, Norwich, Conn. Filed July 22, 1941. Under Section 5b of the act of 1905, as amended in 1920 as to the word "Sterling."

Sterling Colors

Applicant disclaims the word "Colors" apart from the mark.
FOR PIECE GOODS FOR DRESSES AND SUITS OF COTTON, LINEN, RAYON, WOOL, AND MIXTURES OF THESE FIBRES.
Claims use since July 7, 1941.

Ser. No. 446,936. THISTLETEX WEAVERS, INC., New York, N. Y. Filed Sept. 8, 1941.

Thistletex

FOR TURKISH TOWELS.
Claims use since Aug. 25, 1941.

Ser. No. 451,190. MALLINSON FABRICS CORPORATION, New York, N. Y. Filed Feb. 24, 1942.

HERE-n-THERE

FOR TEXTILE FABRICS IN THE PIECE—NAMELY, SILK FABRICS, RAYON FABRICS, FABRICS CONSISTING OF A MIXTURE OF RAYON AND SILK, AND COTTON, WOOLEN, OR LINEN FABRICS.
Claims use since October, 1920.

Ser. No. 452,925. FOX BROTHERS & COMPANY, LIMITED, Wellington, England. Filed May 11, 1942.



FOX

FOR SERGES AND WOOLEN AND WORSTED GOODS, WOOLEN CLOTHS, AND WORSTED STUFFS, ALL BEING PIECE GOODS.
Claims use since 1826.

Ser. No. 453,217. THE POND LILY COMPANY, New Haven, Conn. Filed May 23, 1942.

PONLITEX

FOR PIECE GOODS OF COTTON, RAYON, LINEN, OR WOOLEN, OR MIXTURES THEREOF.
Claims use since Aug. 18, 1931.

CLASS 43

THREAD AND YARN

Ser. No. 453,904. WOOL NOVELTY CO. INC., New York, N. Y. Filed June 26, 1942.

WNC



No claim is made to the representation of the ball of yarn apart from the mark.
FOR KNITTING YARN.
Claims use since April, 1935.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 448,322. HAMILTON MANUFACTURING COMPANY, Two Rivers, Wis. Filed Nov. 1, 1941.

BEAVER BAR

The word "Bar" is disclaimed apart from the mark.
FOR TEETHING BARS FOR USE ON BABIES' FURNITURE.
Claims use since Oct. 10, 1941.

Ser. No. 450,425. THE PIONEER RUBBER COMPANY, Willard, Ohio. Filed Jan. 23, 1942.

QUIXAM

FOR SURGEONS' RUBBER GLOVES.
Claims use since Jan. 9, 1942.

Ser. No. 452,919. BIODENT MFG. CO., New York, N. Y. Filed May 11, 1942.

Biodent

FOR DENTAL RESTORATIONS, ARTIFICIAL TEETH, AND FILLING MATERIAL FOR TEETH, COATING MATERIAL FOR DENTAL MOLDS, VENEERS, SHELLS, CROWNS FOR TEETH, COMPRESSION COMPOUND MATERIAL FOR PREPARING DENTAL WORK.
Claims use since May 30, 1941.

Ser. No. 452,945. WILLARD W. WENTZ, doing business as Victory Supply Company, Passaic, N. J. Filed May 11, 1942.



FOR GAUZE BANDAGES, TRIANGLE SURGICAL BANDAGES, AND TOURNIQUETS.
Claims use since Apr. 2, 1942.

Ser. No. 453,804. LACE-NET IMPORTING CO. INC., New York, N. Y. Filed June 22, 1942.

TULTEX

FOR SURGICAL BANDAGES.
Claims use since June 1, 1942.

Ser. No. 434,254. HAMILTON MANUFACTURING COMPANY, Two Rivers, Wis., and Rahway, N. J. Filed July 16, 1942.

Royaltone

FOR PHYSICIANS' AND SURGEONS' TABLES, STOOLS, STANDS, CHAIRS, WASTE CONTAINERS, AND CABINETS.
Claims use since Mar. 1, 1941.

Ser. No. 434,425. LAWRENCE A. LOCKWOOD, doing business as Lockwood Products, Chicago, Ill. Filed July 22, 1942.

Din Din

FOR HEAT-TREATING NURSING BOTTLE HOLDERS.
Claims use since July 10, 1940.

CLASS 46

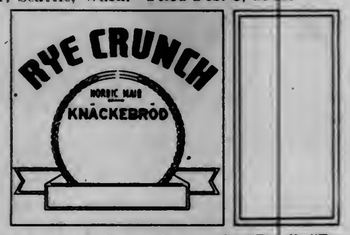
FOODS AND INGREDIENTS OF FOODS

Ser. No. 432,232. ANA-JAY FOOD PRODUCTS CORP., New York, N. Y. Filed May 23, 1940.

ANA-JAY DESSERT

The word "Dessert" is disclaimed apart from the mark.
FOR FILLINGS OF DIFFERENT FLAVORS USED IN PIES AND PUDDINGS.
Claims use since Apr. 24, 1940.

Ser. No. 440,259. NORDIC BAKING AND IMPORTING COMPANY, Seattle, Wash. Filed Feb. 3, 1941.



No claim is made to the words "Rye," "Brand," or "Knäckebröd" apart from the mark.
FOR KNACKEBROD—NAMELY, SWEDISH STYLE FLAT RYE WAFERS.
Claims use since July 15, 1940.

Ser. No. 441,502. DELEGATION OF MEAT PACKERS OF POLAND, INC., New York, N. Y. Filed Mar. 13, 1941.



The representation of the label and all wording except "Batory" and applicant's name are disclaimed apart from the mark.
FOR CANNED COOKED HAM.
Claims use since Dec. 14, 1940.

Ser. No. 442,614. WELCH FRUIT PRODUCTS CO., Chicago, Ill. Filed Apr. 15, 1941.



FOR SYRUP FLAVORINGS FOR ICE CREAMS.
Claims use since May 25, 1938.

Ser. No. 449,267. HANOVER STAR MILLING CO., Germantown, Ill. Filed Dec. 8, 1941.



No claim is made to the words "The World's Best" apart from the mark.
FOR WHEAT FLOUR.
Claims use since Dec. 15, 1920.

Ser. No. 449,269. HANOVER STAR MILLING CO., Germantown, Ill. Filed Dec. 8, 1941.



No claim is made to the words "The World's Best" apart from the mark.
FOR WHEAT FLOUR.
Claims use since July 28, 1906.

Ser. No. 449,836. GAINES FOOD CO. INC., Sherburne, N. Y. Filed Dec. 29, 1941.



The surname "Gaines" is disclaimed apart from the mark.
FOR DOG FOOD.
Claims use since May 1, 1940.

Ser. No. 452,996. VAN DUSEN HARRINGTON COMPANY, Minneapolis, Minn. Filed May 13, 1942.

"KUBO"

FOR DURUM WHEAT FLOUR.
Claims use since April, 1934.

Ser. No. 452,999. WAMESIT COMPANY, Wamesit, Mass. Filed May 13, 1942.



FOR CONCENTRATE OR SUPPLEMENT TO BE ADDED TO FEED FOR DOMESTIC ANIMALS.
Claims use since Apr. 2, 1942.

Ser. No. 453,369. PLEE-ZING, INC., Chicago, Ill. Filed May 29, 1942.

PLEE-ZING

SKEE

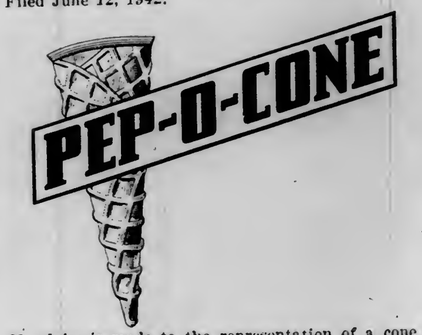
FOR VEGETABLE SHORTENING.
Claims use since Apr. 10, 1942.

Ser. No. 453,456. HOUSEHOLD PRODUCTS CO., Chicago, Ill. Filed June 4, 1942.

SWORD

Applicant is the owner of trade-mark registrations Nos. 251,873 and 269,472.
FOR CANNED APRICOTS, CANE AND MAPLE SYRUP, IMITATION FLAVORING EXTRACTS FOR FOOD FLAVORING PURPOSES, WHEAT FLOUR, CANNED PEACHES, CANNED PEAS, CANNED PEARS, AND CANNED BEANS.
Claims use since Nov. 10, 1927.

Ser. No. 453,624. M. & B. CONE CO., Brooklyn, N. Y. Filed June 12, 1942.



No claim is made to the representation of a cone and the word "Cone" apart from the mark.
FOR ICE CREAM CONES.
Claims use since June 3, 1942.

Ser. No. 454,151. SOKOL & COMPANY, Chicago, Ill. Filed July 10, 1942.

CONAL

CALARCA

FOR GREEN COFFEE.
Claims use since April, 1940.

CLASS 47

WINES

Ser. No. 444,924. BELLOWS & COMPANY, INC., New York, N. Y. Filed June 28, 1941.

BELLOWS & COMPANY

Established 1720

DRY DOMINION SHERRY

Applicant is the owner of Reg. No. 365,723, effected under the 10-year proviso of the act of February 20, 1905. Applicant disclaims the words "Dry Sherry" apart from the mark.

FOR SHERRY WINE.
Claims use since June 19, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 8, 1942

397,391. PHARMACEUTICAL PREPARATIONS USEFUL AS TONICS INCLUDING AMONG OTHERS TONICS WHICH IMPROVE THE APPETITE AND STIMULATE THE DIGESTIVE FUNCTIONS. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed July 14, 1938. Serial No. 408,512. PUBLISHED JUNE 30, 1942. Class 6.

397,392. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed December 14, 1939. Serial No. 426,568. PUBLISHED JUNE 23, 1942. Class 40.

397,393. INSECTICIDES AND FUNGICIDES AND FUMIGANTS USED IN ANIMAL HUSBANDRY AND ESPECIALLY IN THE POULTRY INDUSTRY. THE G. E. CONKEY CO., Cleveland, Ohio.
Filed January 10, 1940. Serial No. 427,296. PUBLISHED JANUARY 7, 1941. Class 6.

397,394. WOMEN'S AND MISSES' NEGLIGEES, PLAY SUITS, BEACH SUITS, APRONS, HOOVERETTES, BATH ROBES, AND PAJAMAS. JULIUS DRITTEL, INC., Elizabeth, N. J.
Filed February 23, 1940. Serial No. 428,801. PUBLISHED JUNE 23, 1942. Class 39.

397,395. AUGER BITS FOR CABINET WORK. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio.
Filed August 6, 1940. Serial No. 434,721. PUBLISHED JUNE 23, 1942. Class 23.

397,396. HATS AND COATS FOR MEN, WOMEN, AND CHILDREN AND DRESSES FOR WOMEN AND GIRLS. TINA LESER, New York, N. Y.
Filed March 13, 1941. Serial No. 441,513. PUBLISHED JUNE 2, 1942. Class 39.

397,397. LEATHER COATS, LEATHER JACKETS, SUEDE JACKETS, SUEDE COATS, AND SHEEPSKIN COATS AND JACKETS FOR MEN AND BOYS. EXCELLED SHEEPSKIN & LEATHER COAT CO. INC., New York, N. Y.
Filed March 25, 1941. Serial No. 441,904. PUBLISHED JUNE 10, 1941. Class 39.

397,398. ATHLETIC SHOES—NAMELY, BOXING SHOES, WRESTLING SHOES, BASKETBALL SHOES, FOOTBALL SHOES, ETC. WISCONSIN SHOE COMPANY, Milwaukee, Wis.
Filed March 26, 1941. Serial No. 441,985. PUBLISHED JULY 29, 1941. Class 39.

397,399. ATHLETIC SHOES—NAMELY, BOXING SHOES, WRESTLING SHOES, BASKETBALL SHOES, FOOTBALL SHOES, ETC. WISCONSIN SHOE COMPANY, Milwaukee, Wis.
Filed March 26, 1941. Serial No. 441,986. PUBLISHED JULY 29, 1941. Class 39.

397,400. LADIES' COATS, MEN'S COATS, AND CHILDREN'S COATS. ELLIS COAT CO., INC., Manchester, Conn.
Filed April 4, 1941. Serial No. 442,257. PUBLISHED JUNE 30, 1942. Class 39.

397,401. MEDICINAL PREPARATIONS COMPRISING VITAMINS AND IRON. DR. D. JAYNE & SON, INC., Philadelphia, Pa.
Filed April 14, 1941. Serial No. 442,556. PUBLISHED JUNE 17, 1941. Class 6.

397,402. FOLDED BOXES MADE OF PAPER AND CARDBOARD SOLD AND SHIPPED IN LARGE QUANTITIES EMPTY AND FLAT TO CUSTOMERS WHO UNFOLD AND SET THEM UP FOR PACKAGING THEIR OWN GOODS FOR THE MARKET. PAPER PACKAGE COMPANY, Indianapolis, Ind.
Filed April 16, 1941. Serial No. 442,635. PUBLISHED JUNE 24, 1941. Class 2.

397,403. LADIES' UNDERWEAR—NAMELY, SLIPS. KEWPIE LINGERIE, INC., New York, N. Y.
Filed April 26, 1941. Serial No. 443,009. PUBLISHED JUNE 16, 1942. Class 39.

397,404. BASE METAL SALT-AND-PEPPER SHAKERS, BASE-METAL GLASS-LINED OCCASIONAL BOXES FOR MISCELLANEOUS USE ETC. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn.
Filed April 30, 1941. Serial No. 443,111. PUBLISHED JUNE 30, 1942. Class 2.

397,405. PREPARATION IN TABLET OR POWDER FORM FOR INTERNAL OR EXTERNAL USE IN ANY HUMAN AILMENT, ETC. WM. P. POYTHRESS & CO. INC., Richmond, Va.
Filed May 9, 1941. Serial No. 443,432. PUBLISHED JUNE 23, 1942. Class 6.

397,406. PYROPHORIC CIGAR LIGHTERS, CANDLESTICKS, CONDENSER TUBES. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn.
Filed May 14, 1941. Serial No. 443,553. PUBLISHED JUNE 30, 1942. Class 34.

397,407. THERMOSTATS FOR USE IN HEATING SYSTEMS. COOK ELECTRIC COMPANY, Chicago, Ill.
Filed May 16, 1941. Serial No. 443,630. PUBLISHED JUNE 30, 1942. Class 26.

397,408. HYDRAULIC PUMPS AND MOTORS, INCLUDING MOTORS FOR WINDSHIELD WIPER MECHANISMS AND PARTS THEREOF, ETC. THE ACROTORQUE COMPANY, Cleveland, Ohio.
Filed May 22, 1941. Serial No. 443,796. PUBLISHED JUNE 23, 1942. Class 23.

397,409. HYDRAULIC PUMPS AND MOTORS, INCLUDING MOTORS FOR WINDSHIELD WIPER MECHANISMS AND PARTS THEREOF, ETC. THE ACROTORQUE COMPANY, Cleveland, Ohio.
Filed May 22, 1941. Serial No. 443,797. PUBLISHED JUNE 23, 1942. Class 23.

397,410. CREAM NAIL POLISH REMOVER. MOV, INC., New York, N. Y.
Filed May 23, 1941. Serial No. 443,848. PUBLISHED JULY 8, 1941. Class 6.

397,411. SOAPS, WASHING SOLUTIONS, AND COMPOUNDS FOR CLEANING AUTOMOBILE BODIES, METALS, PORCELAINS, AND OTHER SMOOTH SURFACES. THE BELL COMPANY, INC., doing business as Flare Laboratories, Chicago, Ill.
Filed May 28, 1941. Serial No. 443,994. PUBLISHED DECEMBER 16, 1941. Class 4.

397,412. BOOTS, SHOES, AND SLIPPERS OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. MABEL WINKEL & CO., New York, N. Y.
Filed June 7, 1941. Serial No. 444,303. PUBLISHED JUNE 30, 1942. Class 39.

397,413. TEXTILE PIECE GOODS MADE WHOLLY OR PRINCIPALLY OF COTTON. THE COTTON BOARD, Manchester, England.
Filed June 12, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 444,440. PUBLISHED JUNE 9, 1942. Class 42.

397,414. ARTICLES OF WEARING APPAREL SPECIALLY DESIGNED FOR USE BY WOMEN—NAMELY, SKIRTS, BLOUSES, SHIRTS, AND PAJAMAS. THE MANHATTAN SHIRT COMPANY, New York, N. Y.
Filed June 13, 1941. Serial No. 444,507. PUBLISHED JUNE 30, 1942. Class 39.

397,415. LIPSTICK CONTAINERS OF BASE METAL HAVING A TRANSPARENT PLASTIC REMOVABLE OUTER CASE, SOLD EMPTY. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed June 14, 1941. Serial No. 444,519. PUBLISHED JUNE 30, 1942. Class 2.

397,416. LUMBER. BALTIMORE LUMBER COMPANY, Baltimore, Md.
Filed June 30, 1941. Serial No. 444,960. PUBLISHED JUNE 30, 1942. Class 12.

397,417. GLOVES MADE OF LEATHER, SILK, COTTON, AND WOOL, AND OF COMBINATIONS OF THESE MATERIALS. USA ESSPI GLOVE CORPORATION, New York, N. Y., now by change of name Esspi Glove Corporation.
Filed July 2, 1941. Serial No. 445,026. PUBLISHED JUNE 9, 1942. Class 39.

397,418. NATURAL MINERAL WATERS, NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING SOFT DRINKS. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil.
Filed July 7, 1941, Serial No. 445,117. PUBLISHED JUNE 23, 1942. Class 45.

397,419. FARM MACHINERY—NAMELY, HAY LOADERS, HAY AND STRAW STACKERS AND RAKES. THE NEW METHOD EQUIPMENT COMPANY, Indianola, Iowa.
Filed July 24, 1941. Serial No. 445,611. PUBLISHED JUNE 30, 1942. Class 23.

397,420. THERAPEUTIC VITAMIN PREPARATION USED AS A FOOD SUPPLEMENT FOR PETS. CEROPHYL LABORATORIES, INC., Kansas City, Mo.
Filed August 4, 1941. Serial No. 445,919. PUBLISHED MARCH 31, 1942. Class 6.

397,421. MEN'S HOSIERY. LEOPOLD B. SCHWAB, New York, N. Y.
Filed August 22, 1941. Serial No. 446,466. PUBLISHED JUNE 23, 1942. Class 39.

397,422. GAS FOR HOUSEHOLD PURPOSES. PUBLIC GAS CO., Miami, Fla.
Filed August 25, 1941. Serial No. 446,528. PUBLISHED DECEMBER 23, 1941. Class 6.

397,423. MEN'S LEATHER SHOES. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed August 28, 1941. Serial No. 446,616. PUBLISHED JANUARY 6, 1942. Class 39.

397,424. WOMEN'S AND MISSES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed September 8, 1941. Serial No. 446,863. PUBLISHED MARCH 10, 1942. Class 39.

397,425. INDUSTRIAL WIPING TOWELS. CALLAWAY MILLS, La Grange, Ga.
Filed September 25, 1941. Serial No. 447,301. PUBLISHED JUNE 16, 1942. Class 42.

397,426. BEERS, PORTERS, AND ALES. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil.
Filed October 1, 1941. Serial No. 447,456. PUBLISHED JUNE 23, 1942. Class 48.

397,427. VITAMIN TABLETS AND CAPSULES. PETER C. CHRISTENSEN, Newark, N. J.
Filed October 3, 1941. Serial No. 447,508. PUBLISHED JUNE 23, 1942. Class 6.

397,428. WHOLLY OR PARTLY KNITTED GARMENTS AND WEARING APPAREL—NAMELY, SWEATERS, SWEATER COATS, PULL-OVERS, JACKETS, SKIRTS, HOSIERY, OUTER AND UNDER SHIRTS, AND NECKTIES AND SCARVES FOR THE USE OF MEN, WOMEN, BOYS, AND GIRLS. CAMERON IMPORTING CORP., New York, N. Y.
Filed October 11, 1941. Serial No. 447,682. PUBLISHED JUNE 16, 1942. Class 39.

397,429. PAPER DRILL. LASSCO PRODUCTS, INC., Rochester, N. Y.
Filed October 13, 1941. Serial No. 447,742. PUBLISHED JUNE 23, 1942. Class 23.

397,430. LEATHER SHOES. ANTONIO CABANTOUS, Buenos Aires, Argentina.
Filed October 23, 1941. Serial No. 448,031. PUBLISHED JUNE 16, 1942. Class 39.

397,431. SHOES OF LEATHER, FABRIC, RUBBER, OR COMBINATIONS THEREOF. GALE SHOE MFG. CO., Boston, Mass.
Filed February 3, 1942. Serial No. 450,677. PUBLISHED JUNE 23, 1942. Class 39.

397,432. CHEMICAL PRODUCTS FOR INDUSTRY PURPOSES—NAMELY, HARDENING AND SOLDERING COMPOUNDS. DEUTSCHE GOLD- UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, Frankfort-on-the-Main, Germany.
Filed February 4, 1942. Serial No. 450,732. PUBLISHED JUNE 23, 1942. Class 6.

397,433. TEXTILE FABRICS IN THE PIECE—NAMELY, SILK FABRICS, RAYON FABRICS, FABRICS CONSISTING OF A MIXTURE OF RAYON AND SILK, AND COTTON, WOOLEN, OR LINEN FABRICS. NATIONAL FABRICS CORPORATION, New York, N. Y.
Filed February 4, 1942. Serial No. 450,740. PUBLISHED JUNE 23, 1942. Class 42.

397,434. TABLE CLOTHS, NAPKINS, SCARFS, AND DOILIES. FELIX TAUSEND & SONS, New York, N. Y.
Filed February 4, 1942. Serial No. 450,751. PUBLISHED JUNE 23, 1942. Class 42.

397,435. CHEMICAL PRODUCT—NAMELY, A WATERPROOFING FINISHING MATERIAL FOR TEXTILES. L. SONNEBORN SONS, INC., New York, N. Y.
Filed February 5, 1942. Serial No. 450,772. PUBLISHED JUNE 30, 1942. Class 6.

397,436. CHECK AND FOOT VALVES, PUMP STRAINERS, WELL SCREENS AND WELL SEALS. WHITE MACHINE WORKS, Fort Wayne, Ind.
Filed February 5, 1942. Serial No. 450,774. PUBLISHED JUNE 30, 1942. Class 13.

397,437. STRINGS, MADE OF GUT, METAL, OR OTHER MATERIALS, FOR MUSICAL INSTRUMENTS OF ALL SORTS AND DESCRIPTIONS. E. & O. MARI, INC., Long Island City, N. Y.
Filed February 6, 1942. Serial No. 450,805. PUBLISHED JUNE 30, 1942. Class 36.

397,438. STRINGS, MADE OF GUT, METAL, OR OTHER MATERIALS, FOR MUSICAL INSTRUMENTS OF ALL SORTS AND DESCRIPTIONS. E. & O. MARI, INC., Long Island City, N. Y.
Filed February 6, 1942. Serial No. 450,807. PUBLISHED JUNE 30, 1942. Class 36.

397,439. WOVEN FABRICS FOR INDUSTRIAL AND TECHNICAL USE—NAMELY, STENCIL CLOTH FOR SCREEN PRINTING, AND BOLTING CLOTH FOR SIFTING PURPOSES. TOBLER, ERNST & TRABER, INC., New York, N. Y.
Filed February 12, 1942. Serial No. 450,929. PUBLISHED MAY 26, 1942. Class 42.

397,440. FRESH VEGETABLES. FRED W. RUSH, doing business as Fred W. Rush Co., Los Angeles, Calif.
Filed February 13, 1942. Serial No. 450,944. PUBLISHED MARCH 31, 1942. Class 46.

397,441. WOOLEN PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed February 17, 1942. Serial No. 451,027. PUBLISHED MAY 19, 1942. Class 42.

397,442. COMBINATION OF EXTRACTS OF NATURAL MATERIALS USED AS A SUBSTITUTE FOR SPANISH MASS, AND LICORICE. HAROLD HOFFMAN, New York, N. Y.
Filed February 17, 1942. Serial No. 451,037. PUBLISHED JUNE 23, 1942. Class 6.

397,443. SILK AND WOOLLEN GOODS IN THE PIECE. JACQMAR LIMITED, London, England.
Filed February 17, 1942. Serial No. 451,038. PUBLISHED JUNE 2, 1942. Class 42.

397,444. PIECE GOODS OF COTTON, RAYON, AND MIXTURES THEREOF. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., and New York, N. Y.
Filed February 20, 1942. Serial No. 451,118. PUBLISHED MAY 26, 1942. Class 42.

397,445. WORSTED FABRICS IN THE PIECE AND CUT LENGTHS SUITABLE FOR THE OUTER MATERIAL OF MEN'S SUITS AND TOPCOATS. COLLINS & AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y.
Filed February 26, 1942. Serial No. 451,225. PUBLISHED JUNE 9, 1942. Class 42.

397,446. BRONZE AND BRASS BUSHINGS, COPPER HAMMER HEADS, COPPER SOLDERING TOOLS, ETC. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn.
Filed February 21, 1942. Serial No. 451,134. PUBLISHED JUNE 30, 1942. Class 23.

397,447. COTTON DUCK FABRICS IN THE PIECE AND CUT LENGTHS. COLLINS & AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y.
Filed February 26, 1942. Serial No. 451,224. PUBLISHED MAY 26, 1942. Class 42.

397,448. COTTON AND RAYON PIECE GOODS AND BALLOON CLOTH. PONEMAH MILLS, Taftville, Conn.
Filed February 26, 1942. Serial No. 451,242. PUBLISHED MAY 26, 1942. Class 42.

397,449. PIECE GOODS MADE OF RAYON, COTTON, WOOL, ACETATE RAYONS, AND COMBINATIONS THEREOF. WOOL-RAY PRODUCTS CORPORATION, New York, N. Y.
Filed February 26, 1942. Serial No. 451,251. PUBLISHED MAY 26, 1942. Class 42.

397,450. CEMENT. X-PANDO CORPORATION, Long Island City, N. Y.
Filed February 26, 1942. Serial No. 451,253. PUBLISHED MAY 26, 1942. Class 12.

397,451. TABLE STRUCTURES FOR USE WITH JACKS IN RAISING AND LOWERING VEHICLE WHEELS IN PITS, LOCOMOTIVE HOISTS, ETC. WHITING CORPORATION, Harvey, Ill.
Filed October 25, 1941. Serial No. 448,122. PUBLISHED JUNE 23, 1942. Class 23.

397,452. LADIES' HOSIERY. THE ALDEN MILLS, New Orleans, La.
Filed October 28, 1941. Serial No. 448,180. PUBLISHED JUNE 23, 1942. Class 39.

397,453. SPORT JACKETS AND PARKAS FOR USE BY MEN AND YOUNG MEN. CONGRESS SHIRT COMPANY, Boston, Mass.
Filed October 29, 1941. Serial No. 448,220. PUBLISHED JUNE 2, 1942. Class 39.

397,454. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed November 1, 1941. Serial No. 448,352. PUBLISHED JUNE 30, 1942. Class 21.

397,455. CANNED FOOD PRODUCTS—NAMELY, CANNED FRUITS AND CANNED VEGETABLES. JOHN D. RICH, doing business as Saunemin Produce Company, Saunemin and Chicago, Ill.
Filed November 3, 1941. Serial No. 448,372. PUBLISHED JUNE 30, 1942. Class 46.

397,456. JAMS, JELLIES, FRUIT PRESERVES, MUSTARD, PEANUT BUTTER, TABLE SYRUP, PICKLES, CATSUP, VEGETABLE SHORTENING, MARASCHINO CHERRIES, AND COCOA. RECORD SUPPLY CORPORATION, Chicago, Ill.
Filed November 10, 1941. Serial No. 448,522. PUBLISHED MARCH 10, 1942. Class 46.

397,457. HOSIERY. THE ROXBOROUGH COMPANY, Philadelphia, Pa.
Filed November 10, 1941. Serial No. 448,527. PUBLISHED JANUARY 27, 1942. Class 39.

397,458. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. FOREMAN FABRICS CORP., New York, N. Y.
Filed November 14, 1941. Serial No. 448,635. PUBLISHED MAY 26, 1942. Class 42.

397,459. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. FOREMAN FABRICS CORP., New York, N. Y.
Filed November 14, 1941. Serial No. 448,636. PUBLISHED JUNE 23, 1942. Class 42.

397,460. PISTON EXPANDERS EMPLOYED TO CAM THE SKIRTS OF PISTONS. CHARLES F. JOHNSTON, Oakland, Calif.
Filed November 21, 1941. Serial No. 448,794. PUBLISHED JUNE 23, 1942. Class 23.

397,461. COTTON AND/OR RAYON PIECE GOODS—NAMELY, CURTAIN, DRAPERY, AND UPHOLSTERY FABRICS, MADE UP CURTAINS AND DRAPERIES. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed November 22, 1941. Serial No. 448,836. PUBLISHED MAY 26, 1942. Class 42.

397,462. PAPER PRODUCTS—NAMELY, PAPERS FOR MAKING BAGS AND WRAPPING PAPERS. BROWN COMPANY, Berlin, N. H.
Filed November 25, 1941. Serial No. 448,898. PUBLISHED JUNE 30, 1942. Class 37.

397,463. PERFUMES, TOILET WATERS, ROUGES, LIPSTICKS, FACE CREAMS AND FACE POWDERS, AND BODY DUSTING POWDERS. PARFUMS SCHIAPARELLI, INC., New York, N. Y.
Filed November 29, 1941. Serial No. 449,065. PUBLISHED JUNE 23, 1942. Class 6.

397,464. REFRIGERATING MACHINES, AIR-COOLERS FOR REFRIGERATION EQUIPMENT, ICE-MAKING AND ICE-BRIQUETTING MACHINES, ETC. THE VILTER MANUFACTURING COMPANY, Milwaukee, Wis.
Filed December 1, 1941. Serial No. 449,087. PUBLISHED JUNE 30, 1942. Class 31.

397,465. MEN'S HATS. MEN'S HATS, INC., Baltimore, Md.
Filed December 4, 1941. Serial No. 449,187. PUBLISHED JUNE 9, 1942. Class 39.

397,466. YARN WINDING MACHINERY. FOSTER MACHINE CO., Westfield, Mass.
Filed December 5, 1941. Serial No. 449,205. PUBLISHED JUNE 30, 1942. Class 23.

397,467. TEXTILE FABRICS IN THE PIECE, OF COTTON, ACETATE, RAYON, AND COMBINATIONS THEREOF. FRENCH FABRICS CORPORATION, New York, N. Y.
Filed December 9, 1941. Serial No. 449,318. PUBLISHED JUNE 9, 1942. Class 42.

397,468. STAMP PADS, STAMP PAD MOISTENER PREPARATION, AND STAMP PAD INK FOR MARKING THE SILVER OR OTHER REFLECTING FILMS ON THE BACKS OF MIRRORS. PEACOCK LABORATORIES, INC., Philadelphia, Pa.
Filed December 11, 1941. Serial No. 449,391. PUBLISHED JUNE 30, 1942. Class 11.

397,469. MACHINE HEM-STITCHED TEXTILE MOTIFS FOR USE IN CROCHETING AND OTHER FANCY WORK. B. KUGEL COMPANY, INC., New York, N. Y.
Filed December 12, 1941. Serial No. 449,425. PUBLISHED JUNE 30, 1942. Class 40.

397,470. CAPSULES OR LIQUID CONTAINING A PLURALITY OF VITAMINS A, B_1, B_2, D, C, B_6, PANTOTHENIC ACID AND NICOTINIC ACID. MCKESSON & ROBBINS, INC., New York, N. Y.
Filed December 13, 1941. Serial No. 449,462. PUBLISHED FEBRUARY 17, 1942. Class 6.

397,471. COMBINED CABINETS AND SINKS. AUBURN CENTRAL MANUFACTURING CORPORATION, Connersville, Ind.
Filed December 17, 1941. Serial No. 449,538. PUBLISHED JUNE 30, 1942. Class 13.

397,472. CANNED FISH. THE H & H GROCERY CO., Baltimore, Md.
Filed December 22, 1941. Serial No. 449,685. PUBLISHED JUNE 30, 1942. Class 46.

397,473. CANNING MACHINERY—NAMELY, SPINACH WASHER, SPINACH SAND REMOVER, SPINACH BLANCHER, ETC. A. K. ROBINS & CO., INC., Baltimore, Md.
Filed December 22, 1941. Serial No. 449,702. PUBLISHED JUNE 30, 1942. Class 23.

397,474. TEXTILE FABRICS IN THE PIECE, OF SILK, COTTON, RAYON, AND COMBINATIONS THEREOF. SHIRLEY SILK CO., INC., New York, N. Y.
Filed December 27, 1941. Serial No. 449,811. PUBLISHED JUNE 2, 1942. Class 42.

397,475. STOCKINETTES, POLISHING CLOTH, FLEECE CLOTH, AND FLEECE GLOVE CLOTH ALL IN THE PIECE. TRENTON MILLS, INC., Trenton, Tenn.
Filed December 31, 1941. Serial No. 449,929. PUBLISHED MAY 26, 1942. Class 42.

397,476. STEEL DERRICKS, SUBSTRUCTURES FOR STEEL DERRICKS, DRAWWORKS, POWER RIGS, CUSTOM BUILT POWER UNITS, ETC. EMSCO DERRICK & EQUIPMENT COMPANY, Los Angeles, Calif.
Filed January 2, 1942. Serial No. 449,963. PUBLISHED JUNE 30, 1942. Class 23.

397,477. FEEDS FOR CARNIVOROUS ANIMALS. KELLOGG COMPANY, Battle Creek, Mich.
Filed January 5, 1942. Serial No. 449,993. PUBLISHED JUNE 30, 1942. Class 46.

397,478. FEEDS FOR CARNIVOROUS ANIMALS. KELLOGG COMPANY, Battle Creek, Mich.
Filed January 5, 1942. Serial No. 449,994. PUBLISHED JUNE 30, 1942. Class 46.

397,479. NETS AND NETTING USED IN FISHING (BEING UNFINISHED GOODS). THE LINEN THREAD CO., INC., New York, N. Y.
Filed January 12, 1942. Serial No. 450,164. PUBLISHED JUNE 23, 1942. Class 42.

397,480. NICKEL-CHROMIUM AND CHROMIUM ALLOY WIRES USED IN THE MAKING OF SPRAY METAL COATINGS. METALLIZING ENGINEERING COMPANY, INC., Long Island City, N. Y.
Filed January 13, 1942. Serial No. 450,182. PUBLISHED JUNE 30, 1942. Class 14.

397,481. SYNTHETIC RESINOUS COATING FOR MACHINERY IN THE NATURE OF AN ENAMEL THEREFOR. TRUSCON LABORATORIES, INC., Detroit, Mich.
Filed January 16, 1942. Serial No. 450,266. PUBLISHED JUNE 30, 1942. Class 16.

397,482. BLANKETS—NAMELY, COTTON AND WOOL BLANKETS, ALL WOOL BLANKETS, KNITTED BLANKETS, AND WOVEN BLANKETS. HORNER WOOLEN MILLS COMPANY, Eaton Rapids, Mich.
Filed January 17, 1942. Serial No. 450,278. PUBLISHED JUNE 2, 1942. Class 42.

397,483. MEN'S AND BOYS' SHIRTS, SWEATERS, BATHING SHORTS, NECKTIES, JACKETS, SPORT COATS, TROUSERS, LEATHER SHOES, BELTS FOR SUPPORTING GARMENTS, AND HATS; AND LADIES' AND MISSES' SPORT COATS, JACKETS, AND SLACK SUITS. WICKBURY LTD., New York, N. Y.
Filed January 17, 1942. Serial No. 450,296. PUBLISHED JUNE 16, 1942. Class 39.

397,484. HAND SCREW-DRIVERS. LOUIS IRVING ALBERT, New York, N. Y.
Filed January 23, 1942. Serial No. 450,410. PUBLISHED JUNE 23, 1942. Class 23.

397,485. SKIN LINIMENT. SCOTT & BOWNE, Bloomfield, N. J.
Filed January 28, 1942. Serial No. 450,552. PUBLISHED JUNE 30, 1942. Class 6.

397,486. COUGH REMEDY. SCOTT & BOWNE, Bloomfield, N. J.
Filed January 28, 1942. Serial No. 450,553. PUBLISHED JUNE 30, 1942. Class 6.

397,487. SKIN OINTMENT. SCOTT & BOWNE, Bloomfield, N. J.
Filed January 28, 1942. Serial No. 450,554. PUBLISHED JUNE 30, 1942. Class 6.

397,488. SILK, RAYON, AND COTTON FABRICS AND MIXTURES THEREOF, IN THE PIECE. THE DUPLAN CORPORATION, New York, N. Y.
Filed January 31, 1942. Serial No. 450,623. PUBLISHED JUNE 2, 1942. Class 42.

397,489. GRAPEFRUIT JUICE FOR FOOD PURPOSES. QUALITY PRODUCTS, INC., La Feria, Tex.
Filed January 31, 1942. Serial No. 450,632. PUBLISHED JUNE 30, 1942. Class 46.

397,490. TAILORED AND RUFFLED CURTAINS MADE OF CELANESE YARN. SAM LICHTENBERG, INC., New York, N. Y.
Filed February 2, 1942. Serial No. 450,650. PUBLISHED APRIL 28, 1942. Class 42.

397,491. PIECE GOODS COMPOSED WHOLLY OR IN PART OF SILK, WOOL, RAYON, COTTON, CHINA GRASS, HAIR, HEMP, FLAX, JUTE, ALPHA FIBRE, ALOE FIBRE, VEGETABLE FIBRE, OR MIXTURES THEREOF. BIANCHINI FERIER, INC., New York, N. Y.
Filed February 28, 1942. Serial No. 451,284. PUBLISHED MAY 26, 1942. Class 42.

397,492. PIECE GOODS COMPOSED WHOLLY OR IN PART OF SILK, WOOL, RAYON, COTTON, CHINA GRASS, HAIR, HEMP, FLAX, JUTE, ALPHA FIBRE, ALOE FIBRE, VEGETABLE FIBRE, OR MIXTURES THEREOF. BIANCHINI FERIER, INC., New York, N. Y.
Filed February 28, 1942. Serial No. 451,285. PUBLISHED MAY 26, 1942. Class 42.

397,493. PIECE GOODS OF COTTON, RAYON, SILK, AND WOOLEN PIECE GOODS AND COMBINATIONS THEREOF. BREUER-SILBERBERG CORPORATION, New York, N. Y.
Filed February 28, 1942. Serial No. 451,287. PUBLISHED JUNE 16, 1942. Class 42.

397,494. WOVEN TEXTILE FABRICS IN THE PIECE OF ACETATE RAYON AND OTHER SYNTHETIC YARNS. CAMEO FABRICS, New York, N. Y.
Filed February 28, 1942. Serial No. 451,289. PUBLISHED JUNE 30, 1942. Class 42.

397,495. WOVEN TEXTILE FABRICS IN THE PIECE CONTAINING ACETATE, SPUN RAYON, AND SYNTHETIC YARNS, OR MIXTURES THEREOF. CAMEO FABRICS, New York, N. Y.
Filed February 28, 1942. Serial No. 451,290. PUBLISHED JUNE 9, 1942. Class 42.

397,496. SPREAD FOR BREAD, CRACKERS, COOKIES, AND THE LIKE COMPOSED OF CRYSTALLIZED HONEY, SALT, AND CERTIFIED FOOD COLORING. RED FARM PROUDCTS, Glenview, Ill.
Filed February 28, 1942. Serial No. 451,322. PUBLISHED JUNE 30, 1942. Class 46.

397,497. COTTON WADDING. THE STEARNS & FOSTER COMPANY, Lockland, Ohio.
Filed March 2, 1942. Serial No. 451,351. PUBLISHED JUNE 30, 1942. Class 1.

397,498. PAJAMAS. STEINER-GEISS, INCORPORATED, Freehold, N. J.
Filed March 3, 1942. Serial No. 451,369. PUBLISHED JUNE 16, 1942. Class 39.

397,499. GLASS ASH TRAYS. F. A. JOSEPH, doing business as Safex Company, New York, N. Y.
Filed March 5, 1942. Serial No. 451,414. PUBLISHED JUNE 30, 1942. Class 8.

397,500. UPHOLSTERY AND DRAPERY TEXTILE PIECE GOODS OF COTTON, RAYON, AND MOHAIR. BELLA AND COMPANY, New York, N. Y.
Filed March 6, 1942. Serial No. 451,435. PUBLISHED JUNE 30, 1942. Class 42.

397,501. POWDERED CEMENT. ASH GROVE LIME & PORTLAND CEMENT COMPANY, Kansas City, Mo.
Filed March 9, 1942. Serial No. 451,483. PUBLISHED JUNE 30, 1942. Class 12.

397,502. HOUSE SLIPPERS FORMED OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed March 9, 1942. Serial No. 451,508. PUBLISHED JUNE 2, 1942. Class 39.

397,503. WOMEN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. THE L. V. MARKS & SONS COMPANY, Cincinnati, Ohio.
Filed March 12, 1942. Serial No. 451,575. PUBLISHED JUNE 16, 1942. Class 39.

397,504. DOUBLE WOVEN COTTON PIECE GOODS FOR GLOVES. PICARDY MILLS, INC., Brooklyn, N. Y.
Filed March 17, 1942. Serial No. 451,688. PUBLISHED JUNE 30, 1942. Class 42.

397,505. SOLVENT, DETERGENT PREPARATION FOR REMOVING GREASE, GRIME, OIL, AND THE LIKE FROM THE HANDS AND THE SKIN AND HAVING ALSO ANTISEPTIC PROPERTIES, WHICH IS AN AID IN THE PREVENTION OF INFECTION AND DERMATITIS. THE EXCELSIOR VARNISH WORKS, INC., Cleveland, Ohio.
Filed March 19, 1942. Serial No. 451,743. PUBLISHED JUNE 30, 1942. Class 4.

397,506. YARN. SPINNERIN YARN CO. INC., New York, N. Y.
Filed March 20, 1942. Serial No. 451,783. PUBLISHED JUNE 16, 1942. Class 43.

397,507. BOOTS AND SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. MUSEBECK SHOE COMPANY, Danville, Ill.
Filed March 21, 1942. Serial No. 451,824. PUBLISHED JUNE 16, 1942. Class 39.

397,508. PREPARATION CONTAINING THE VITAMIN B COMPLEX AND VITAMIN C USED IN TREATMENT OF CERTAIN VITAMIN DEFICIENCIES, ETC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed March 23, 1942. Serial No. 451,853. PUBLISHED JUNE 30, 1942. Class 6.

397,509. MULTIPLE VITAMIN PREPARATION USED IN TREATMENT OF VITAMIN DEFICIENCIES, ETC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed March 23, 1942. Serial No. 451,854. PUBLISHED JUNE 30, 1942. Class 6.

397,510. PREPARATION CONTAINING AN IRON SALT AND DESICCATED FRESH WHOLE BILE USED IN TREATMENT OF SECONDARY ANEMIA, ETC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed March 23, 1942. Serial No. 451,855. PUBLISHED JUNE 30, 1942. Class 6.

397,511. PREPARATION CONTAINING AN ORAL BACTERIAL VACCINE USED IN PREVENTION OF UPPER RESPIRATORY INFECTIONS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed March 23, 1942. Serial No. 451,856. PUBLISHED JUNE 30, 1942. Class 6.

397,512. DRILLS FOR DRILLING IN METAL. ATLAS HARDWARE CORP., New York, N. Y.
Filed March 24, 1942. Serial No. 451,866. PUBLISHED JUNE 16, 1942. Class 23.

397,513. SHEETS AND PILLOW CASES. DEERING MILLIKEN & CO. INC., New York, N. Y.
Filed March 25, 1942. Serial No. 451,891. PUBLISHED JUNE 23, 1942. Class 42.

397,514. WOMEN'S DRESSES. MARIE EILEEN SMITH, New York, N. Y.
Filed March 26, 1942. Serial No. 451,919. PUBLISHED JUNE 16, 1942. Class 39.

397,515. CHEMICAL COMPOUNDS, COMPOSITIONS, AND PREPARATIONS FOR USE IN FOUNDRY AND CASTING WORK, INCLUDING SO-CALLED DE-GASSERS, OXIDIZERS, PURIFIERS, ETC. FOUNDRY SERVICES, INC., New York, N. Y.
Filed March 28, 1942. Serial No. 451,972. PUBLISHED JUNE 23, 1942. Class 6.

397,516. GILSONITE PAINT, CARBON ELASTIC PAINT, STACK AND BOILER PAINT, LIGHT CREOSOTE OIL USED PRIMARILY AS A PAINT AND STAIN SOLVENT, ETC. AMERICAN TAR COMPANY, Seattle and Spokane, Wash.
Filed March 30, 1942. Serial No. 451,998. PUBLISHED JUNE 30, 1942. Class 16.

397,517. ANIMAL STEROL IN EDIBLE POWDERED FORM FOR USE IN POULTRY AND ANIMAL FEEDS. ULTRA-LIFE LABORATORIES, INC., East St. Louis, Ill.
Filed April 2, 1942. Serial No. 452,113. PUBLISHED JUNE 23, 1942. Class 6.

397,518. MEN'S NECKWEAR—NAMELY, TIES. WILSON BROTHERS, Chicago, Ill.
Filed April 2, 1942. Serial No. 452,117. PUBLISHED JUNE 2, 1942. Class 39.

397,519. LAUNDRY BAGS WHICH ARE BOTH SOLD AND LEASED (IN EMPTY CONDITION) IN INTERSTATE TRADE. "INTHEBAG" LAUNDRY SALES CO., New Orleans, La.
Filed April 3, 1942. Serial No. 452,128. PUBLISHED JUNE 30, 1942. Class 2.

397,520. GIRLS', JUNIORS', AND MISSES' COATS, SUITS, SKIRTS, DRESSES, BLOUSES, JACKETS, COAT AND SUIT ENSEMBLES, AND DRESS AND JACKET ENSEMBLES. LIDO SPORTSWEAR, INC., New York, N. Y.
Filed April 3, 1942. Serial No. 452,130. PUBLISHED JUNE 16, 1942. Class 39.

397,521. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, AND COMBINATIONS THEREOF. PHILTEX FABRICS, INC., New York, N. Y.
Filed April 3, 1942. Serial No. 452,132. PUBLISHED JUNE 23, 1942. Class 42.

397,522. CHAIRS, DESKS, TABLES, CHESTS, AND CABINETS. SAUGATUCK-DOUGLAS ARTS & CRAFTS COMPANY, Detroit, Mich.
Filed April 3, 1942. Serial No. 452,135. PUBLISHED JUNE 30, 1942. Class 32.

397,523. MANUALLY OPERATED CARPET SWEEPERS. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich.
Filed April 6, 1942. Serial No. 452,158. PUBLISHED JUNE 16, 1942. Class 23.

397,524. TEXTILE FABRICS IN THE PIECE OF SILK, RAYON, COTTON, AND LINEN, AND COMBINATIONS THEREOF. DAVID CRYSTAL INC., New York, N. Y.
Filed April 6, 1942. Serial No. 452,162. PUBLISHED JUNE 23, 1942. Class 42.

397,525. MALT. RAHR MALTING CO., Manitowoc, Wis.
Filed April 6, 1942. Serial No. 452,172. PUBLISHED JUNE 30, 1942. Class 46.

397,526. TABLE CLOTHS, CARD TABLE COVERS, SCARFS, DOILIES, TOWELS AND TOWELING, SHEETS, AND PILLOW CASES. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed April 7, 1942. Serial No. 452,203. PUBLISHED JUNE 23, 1942. Class 42.

397,527. MEN'S AND YOUNG MEN'S OUTER SHIRTS AND NECKTIES SOLD IN ENSEMBLE SETS AND SEPARATELY. TRUVAL MANUFACTURERS, INC., New York, N. Y.
Filed April 7, 1942. Serial No. 452,206. PUBLISHED JUNE 16, 1942. Class 39.

397,528. MEN'S SUITS AND OVERCOATS. MAX ROSENFELD, Brooklyn, N. Y.
Filed April 8, 1942. Serial No. 452,226. PUBLISHED JUNE 23, 1942. Class 39.

397,529. SHEET PACKING AND GASKET MATERIAL COMPRISING A FIBER BASE SHEET COATED WITH A COMPRESSIBLE SEALING MATERIAL AND SHEET GASKETS CUT FROM SUCH SHEET PACKING MATERIAL. WOLVERINE FABRICATING & MFG. CO., INC., Detroit, Mich.
Filed April 8, 1942. Serial No. 452,231. PUBLISHED JUNE 30, 1942. Class 35.

397,530. CARTONS HAVING AN INNER IMPERMEABLE BAG OR LINER. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass.
Filed April 10, 1942. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 452,260. PUBLISHED JUNE 30, 1942. Class 2.

397,531. LADIES' COATS AND SUITS MADE OF ALL WOOL FABRIC. ROTHMOOR CORPORATION, Chicago, Ill.
Filed April 8, 1942. Serial No. 452,228. PUBLISHED JUNE 16, 1942. Class 39.

397,532. MEN'S, WOMEN'S, AND CHILDREN'S ARTICLES OF APPAREL—NAMELY, BELTS, HELMETS, CHAPS, AND PUTTEES, ALL MADE OF LEATHER. TEXAS TANNING & MANUFACTURING COMPANY, Yoakum, Tex.
Filed April 8, 1942. Serial No. 452,230. PUBLISHED JUNE 2, 1942. Class 39.

397,533. WOMEN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. SAKS & COMPANY, New York, N. Y.
Filed April 10, 1942. Serial No. 452,277. PUBLISHED JUNE 16, 1942. Class 39.

397,534. MOTHPROOFING PREPARATION. ELBERT H. PRATT, doing business as Arzone Products Co., Chicago, Ill.
Filed April 11, 1942. Serial No. 452,292. PUBLISHED JUNE 30, 1942. Class 6.

397,535. VEGETABLE AND FLOWER SEEDS. HYGRADE SEED COMPANY, INC., Fredonia, N. Y.
Filed April 15, 1942. Serial No. 452,353. PUBLISHED JUNE 30, 1942. Class 1.

397,536. COATS FOR WOMEN, MISSES, AND CHILDREN. NEW YORK GIRL COAT CO., INC., New York, N. Y.
Filed April 15, 1942. Serial No. 452,362. PUBLISHED JUNE 16, 1942. Class 39.

397,537. MEN'S AND WOMEN'S OUTER SHIRTS, SLACKS, RIDING BREECHES, AND JACKETS. SAMUEL SLATE, doing business as Bardon of Hollywood, Los Angeles, Calif.
Filed April 15, 1942. Serial No. 452,364. PUBLISHED JUNE 30, 1942. Class 39.

397,538. SILK, SATIN, RAYON, AND COTTON FABRICS, AND MIXTURES THEREOF, IN THE PIECE. WULLSCHLEGER & CO., New York, N. Y.
Filed April 16, 1942. Serial No. 452,383. PUBLISHED JUNE 30, 1942. Class 42.

397,539. MEN'S HOSIERY, SPORTS SHIRTS, CUT AND SEWN SHORTS, SWIM TRUNKS AND SWEATERS. THE ATLAS UNDERWEAR COMPANY, Piqua, Ohio.
Filed April 17, 1942. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 452,385. PUBLISHED JUNE 16, 1942. Class 39.

397,540. WOMEN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. COBBLERS, INC., Los Angeles, Calif.
Filed April 17, 1942. Serial No. 452,386. PUBLISHED JUNE 16, 1942. Class 39.

397,541. EXTRUDED PLASTIC TUBING FOR ELECTRICAL INSULATION. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J.
Filed April 17, 1942. Serial No. 452,398. PUBLISHED JUNE 30, 1942. Class 21.

397,542. EXTRUDED PLASTIC TUBING FOR ELECTRICAL INSULATION. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J.
Filed April 17, 1942. Serial No. 452,399. PUBLISHED JUNE 30, 1942. Class 21.

397,543. MOTION PICTURES AND MOTION PICTURE FILMS, WHICH HAVE RECORDS OF SOUND, WORDS AND/OR MUSIC THEREON, ETC. REPUBLIC PICTURES CORPORATION, New York, N. Y.
Filed April 17, 1942. Serial No. 452,404. PUBLISHED JUNE 30, 1942. Class 26.

397,544. WOMEN'S, LADIES', AND MISSES' SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. ROSENTHAL & DOUCETTE, INC., Beverly, Mass., and New York, N. Y.
Filed April 18, 1942. Serial No. 452,434. PUBLISHED JUNE 23, 1942. Class 39.

397,545. PERFUMES, TOILET WATERS, COLOGNES, BATH OILS, BATH POWDERS, TALCUM POWDERS, FACE POWDERS, BATH SALTS, ROUGE, LIPSTICKS, FACE CREAMS, AND HAND CREAMS. D'ORSAY SALES CORPORATION, New York, N. Y.
Filed April 21, 1942. Serial No. 452,467. PUBLISHED JUNE 30, 1942. Class 6.

397,546. MISTLETOE-PHENOBARBITAL PREPARATION ENRICHED WITH CHOLINE FOR HYPERTENSION AND LOCAL VASOSPASMS. ARNOLD PALM, M. D., doing business as Palm Pharmacal Co., New York, N. Y.
Filed April 21, 1942. Serial No. 452,483. PUBLISHED JUNE 16, 1942. Class 6.

397,547. LADIES' RAINCOATS. SPATZ BROS., INC., New York, N. Y.
Filed April 21, 1942. Serial No. 452,486. PUBLISHED JUNE 16, 1942. Class 39.

397,548. SCARFS FOR MEN AND LADIES, COLLARS FOR LADIES' DRESSES, JERKINS, AND DICKEYS. TOBY, New York, N. Y.
Filed April 21, 1942. Serial No. 452,487. PUBLISHED JUNE 23, 1942. Class 39.

397,549. MACHINE THAT MIXES MOLASSES INTO DAIRY AND HOG FEEDS. BROWER MANUFACTURING CO., Quincy, Ill.
Filed April 23, 1942. Serial No. 452,520. PUBLISHED JUNE 30, 1942. Class 23.

397,550. COMBS. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed April 23, 1942. Serial No. 452,539. PUBLISHED JUNE 23, 1942. Class 40.

397,551. NON-ALCOHOLIC GRAPEFRUIT DRINK AND BASES AND SIRUPS AND EXTRACTS FOR MAKING SAME. THE SQUIRT COMPANY, Beverly Hills, Calif.
Filed April 23, 1942. Serial No. 452,541. PUBLISHED JUNE 30, 1942. Class 45.

397,552. RAZOR BLADES. PLEE-ZING, INC., doing business as Household Products Co., Chicago, Ill., assignor to Household Products Co., a corporation of Illinois.
Filed April 24, 1942. Serial No. 452,566. PUBLISHED JUNE 16, 1942. Class 23.

397,553. FOUNTAIN PENS AND PENCILS. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa.
Filed April 25, 1942. Serial No. 452,588. PUBLISHED JUNE 30, 1942. Class 37.

397,554. VINEGAR. AMERICAN INDUSTRIES CORPORATION, San Francisco, Calif.
Filed April 27, 1942. Serial No. 452,595. PUBLISHED JUNE 30, 1942. Class 46.

397,555. FRESH CITRUS FRUITS. HILLSBOROUGH PACKING COMPANY, INC., Tampa, Fla.
Filed April 27, 1942. Serial No. 452,612. PUBLISHED JUNE 23, 1942. Class 46.

397,556. FINISHED AND PARTLY FINISHED PREPARED LEATHERS. PEARCE & FRIEDMAN INC., New York, N. Y.
Filed April 27, 1942. Serial No. 452,619. PUBLISHED JUNE 30, 1942. Class 1.

397,557. WOOD PULP. RAYONIER, INCORPORATED, San Francisco, Calif.
Filed April 27, 1942. Serial No. 452,622. PUBLISHED JUNE 30, 1942. Class 1.

397,558. CANNED OLIVE OIL. UDDO & TAORMINA COMPANY, Brooklyn, N. Y.
Filed April 27, 1942. Serial No. 452,626. PUBLISHED JUNE 30, 1942. Class 46.

397,559. EDIBLE PEANUT OIL. ANTONIO CORRAO, doing business as Universal Salad Oil Co., Brooklyn, N. Y.
Filed April 28, 1942. Serial No. 452,638. PUBLISHED JUNE 30, 1942. Class 46.

397,560. CANNED TOMATOES. ALBERT W. SISK & SON, Preston, Md.
Filed April 28, 1942. Serial No. 452,657. PUBLISHED JUNE 30, 1942. Class 46.

397,561. ALL RAYON ART NEEDLEWORK YARNS FOR CROCHETING AND KNITTING PURPOSES. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed April 28, 1942. Serial No. 452,660. PUBLISHED JUNE 23, 1942. Class 43.

397,562. ART NEEDLEWORK YARNS. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed April 28, 1942. Serial No. 452,661. PUBLISHED JUNE 23, 1942. Class 43.

397,563. CARBURETORS AND FUEL PUMPS FOR AUTOMOBILES. WINDSOR-LLOYD PRODUCTS, INC., Wilmington, Del.
Filed April 28, 1942. Serial No. 452,662. PUBLISHED JUNE 30, 1942. Class 23.

397,564. HAIR NETS. FRENCH VEILING CORP., New York, N. Y.
Filed April 29, 1942. Serial No. 452,668. PUBLISHED JUNE 30, 1942. Class 39.

397,565. LADIES' SHOES OF LEATHER AND FABRIC, AND/OR COMBINATIONS OF SAME. NARJOS, INC., Boston, Mass.
Filed April 29, 1942. Serial No. 452,677. PUBLISHED JUNE 23, 1942. Class 39.

397,566. JEWELRY FOR PERSONAL WEAR AND ADORNMENT, NOT INCLUDING WATCHES. L. G. BALFOUR COMPANY, Attleboro, Mass.
Filed April 30, 1942. Serial No. 452,683. PUBLISHED JUNE 30, 1942. Class 28.

397,567. LEATHER SWEATBANDS FOR HATS AND CAPS. HERMAN BARZ, New York, N. Y.
Filed April 30, 1942. Serial No. 452,684. PUBLISHED JUNE 23, 1942. Class 39.

397,568. TOILET WATER, PERFUME, TALCUM POWDER, FACE POWDER, BATH POWDER, AND BUBBLE FOAM POWDER. HOUSE OF TRE-JUR, INC., New York, N. Y.
Filed May 1, 1942. Serial No. 452,726. PUBLISHED JUNE 23, 1942. Class 6.

397,569. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, ETC. COTY, INC., New York, N. Y.
Filed May 2, 1942. Serial No. 452,743. PUBLISHED JUNE 30, 1942. Class 6.

397,570. BOWLING SCORE SHEET TABLES. THE DUPLI-SCORE, INC., St. Paul, Minn.
Filed May 2, 1942. Serial No. 452,745. PUBLISHED JUNE 30, 1942. Class 32.

397,571. HYDROCARBON POLYMERS AND OTHER HEAVY OR VISCOUS MINERAL OIL PRODUCTS FOR USE IN THE INDUSTRIAL ARTS. THE PURE OIL COMPANY, Chicago, Ill.
Filed May 2, 1942. Serial No. 452,754. PUBLISHED JUNE 30, 1942. Class 6.

397,572. HORMONE COMPOSITIONS. WALLACE & TIERNAN PRODUCTS INCORPORATED, Belleville, N. J.
Filed May 2, 1942. Serial No. 452,757. PUBLISHED JUNE 23, 1942. Class 6.

397,573. WOMEN'S WEAR—NAMELY, BLOUSES, SHIRTWAISTS, PANTIES, AND COMBINATIONS THEREOF. EASTERN ISLES IMPORTING CO., INC., New York, N. Y.
Filed May 4, 1942. Serial No. 452,767. PUBLISHED JUNE 30, 1942. Class 39.

397,574. PLAYING CARDS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed May 4, 1942. Serial No. 452,769. PUBLISHED JUNE 30, 1942. Class 22.

397,575. SPRAY FOR APPLE AND OTHER FRUIT TREES. BARRETT FISHER, doing business as Westville Laboratories, New Haven, Conn.
Filed May 4, 1942. Serial No. 452,770. PUBLISHED JUNE 30, 1942. Class 6.

397,576. SUN TAN LIQUID CREAM ALSO USED FOR PROTECTING THE SKIN FROM THE SUN'S RAYS AND THE WEATHER. JANTZEN KNITTING MILLS, Portland, Oreg.
Filed May 4, 1942. Serial No. 452,777. PUBLISHED JUNE 30, 1942. Class 6.

397,577. POISONED RAISIN AND BARLEY MIXTURE FOR THE CONTROL OF GOPHERS, PRAIRIE RATS, SQUIRRELS, AND MICE. BESSIE G. O'NEILL, doing business as Southwest Chemical Co., Eagle Rock, Calif.
Filed May 4, 1942. Serial No. 452,783. PUBLISHED JUNE 30, 1942. Class 6.

397,578. ENZYME PREPARATION FOR USE AS A PHARMACEUTICAL—NAMELY, A DIGESTIVE ENZYME. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed May 4, 1942. Serial No. 452,791. PUBLISHED JUNE 30, 1942. Class 6.

397,579. NUTRITIVE SOLUTION FOR INJECTION IN PATIENTS WHO ARE NOT RECEIVING PROPER NOURISHMENT ORALLY, AND AS A TRANSFUSION. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed May 4, 1942. Serial No. 452,792. PUBLISHED JUNE 30, 1942. Class 6.

397,580. MEN'S AND BOYS' PANTS, SUITS, TOPCOATS, AND OVERCOATS. MAX HAWTOF, Philadelphia, Pa.
Filed May 5, 1942. Serial No. 452,805. PUBLISHED JUNE 30, 1942. Class 39.

397,581. MEDICINAL COMPOUNDS OF MULTIPLE VITAMIN FACTORS. LEX LABORATORIES, INC., Flushing, N. Y.
Filed May 6, 1942. Serial No. 452,831. PUBLISHED JUNE 30, 1942. Class 6.

397,582. MEDICINAL COMPOUNDS OF MULTIPLE VITAMIN FACTORS. QUEENS VITAMIN PRODUCTS, INC., Flushing, N. Y.
Filed May 6, 1942. Serial No. 452,837. PUBLISHED JUNE 30, 1942. Class 6.

397,583. INNERCOIL AND INNERSPRING BED MATTRESSES. KOBACKER STORES, INC., TIEDTKE DIVISION, Toledo, Ohio.
Filed May 7, 1942. Serial No. 452,860. PUBLISHED JUNE 30, 1942. Class 32.

397,584. PERMANENT WAVING CURLING AGENT. NATIONAL MINERAL COMPANY, Chicago, Ill.
Filed May 7, 1942. Serial No. 452,863. PUBLISHED JUNE 30, 1942. Class 6.

397,585. PERFUMES, TOILET WATERS, ROUGES, LIPSTICKS, FACE CREAM, FACE POWDERS, AND DUSTING POWDERS. PARFUMS SCHIAPARELLI, INC., New York, N. Y.
Filed May 7, 1942. Serial No. 452,869. PUBLISHED JUNE 30, 1942. Class 6.

397,586. CANNED DEHYDRATED CRANBERRY FLAKES. CRANBERRY CANNERS, INC., Hanson, Mass. Filed May 8, 1942. Serial No. 452,883. PUBLISHED JUNE 30, 1942. Class 46.

397,587. KEY CASES. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 8, 1942. Serial No. 452,884. PUBLISHED JUNE 30, 1942. Class 3.

397,588. COLD, COUGH, LUNG, AND BRONCHIAL MEDICINES, LAXATIVES AND CATHARTICS, ETC. FOLEY & COMPANY, Chicago, Ill. Filed May 8, 1942. Serial No. 452,888. PUBLISHED JUNE 30, 1942. Class 6.

397,589. PHARMACEUTICAL PREPARATION USED IN THE TREATMENT OF HEMORRHOIDS. FRANKLIN LABORATORIES, INC., Hackettstown, N. J. Filed May 8, 1942. Serial No. 452,890. PUBLISHED JUNE 30, 1942. Class 6.

397,590. HYPODERMIC SYRINGES. S. WILLIAM BLACKMAN, doing business as National Syringe & Glass Products Co., New York, N. Y. Filed May 9, 1942. Serial No. 452,900. PUBLISHED JUNE 30, 1942. Class 44.

397,591. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, LIPSTICKS, AND ROUGE. ELIZABETH KENT, INC., New York, N. Y. Filed May 9, 1942. Serial No. 452,909. PUBLISHED JUNE 30, 1942. Class 6.

397,592. LADIES' UNDERWEAR—NAMELY, LADIES' SLIPS. SAMETTE MANUFACTURING COMPANY, Allentown, Pa. Filed May 11, 1942. Serial No. 452,938. PUBLISHED JUNE 30, 1942. Class 39.

397,593. TEXTILE FABRICS IN THE PIECE OF SILK, RAYON, COTTON, AND LINEN AND COMBINATIONS THEREOF. DAVID CRYSTAL INC., New York, N. Y. Filed March 30, 1942. Serial No. 452,008. PUBLISHED JUNE 23, 1942. Class 42.

397,594. LATHES, PLANERS, SLOTTERS, BORING MILLS, WHEEL LATHES, CAR-WHEEL BORERS, AXLE LATHES, TRAVERSE SHAPERS, ETC. GENERAL MACHINERY CORPORATION, Hamilton, Ohio. Filed March 30, 1942. Serial No. 452,013. PUBLISHED JUNE 16, 1942. Class 23.

397,595. COFFEE CREAM DISPENSERS HAVING MECHANICAL MEANS FOR MEASURING AND DISPENSING AN INDIVIDUAL SERVING OF COFFEE CREAM OF A PREDETERMINED AMOUNT. ROBERT M. RIGNEY, Alhambra, Calif. Filed March 30, 1942. Serial No. 452,026. PUBLISHED JUNE 16, 1942. Class 23.

397,596. SHADE CLOTH. INTERSTATE SHADE CLOTH COMPANY, Hoboken, N. J. Filed March 31, 1942. Serial No. 452,047. PUBLISHED JUNE 16, 1942. Class 42.

397,597. MEN'S HATS. YOUNG'S MERCHANDISING CORPORATION, New York, N. Y. Filed March 31, 1942. Serial No. 452,062. PUBLISHED JUNE 16, 1942. Class 39.

397,598. TEXTILE DIAPERS. ANN MANUFACTURING COMPANY, Granite Quarry, N. C. Filed April 1, 1942. Serial No. 452,065. PUBLISHED JUNE 2, 1942. Class 39.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

397,599. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SUPERIOR SPRAY MACHINE CO., New York, N. Y. Filed Oct. 6, 1939. Serial No. 424,279.

SPEEDSPRAYER

FOR INSECTICIDE SPRAYER.
Claims use since July 6, 1939.

397,600. (CLASS 39. CLOTHING.) STRAUS, ROYER & STRASS, INC., Baltimore, Md. Filed Oct. 17, 1940. Serial No. 437,050.

Sporting Greens

FOR WOMENS' AND MISSES' SLACKS, OVERALLS, PLAYSUITS, SHORTS, JACKETS, VESTS, SKIRTS, BLOUSES, AND SHIRTS, AND BOYS' SHORTS, SLACKS AND SHIRTS.
Claims use since July 25, 1940.

397,601. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEM PRODUCTS, INC., Milwaukee, Wis. Filed Oct. 25, 1940. Serial No. 437,278.

SPRUSOYL

FOR POLISH—NAMELY, POLISH FOR FURNITURE, FINISHED WOODWORK, AND SIMILAR SURFACES.
Claims use since Oct. 15, 1940.

397,602. (CLASS 39. CLOTHING.) IRWILL KNITWEAR CORP., New York, N. Y. Filed Jan. 3, 1941. Serial No. 439,390.

DESIGNED TO BE LIVED IN

FOR LADIES' AND MISSES' SWEATERS, PLAYSUITS, AND BATHING SUITS.
Claims use since Nov. 1, 1940.

397,603. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS S. GORTON, JR., doing business as Slade Gorton Company, Chicago, Ill. Filed Feb. 28, 1941. Serial No. 441,091.

SILVER SIDES

FOR CUT WHITING FILLETS.
Claims use since Sept. 24, 1940.

397,604. (CLASS 39. CLOTHING.) WEBSTER RUBBER COMPANY, Sabattus, Maine. Filed Mar. 20, 1941. Serial No. 441,755.

SEMI-GRIP

FOR SHOE SOLES.
Claims use since Oct. 15, 1940.

397,605. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE AMERICAN LAUNDRY MACHINERY COMPANY, Cincinnati, Ohio. Filed Mar. 27, 1941. Serial No. 441,989.

TILTOR

FOR COMMERCIAL LAUNDRY APPARATUS—NAMELY, SHIRT IRONING AND FINISHING APPARATUS.
Claims use since Apr. 4, 1940.

397,606. (CLASS 39. CLOTHING.) STYLE TRADES, INC., New York, N. Y. Filed Apr. 8, 1941. Serial No. 442,402.

NanTucket Naturals

FOR LADIES' WEARING APPAREL—NAMELY, LADIES' DRESSES, SUITS, COATS, SKIRTS, BLOUSES, PLAY SUITS, CULOTTES, SLACKS, SLACK SUITS, AND SHORTS.
Claims use since Mar. 4, 1941.

397,607. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SUBURBAN CLUB CARBONATED BEVERAGE CO., INC., Baltimore, Md. Filed Apr. 9, 1941. Serial No. 442,433.



FOR NON-ALCOHOLIC, MALTLESS BEVERAGE SOLD AT FOUNTAINS AND IN BOTTLES AS A SOFT DRINK.
Claims use since Mar. 10, 1941.

397,608. (CLASS 39. CLOTHING.) FLORENCE C. BARNARD, St. Paul, Minn. Filed Apr. 28, 1941. Serial No. 443,035.

HOSE-RE-TITES

FOR LADIES' AND CHILDREN'S CLOSE FITTING GARMENTS FOR COVERING THE LOWER PORTION OF THE BODY AND LEGS.
Claims use since Apr. 9, 1941.

397,609. (CLASS 39. CLOTHING.) MOHN BROTHERS COMPANY, Reading, Pa. Filed May 1, 1941. Serial No. 443,170.

Berkshire

FOR WOOL FELT HAT BODIES.
Claims use since 1932.

397,610. (CLASS 39. CLOTHING.) SAMUEL J. GOLDFARB, New York, N. Y. Filed May 7, 1941. Serial No. 443,327.

Suzan Sanford

FOR LADIES' AND CHILDREN'S DRESSES AND COATS.
Claims use since Apr. 15, 1941.

397,611. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE VITA-FOOD CORPORATION, Los Angeles, Calif. Filed May 15, 1941. Serial No. 443,620.

the Stuart formula

FOR VITAMIN CONCENTRATE.
Claims use since Apr. 5, 1941.

397,612. (CLASS 39. CLOTHING.) JOSEPH BURGER, New York, N. Y. Filed May 20, 1941. Serial No. 443,713.

BOXERAID

FOR BOXERS' SHOES MADE OF LEATHER OR FABRIC.
Claims use since Apr. 29, 1941.

397,613. (CLASS 39. CLOTHING.) BLUE SWAN MILLS, INC., New York, N. Y. Filed May 24, 1941. Serial No. 443,874.

SUEDETONE

FOR LADIES' AND CHILDREN'S UNDERWEAR.
Claims use since May 16, 1941.

397,614. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE WARNER BROTHERS COMPANY, Bridgeport, Conn. Filed May 31, 1941. Serial No. 444,108.

STRAP-AID

FOR ATTACHMENTS FOR SHOULDER STRAPS FOR UNDERGARMENTS, SOLD SEPARATE AND APART FROM SAID UNDERGARMENTS.
Claims use since Mar. 26, 1941.

397,615. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BENJAMIN LIEBOWITZ, doing business as Glasorb Pipe Bowl Company, New York, N. Y. Filed June 2, 1941. Serial No. 444,125.

KOOLGRIP

FOR POT HOLDERS—NAMELY, INSULATING MEANS FOR HANDLES AND GRIPS OF COOKING UTENSILS AND LABORATORY EQUIPMENT MADE OF FABRIC COMPRISING HEAT RESISTANT FILAMENTS.
Claims use since May 19, 1941.

397,616. (CLASS 39. CLOTHING.) ARNOLD, CONSTABLE & COMPANY, INCORPORATED, New York, N. Y. Filed June 13, 1941. Serial No. 444,485.

Frances Hodges

FOR LADIES' AND MISSES' HATS.
Claims use since March, 1941.

397,617. (CLASS 39. CLOTHING.) CHAS. CHIPMAN'S SONS CO., INC., New York, N. Y. Filed June 14, 1941. Serial No. 444,524.

FILM-WEAVE

FOR HOSIERY FOR MEN, WOMEN, AND CHILDREN.
Claims use since May 27, 1941.

397,618. (CLASS 39. CLOTHING.) CHAS. CHIPMAN'S SONS CO., INC., New York, N. Y. Filed June 14, 1941. Serial No. 444,525.

CREPON

FOR HOSIERY FOR MEN, WOMEN, AND CHILDREN.
Claims use since May 27, 1941.

397,619. (CLASS 39. CLOTHING.) THE L. V. MARKS & SONS COMPANY, Cincinnati, Ohio. Filed June 20, 1941. Serial No. 444,710.

RESILIEN-*tred* CONSTRUCTION

FOR WOMEN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since June 10, 1941.

397,620. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANNEMILLER COFFEE CO., doing business as Boston Tea Products, Brooklyn, N. Y. Filed June 27, 1941. Serial No. 444,898.

MINT-TEA

FOR MINT FLAVORED TEA.
Claims use since Nov. 15, 1940.

397,621. (CLASS 45. BEVERAGES, NONALCOHOLIC.) A. N. DILLEY, JR., doing business as Dilley's Beverages, Enid, Okla. Filed July 1, 1941. Serial No. 444,986.

Itsa Dilley

Dilley's

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND CONCENTRATES FOR MAKING THE SAME.
Claims use since June 26, 1941.

397,622. (CLASS 39. CLOTHING.) NORMANDIN BROS. CO., Los Angeles, Calif. Filed July 11, 1941. Serial No. 445,271.

SHOWEROBE

FOR MEN'S, GIRLS', AND BOYS', AND WOMEN'S ROBES.
Claims use since May 27, 1941.

397,623. (CLASS 39. CLOTHING.) JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed July 11, 1941. Serial No. 445,278.

NASSAU PALMS

FOR MEN'S HATS AND CAPS.
Claims use since July 7, 1941.

397,624. (CLASS 39. CLOTHING.) HORWITZ & DUBERMAN, New York, N. Y. Filed July 15, 1941. Serial No. 445,355.

American *Dirndl*

FOR WOMEN'S AND GIRLS' DRESSES, JACKETS, AND COATS MADE OF SILK, COTTON, WOOL, LINEN, WORSTED, RAYON, "CELANESE", AND ACETATE CLOTHS.
Claims use since May 2, 1941.

397,625. (CLASS 39. CLOTHING.) SHELBY MANUFACTURING COMPANY, Shelbyville, Ind. Filed July 16, 1941. Serial No. 445,397.

Jane Dee

FROCKS

FOR LADIES' DRESSES.
Claims use since June 23, 1941.

397,626. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FARMAC SALES, Los Angeles, Calif. Filed July 19, 1941. Serial No. 445,401.

Sauce-Kwik

FOR DEHYDRATED APPLES TO BE USED IN MAKING APPLESAUCE.
Claims use since July 3, 1941.

397,627. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STROOCK & CO., INC., New York, N. Y. Filed July 28, 1941. Serial No. 445,702.

AMERICA'S MOST

STROOCK

DISTINGUISHED WOOLENS

FOR WOOLEN PIECE GOODS.
Claims use since May 27, 1941.

397,628. (CLASS 39. CLOTHING.) WILSON BROTHERS, Chicago, Ill. Filed July 28, 1941. Serial No. 445,705.

Du Col

FOR MEN'S OUTER SHIRTS.
Claims use since July 14, 1941.

397,629. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELMO SALES CORPORATION, Philadelphia, Pa. Filed July 29, 1941. Serial No. 445,716.

SPECIAL NITE CREAM

FOR COLD CREAM.
Claims use since July 15, 1941.

397,630. (CLASS 39. CLOTHING.) WELLWORTHS BAZAARS (PROPRIETARY) LIMITED, Johannesburg, Transvaal, South Africa. Filed Aug. 6, 1941. Serial No. 446,034.

"EXCELLER"

FOR HOSIERY.
Claims use since June 1, 1934.

397,631. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) J. JOLLES STUDIOS, New York, N. Y. Filed Aug. 12, 1941. Serial No. 446,163.

J. JOLLES STUDIOS
HANDMADE NEEDLEPOINT TAPESTRY
Design No.
Canvas Size

FOR UNFINISHED NEEDLEPOINT TAPESTRY PIECES FOR FINISHING AT HOME.
Claims use since July 1, 1941.

397,632. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROYAL TYPEWRITER COMPANY, INC., New York, N. Y. Filed Aug. 12, 1941. Serial No. 446,183.

Quiet De Luxe

FOR TYPEWRITING MACHINES AND PARTS THEREOF.
Claims use since July, 1939.

397,633. (CLASS 39. CLOTHING.) BEN KING, INC., New York and Brooklyn, N. Y. Filed Aug. 22, 1941. Serial No. 446,459.

Ben King Inc.

FOR LADIES' AND MEN'S GARMENT BELTS, WITH AND WITHOUT BUCKLES; GLOVES MADE OF LEATHER OR FABRIC, NECKTIES, SCARFS, HATS, SUITS, HOSIERY, AND UNDERWEAR.
Claims use since Jan. 1, 1939.

397,634. (CLASS 39. CLOTHING.) TABIN-PICKER & COMPANY, Chicago, Ill. Filed Sept. 4, 1941. Serial No. 446,786.

TRUDY HALL, JR.

FOR WOMEN'S AND MISSES' DRESSES.
Claims use since June 10, 1941.

397,635. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) W. A. BALLINGER & Co., San Francisco, Calif. Filed Sept. 8, 1941. Serial No. 446,854.

BAGER

FOR COTTON PIECE GOODS, SHEETS, AND PILLOWCASES, SPREADS, TOWELS AND TOWELING, CRASH, PIECE GOODS OF COTTON AND WOOL USED IN MANUFACTURE OF UNIFORMS AND GOWNS, AND COTTON AND WOOL BLANKETS.
Claims use since Mar. 1, 1923.

397,636. (CLASS 39. CLOTHING.) GLENSDER TEXTILE CO., New York, N. Y. Filed Sept. 11, 1941. Serial No. 446,967.

Waverly

FOR LADIES' SCARFS.
Claims use since July 9, 1941.

397,637. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILES LABORATORIES, INC., Elkhart, Ind. Filed Oct. 4, 1941. Serial No. 447,546.

ONE A DAY

FOR VITAMIN TABLETS.
Claims use since Sept. 30, 1940.

397,638. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RINSHED-MASON COMPANY, Detroit, Mich. Filed October 17, 1941. Serial No. 447,691.

CARBLAK

FOR A BLACK FINISHING LACQUER FOR AUTOMOBILES OR OTHER ARTICLES.
Claims use since July 10, 1941.

397,639. (CLASS 39. CLOTHING.) MORSE & MORSE, Los Angeles, Calif. Filed Oct. 28, 1941. Serial No. 448,201.

MOVIELAND
TYNEES
from Hollywood

FOR LADIES' UNDERWEAR—NAMELY, PANTIES.
Claims use since Jan. 2, 1938.

397,640. (CLASS 39. CLOTHING.) THE HECHT CO., Washington, D. C., also doing business as Hecht Bros., Baltimore, Md., and New York, N. Y., and as The Hub, Baltimore, Md. Filed Nov. 17, 1941. Serial No. 448,696.

KORDORY

FOR BOYS' CLOTHING—NAMELY, SUITS, INCLUDING COATS, VESTS, TROUSERS, TOP COATS, OVERCOATS AND JACKETS.
Claims use since June 23, 1941.

397,641. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL DESERTS CORPORATION, New York, N. Y. Filed Nov. 21, 1941. Serial No. 448,786.

QUIC-KO-CO

FOR COCOA BEVERAGE IN POWDER FORM.
Claims use since June 12, 1941.

397,642. (CLASS 39. CLOTHING.) THE BEE HAT & CAP CO., St. Louis, Mo. Filed Dec. 26, 1941. Serial No. 449,758.

Webster
HATS
QUALITY FELTS

FOR MEN'S AND BOYS' HATS.
Claims use since July 15, 1941.

397,643. (CLASS 39. CLOTHING.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Feb. 20, 1942. Serial No. 451,111.

Clay Poole

FOR MEN'S CLOTHING CONSISTING OF SUITS, OVERCOATS, WAISTCOATS, AND TROUSERS.
Claims use since July 15, 1941.

397,644. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) AMERICAN THERMOMETER COMPANY, St. Louis, Mo. Filed Feb. 26, 1942. Serial No. 451,219.

WILDER

FOR THERMOMETERS.
Claims use since May 1, 1916.

397,645. (CLASS 39. CLOTHING.) SABA MANUFACTURING CO., Los Angeles, Calif. Filed Mar. 17, 1942. Serial No. 451,692.

Sue Mason JUNIOR

FOR WOMEN'S SLACK SUITS AND DRESSES.
Claims use since Feb. 1, 1940.

397,646. (CLASS 39. CLOTHING.) CARO & CO. INC., New York, N. Y. Filed Mar. 23, 1942. Serial No. 451,835.

Caro-line

FOR WOMEN'S BEACH AND SPORTS WEAR—NAMELY, BEACH ROBES, BEACH JACKETS, SLACK SUITS AND PLAY SUITS, SLACKS, OVERALLS AND SHORTS FOR OUTER WEAR.
Claims use since Jan. 8, 1941.

397,647. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) AMALGAMATED TEXTILES LIMITED, New York, N. Y. Filed April 13, 1942. Under the Act of March 19, 1920, as amended June 10, 1938. Serial No. 452,299.

WORKS OF ART

FOR WOOLEN PIECE GOODS OF SOLID COLOR AND PIECE GOODS OF SOLID COLOR OF MIXTURES OF WOOL AND OTHER MATERIALS.
Claims use since Jan. 20, 1941.

397,648. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) WHITTENTON MANUFACTURING COMPANY, Taunton, Mass. Filed Apr. 13, 1942. Serial No. 452,321.

WovenArt

FOR PIECE GOODS OF COTTON AND RAYON MIXTURES.
Claims use since April, 1940.

397,649. (CLASS 39. CLOTHING.) FENTON HATS INC., Yonkers, N. Y. Filed Apr. 17, 1942. Serial No. 452,391.

Clayton Hall

FOR MEN'S HATS AND CAPS.
Claims use since May 2, 1938.

397,650. (CLASS 39. CLOTHING.) FENTON HATS INC., Yonkers, N. Y. Filed Apr. 17, 1942. Serial No. 452,392.

Fenton Club

FOR MEN'S HATS AND CAPS.
Claims use since May 2, 1938.

397,651. (CLASS 39. CLOTHING.) PACKARD DRESSES INC., New York, N. Y. Filed June 4, 1942. Serial No. 453,463.

WAFER-THIN

FOR LADIES' AND MISSES' DRESSES, AND DRESS ENSEMBLES CONSISTING OF A DRESS AND JACKET.
Claims use since May 12, 1941.

397,652. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) AUGUST WAELDIN, INC., New York, N. Y. Filed June 13, 1942. Serial No. 453,648.

CARL HALLE

FOR OPTICAL PRODUCTS—NAMELY, BALOPTICIANS, BAROMETERS, BINOCULARS, COLORIMETERS, HYGROMETERS, MAGNIFYING GLASSES, MICROSCOPES, MICROSCOPE EYEPIECES, MICROSCOPE LAMPS, MICROSCOPE OBJECTIVES, OPTICAL PYROMETERS, PERIMETERS, PERISCOPES, PHOTOGRAPHIC LENSES, PRISMS, READING GLASSES, REFRACTOMETERS, SEXTANTS, SPECTROSCOPES, STEREOSCOPES, SUN GLASSES, TELESCOPES, AND THERMOMETERS.
Claims use since September, 1938.

397,653. (CLASS 39. CLOTHING.) STIX, BAER AND FULLER COMPANY, St. Louis, Mo. Filed June 18, 1942. Serial No. 453,742.

Lucy Manners

FOR WOMEN'S AND MISSES' DRESSES AND FROCKS.
Claims use since Feb. 8, 1939.

397,654. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) MANHATTAN NOVELTY COMPANY, New York, N. Y. Filed June 20, 1942. Serial No. 453,779.

MANHATTAN

FOR BILLFOLDS AND WALLETS.
Claims use since Mar. 5, 1941.

397,655. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MOREY MACHINERY COMPANY, INC., Astoria and New York, N. Y. Filed June 25, 1942. Serial No. 453,875.

MOREY

FOR PROFILER AND MILLING MACHINES WITH SINGLE SPINDLE AND WITH DOUBLE SPINDLE; TURRET LATHES, WITH PLAIN HEADS AND GEARED HEADS; AND SEMI-AUTOMATIC LATHES, AND TURRET LATHES OF THE UNIVERSAL TYPE; VERTICAL SHAPERS; DRILLING MACHINES, DUPLEX HORIZONTAL DRILLING MACHINES, SINGLE SPINDLE DEEP HOLE DRILLING MACHINES; AND THREAD MILLING MACHINES.
Claims use since 1916.

TRADE-MARK REGISTRATIONS RENEWED

21,716. **"REAL COMPANHIA DOS VINHOS DO PORTO" AND DRAWING.** PORTUGUESE WINES. Registered September 6, 1892. COMPANHIA GERAL DA AGRICULTURA DAS VINHAS DO ALTO DOURO, Oporto, Portugal, a limited liability company of Portugal. Re-renewed September 6, 1942.

157,179. **"THE TYPEWRITER DOCTOR" AND DRAWING.** REBUILT TYPEWRITERS, TYPEWRITER REPAIR PARTS, PLATEN ROLLERS, TYPEWRITER REPAIR AND MAINTENANCE KITS. Registered July 25, 1922. ABRAM H. POST. Renewed July 25, 1942, to Jane Marie Post, Chicago, Ill., successor.

159,123. **REPRESENTATION OF A RECTANGULAR FIGURE.** LEATHER AND FABRIC GLOVES. Registered September 19, 1922. STEINBERGER BROS. LOBL Co. Renewed September 19, 1942, to Aris Gloves, Inc., New York, N. Y., a corporation of California, assignee.

160,498. **WASHINGTON.** ALIMENTARY PASTE—VIZ, MACARONI, ALPHABETS, VERMICELLI, SPAGHETTI, AND EGG NOODLES. Registered October 24, 1922. A. F. GHIGLIONE & SONS, INC. Renewed Oct. 24, 1942, to Reconstruction Finance Corporation, Seattle, Wash., a corporation of the United States, assignee.

161,468. **F B C.** BOILER STAY BOLTS; TRACK FROG, AND SWITCH BOLTS AND NUTS, AND SEMIRIGID AND FLEXIBLE STAY BOLTS. Registered November 14, 1922. FLANNERY BOLT COMPANY, Wilmington, Del., and Pittsburgh, Pa. Renewed November 14, 1942, to Flannery Bolt Company, Bridgeville, Pa., a corporation of Delaware, successor.

162,061. **DOWNYFLAKE.** FOOD OILS CONTAINING COTTONSEED OIL AND CORN OIL. Registered December 5, 1922. DISPLAY DOUGHNUT MACHINE CORPORATION. Renewed December 5, 1942, to Doughnut Corporation of America, New York, N. Y., a corporation of New York, by changes of name.

162,261. **THE HEATING AND VENTILATING MAGAZINE.** MONTHLY MAGAZINE. Registered December 12, 1922. HEATING AND VENTILATING MAGAZINE CO. Renewed December 12, 1942, to The Industrial Press, New York, N. Y., a corporation of New York, successor.

163,579. **JIFFION.** APRONS, BUNGALOW APRONS, AND DRESSES. Registered January 23, 1923. THE L. N. GROSS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed January 23, 1943.

163,585. **WALLOP.** WHEAT FLOUR. Registered January 23, 1923. THE ISMERT-HINCKE MILLING COMPANY, doing business as The Sun Ray Products Co., Kansas City, Kans., and Kansas City, Mo. Renewed January 23, 1943, to The Ismert-Hincke Milling Company, Kansas City, Mo., a corporation of Kansas.

163,686. **MEL-O-NUT.** MARGARINE AND BUTTER SUBSTITUTES. Registered January 23, 1923. JACOB DOLD PACKING CO. Renewed January 23, 1943, to Dold Packing Corporation, Buffalo, N. Y., a corporation of New York, assignee.

163,698. **LA GARDE.** LEATHER NOVELTIES—VIZ, MEN'S BILL FOLDS, COIN PURSES, AND POCKETBOOKS AND LADIES' HAND BAGS. Registered January 23, 1923. JOHN STEMBER & CO., New York, N. Y. Renewed January 23, 1943, to Amity Leather Products Co., West Bend, Wis., a corporation of Wisconsin, assignee by mesne assignments.

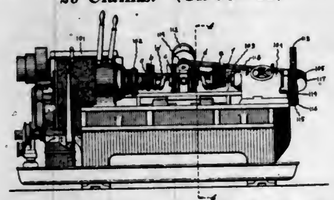
163,760. **KANTAINER.** SEAMLESS STEEL CONTAINERS. Registered January 23, 1923. SEAMLESS STEEL PRODUCTS CO., Milwaukee, Wis., a corporation of Wisconsin. Renewed January 23, 1943.

163,775. **TILLIE THE TOILER.** CARTOONS. Registered January 30, 1923. KING FEATURES SYNDICATE, INC., New York, N. Y., a corporation of New York. Renewed January 30, 1943.

REISSUES

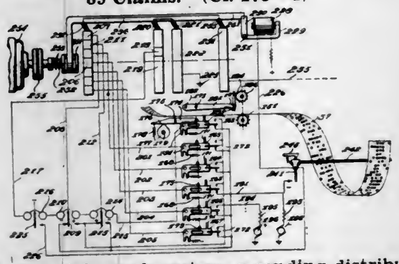
SEPTEMBER 8, 1942

22,174
BROACHING LATHE
William F. Groene and Walter R. Meyer, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Original No. 2,090,119, dated August 17, 1937, Serial No. 14,866, April 5, 1935. Application for reissue June 5, 1941, Serial No. 396,787
29 Claims. (Cl. 90—33)



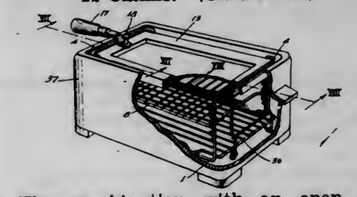
22. A broaching machine for finishing a work piece having a surface of revolution comprising a frame, a work support on said frame, driving means on said frame for rotating said work support, a tool carriage mounted on said frame for movement toward and from said work support, a tool support on said carriage, a broaching tool on said support, means for rotating said tool support and feeding means for said carriage comprising means for moving said carriage toward said work support axis, said last named means including a cam formed to cooperate with said tool carriage to control the rate of feed near depth to finish said work piece.

22,175
SELECTIVE CONTROL SYSTEM AND APPARATUS
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Original No. 2,134,005, dated October 25, 1938, Serial No. 393,761, September 19, 1929. Application for reissue December 20, 1940, Serial No. 371,030
89 Claims. (Cl. 178—4)



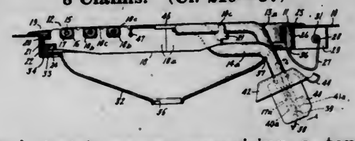
1. In a telegraph system, a sending distributor having a plurality of impulse transmitting elements, a corresponding plurality of primary control elements, a transmitter having a number of secondary control elements fewer than the number of said impulse transmitting elements, and means including said transmitter to invariably and singly associate each impulse transmitting element with a definite primary control element.

22,176
BROILER AND FRYER UNIT
William James Russell and Kenneth L. Woodman, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original No. 2,156,216, dated April 25, 1939, Serial No. 125,598, February 13, 1937. Application for reissue December 24, 1940, Serial No. 371,598
12 Claims. (Cl. 219—35)



6. The combination with an open top receptacle, of a rack disposed therein and resting on the bottom thereof, a heating unit hingedly supported on said rack adjacent the top of the receptacle and adapted to be swung upwardly thereon, said unit comprising a plate member and a heating element beneath the plate member, the upper surface of the plate member including a central portion constituting a cooking surface and a raised portion encompassing said central portion and the lower surface constituting a reflecting surface.

22,177
HEATING DEVICE
John C. Sharp, Glen Ellyn, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York
Original No. 2,274,348, dated February 24, 1942, Serial No. 311,147, December 27, 1939. Application for reissue May 9, 1942, Serial No. 442,395
8 Claims. (Cl. 219—37)

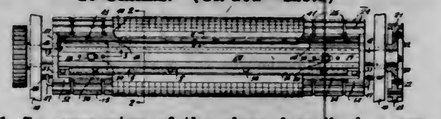


7. An electric range comprising a top wall formed with an opening therein for receiving a heating unit, means depending downwardly from said wall through said opening to define a laterally extending supporting seat, said heating unit having an electrical heating element and a supporting member therefor having a supporting portion around said element, means securing said element to said supporting portion, said supporting portion fitting into said opening, and the supporting member having a part overlapping the top wall around the opening to support the supporting portion and thereby the heating element in its cooking position in said opening, a hinge arm secured to a portion of said heating unit and having a part extending under said top wall, means pivotally connecting said part to said top wall, and a reflector under said heating element separate from said heating element and said supporting member within which said heating element is mounted and resting on said seat so as to be removable therefrom when said supporting member is pivoted upwardly.

PATENTS

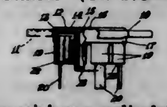
GRANTED SEPTEMBER 8, 1942

2,294,879
PLATE MOUNTING
Harry F. Affelder, Cleveland Heights, Ohio
Application April 24, 1939, Serial No. 269,641
10 Claims. (Cl. 101—415.1)



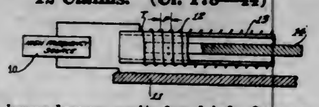
1. In apparatus of the class described, a support for a printing form, a flexible non-resilient sheet packing mounted upon said support, means for tensioning said packing to conform to the contour of the support, a flexible top sheet superposed upon said packing, means for gripping and tensioning said top sheet to conform to the surface of the packing comprising a roller engaging one end of the sheet, and a rubber printing plate removably secured to the top sheet, whereby make ready may be inserted beneath the top sheet without disturbing the packing.

2,294,880
ELECTRICAL SOCKET
Milton Alden, Brockton, Mass.
Application December 18, 1939, Serial No. 309,777
1 Claim. (Cl. 173—328)



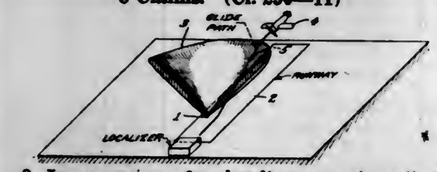
A socket comprising a cylindrical molded body having a number of pockets extending parallel with the axis with partitions between the pockets, a contact mounted in each pocket and having a wiring terminal projecting from the rear, an insulating ring mounted in the front of the body and having a hole in alinement with each of the contacts and a supporting metal shielding cap having parts embracing the edge of the rim of the body and openings larger in diameter than and registering with the openings in the insulating ring, the metal around the openings in the cap contacting the insulating material around its openings.

2,294,881
HIGH FREQUENCY IMPEDANCE UNIT
Andrew Alford, New York, N. Y., assignor to International Telephone & Radio Manufacturing Corporation, a corporation of Delaware
Application August 3, 1939, Serial No. 288,133
12 Claims. (Cl. 178—44)



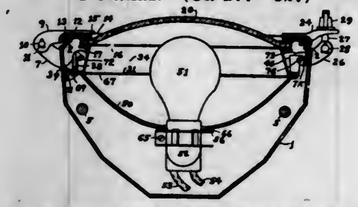
1. An impedance unit for high frequency energy comprising a wire coil means, said coil means being long relative to its diameter, and the length of the wire forming said coil being at least one wavelength at the operating frequency, a connecting terminal at one end of said coil constituting the sole means for connecting said unit to external circuits, and a conductive means mounted adjacent said coil extending along the length thereof and insulated therefrom, one end of said conductive means terminating at a point adjacent the terminal end of said coil and at least one of said means being made by resistance material.

2,294,882
AIRCRAFT LANDING SYSTEM
Andrew Alford, New York, N. Y., assignor to International Telephone & Radio Manufacturing Corporation, a corporation of Delaware
Application January 3, 1940, Serial No. 312,191
8 Claims. (Cl. 250—11)



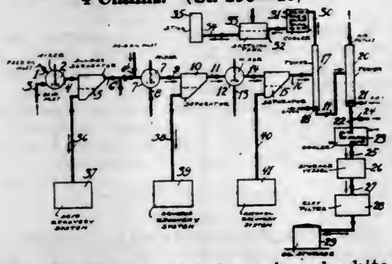
2. In a system for landing an aircraft the method which comprises producing a sharply directive radiation pattern substantially in the shape of a hollow substantially linear conical surface having its apex substantially at the ground, directing said aircraft horizontally along a course line displaced laterally an appreciable distance from said apex and intersecting said conical surface, and directing said aircraft vertically along a glide path in the shape of a conic section determined by the intersection of said conical surface and said course line.

2,294,883
TRAFFIC SIGNAL LAMP
Carl Ludwig Anderson and Ernest R. Freeberg, Moline, Ill., assignors to Eagle Signal Corporation, Moline, Ill., a corporation of Massachusetts
Application July 25, 1938, Serial No. 221,138
4 Claims. (Cl. 177—327)



1. In a lamp assembly, the combination of a housing, a door having a lens attached thereto and hinged to said housing, a resilient member attached in said housing, a reflector hinged on said resilient member permitting said assembly to be swung about the resilient member as an axis, a second resilient member attached in said housing, a latch member carried by said reflector assembly for engaging said second resilient member when the reflector is swung to its normal position whereby said door may be closed against the said resiliently hinged and resiliently latched reflector which yieldingly moves backward exerting pressure between said door and said reflector assembly.

2,294,884
PROCESS FOR FINISHING MINERAL WHITE OILS
Francis M. Archibald, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 30, 1939, Serial No. 311,907
4 Claims. (Cl. 196—40)



1. A process for preparing mineral white oils which comprises exhaustively treating petroleum stocks of lubricating oil consistency with concentrated sulfuric acid, separating the resulting heavy sludge from the oil layer, neutralizing and washing the oil with an aqueous alcoholic alkali solution, separating the aqueous alcoholic layer, then treating countercurrently the resultant oil with steam at a temperature between 140° C. and 190° C. and then with air countercurrently at a temperature between 90° C. and 125° C., the contact time of the oil with the steam and air not exceeding 10 minutes, cooling the oil rapidly and then treating with clay.

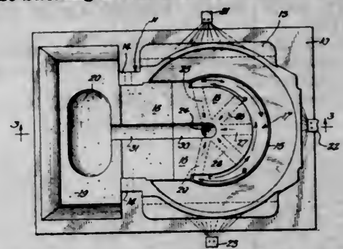
2,294,885
LAST FOR SHOES
Joseph Amico, Rochester, N. Y., assignor to Frank Keiper, Rochester, N. Y.
Application December 22, 1938, Serial No. 247,146
7 Claims. (Cl. 12—128.1)



1. A last comprising a toe part and a heel part with an open space between them, said open space extending from the top to the bottom of the toe part and the heel part of a last, a rod pivotally attached to the toe part and projecting rearwardly therefrom, said rod having a sliding engagement with the heel part of the last and a spring surrounding the rod and holding the two parts of the last yieldingly spaced apart, said spring being so cone-shaped in cross section as to permit the coils to seat one within the other thereby on collapse of the last permitting the heel part of the last to approach close to the toe part of the last.

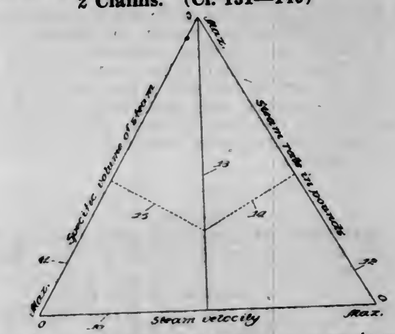
2,294,886
METHOD OF FORMING BEARING METAL SURFACES ON BACKING METALS
Charles M. Angel, Huntington, W. Va.
Application May 19, 1941, Serial No. 394,202
5 Claims. (Cl. 22—204)

1. A method of applying bearing surfaces to metal backings which includes the steps of; depositing a thin layer of the bearing metal over the surface to be covered by a bearing, cleaning the surface of said layer, blasting said surface with an abrasive, pouring a sufficient amount of molten bearing metal on said thin layer to build up the bearing to a predetermined dimension and applying heat to a temperature of approximately 900° F. to the backing metal and the bearing to finally



fuse the metals into secure union with one another.

2,294,887
MOISTENING TOBACCO AND OTHER ORGANIC PRODUCTS IN BULK
Wilfrid L. Atwood, Richmond, Va., assignor to The Guardite Corporation, a corporation of Illinois
Application July 22, 1940, Serial No. 346,871
2 Claims. (Cl. 131—140)



2. The method of moistening an organic product under vacuum which comprises subjecting the product in bulk to a high vacuum and supplying steam thereto to reduce the vacuum and to condense on and moisten the product by penetration from the outside thereof toward the center, the steam being supplied initially at a very low rate and being progressively increased at a faster rate, the rate of introduction of steam being for no substantial interval more than 12 lbs. per minute per thousand pounds of product.

2,294,888
PHENOTHIAZINE SUSPENSION
James A. Austin, Kansas City, Mo., assignor to Jensen-Salsbery Laboratories, Inc., Kansas City, Mo., a corporation of Missouri
No Drawing. Application August 27, 1940, Serial No. 354,383
3 Claims. (Cl. 167—53)

1. An easy flowing stable colloidal aqueous suspension of phenothiazine including also water, a colloidally dispersed solid in proportion sufficient to stabilize the suspension, and a wetting agent.

2,294,889
MEDICINAL PRODUCT
Alfred Barol, Philadelphia, Pa., assignor to John Wyeth & Brother, Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application June 24, 1940, Serial No. 342,180
4 Claims. (Cl. 167—72)

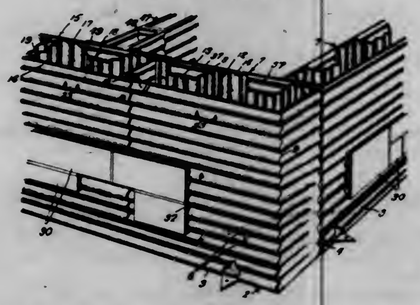
1. An antacid composition for treatment of the gastro-intestinal tract containing aluminum phosphate.

2,294,890

STRUCTURAL CORRUGATED BUILDING UNIT AND WALL FABRICATED THEREFROM

Joseph M. Brinker, Pittsburgh, Pa., assignor to Josephine S. Brinker, Baltimore, Md., as trustee for Elizabeth M. Brinker

Application December 21, 1938, Serial No. 247,116
12 Claims. (Cl. 189—1)



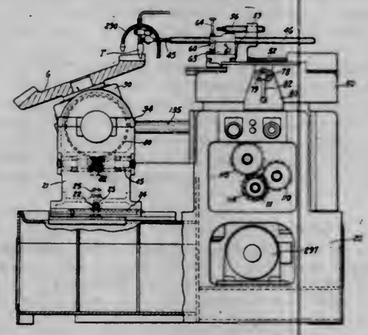
1. Skeletal structural unit comprising a hollow parallelepipedal pillar having corrugated sides, the corrugations running perpendicular to the angular corners of said pillar, and a load bearing web secured within said pillar extending longitudinally thereof, said web being corrugated longitudinally and bent to form deep corrugated ridges and valleys giving girder depth and stiffness to said web.

2,294,891

MACHINE FOR HARDENING GEARS

Edward W. Bullock and Joseph V. Fidd, Rochester, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York

Application August 20, 1940, Serial No. 353,376
18 Claims. (Cl. 266—5)



1. A machine for hardening gears having longitudinally inclined teeth comprising a rotatable work spindle, a heating element, means for moving the heating element longitudinally of a tooth of the gear to be hardened, and means, including a train of gearing including a set of change gears, for rotating the work spindle in time with the longitudinal movement of the heating element and in proper proportion with said movement and with the inclination of the gear teeth so as to cause the side surface of a tooth of the gear to be presented continuously to the heating element as the element moves from one end of the tooth to the other, and means for periodically indexing the work spindle.

2,294,892

DYE FOR PHOTOGRAPHIC LAYERS

Burt H. Carroll and Jonas John Chechak, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application May 7, 1940, Serial No. 333,806
12 Claims. (Cl. 95—6)

1. A multi-layer photographic element including a light-sensitive gelatino-silver halide layer and a gelatin layer containing a non-diffusing dye formed by tetrazotizing a symmetrical aromatic diamine having ortho to the amino groups, substituent groups selected from the class consisting of halogen and alkyl groups and coupling it in the 1-position with a β-naphthol.

2,294,893

DYE FOR PHOTOGRAPHIC LAYERS

Burt H. Carroll and Jonas John Chechak, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application May 7, 1940, Serial No. 333,807
2 Claims. (Cl. 95—6)

1. A photographic element including a light-sensitive gelatino-silver halide layer and a gelatin layer containing a dye formed by tetrazotizing a symmetrical aromatic diamine having alkyl groups ortho to the amino groups and coupling it ortho to the hydroxyl group with a phenol containing a substituent group para to its hydroxyl group.

2,294,894

PROCESS AND APPARATUS FOR MAKING SHARP-EDGED THREADS, CORDS, RIBBONS OR BANDS, PROFILED STRIPE, AND SO FORTH FROM PLASTIC MASSES, ARTIFICIAL AND NATURAL DISPERSIONS AND EMULSIONS

Max Draemann, Cologne, Germany, vested in the Alien Property Custodian

Application July 4, 1939, Serial No. 282,778
In Germany July 9, 1938
5 Claims. (Cl. 18—8)



2. As a new article of manufacture a nozzle for the extrusion of plastic masses, such as artificial and natural dispersions, emulsions, solutions or the like, comprising an outlet portion with a wall bulged outwardly on the delivery end of the nozzle, said outlet portion having a polygonal orifice in said bulged wall, and the corners of said polygonal orifice being arranged nearer to the inlet end of the nozzle than the center portions of the sides of the polygonal orifice.

2,294,895

COPPER POWDER

Joseph E. Drapeau, Jr., Calumet City, Ill., and Charles R. Rogers, Hammond, Ind., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application July 15, 1940, Serial No. 345,606

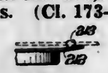
2. A copper powder for use in the manufacture of pressed shapes containing between 0.05% and 0.3% of tin distributed in the form of thin films alloyed on the surface of the particles of copper powder.

2,294,896

THERMIONIC TUBE SOCKET

Hugh H. Eby, Jenkintown, Pa., assignor, by mesne assignments, to Penn Electric Development Corp.

Original application June 16, 1937, Serial No. 148,546. Divided and this application December 18, 1940, Serial No. 370,640
2 Claims. (Cl. 173—339)



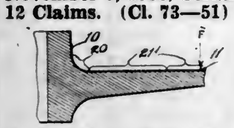
1. A radio tube socket supporting element comprising an integral metal stamping having a substantially planar socket securing portion, a pair of integral resilient ears initially bent out of the plane of the portions, integral extensions on said ears normally of the ears and arranged to enter apertures in a mounting panel when the ears are bent to alignment with the securing portions and to bear frictionally in such apertures under spring pressure when the ears are released.

2,294,897

METHOD OF DETERMINING STRAIN CONCENTRATION IN RIGID ARTICLES

Greer Ellis, Cambridge, Mass., assignor to Magnaflux Corporation, Chicago, Ill., a corporation of Delaware

Application November 7, 1938, Serial No. 239,338
12 Claims. (Cl. 73—51)



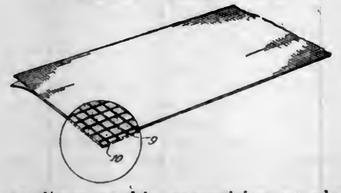
5. The method of determining the relative distribution of elastic strains as between a plurality of superficial areas of a rigid article of relatively high elastic limit which comprises coating said article with a uniformly brittle film capable of crack formation under the influence of gradually increased loads, and subjecting said coated article to gradually increased known loads initially incapable of effecting crack formation in said film over the areas to be tested, until the successive occurrence of one and the same stage of the crack formation in said film over the areas to be tested has been effected, whereby the relative strain concentration in the areas of said rigid article being tested may be computed, being inversely proportional to the loads effecting said stage of crack formation in the brittle film coating said areas.

2,294,898

SANITARY NAPKIN

Charles A. Fourness, Appleton, and Edward H. Voigtman, Neenah, Wis., assignors to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware

Application February 8, 1939, Serial No. 255,277
2 Claims. (Cl. 128—284)



1. A sanitary napkin comprising an absorbent pad and a wrapper therefor, said wrapper comprising a film or web of soft, fibrous material characterized by a lack of substantial tensile strength, said wrapper including a portion extended beyond an end of the pad and constituting a tab adapted to be used for supporting the napkin by attachment of the tab to a belt or other supporting medium, and a multiplicity of threads some extending transversely of others, secured to said film on the inside thereof for reinforcing the same to enable said film to withstand the forces tending to break the film when the napkin is supported through the agency of said extended portions thereof.

2,294,899

SANITARY NAPKIN

Charles A. Fourness, Appleton, and Edward H. Voigtman, Neenah, Wis., assignors to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware

Application February 8, 1939, Serial No. 255,278
5 Claims. (Cl. 128—284)



1. A sanitary napkin comprising an elongated absorbent pad, and a wrapper enclosing said pad and having extensions beyond the ends thereof constituting tabs adapted to be used for supporting the napkin by attachment to a belt or other supporting element, said wrapper comprising a multiplicty of haphazardly arranged and loosely matted fibres constituting a soft fibrous material layer characterized by its anti-chafing quality and inadequate tensile strength for said supporting and attaching functions of the wrapper, and a plurality of threads disposed in spaced, parallel relation on the inside and extending lengthwise of said layer of fibrous material for supplying the required tensile strength to said wrapper without impairing its aforesaid anti-chafing quality.

2,294,900

GUM MASSAGE APPLIANCE

Leslie L. Fuller, Goldfields, Saskatchewan, Canada

Application July 17, 1940, Serial No. 345,893
1 Claim. (Cl. 128—62)

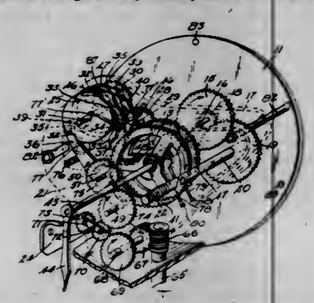
A gum massaging appliance comprising a row of like massaging elements each jointed at their base to a supporting handle, each massaging element comprising a flexible rubber core surrounded by a sheath of sponge rubber defining parallel side walls and end walls inclined downwardly and outwardly with reference to said supporting handle, said flexible rubber core comprising a truncated conical base and an integral cylindrical column co-axial therewith, said core having a cup-shaped cavity in the free end of said column, each cavity terminating in a thin peripheral edge or lip, a sponge rubber filler in said cavity divided by a plurality of intersecting grooves extending downwardly from the top thereof to the bottom of said cup-shaped cavity, both said sponge rubber sheath and said sponge rubber filler terminating substantially in the plane of said lip or peripheral edge of said cup-shaped cavity, and said massaging elements be-

ing arranged on said supporting handle in juxtaposed aligned relation such that opposed end



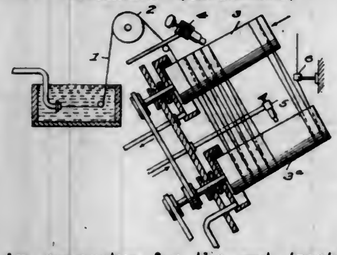
walls of adjacent massaging elements will define a V-shaped space therebetween.

2,294,901
FUEL CONSUMPTION INDICATOR
Paul R. Gowen, deceased, late of Twin Falls, Idaho, by Betty Wilson Gowen, administratrix, Twin Falls, Idaho
Application December 18, 1939, Serial No. 309,847
5 Claims. (Cl. 235—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



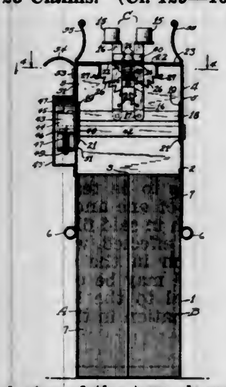
1. A device for automatically determining the ratio between the rotations of the two rotating members, rotating at variable speeds, comprising in combination a measuring element, means directly connected to one of said rotating members, means including a gear operated cam set directly connected with the other of said rotating members and continuously rotating at varying speeds to actuate periodically a portion of said first mentioned means into direct engagement with said measuring element, for operating the measuring element proportionately to the rotative speed of said first mentioned rotating member, also to hold the portion of said means in engagement with the measuring element for a predetermined period during the operation of said second mentioned rotating member and to move the portion of said first mentioned means out of engagement with said measuring element during other periods in the operation of said last mentioned rotating member and means including a pointer actuated by said measuring element.

2,294,902
APPARATUS FOR TREATING YARN
Carl F. Gram, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application April 18, 1941, Serial No. 389,252
4 Claims. (Cl. 68—205)



1. An apparatus for the wet treatment of artificial yarns including a roller which is inclined with respect to the horizontal and over which the yarns to be treated are passed and a fluid jet mounted adjacent to said roller for applying a non-splashing spray of liquid thereto, said jet being positioned in a plane which is inclined to the horizontal plane passing through the axis of the roller and in a direction pointing away from the said axis of the roller toward the periphery thereof.

2,294,903
SELECTIVE FILING AND FINDING SYSTEM
Robert O. Griffin, Berkeley, Calif.
Application October 5, 1938, Serial No. 233,400
25 Claims. (Cl. 129—16.1)

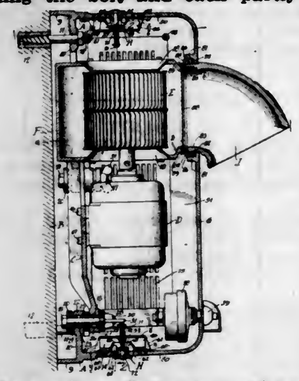


21. In a device of the type described, a receptacle for holding a plurality of cards notched in a predetermined manner along the edges of the cards facing an opening in the receptacle, a cover for said opening, selector bars carried by the cover and being movable towards the cards, the advanced bars being receivable in the notches of cards whose notches correspond with the moved bars when the receptacle is moved for moving all of the cards toward the bars, and means for retaining the cards whose notches receive the bars and for moving them when the cover is removed.

2,294,904
ELECTRIC DRIER
Elmer S. Hewitt, Niles Center, Ill.
Application January 14, 1939, Serial No. 250,863
2 Claims. (Cl. 248—15)

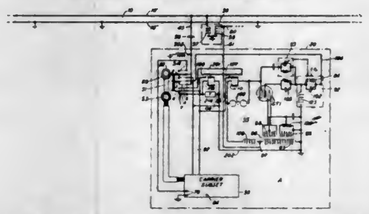
1. In apparatus as described, a base, a cradle

mounting a motor-blower unit, and connections between the cradle and base each comprising an apertured lug on the base and, in register therewith, but spaced therefrom, an apertured lug on the cradle, a grommet fitted between the two lugs and entered in part within the apertures thereof and serving to space and center the lugs with respect to each other, a bolt entered through the grommet and extended beyond the two lugs in engagement therewith, and other grommets surrounding the bolt and each partly entered



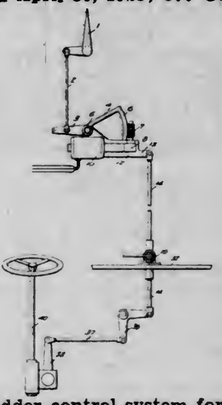
within the aperture of one grommet and in engagement with a face thereof opposite the face which is engaged by the grommet first mentioned, one of the last two grommets lying adjacent the head of the bolt and the other adjacent a nut which is adapted to be screwed upon the opposite end of the bolt, whereby, upon advance of the nut, all three grommets are placed under compression with the two lugs firmly clamped and centered immovably with respect to each other to secure the cradle fixedly to the base.

2,294,905
POWER LINE TELEPHONE SYSTEM
Richard K. Honaman, Glen Ridge, N. J., and Dexter T. Osgood, Jackson Heights, and Kenneth H. Perkins, Valley Stream, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 19, 1941, Serial No. 389,284
11 Claims. (Cl. 179—2.5)



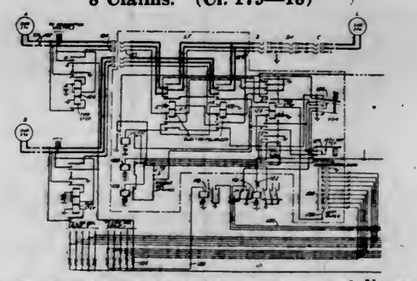
1. In a power line carrier frequency telephone system comprising a plurality of carrier frequency telephone stations connected to said power line, means at each station comprising a network selective to a signaling carrier wave, a gas-filled tube including a cathode, an anode, and a control electrode, means to apply audio frequency alternating current to said cathode and anode and to bias said control electrode to a potential maintaining said tube normally deionized, means connecting said network and said control electrode for applying said signaling carrier wave to said electrode to overcome the bias thereon whereby said tube ionizes during the half cycles of said alternating current in which said anode is at positive potential and generates an audio frequency pulsating current, and means connected to the cathode and anode of said tube to be actuated by said pulsating current.

2,294,906
LOCKING DEVICE FOR RUDDER CONTROL SYSTEMS
George V. Holloman, Charles L. Paulus and Raymond K. Stout, Dayton, Ohio
Application August 21, 1940, Serial No. 353,540
2 Claims. (Cl. 114—144)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a rudder control system for water borne craft of the type wherein the rudder may be actuated by power means and independently actuated by manual control means, said manual means including a reciprocable control rod; the combination with said control rod of a latch member carried thereby, a spring loaded bolt member adapted when released to co-operate with said latch member to automatically lock said control member against movement when the latter is in a predetermined position, means for locking said bolt in an elevated position out of engagement with said latch and foot actuated quick-release means for releasing said bolt for engagement with said latch member.

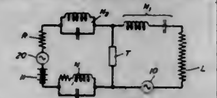
2,294,907
TELEPHONE SYSTEM
Henry Hovland, Williston Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 17, 1941, Serial No. 374,822
8 Claims. (Cl. 179—18)



1. In a telephone system, a group of lines, a

group of finders having access to said lines, the finders of said group of finders arranged in sequence to serve said lines in a definite order, each of said finders having a set of switching contacts operable in response to the movement of the finders, a start circuit common to said finders, means including the switching contacts of the first idle finder in the group for extending said start circuit to said idle finder, means responsive to a call on one of said lines for closing said start circuit to operate said idle finder, the switching contacts of said operated finder serving to extend said start circuit to the next finder in the group, means for releasing said finders, and means for preventing the release of an operated finder until all finders in the group are operated.

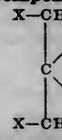
2,294,908
ELECTRIC WAVE SYSTEM
Luther W. Hussey, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 8, 1941, Serial No. 387,434
14 Claims. (Cl. 179—171.5)



5. A circuit comprising a mesh including a thermally sensitive negative resistance element, and means to prevent self-oscillation around said mesh comprising means to provide a positive total effective impedance around the mesh involving said element.

2,294,909
CHEMICAL PROCESS AND COMPOSITION
Andrew B. Jennings, New Brunswick, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 13, 1939, Serial No. 256,201
17 Claims. (95—6)

1. A photographic silver salt emulsion layer containing a dye component of the general formula:



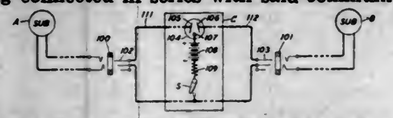
wherein X and X′ are acidic groups taken from the class consisting of acyl, cyano and thiocarbonyl groups which are directly attached to the



radical, and which may form part of a ring, R and R′ are members of the group consisting of hydrogen, halogen, hydrocarbon, halogenohydrocarbon, hydroxyhydrocarbon, carboxy hydrocarbon and sulfoxy-hydrocarbon groups.

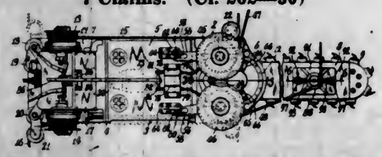
2,294,910
SIGNALING AND COMMUNICATION SYSTEM
John B. Johnson, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 26, 1941, Serial No. 385,231
12 Claims. (Cl. 179—51)

1. In combination, a communication circuit, a gas-conduction relay for opening and closing said circuit, said relay comprising a plurality of cathode elements, an anode, said cathode elements being connected in series with said communica-



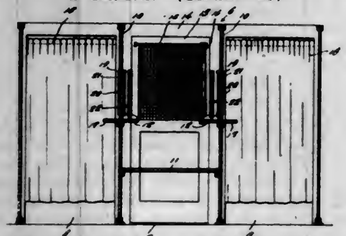
tion circuit, a circuit containing said anode connected in bridged relationship to said communication circuit, and means included in said bridged circuit for rendering said relay conductive and non-conductive.

2,294,911
MATERIAL HANDLING APPARATUS
Joseph F. Joy, Franklin, Pa., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Continuation of application Serial No. 183,008, January 3, 1938. This application June 20, 1940, Serial No. 341,582
7 Claims. (Cl. 262—30)



1. In a material handling apparatus, the combination with a mining machine having feeding and guiding means including relatively rotatable winding elements for feeding and guiding the machine with respect to the working face, of a material loading device movable bodily relative to the mining machine during the loading operation, and operating means for operating said loading device relative to the material to be loaded to effect its loading function while the mining machine remains stationary as regards bodily movement, said operating means being embodied in the mining machine at a point in advance of said winding elements and driven through elements of said mining machine at a relatively high loading speed substantially higher than the machine feeding and guiding speed and independently of said machine feeding and guiding means.

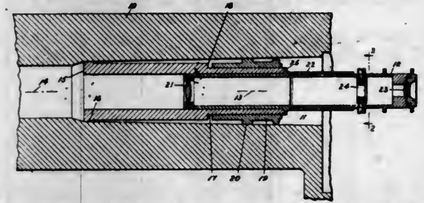
2,294,912
CONFESSIONAL
Andrew J. Jurcak, Houtzdale, Pa.
Application October 14, 1938, Serial No. 235,092
2 Claims. (Cl. 20—40)



1. In a portable breath guard for church confessional windows, a pair of frames arranged in opposed abutting relation and one of said frames having a groove extending into all side faces opposing the other frame, a rib formed on side faces of the latter-named frame and entering

said groove, a flexible solid membrane of sheet form positioned between said frames for closing the latter and having the marginal portions thereof clamped in the groove by the rib to prevent shifting of the membrane relative to the frames and preventing fraying of the edges of said membrane, hinges connecting said frames to permit swinging of the frames toward and from each other, and elongated supporting members having notches to receive and frictionally grip portions of the frames to permit the frames to be firmly rested on a sill of a confessional window and to secure the frames in abutting engagement against swinging movement relative to each other.

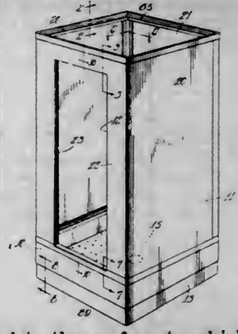
2,294,913
BORE SIGHT
Herman P. Kaufman, United States Army, Washington, D. C., and Douglas L. Parkhurst, Springfield, Mass.
Application June 2, 1941, Serial No. 396,286
3 Claims. (Cl. 33—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a bore sight for a gun having a generally truncated conical chamber, a tubular sight mounting member adapted to mount a bore sight on the interior thereof formed to provide a surface adapted to concentrically engage a complementary wall section of said chamber adjacent the small end of the latter, an element mounted upon the mounting member for coaxial sliding movement thereon, said element being formed with concentric means for engaging a complementary wall section of said chamber spaced from said first named complementary wall section; whereby said sight may be arranged in the chamber with its axis in coincident relation to the axis of the chamber.

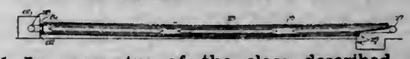
2,294,914
SHOWER BATH CABINET
Paul W. Kerr, Elkhart, Ind., assignor to Henry Weis Manufacturing Company, Inc., Elkhart, Ind.
Application July 15, 1940, Serial No. 345,514
3 Claims. (Cl. 117—103)

3. The method of forming a slip-proof finished surface on a metal receptor for a shower bath cabinet or the like which comprises suspending particles of sand throughout a quantity of finely ground enamelling frit to provide a substantially uniform mixture, said particles being of higher melting point than the frit and individually substantially invisible in said mixture and said mixture having a color contrasting with that of the receptor surface, maintaining the sand particles in uniform suspension throughout the frit by dispersion in a liquid medium, spraying said mixture in the form of a thin coating of uniform thickness onto the receptor surface and controlling the thickness and uniformity of said coating by reference to said color contrast, limiting the thickness of the coating so that when fired portions of the particles of sand will project above the finished surface, and then firing the coating at such a temperature as to fuse the frit to the particles



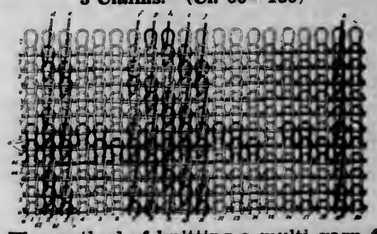
of sand and to the surface to which the coating is applied without substantially fusing the particles of said.

2,294,915
SHEET MAKING APPARATUS
Edouard M. Kratz, Ogden Dunes, Ind., assignor to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware
Original application May 19, 1939, Serial No. 274,481. Divided and this application August 29, 1940, Serial No. 354,642
12 Claims. (Cl. 198—202)



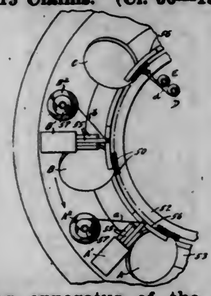
1. In apparatus of the class described, the combination of an elongated conveyor belt, means for supporting said conveyor belt adjacent its opposite ends, and guide means supported by said conveyor belt for maintaining the same in a predetermined path of travel.

2,294,916
METHOD OF MAKING KNITTED FABRICS
Raymond Kretser, New York, N. Y.
Application July 31, 1940, Serial No. 348,754
3 Claims. (Cl. 66—135)



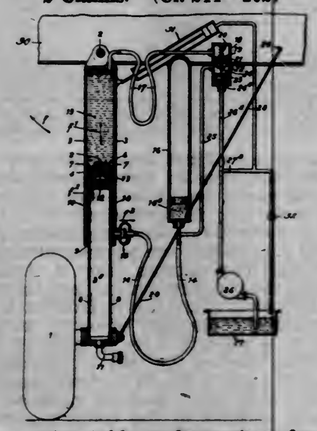
1. The method of knitting a multi-yarn fabric comprising the steps of knitting each one of a plurality of yarns, each yarn being individual to a needle and being fed exclusively to one of the needles of a multi-feed knitting machine in intermittent courses to form an intermittent series of individual loop stitches from a single yarn throughout the stitch formation, said stitches extending wale-wise of the fabric, from each of said yarns, knitting a plurality of other yarns on a plurality of needles to form a series of course-wise stitches, floating the said course-wise stitch forming yarns across the wrap stitches and floating the said wrap stitch forming yarns across the course-wise stitches in the courses where said wrap stitches are not formed.

2,294,917
KNITTING APPARATUS
Raymond Kretser, New York, N. Y.
Application January 27, 1941, Serial No. 376,061
15 Claims. (Cl. 66—135)



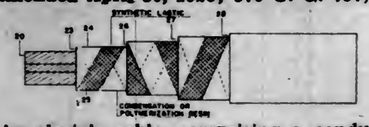
1. Knitting apparatus of the character described, comprising in combination, a needle bed having needles thereon, cam means for raising selected needles to latch clearing position, said cam means and said needle bed being movable relative to one another, yarn guiding means associated with said cam means and stationary relative thereto to feed yarn exclusively to the selected needles raised by said cam means, cam means for raising other selected needles to latch clearing position arranged in fixed relation relative the first named cam means, yarn guiding means associated with the said last named cam means, for feeding, exclusively, an individual yarn to each of the selected needles raised by the said last named cam means, said individual yarn guides being stationary relative to the said first named cam means and a spool rack and associated series of yarn spacing and guiding means stationary relative to the said needle cylinder and each series of yarn guiding means lying in a straight row which is at a relatively small angle to an intersecting radius of the needle cylinder.

2,294,918
RETRACTABLE UNDERCARRIAGE FOR AIRPLANES AND THE LIKE
René Lucien Levy, Montrouge, France, assignor to Société d'Inventions Aéronautiques et Mécaniques, S. I. A. M., Fribourg, Switzerland
Application July 31, 1939, Serial No. 287,635
In France July 26, 1938
2 Claims. (Cl. 244—102)



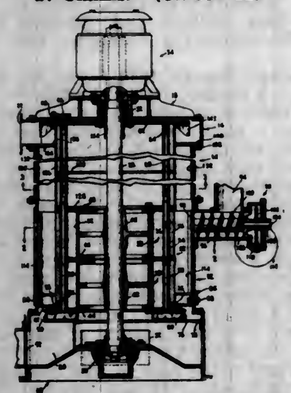
1. In a retractable undercarriage for an airplane having a retracting mechanism, a landing member, a telescopic shock absorber for said landing member, a pivot for connecting the shock absorber to the airplane whereby the shock absorber may turn on the pivot to swing the landing member to a retracted position, a linkage secured to the airplane and the shock absorber for decreasing the length of the shock absorber during the retraction of the landing member, a piston in said shock absorber providing a chamber on each side thereof, an auxiliary container, a pipe connecting one chamber of the shock absorber with said container, a normally closed valve interposed in said pipe when the shock absorber is in a landing position, a pipe connecting said auxiliary container with the other chamber of said shock absorber, a pump for retracting the landing member, and means for opening said valve at the instant when the shock absorber starts to swing to a retracted position.

2,294,919
INSULATED ELECTRIC CABLE AND THE LIKE
Jesse B. Lunsford, Washington, D. C.
Application July 18, 1939, Serial No. 285,053
9 Claims. (Cl. 174—123)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



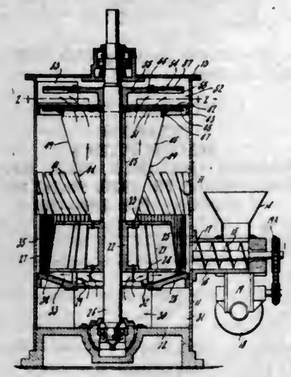
2. An electric cable, comprising a conductive core, three coaxial layers upon said core, each said layer comprising alternating helically wound, substantially equal strips of synthetic resin having high dielectric properties and of synthetic lastic, the synthetic lastic strip in the outermost of said layers substantially radially overlying the said strip in the innermost of said layers, and the said lastic strip in the intermediate layer being staggered longitudinally of said cable with respect to the other two said strips, said layers being bonded together throughout their whole surfaces of contact with each other.

2,294,920
PULVERIZING MACHINE
Henry G. Lykken, Minneapolis, Minn.
Application November 13, 1936, Serial No. 110,732
17 Claims. (Cl. 83—11)



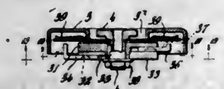
10. A machine for delivering pulverized material of predetermined sizes comprising a casing, means for supplying a gaseous medium to said machine at low pressure, a driven shaft mounted for rotation in said casing, a rotor for causing attrition of particles upon each other by movement of the gaseous medium, a hollow cylinder for causing classification of the pulverized materials, the rotor and the cylinder being mounted upon said shaft, and an outlet for the classified material located at one end of the casing, the cylinder extending from adjacent the outlet inwardly a substantial distance toward said rotor.

2,294,921
MECHANISM FOR DELIVERING PULVERIZED MATERIAL
Henry G. Lykken, Minneapolis, Minn.
Application August 31, 1938, Serial No. 227,670
3 Claims. (Cl. 83—11)



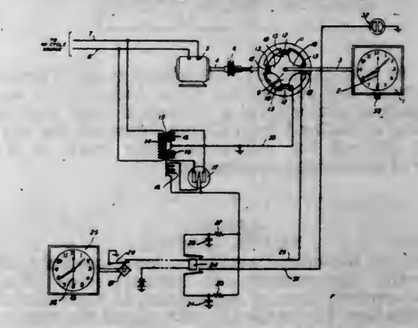
3. In a machine for delivering pulverized material of a selected maximum particle size, a casing, a bladed rotor mounted therein of less diameter than the casing and of substantially a corresponding length, the rotor also being of substantially less diameter at one end and tapering toward the opposite end, means for feeding air and suspended material into said casing near the smaller end of said rotor and into the space around said rotor, a plate closing the larger end of said rotor except for an outlet for selected material in the central portion thereof, and means for drawing air and selected material through said outlet.

2,294,922
CLOSURE CAP
Assad M. Malluk, New York, N. Y.
Application November 14, 1938, Serial No. 240,257
2 Claims. (Cl. 220—40)



1. A closure cap comprising a body member formed with a cuplike depression, a carrying member mounted for rotational movement below the cap, a thumb piece disposed in said cuplike depression and having a rotatable shank secured to said carrying member, a set of latching lugs endwise movable in slots formed in the carrying member, and having elongated apertures, set screws passing through the elongated apertures and into the carrying means for clamping the latching lugs in adjusted position, and a second set of lugs on said body member, whereby rotation of the thumb piece will bodily swing the first named set of lugs relatively to the second set of lugs.

2,294,923
ELECTRIC CLOCK SYSTEM
Robert F. Massonneau, Scarsdale, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 31, 1941, Serial No. 395,968
7 Claims. (Cl. 58—35)



1. In combination, a secondary clock having a seconds hand, means connected to the shaft of said seconds hand for driving said clock, a resetting motor having a multipole rotor mounted on said shaft, a multipole stator and stator windings and means operable at precise intervals under the control of a master clock for momentarily energizing said stator windings whereby the pole-pieces of said rotor are brought into alignment with the pole-pieces of said stator to advance said seconds hand in either a clockwise or a counter-clockwise direction depending upon whether said secondary clock is slow or fast.

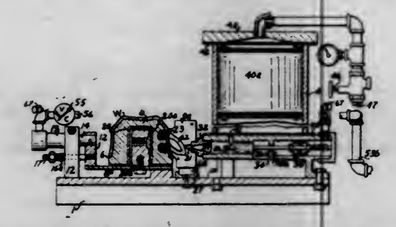
2,294,924
TREATMENT OF CELLULOSE WITH ALKALI METAL AMIDES IN ANHYDROUS LIQUID AMMONIA
Clemmy O. Miller, Milwaukee, Wis., and Arthur E. Siehrs, Chicago, Ill., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Original application November 30, 1937, Serial No. 177,389. Divided and this application March 29, 1939, Serial No. 264,857
40 Claims. (Cl. 260—209)

1. The process which comprises reacting a carbohydrate with an alkali metal amide in a medium of anhydrous liquid ammonia.

2,294,925
MANUFACTURE OF REACTIVE FORMS OF CELLULOSE AND THE LIKE
Clemmy O. Miller, Milwaukee, Wis., and Arthur E. Siehrs, Chicago, Ill.
No Drawing. Application March 29, 1939, Serial No. 264,858
16 Claims. (Cl. 260—209)

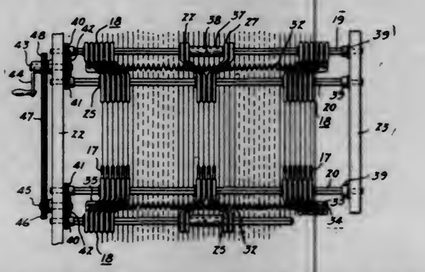
1. In the preparation of reactive carbohydrates, the improvement which comprises treating a carbohydrate with an aliphatic amine dissolved in liquid, anhydrous ammonia.

2,294,926
MANUFACTURE OF APPENDAGED POTTERY WARE
William J. Miller, Swissvale, Pa.
Application March 15, 1937, Serial No. 131,026
17 Claims. (Cl. 25—22)



1. In apparatus for appendaging potteryware, a device for supporting ware incident to appendaging comprising, a contoured body portion having a resilient insert lying adjacent the surface thereof for reinforcing the ware in the zone of appendage application.

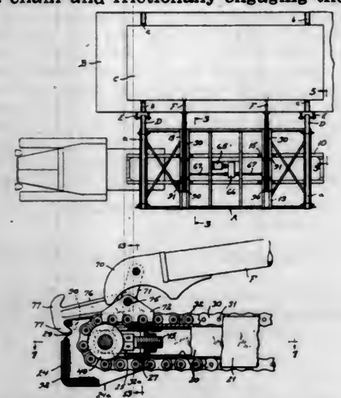
2,294,927
BLADE SPACER
Harry N. Niebuhr, Davenport, Iowa, assignor, by mesne assignments, to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Maryland
Application November 12, 1938, Serial No. 239,973
16 Claims. (Cl. 146—88)



1. In a slicing machine, a plurality of spaced cutter blades, means for actuating the blades, a pair of spaced, substantially parallel supporting members disposed transversely with respect to the blades and adjacent thereto, a spreading element slidably mounted on each supporting member, and a guide member extending between the supporting members and carried by the spreading elements, said guide member having a portion to receive and guide one of the blades and a body portion which is oblique to the supporting members.

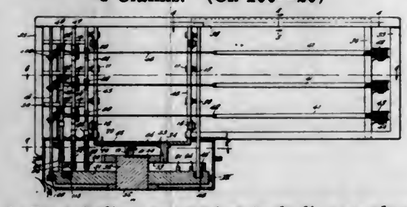
2,294,928
MECHANISM FOR TRANSFERRING FREIGHT
Ragnar A. Norbom, New York, N. Y., assignor to National Fitch Corporation, New York, N. Y., a corporation of Delaware
Application February 24, 1941, Serial No. 380,242
9 Claims. (Cl. 214—38)

1. In a freight transferring mechanism, the combination of a vehicle adapted to carry a container, a carriage on the vehicle shiftable to project beyond the edge thereof, an endless chain looping around the carriage, means on the vehicle for driving the chain, and a projection on the carriage in the path of movement of the chain and frictionally engaging the chain



to insure the chain moving the carriage when the carriage is free.

2,294,929
BALER PRESS
Ralph A. Openshaw, Mesa, Ariz.
Application August 29, 1939, Serial No. 292,470
3 Claims. (Cl. 100—20)

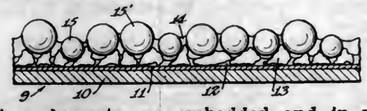


1. In a baling apparatus including a plunger, wire handling means for tying wires around the bale and means for actuating the wire handling means including a master wheel, a shaft rotatably supported and to which the master wheel is connected, a toothed wheel rotatably supported on the shaft, a rack connected with the plunger and engaging the teeth of said toothed wheel, a spring-pressed dog pivotally connected with the shaft and engaging a notch in the toothed wheel for communicating movement of the toothed wheel to the shaft when the plunger is moving in one direction, the dog moving out of the notch when the toothed wheel is being moved by the plunger when the plunger moves in the opposite direction, latch means for holding the dog in inoperative position, latch means for holding the master wheel against movement, a rotary shaft, cams thereon for moving the two latch means to releasing position, and adjustable means actuated by the movement of the bale being formed for rotating the cam shaft.

2,294,930
REFLEX LIGHT REFLECTOR
Philip V. Palmquist, Minneapolis, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application April 7, 1941, Serial No. 387,282
15 Claims. (Cl. 88—82)

1. A reflex light reflector comprising a light-returning layer of small transparent spheres providing a multiplicity of contiguous convex lens

elements, an underlying reflector spaced from said spheres, an interposed layer of transparent spacing elements of smaller dimension than said spheres, and a transparent matrix in which said

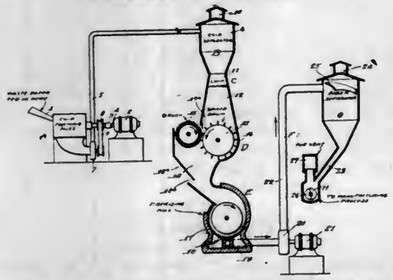


spacing elements are embedded and in which said spheres are partially embedded, said matrix and said spacing elements constituting a transparent solid medium between said spheres and said reflector.

2,294,931
VITREOUS ENAMEL CONTAINING ZIRCONIUM AND PROCESS FOR PREPARING SAME
Maxime Pâquet, Saint-Maure-des-Fosses, France
No Drawing. Application May 26, 1939, Serial No. 276,022
9 Claims. (Cl. 106—48)

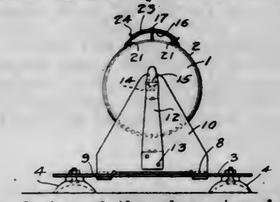
1. A process of making an enamel having a zirconium-containing opacifying constituent, particularly adapted for application to ceramicware, which comprises first preparing a frit containing about 40% to about 55% of silica, about 4.5% to about 10% of aluminia and about 8% to about 12% of boric anhydride, and about 8% to about 10% of zirconia, the amount of alkali metal compounds in said frit being not substantially above 7.4%, figured as Na_2O, and which frit is at least nearly saturated with zirconia, and thereafter milling this zirconium-containing frit while in the presence of an opacifying agent containing a zirconium compound.

2,294,932
CONTINUOUS MANUFACTURE OF FIBROUS MATERIAL
John Page, Evanston, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application January 10, 1939, Serial No. 250,156
7 Claims. (Cl. 83—94)



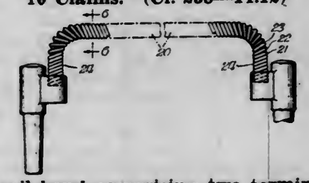
1. The process of continuously and uniformly producing a stream of loosely interlaced bulky fibrous material which comprises the steps of feeding fibrous sheets to a comminuting means of the hammer-mill type in which said sheets are initially reduced to flaked form, pneumatically moving the thus produced flakes to a cyclone air separator and from the latter discharging the flakes to a hopper adapted to prevent the packing of the flakes therein, uniformly and continuously removing a predetermined bulk of said flakes from said hopper and feeding it continuously and uniformly into a second comminuting means of the hammer-mill type in which said flakes are comminuted essentially to their initially fibrous condition, pneumatically transferring the thus formed fibers to a second cyclone separator and swirling them therein to cause them to form loosely interlaced small fibrous aggregates, and removing said aggregates by means of a blast-deflecting device from said swirling zone at a continuous and uniform rate.

2,294,933
IDENTIFICATION DEVICE
Arthur Pursell, Jonesboro, Tenn.
Application August 11, 1941, Serial No. 406,426
5 Claims. (Cl. 41—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



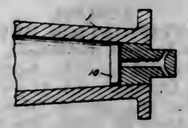
1. In a device of the character described, a cylinder and a support therefor upon which said cylinder is rotatably mounted, said cylinder being adapted to carry a sheet for recording inked palm impressions, whereby the engagement of an inked palm with said sheet under pressure and movement of said palm in a direction perpendicular to the axis of rotation of said cylinder is adapted to effect the recording of said palm impression on said sheet subtsantially uniformly in outline and detail with respect to the concave and convex contours of said palm by reason of their contact with the cylindrical surface of said sheet, the support for said cylinder, including a base and collapsible hinged uprights to releasably engage the ends of said cylinder to render the latter freely rotatable.

2,294,934
RAIL BOND
Roy C. Raasch, Chicago, Ill.
Application August 15, 1939, Serial No. 290,265
10 Claims. (Cl. 238—14.12)



1. A rail bond comprising two terminals each having a head and a tapered shank for driving into a hole drilled horizontally through the web of a rail, each terminal also including an offset lug rigidly secured to the head, and a lengthwise integrally formed conductor of uniform cross-section connecting said terminals, said conductor including a substantially straight intermediate section which extends parallel to the rails when the bond is installed, said conductor also including two relatively short and substantially straight end sections which extend toward the rails from the ends of said intermediate section to the lugs on said terminals, each of said end sections being disposed parallel to the axis of its associated terminal, whereby up and down vibration of the rails produces torsional strains in said end sections rather than bending strains at the junctions of the conductor and terminals.

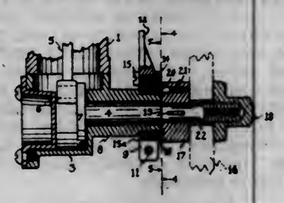
2,294,935
CENTRIFUGAL MOLD STOPPER
Scott B. Ritchie, United States Army, Cootes Store, Va.
Application July 3, 1941, Serial No. 400,942
5 Claims. (Cl. 22—148)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A vent plug for a chill mold comprising a cylindrical body with an axial bore and auxiliary bores branching from said axial bore.

2. A vent plug for a chill mold comprising a main body portion with an axial bore and auxiliary bores branching from said axial bore, and a metallic cup-shaped member fixed to the base of said main body portion.

2,294,936
ENGINE IGNITION MECHANISM
Clifford W. Rogers, Detroit, Mich., assignor to Rogers Motor Company, a common-law trust of Pennsylvania
Application August 26, 1940, Serial No. 354,178
5 Claims. (Cl. 200—24)



1. In an internal combustion engine, an ignition make-and-break device comprising a driven shaft, a bearing journaling said shaft, a split annular insulating member mounted on said bearing and having a surface substantially transverse to said shaft, a contact member carried by said insulating member and having a contact face substantially flush with said face of the insulating member, the insulating member being rotatively adjustable to shift said contact member about the bearing axis, a collar fixed on said shaft adjacent to said bearing, and a contact carried by said collar and resiliently pressed against said face, and means for regulably contracting said insulating member upon the bearing to oppose a predetermined resistance to rotation of said member.

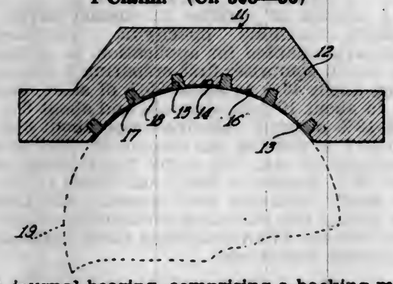
2,294,937
CEVITAMATE COMPOUND
Simon L. Ruskin, New York, N. Y.
No Drawing. Application February 26, 1938, Serial No. 192,789
4 Claims. (Cl. 260—344)

1. As a therapeutic agent, the product of the reaction of an organic therapeutic compound having a reactive NH group taken from the class consisting of ephedrine, benzedrine, and adrenaline, with an amount of cevitamic acid sufficient to convert substantially all of the said compound into an addition compound with cevitamic acid, said product being soluble in water and non-toxic to human beings.

2,294,938
OXYGENATED ESTROGENIC HORMONES AND METHOD OF PREPARING SAME
Erwin Schwenk, Montclair, N. J., assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application May 13, 1939, Serial No. 273,416
18 Claims. (Cl. 260—397.4)

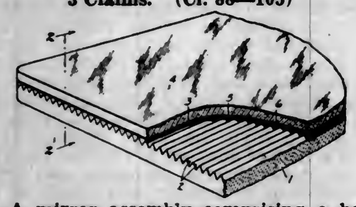
1. The method of producing oxygenated derivatives of 13-methyl-cyclopentano-polyhydrophenanthrene compounds unsaturated in ring A, which comprises subjecting a 13-methyl-cyclopentano-polyhydrophenanthrene compound unsaturated in ring A to mild oxidizing conditions whereby ketonic oxygen is added in ring B, and recovering the keto compound so produced.

2,294,939
JOURNAL BEARING
Robert J. Shoemaker and Charles M. House, Chicago, Ill.
Application August 15, 1938, Serial No. 224,995
1 Claim. (Cl. 308—56)



A journal bearing, comprising a backing member of relatively hard metal having a bearing surface and a plurality of diagonal grooves therein intersecting each other to provide spaced, diamond-shaped portions on said bearing surface of substantially greater total area than said grooves, and a lining portion of relatively soft metal secured to said backing portion, comprising inserts disposed within said grooves, and a thin bearing portion formed integrally with said inserts covering said diamond-shaped portions to provide a uniform surface on the entire bearing, the thickness of said bearing portions over said diamond shaped portions being uniform to facilitate initial running in of the bearing, the cross sectional areas of said grooves and inserts, in the plane of said bearing surface, decreasing inwardly from said bearing surface to provide increasing resistance to shock as the bearing is worn away.

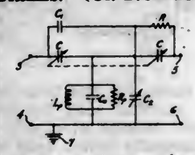
2,294,940
MIRROR BACKING
Max Skolnik, Chicago, Ill.
Application February 17, 1940, Serial No. 319,469
3 Claims. (Cl. 88—105)



1. A mirror assembly comprising a backing member of hardened magnesium oxychloride cement composition, a plane glass mirror with a silvered surface, and a bituminous material

having a liquefying point of at least 200° F., said bituminous material forming a layer between and adhering to said cement and said silvered surface.

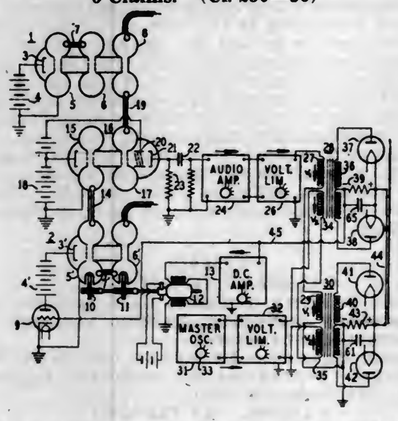
2,294,941
NULL TYPE METER AND METHOD
William Norris Tuttle, Concord, Mass., assignor to General Radio Company, Cambridge, Mass., a corporation of Massachusetts
Application January 8, 1941, Serial No. 373,615
23 Claims. (Cl. 175—183)



1. A method of measuring an impedance comprising connecting the impedance to provide a transmission path between the input and output circuits of a T network and balancing the current in the output circuit from the T network against the current from the transmission path.

17. A null-type circuit for measuring an impedance having, in combination, a circuit element or elements, means for connecting the impedance to the circuit element or elements to produce a T network having the impedance in the shunt arm thereof and having two series arms each having a variable capacitor, the capacitors being simultaneously variable to maintain their capacitances substantially equal, a T network having a series arm containing a substantially pure fixed capacitance, a series arm containing a substantially pure fixed resistance, and a shunt arm containing a substantially pure variable capacitor, the networks having common input and output terminals, and means for adjusting the capacitance of the variable capacitors to render the transfer impedances of the networks substantially equal and of opposite sign.

2,294,942
FIXED FREQUENCY DIFFERENCE STABILIZATION SYSTEM
Russell H. Varian, William W. Hansen, and Edward L. Ginzton, Stanford University, Calif., assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif.
Application November 20, 1940, Serial No. 366,358
6 Claims. (Cl. 250—36)



6. In ultra-high frequency oscillator apparatus, an electron stream excited oscillator comprising means producing an electron stream, velocity changing, energy interchanging and buffer hollow resonators mutually spaced apart in succession along the stream, mechanical means coupling said velocity changing and energy interchanging resonators together, said buffer resonator being but unilaterally coupled to said other resonators by the electron stream, and means for extracting oscillator output energy from said buffer resonator, said buffer resonator serving to prevent said energy extracting means from varying the frequency of said oscillator.

2,294,943
WET MOP
Stanley Wallace, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application June 3, 1938, Serial No. 211,499
10 Claims. (Cl. 15—119)



5. A mop construction comprising a relatively stationary roller and a relatively movable roller, a spring operative to urge said movable roller away from said stationary roller, means for moving said movable roller against the action of said spring into juxtaposition to the stationary roller, means for retaining said movable roller in said position, and a mop head connected to each of said means, the first-mentioned means being movable to wring said mop between said rollers and operative through the second-mentioned means to release said spring for separating said rollers.

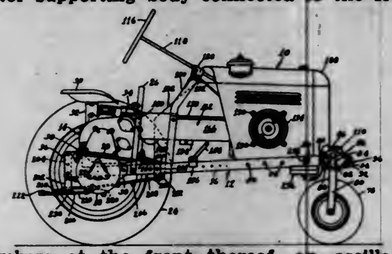
2,294,944
PRINTING PLATE PREPARATION
William H. Wood, Bedford, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application January 8, 1941, Serial No. 373,627
12 Claims. (Cl. 101—149)

1. In the treatment of lithographic printing plates after formation of the printing image, before printing applying to the non-image areas of the plate an aqueous solution of mesquite gum with smaller amounts of a soluble bichromate and phosphoric acid.

2,294,945
TRACTOR
William L. Zink, Plano, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 4, 1939, Serial No. 297,849
6 Claims. (Cl. 180—54)

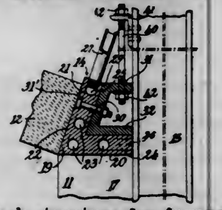
1. A device of the character described comprising a pair of spaced apart frame members, a transmission housing supported by rear transport wheels and provided with a pair of spaced apart depending portions, said frame members

being extended between the depending portions and connected to the transmission housing, a motor supporting body connected to the frame



members at the front thereof, an oscillating cross beam positioned forwardly of and connected to the supporting body, and front wheels connected to and supporting the cross beam.

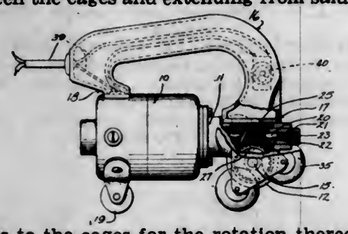
2,294,946
SKEWBACK
Charles H. Aldrich, Elizabeth, N. J., assignor of one-half to The American Metal Company, Limited, New York, N. Y., a corporation of New York, and one-half to The International Nickel Company of Canada, Limited, Copper Cliff, Ontario, Canada, a corporation of Canada
Application October 6, 1939, Serial No. 298,172
7 Claims. (Cl. 122—6)



1. A skewback structure for furnaces comprising a cooled member, having one or more fluid-carrying passages therein adapted for connection to a circulating fluid supply system, and a reinforcing member for augmenting the strength of the cooled member, the latter being of metal of relatively high heat conductivity whereby to effect rapid heat transfer to fluid passing through said passages but of insufficient strength to withstand the thrust of a furnace roof, intended to be supported thereby, without appreciable deformation, and said reinforcing member being of material of sufficient strength to enable the skewback structure to withstand the thrust of the roof of the furnace without appreciable deformation.

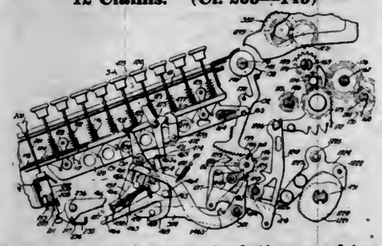
2,294,947
MASSAGING DEVICE
Mathew Andis, Racine, Wis., assignor to Andis Clipper Company, Racine, Wis., a corporation of Wisconsin
Application May 17, 1940, Serial No. 335,653
6 Claims. (Cl. 128—57)

4. A motor powered massager adapted to be manually moved over the surface to be massaged while non-frictionally supported therefrom, said massager comprising motor means, wheeled supporting means therebeneath for carrying the motor means from the surface to be massaged, said wheeled supporting means comprising two spaced planetary sets of applicators, each including at least three applicators, mutually spaced rotatable coaxial cages upon which the respective sets of applicators are mounted for rotation in a manner to transfer the load of said motor means from one applicator to another in the course of cage rotation, means mounting said cages for rotation, driving connections disposed between the cages and extending from said motor



means to the cages for the rotation thereof, and a handle for guiding said massager connected with said motor means at a side thereof opposite the side beneath which said roller means is disposed and away from the surface traversed.

2,294,948
CALCULATING MACHINE
Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application April 29, 1940, Serial No. 332,221
12 Claims. (Cl. 235—145)

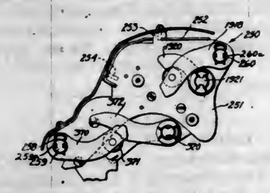


12. In a motor driven calculating machine having a cyclically operable actuating mechanism, control mechanism therefor including an actuation initiating key, settable value selecting devices for said actuating mechanism, setting means for said devices comprising a keyboard including a plurality of depressible keys; and normalizing mechanism; the combination of an operating device for said normalizing mechanism comprising means operable by power derived from the motor to operate said normalizing mechanism, and means for initiating operation of said power operable means; and control means for said operating device comprising mechanism operable by any of a plurality of the keys of said keyboard, means operable by said key operable mechanism including an element selectively settable to effect an operating connection between said last mentioned mechanism and said operation initiating means, means operable in response to said actuation initiating key upon actuation thereof for setting said element to its effective position and means operable as an incident to actuation of said operation initiating means by said control means for setting said element to its ineffective position.

2,294,949
CALCULATING MACHINE
Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Original application January 22, 1940, Serial No. 315,055. Divided and this application January 27, 1941, Serial No. 376,172
8 Claims. (Cl. 235—144)

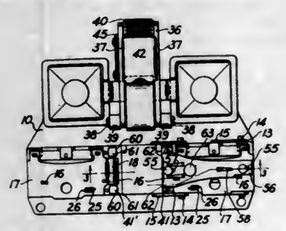
1. In a calculating machine having a frame,

and a shiftable carriage having a register thereon; the combination of carriage supporting means comprising a shaft rockably mounted in said carriage and bearings on said frame supporting said shaft for longitudinal movement thereon; means for rocking said shaft comprising a keyway on said shaft, a member slidably keyed thereon for transmitting rocking movement to said shaft in different shifted positions of said carriage, and mechanism mounted on said frame for rocking said member; said keyway



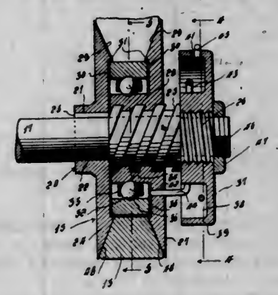
normally extending substantially at right angles to the direction of bearing pressure of said shaft and said rocking movement thereof being insufficient to move said keyway completely through the pressure areas of said bearings; means comprising a second shaft carried by said carriage for zeroizing said register, and a pair of members each connected to one of said shafts and forming coacting cam surfaces, said members coacting to operate said second shaft at a rate of speed varying from that of said first mentioned shaft.

2,294,950
ATTACHMENT FOR FILM SPLICING APPARATUS
David L. Babcock, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 24, 1939, Serial No. 258,256
13 Claims. (Cl. 154—42)



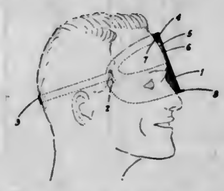
13. In a film splicing apparatus, the combination with a base, a pair of film holding tables mounted thereon, each for receiving a film, one table being fixedly mounted on said base, and the other table being movably mounted on said base to move to and from a splicing position relative to said stationary table in which position the ends of the films carried by each table are in overlapping relation to form a film splice, of means carried by, and on top of, said tables for exerting a pressure downwardly upon the film splice when said tables are in splicing position, said means including a one-piece platen movable to and from covering relation with said splice, a member movably mounted on the top of said platen and normally urged away therefrom, a stop on a fixed part of said apparatus into engagement with which said member is adapted to be moved and forced downwardly, whereby the pressure normally acting to move the same away from is transmitted downwardly upon said platen to induce a pressure upon said film splice.

2,294,951
PULLEY
William E. Baker, Chickasha, Okla., assignor of one-third to Albert L. Baker and Sylvia May Baker, both of Chickasha, Okla.
Application January 2, 1941, Serial No. 372,911
4 Claims. (Cl. 74—230.17)



1. A speed governing V-pulley over which a V-belt is adapted to be trained, said pulley including a hub having a flange adjacent its inner end, said hub having an intermediate threaded portion, a flange having a threaded bore for engaging said threaded portion, said flanges having opposed outwardly flared sides for engaging sides of the V-belt, said belt being adapted to turn in a direction for unscrewing the last mentioned flange from the hub to move it away from the other flange, a member mounted on the outer end of the hub and detachably secured thereto, and a coil spring wound around a portion of said member and having one end detachably anchored thereto and its opposite end anchored in the last mentioned flange to turn therewith, said spring being under tension and being wound in a direction to urge the last mentioned flange to turn in a direction, opposite to the direction in which it is rotated by the belt.

2,294,952
EYESHADE
Olav Blodjer, Stockton, Calif.
Application June 14, 1939, Serial No. 279,138
3 Claims. (Cl. 2—12)



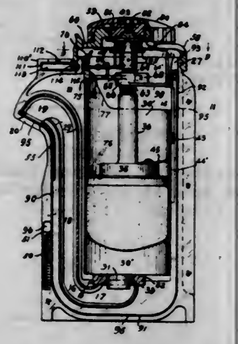
3. An eye-shade comprising a one-piece, transparent, flexible panel of sufficient height to extend from the forehead down to a point some distance below the eyes of the wearer and of sufficient length to extend about the head to terminations beyond the eyes, said panel being longitudinally slotted intermediate its ends between its top and bottom edges but relatively close to the top edge whereby to form a narrow forehead embracing band along the top of and integral with the panel and a head encircling unit connected at its ends to the panel at the ends thereof, and a stiffening flange extending lengthwise of the panel along its lower edge for a substantial portion of the length thereof.

2,294,953
ELECTRIC SWITCH
Arnold A. Bluemle, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 18, 1939, Serial No. 309,741
6 Claims. (Cl. 200—16)



1. In an electric switch, the combination comprising, an apertured switch back, a terminal board supported in spaced relation therefrom, fixed contacts comprising round pins loosely projecting through the apertures of the switch back, and having reduced shanks, connectors secured to the said shanks, and helical springs engaging the shanks and seated against the terminal board to yieldably project the fixed contacts through the switch back.

2,294,954
COIN CONTROLLED DISPENSING DEVICE
James J. Brady, West Englewood, N. J., assignor to Carol-Kay Company, Inc., Jersey City, N. J., a corporation of New Jersey
Application May 11, 1939, Serial No. 273,110
16 Claims. (Cl. 194—87)

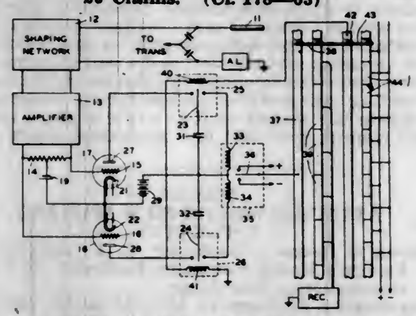


1. A dispenser comprising a body provided with a chamber having a lower opening and with a duct from the opening having a discharge spout; a removable container in the chamber open at the upper end and having a neck in said opening; a removable cover on the body provided with a coin slot; a plunger in said container; a laterally movable lever; means on the plunger mounting the lever for lateral movement; means operated by the lever to drive the plunger downwardly; said lever carrying a coin carrier normally under said coin slot and open at the bottom; said container having a coin-receiving edge portion under said slot; a rotary cap member over said cover; a spring retracted operating arm connected to said member and adapted on rotation of the member to pass into the carrier and push a coin in the carrier and consequently the carrier until the coin has passed said portion and drops into the container.

2,294,955
PROCESS FOR THE MANUFACTURE OF UNSATURATED ALDEHYDES
Joseph H. Brant, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 11, 1938, Serial No. 224,358
7 Claims. (Cl. 260—601)

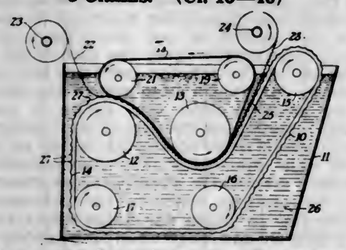
1. In a process for producing unsaturated aliphatic aldehydes, the step which comprises reacting materials containing formaldehyde with another aliphatic aldehyde, in the presence of a lead acetate catalyst maintained at a temperature greater than 200° C. and less than 400° C.

2,294,956
RECEIVING SYSTEM
William D. Buckingham, Southampton, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application October 15, 1938, Serial No. 235,212
20 Claims. (Cl. 178—63)



1. A telegraph receiving system comprising means for receiving from a single source polarized telegraph signal effects which include intelligence signals and/or intelligence signals mutilated by the superimposition thereon of interference effects, means for determining the polarity of the predominant energy content of said signal effects, and means controlled by said polarity determining means for producing unidirectional signals, each having the polarity of the predominant energy content of the corresponding signal effects.

2,294,957
METHOD OF CRIMPING TEXTILE FIBERS
John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 23, 1940, Serial No. 366,887
3 Claims. (Cl. 18—48)

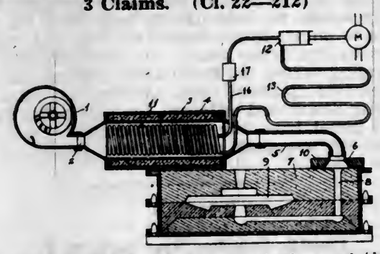


1. A process for crimping moldable synthetic filaments which comprises laying the filament into surface contact with an elastic surface provided with a plurality of transverse flutes when the flutes are in a stretched position and crimping the filament by contracting the flutes upon the filament resting therein while the filament is in a moldable condition.

2,294,958
YARN CONDITIONING PROCESS AND COMPOSITIONS THEREFOR
John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 16, 1940, Serial No. 370,349
10 Claims. (Cl. 252—8.9)

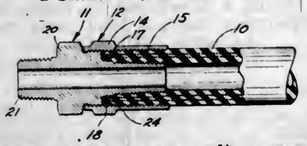
1. The process of conditioning textile yarns to render them amenable to textile operations such as knitting, weaving, spinning and the like which comprises applying thereto a yarn treating composition containing a terpene ether derived from a polyhydric alcohol and a di-olefinic terpene.

2,294,959
METAL CASTING
Norman M. Campbell, Muskegon Heights, and Donald J. Campbell, Spring Lake Township, Ottawa County, Mich.
Application March 20, 1940, Serial No. 324,976
3 Claims. (Cl. 22—212)



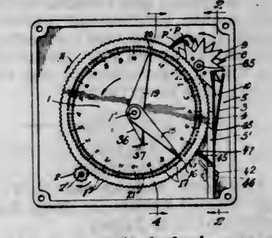
1. The method of casting steel consisting in providing a mold having a mold cavity and passages extending to said cavity, refrigerating air to a temperature of approximately zero degrees Fahrenheit, blowing the refrigerated air into the mold cavity until the mold has reached a temperature below thirty-two degrees Fahrenheit and while the mold temperature is below thirty-two degrees Fahrenheit, flowing molten steel into the mold cavity.

2,294,960
HOSE COUPLING
Bert G. Carlson, Willobee, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application April 25, 1941, Serial No. 390,297
1 Claim. (Cl. 285—84)



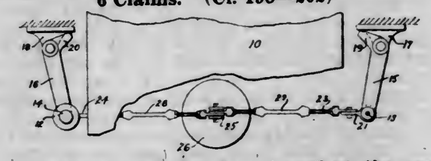
A quick attachable hose coupling comprising a sleeve and a body, said sleeve having a wrench engaging outer surface and a substantially straight internal bore threaded throughout its length and adapted to engage the outer surface of a flexible hose, said body having a tapered standpipe projecting therefrom and adapted to engage the internal bore of the hose and expand the hose against said sleeve, said standpipe being externally threaded for a portion of its length and being smooth adjacent its inner end, the smooth portion of said standpipe having a minimum diameter substantially equal to the maximum diameter of the threads on said standpipe and terminating in a radially extending portion, said body having an enlarged threaded portion adapted to engage the threads on said sleeve disposed adjacent said radially extending portion, a wrench-engaging portion, and means disposed on the opposite side of said body from said standpipe for connecting said coupling to another fluid passageway, said sleeve and said standpipe being so proportioned that on assembly the hose is clamped with sufficient force to cause the material of the hose to flow and fill the entire annular space between the sleeve and the standpipe and be compressed against said radial end wall.

2,294,961
TIME SWITCH
Fritz E. Carlson and Johannes West, Chicago, Ill.
Application June 5, 1941, Serial No. 396,702
3 Claims. (Cl. 200—38)



1. An automatic control device comprising a frame, a pivotally mounted dial thereon, means to rotate said dial continuously at a constant speed, index arms pivotally mounted coaxially with said dial and carried thereon each in adjustable rigid relation thereto, a plurality of electric switching means mounted on said frame, ratchet and cam actuators also coaxial with said dial, and concentric shaft means connecting said arms and respective ratchet and cam means respectively.

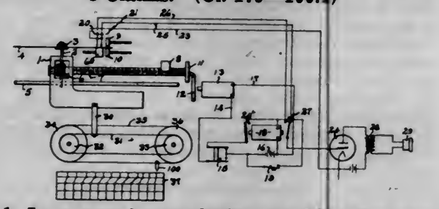
2,294,962
CENTERING DEVICE FOR OVEN BANDS
John Allan Cassell, Brooklyn, N. Y., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application July 7, 1939, Serial No. 283,158
6 Claims. (Cl. 198—202)



1. In a device of the class described, the combination of an endless band, a thrust roller movably mounted adjacent each edge of the band in position to be engaged by the edge of the band when it shifts laterally, means preventing movement of the rollers inward toward the band but permitting movement outward from the band, toggle links connected at their outer ends to said

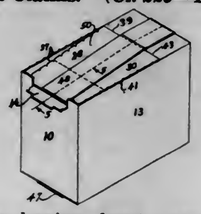
roller mounting means and connected together at their inner ends beneath the band, and a weight supported by the connected ends of the toggle links.

2,294,963
VARIABLE SPEED PLAYBACK FOR SOUND MACHINES
Henry Peter Clausen, White Plains, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application December 21, 1940, Serial No. 371,069
8 Claims. (Cl. 179—100.4)



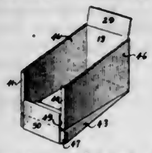
1. In a sound reproducing machine the combination including means for supporting a record tablet for rotation, means having fixed radially spaced styli for converting the record on said tablet into electrical currents, said styli being spaced to engage different radial points in the record on said tablet, means for causing relative movement between said tablet and said converting means at a constant linear speed and means for selecting the converting means whereby the rate of sound reproduction may be varied.

2,294,964
CARTON
Bruce J. Davidson, Manhasset, N. Y., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application June 9, 1939, Serial No. 278,227
2 Claims. (Cl. 229—17)



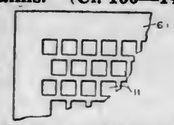
1. A carton having front, rear and two side walls and four top sealing flaps each integral with one of said walls along a fold line at its top edge, said flaps being folded inwardly and secured together to form a top wall of the carton, the front wall having a rectangular potential opening and closing tab formed therein by a readily fracturable line along three sides of the tab, the fourth side of the tab being a part of the integral fold line between said front wall and its top flap, the fracturable lines at the ends of the tab being substantially parallel to each other and perpendicular to said fourth side, tear lines extending from the ends of the top edge of the tab along the fold line joining said front wall and its top flap to the opposite edges thereof, tear lines extending from the ends of said first tear lines along the fold lines joining the top edges of the two adjacent side walls to their top sealing flaps, said tear lines terminating at a score line extending across the carton and adapted to form a hinge, said tab and that part of the top defined by said tear lines being adapted to be turned about said hinge upon breaking said fracturable line and tear lines to open the carton, said part of the top upon closing the carton passing within and binding against said three walls from which it has been detached, and said tab extending through the opening and outward beyond the wall from which it was formed to provide a means for reopening and reclosing the carton, said tab bearing on the bottom of said opening to provide a closure.

2,294,965
SHIPPING AND DISPLAY CONTAINER
Bruce J. Davidson, Manhasset, N. Y., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application February 2, 1940, Serial No. 316,901
7 Claims. (Cl. 206—44)



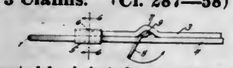
1. A blank for a combined shipping and display carton having formed thereon by vertical score lines front, rear and two side panels, closing flaps at the top and bottom edges of the panels secured thereto along horizontal score lines, there being a potential display support defined on the blank by indicia comprising lines extending diagonally across the side panels from their top rear edges to points intermediate the top and bottom edges of the front panel and a horizontal line extending across the front panel joining the ends of the two diagonal lines and vertical lines extending downward adjacent the side edges of the front panel from the said horizontal line a distance not less than one half the height of the front panel.

2,294,966
SCREEN
Camille Dreyfus, New York, N. Y.
Application February 3, 1940, Serial No. 317,152
8 Claims. (Cl. 156—14)



1. An insect screen comprising a transparent sheet having a basis of an artificial organic material, said sheet having openings therein of sufficiently small size as to prevent the passage of insects therethrough and in sufficiently large number to permit free circulation of air.

2,294,967
ADJUSTABLE ROD JOINT
Daniel A. Eberhardt, St. Louis, Mo.
Application September 9, 1940, Serial No. 355,905
3 Claims. (Cl. 287—58)

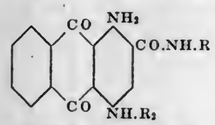


3. An adjustable joint for an expansible frame comprising a pair of adjacent relative slidable resilient rod sections, spaced members for maintaining said sections in sliding relationship and substantially contiguous between said members, a key positioned between said members having an orifice passing one of the sections and an end

portion bearing against the adjacent surface of the other section, constructed and arranged to restrain relative movement of the sections when the key is in one position and to permit relative movement of the sections when the key is in an alternate position.

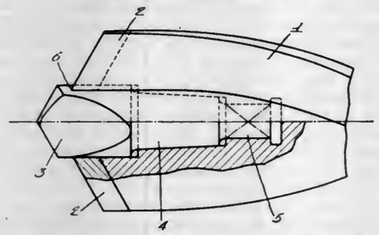
2,294,968
DYESTUFFS AND PROCESS OF COLORING
George Holland Ellis and Frank Brown, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 19, 1939, Serial No. 291,005. In Great Britain August 29, 1938
6 Claims. (Cl. 260—377)

1. An anthraquinone-2-carboxylic amide of the formula



where R is a monohydroxyalkyl group and R_2 is a radicle selected from the group consisting of phenyl and tolyl.

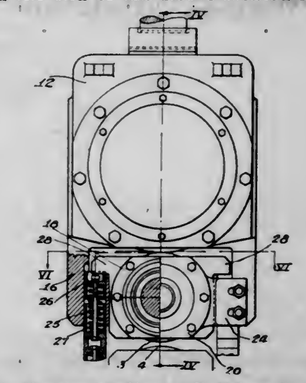
2,294,969
ROTATABLE CHIP-CUTTING TOOL
Karl Albert Engvall and Erik Gisslén, Goteborg, Sweden
Application September 11, 1941, Serial No. 410,462
In Sweden March 8, 1940
1 Claim. (Cl. 77—65)



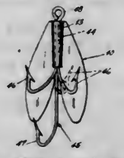
A rotatable chip cutting tool comprising an outer member of greater diameter and an inner member of less diameter fixed to the outer member coaxially therewith and at the forward end thereof, the said inner member having cutting edges of high-speed steel, there being cutting edges of hard metal alloy at the forward end of the outer member, the said hard metal alloy edges extending inwardly to a radius which is less than the greatest radius of the cutting edges of the inner member and being recessed into the inner member behind the cutting edges of the inner member in the direction of rotation of the tool.

2,294,970
ROLLING MILL WITH OPERATING ROLLS AND SUPPORTING ROLLS
Bengt Fagerström and Knut Wilhelm Axel Lundström, Goteborg, Sweden
Application September 3, 1941, Serial No. 409,416
In Sweden August 14, 1940
9 Claims. (Cl. 80—55)

1. In a rolling mill with operating rolls and supporting rolls, the combination of a radial bearing for an operating roll, the inner and outer part of said radial bearing being relatively axially slidable, a spring enclosed in a sleeve connecting the bearing of the operating roll with the bearing housing of the adjacent supporting roll, the sleeve being slidably mounted in a guide formed in the bearing housing of the supporting roll, and the end of the sleeve located most adjacent to the supporting roll being in engagement with a recess in the bearing housing of the operating roll, for the purpose of axially guiding the bearing housing of the operating roll in dependence of the bearing housing of the supporting roll.



2,294,971
FISH LURE
Charles E. Fehringer, East St. Louis, and Cletus L. Fehringer, Dupo, Ill.
Application February 19, 1940, Serial No. 319,622
1 Claim. (Cl. 43—42)

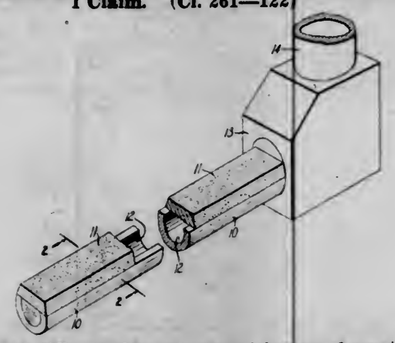


In combination, a fish hook including a shank, a plurality of barbs disposed in the same relationship to the shank and a single barb disposed rearwardly of the first barbs, and an integral fish lure device of rubber including a central portion disposed about the shank of the hook, said device including a pair of spaced wings connected to the central portion and extending laterally and rearwardly past and beyond the group of barbs to the single barb.

2,294,972
IMPROVING SCRUBBING MEDIUMS BY MEANS OF AMINOPHENOL DERIVATIVES
Louis J. Figg, Jr., and Edward E. Shaulis, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 21, 1940, Serial No. 320,168
11 Claims. (Cl. 183—115)

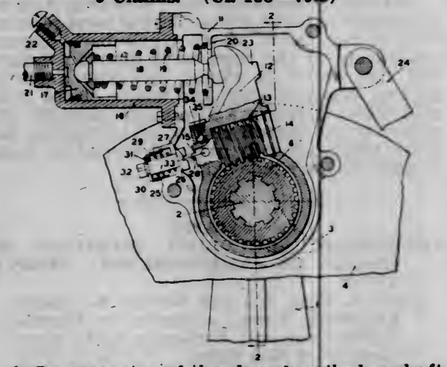
1. In the manufacture of artificial gas by procedure wherein the gas is subjected to a scrubbing medium essentially comprised of straw oil, the step which comprises scrubbing said gas with a straw oil scrubbing medium containing a small amount of an alkyl aminophenol.

2,294,973
FLUID TREATMENT DIFFUSER ELEMENT
Curry E. Ford, Lakewood, Ohio, assignor to National Carbon Company, Inc., a corporation of New York
Application February 2, 1940, Serial No. 316,928
1 Claim. (Cl. 261—122)



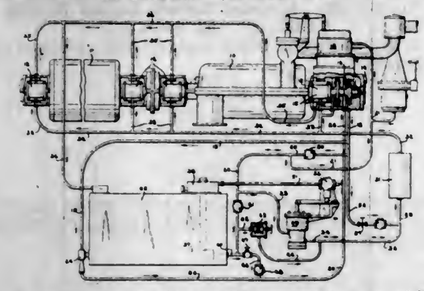
A gas diffuser element comprising an elongated impervious preformed carbon channel portion and an elongated substantially flat porous carbon portion of substantial thickness united, only by a fluid impervious cement, at but one surface of the porous portion, to the tops of the ends of the legs of the channel portion to form a conduit; said porous portion having inwardly sloping sides and being entirely outside of, and extending substantially to the outer edges of the said channel portion, whereby both the flat top and the sloping sides of the porous portion are exposed to permit them to function as diffuser surfaces, and a minimum part of the porous portion is covered by said cement.

2,294,974
COMBINED FLUID MOTOR AND SLACK ADJUSTER
Walter R. Freeman, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application March 1, 1941, Serial No. 381,319
9 Claims. (Cl. 188—79.5)



1. In apparatus of the class described, a shaft, an actuating arm mounted on the shaft, adjusting means between the arm and the shaft, means for operating the arm, means for biasing the arm to an inoperative position, a fixed casing surrounding the arm and the portion of the shaft to which it is connected, and means for operating the adjusting means from the exterior of the casing, said last named means comprising a member carried only by the casing and having a portion extending to the exterior thereof, and means for connecting said member to the adjusting means only when the arm is in an inoperative position.

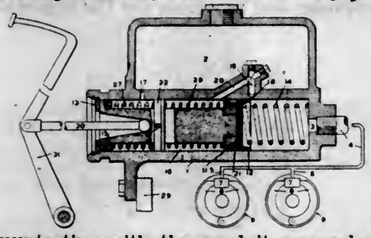
2,294,975
AUXILIARY PUMP REGULATOR
Julius J. Gabalis, Philadelphia, and Anthony F. Schwendner, Ridley Park, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 5, 1941, Serial No. 381,804
12 Claims. (Cl. 103—16)



1. The combination with a system providing oil under high and low pressures and including main and auxiliary pumps, a driving motor for the auxiliary pump, and means for controlling the supply of energy to the driving motor, of a regulator for the energy-controlling means and including first and second pistons operatively connected to the latter, spring means acting on the pistons to move the latter in a direction to increase the energy supply, means providing first and second chambers for the first and second pistons and the latter having areas exposed to the chambers and so disposed that fluid pressures in the latter act on areas to oppose the spring means, means including a restriction for supplying oil from a high-pressure portion of the system to the first chamber, means for supplying oil from a low-pressure portion of the system to the second chamber, means providing for relative movement of the pistons in response to pressure changes in the chambers, and valve means responsive to relative movement of the pistons for controlling the escape of oil from the first chamber.

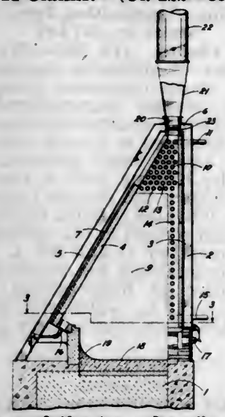
2,294,976
MASTER CYLINDER
Clarence V. Gardiner, Birmingham, Mich., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application September 16, 1940, Serial No. 356,888
2 Claims. (Cl. 60—54.6)

1. In a master cylinder construction, a cylinder, a piston reciprocable therein, means including a portion of the cylinder and a reduced portion of the piston forming an annular fluid containing chamber at the rear of the piston, means comprising a packing cup associated with the piston face for preventing at all times fluid from passing the piston from the cylinder ahead thereof but not in the opposite direction, conduit means independent of the piston for connecting the portion of the cylinder ahead of the piston for two-way communication with the chamber at the rear thereof only when the piston is in retracted position, a reservoir communicating with the chamber at the rear of the piston, an annular piston slidable on the reduced portion of the first named piston and dividing the annular chamber into two compartments, a spring for biasing the annular piston to a position intermediate the portion of the chamber communicating with the reservoir and the portion



communicating with the conduit means leading to the cylinder ahead of the first piston, means including a packing cup preventing fluid from flowing past the annular piston from the forward compartment to the rear compartment but not in the opposite direction, and a second weaker spring interposed between the two pistons.

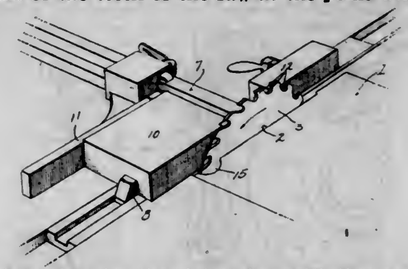
2,294,977
HEATER
James N. Garrison, Cleveland Heights, and John H. Henzel, Garfield Heights, Ohio
Application July 2, 1940, Serial No. 343,612
11 Claims. (Cl. 122—356)



1. A heater of the type described including a pair of walls arranged in converging relation, walls completing the heater enclosure, a bank of radiant tubes disposed adjacent the surface of one of said pair of walls, means for discharging burning fuel substantially parallel and closely adjacent to the surface of the other of said pair of walls, and a bank of convection tubes disposed at the apex between said pair of converging walls.

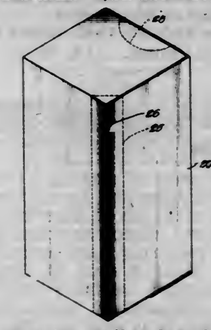
2,294,978
ROTARY SAW APPARATUS
Louis J. Gilg, Milwaukee, Wis., assignor to The Journal Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 14, 1941, Serial No. 402,260
6 Claims. (Cl. 29—69)

1. The combination with a rotary saw provided with peripheral teeth, of a saw table provided with a slot within which the saw is rotatable, said table having an opening through the table communicating with said slot adjacent the path of movement of the teeth of the saw at the point where



such teeth enter the slot and constituting a delivery port for the escape of work particles propelled by the saw teeth.

2,294,979
DISPENSING MEANS
Max Goldberg, Chicago, Ill., assignor to National Soda Straw Company, Chicago, Ill., a corporation of Illinois
Application May 9, 1940, Serial No. 334,121
1 Claim. (Cl. 229—17)

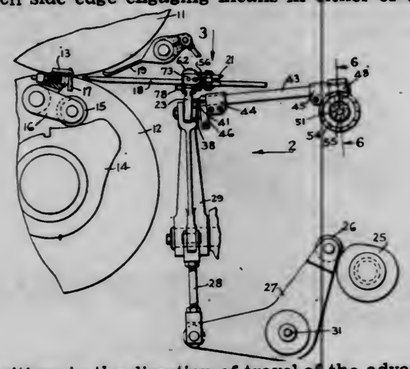


A dispensing carton of the class described made from a single blank of flexible material cut and scored to form a box construction consisting of four contiguous walls defined and hingedly connected together by lines of scoring and provided at their ends with flaps to close the ends thereof, and adapted and arranged to be folded into a rectilinear box form, there being perforations in said blank extending throughout the length of two of said adjoining walls substantially parallel with the scored line between them and also extending diagonally across the adjacent inner corners of the corresponding end flaps and surrounding one corner of said box to render the same readily removable.

2,294,980
SHEET REGISTERING MECHANISM FOR PRINTING MACHINES
Morris S. Gudger, New York, and Edwin W. Goodwin, New Rochelle, N. Y., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application January 7, 1942, Serial No. 425,814
20 Claims. (Cl. 271—58)

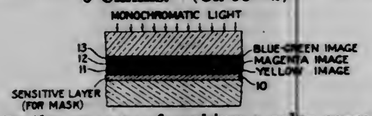
1. In a sheet fed printing machine having registering means engaged by the forward edge of an advancing sheet, second means at one side of the sheet to engage one of its side edges, third means at the other side of the sheet to engage the opposite side edge and press the sheet against

the second means, and other means to position each side edge engaging means in either of two



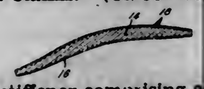
positions in the direction of travel of the advancing sheets.

2,294,981
COLOR CORRECTION
Wesley T. Hanson, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 25, 1940, Serial No. 337,300
6 Claims. (Cl. 95—2)



1. In the process of making a color correcting universal mask from and for register with a colored original made up of superimposed subtractive color images, when reproducing the original by a process requiring fixed amounts of correction for the color of each of said images, the steps of exposing a sensitive layer through the original by substantially monochromatic light whose wave length is that at which the relative absorptions of the coloring materials constituting said images are proportional to the relative amounts of correction required for these images and developing the layer to the correcting gamma corresponding to the undesired absorptions.

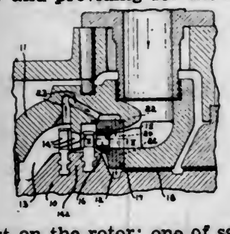
2,294,982
SHANK STIFFENER
Everett G. Hathaway, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 31, 1941, Serial No. 386,005
11 Claims. (Cl. 36—76)



1. A shank stiffener comprising a solid body of plastic material encased in a tubular metallic covering.

2,294,983
STEAM TURBINE APPARATUS
Robert Hertl, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 29, 1941, Serial No. 390,863
4 Claims. (Cl. 253—69)

4. In a turbine, a cylinder and a rotor providing chambers therebetween; an impulse stage including stationary and moving blades carried by the cylinder and by the rotor, respectively, and a nozzle block provided with nozzle passages for supplying elastic fluid to the blades; a dummy construction cooperating with the rotor and with the cylinder and providing for the imposition of



steam thrust on the rotor; one of said chambers being arranged between the dummy construction and said stage at the elastic-fluid inlet side of the latter and the other chamber being arranged at the outlet side thereof; and means including a passage formed in the nozzle block to provide an equilibrium passage connecting the chambers.

2,294,984
PROCESS FOR PRODUCING AND DISTILLING ALIPHATIC ACIDS
Rudolph Leonard Hasche, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 29, 1939, Serial No. 281,899
5 Claims. (Cl. 260—530)

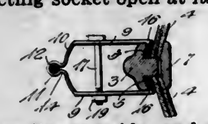
1. A process of oxidizing butyraldehyde to butyric acid which comprises substantially simultaneously passing butyraldehyde and air through a column of catalyst solution comprising a cobalt salt dissolved in butyric acid, said catalyst solution having been activated to a dark green color by blowing with a gas containing free oxygen, during the process heating at least a part of the activated catalyst solution containing butyric acid formed in the process to a temperature between 100° C. and 165° C., and during the process maintaining the temperature of the catalyst solution at temperatures within the range 100° C.–165° C., which will maintain the volume of the solution substantially constant.

2,294,985
METHOD OF PREVENTING ABRASION OF PLASTIC SHEETING
Edwin H. Hilborn, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 19, 1940, Serial No. 361,974
6 Claims. (Cl. 18—48)

1. The method of temporarily preventing abrasion of a plastic sheet which comprises coating the sheet with a protective coating which will sublime if exposed in air for a substantial period and suppressing sublimation of the coating while forces tending to abrade the sheet are active.

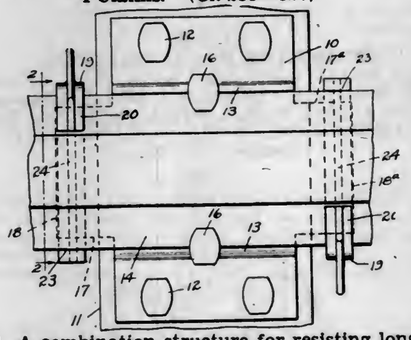
2,294,986
FLAG HOLDER
Thomas E. Hynek, Chico, Calif.
Application October 6, 1941, Serial No. 413,901
3 Claims. (Cl. 248—41)

3. A flag holder comprising a bracket formed from a strip of resilient metal bent to provide a bridge and arms extending rearwardly from opposite ends of the bridge, the portion of the strip forming the bridge being crimped to form a forwardly projecting socket open at its top and bot-



tom and along its rear side, and a bolt passing through the arms transversely of the bracket and when tightened serving to draw the arms to a gripping position and constrict the socket along its open side for gripping a flag staff.

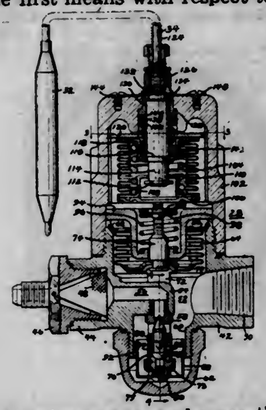
2,294,987
COMBINED TIE PLATE AND RAIL ANCHOR HOLDER
George E. Johnson, Chicago, Ill., assignor, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware
Application June 19, 1941, Serial No. 398,802
4 Claims. (Cl. 238—327)



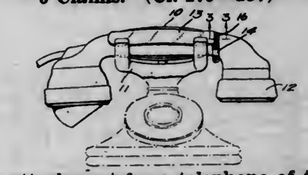
1. A combination structure for resisting longitudinal creeping movements of a railroad rail in both forward and reverse directions comprising a rail anchor device of a type adapted to be driven transversely of a rail from either side thereof into clamping engagement with a base portion of the rail and having a vertically disposed under rail portion, and a tie plate member including a tie plate body secured to the top face of a cross tie and formed with a tongue bent into vertical hook form to provide a channel opening upwardly for receiving said vertically disposed portion of the rail anchor during the application of the anchor device to the rail whereby said rail anchor device has a vertical and transverse sliding engagement in said channel to permit lateral and vertical movements of said rail and said anchor device relative to the tie plate, but resists movement of the rail in either forward or reverse directions.

2,294,988
REFRIGERATING APPARATUS
Daniel L. Kaufman, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 28, 1937, Serial No. 145,317
4 Claims. (Cl. 285—25)

1. In combination, a casing means for confining a gas and provided with an aperture therein, a first means for providing a connection between the exterior and the interior of said casing means extending through said aperture, a single rotatable adjustment means cooperating with the first means and the casing means and having a bearing upon one of said cooperating means and being in threaded engagement with the other of said cooperating means for adjusting the position of the first means with respect to the aperture in the casing means, and a gas-tight sealing member located within the casing means and held in sealing engagement with the casing means and the first means for sealing the casing means



2,294,989
TELEPHONE ATTACHMENT
Clifford D. Keely, Bloomfield, N. J.
Application October 20, 1939, Serial No. 300,317
6 Claims. (Cl. 179—157)

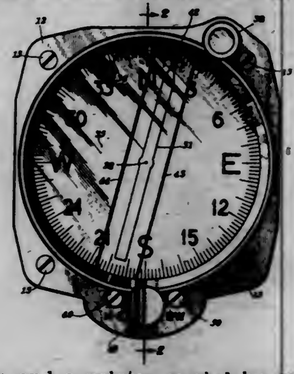


1. An attachment for a telephone of the hand set type, said attachment comprising a blade member adapted to be hingedly attached to the grip portion of the hand set adjacent one end of said portion, and in inoperative position to extend substantially parallel to the same and in substantial contact therewith to form a part of the gripping surface of said portion, said member being capable of rotation on its hinge to a position such that when the telephone is in use said member will extend downwardly upon the shoulder of the user and serve to support the telephone so as not to require the use of the hands.

2,294,990
DIRECTIONAL INSTRUMENT
Paul Kollsman, New York, N. Y., assignor, by mesne assignments, to Square D Company, Detroit, Mich., a corporation of Michigan
Division and continuation of application July 7, 1938, Serial No. 217,904. This application February 17, 1940, Serial No. 319,390
6 Claims. (Cl. 33—223)

1. A compass comprising, in combination, an instrument casing having a front window surrounded by a mounting flange for fixed mounting on an instrument panel; a directional magnet mounted in said casing for movement in azimuth; a first substantially vertical shaft mounted in said casing coaxial with said directional magnet and coupled with said directional magnet; a second substantially horizontal shaft; a

gear train connecting said first and second shaft so that error torques set up by oscillatory vibrations about one shaft tend to oppose the error torques about the other shaft; a substantially vertical dial in said casing visible through said



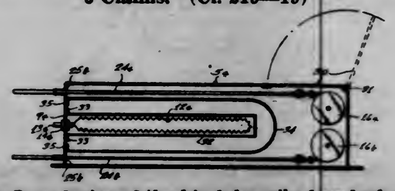
window; and a pointer carried by said second shaft and movable relatively to said dial, whereby errors caused by oscillatory vibrations acting on the fixedly mounted instrument will be eliminated.

2,294,991

COMBINATION RAZOR STROP HOLDER AND HEATER

William V. Kommer, Catawissa, Mo.

Application November 27, 1941, Serial No. 420,659
3 Claims. (Cl. 219—19)



1. In a device of the kind described and wherein is embodied an elongated case rectangular in cross-section and having spaced and parallel slots formed through its front end, adjacent and parallel to the top and bottom sides thereof,—a pair of spring actuated winding spools operatively mounted in the rear end of the case at top and bottom thereof, the spring action of the two spools being reversed as to each other and so as to rotate inwardly at their peripheral margins lying adjacent the top and bottom sides of the case, a pair of razor strops passed freely through the end slots of the case and connected at their inner ends to the said spools at the margins thereof adjacent the top and bottom sides of the case, an electrical heating element supported from the front end of the case between the two strops, and means for electrically energizing the heating element.

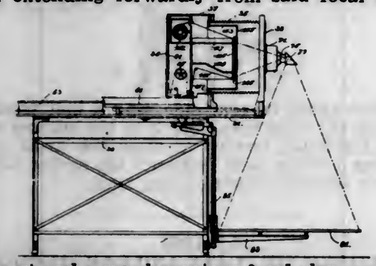
2,294,992

PHOTOCOPYING APPARATUS

Paul Landrock and Arthur W. Caps, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I., a corporation of Rhode Island

Application January 4, 1941, Serial No. 373,122
14 Claims. (Cl. 88—24)

1. An attachment for a camera of the type including a lens and a normal focal plane support and means for holding a supply of sensitized sheet material in position to have successive portions thereof placed on said normal focal plane support, said attachment including an extension member detachably mounted on and extending forwardly from said focal plane



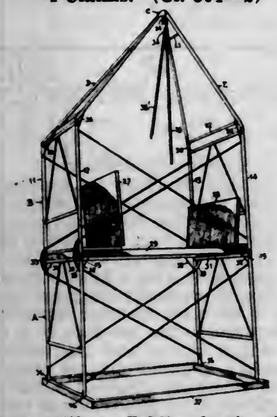
support and a supplementary focal plane support carried by said extension member in position to have sensitized sheet material placed on said supplementary focal plane support for exposure in a location closer to said lens than is possible when placed on said normal focal plane support.

2,294,993

HEADFRAME FOR SCAFFOLDING

John Michael Lavin, Los Angeles, Calif., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York

Application May 3, 1940, Serial No. 333,133
4 Claims. (Cl. 304—2)



1. For use with scaffolding having four tubular upright supporting members, a pair of triangular members adapted to be mounted on said scaffolding to form a headframe thereover, each of said triangular members having means on two legs thereof adapted to be detachably mounted in the upper ends of respective tubular upright members to bring the upper points of said triangular members into engagement over said scaffolding.

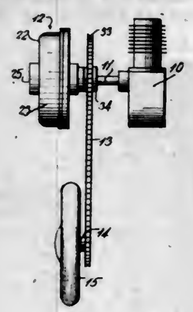
2,294,994

FLUID DRIVE FOR MOTORCYCLES

William V. Maze, Anderson, Ind., assignor to C. E. Miller Manufacturing Corporation, Anderson, Ind., a corporation of Indiana

Application September 26, 1940, Serial No. 358,568
1 Claim. (Cl. 60—54)

In a fluid drive of the character described, a motor having a crank shaft, fluid drive mechanism associated with the crank shaft and including a housing structure journalled on the crank shaft, an impeller fixed to the crank shaft within the housing structure and cooperating with the housing structure to effect rotation thereof, an elongated bearing extending axially and laterally of the housing at one side thereof, a shorter bearing disposed axially and laterally of the housing at the other side thereof, the



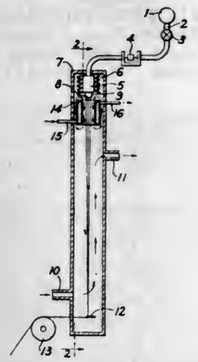
shorter bearing being journalled on the crank shaft within the housing structure, the elongated bearing being journalled on a lateral flange carried by said impeller and said elongated bearing being stepped inwardly toward its end remote from the housing structure and adapted to have a driven element secured to said remote end.

2,294,995

MANUFACTURE OF SYNTHETIC YARNS

John S. McLellan, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 21, 1939, Serial No. 305,523
2 Claims. (Cl. 18—54)



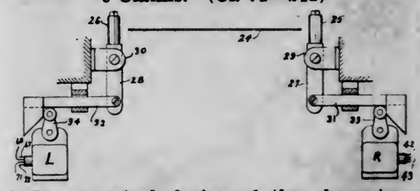
1. A method of making filaments composed of cellulose organic acid esters having improved properties of tensile strength and cross-sectional uniformity by the dry spinning method in which a spinning solution is extruded through a spinneret in the form of filaments first through a dead zone of relatively immobile evaporative medium and then into a current of evaporative medium passing counter-currently thereto, which comprises causing a current of air cooled below the temperature of the spinning solution to circulate by convection in the dead zone in a restricted space surrounding the immediate vicinity of the point of extrusion of and concurrently with the direction of travel of the filaments.

2,294,996

AUTOMATIC BAND CONTROL AND SIGNAL FOR OVENS

Harvey O. Mercier, East Orange, N. J., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey

Application November 16, 1939, Serial No. 304,757
9 Claims. (Cl. 74—241)



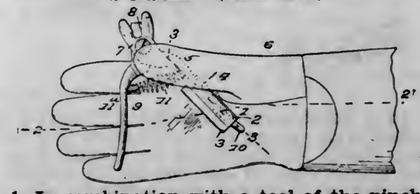
1. In a control device of the character described, the combination with an endless band passing around drums spaced apart of a control switch mounted adjacent each edge of one run of the endless band, each of said switches being normally open and adapted to be closed by contact with the edge of the band adjacent the switch upon lateral movement of the band toward it, means actuated upon closing of either of said switches to shift one of said drums angularly by recurring impulses until said band moves away from said closed switch, means for operating a signal intermittently upon closing of said switch, and means for stopping said impulses when said drum has been shifted angularly a predetermined distance in either direction and the operative control switch remains closed, whereby said shifting means becomes inoperative and said signal continues to operate intermittently.

2,294,997

TOOL CARRIER FOR GLOVES

Earl P. Merrion, Lake Wales, Fla.

Application February 27, 1941, Serial No. 380,949
2 Claims. (Cl. 2—160)



1. In combination with a tool of the pincher-type having operating handles, a glove having a holding and positioning element secured to palm of the glove to removably receive one handle of the tool and position the remaining handle to overlie at least two of the fingerstalls.

2,294,998

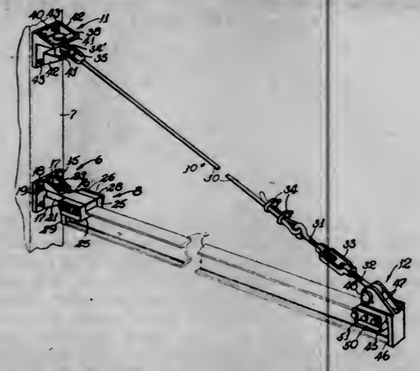
JIB CRANE

George A. Mitchell, Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey

Application January 9, 1941, Serial No. 373,758
3 Claims. (Cl. 248—282)

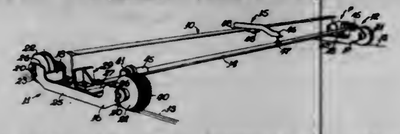
1. A construction assembly for making jib cranes comprising, in combination, upper and lower bearing brackets adapted to be secured to an upright support in vertically spaced relations, a jib supporting member having clamping means operative to frictionally engage the flanges of an I-beam adjacent one end of the beam, a stay anchoring member having clamping means operative to frictionally engage the flanges of the

I-beam adjacent the other end of the beam, said clamping means providing the sole connections between the beam and the members, means connecting said supporting member to said lower bearing bracket for pivotal movement about a vertical axis, a stay connectable between said



upper bearing bracket and said anchoring member to support the outer end of the beam, and abutments on said supporting member and said anchoring member engageable by the ends of the beam to prevent relative endwise movement of the beam and members.

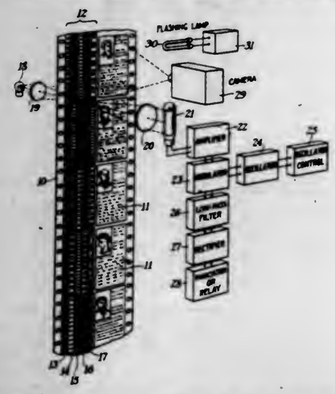
2,294,999
CONSTRUCTION ASSEMBLY FOR BRIDGE CRANES
George A. Mitchell, Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application February 7, 1941, Serial No. 377,785
4 Claims. (Cl. 105—163)



1. In a construction assembly for making a traveling bridge crane, the combination of a pair of end trucks for supporting an I-beam of selected length, each of said end trucks comprising a pair of U-shaped side members having elongated horizontal portions and upwardly extending end portions, and a transverse plate bridging the upper edges of said horizontal portions of the side members centrally thereof, wheels mounted in said end portions of the side members at opposite ends of each truck, said transverse plates on the trucks providing seats for the opposite ends of the I-beam, and a pair of angle members bolted to the seating plate of each of said trucks on opposite sides of the I-beam and engageable with the bottom flange of the I-beam and also with the web portion thereof to detachably fasten the I-beam to the truck.

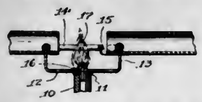
2,295,000
RAPID SELECTOR-CALCULATOR
Richard S. Morse, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 23, 1938, Serial No. 215,459
1 Claim. (Cl. 171—97)

A device adapted to be controlled by one particular frequency of a frequency track in which are recorded only certain frequencies differing from one another by a substantially constant frequency interval or multiples of this interval, which device comprises means for scanning the track and establishing an alternating electric energy of corresponding frequency, means including an oscillator for modulating this electric energy with another alternating electric energy,



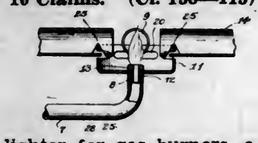
said oscillator producing the latter energy with a predetermined frequency which differs from said particular frequency by an amount between one fourth and one half of said frequency interval, a low pass filter connected to the output of the modulating means for transmitting only frequencies less than half of said frequency interval and electrical means connected to the low pass filter and operated by said frequencies.

2,295,001
LIGHTER STRUCTURE FOR GAS BURNERS
Ervin H. Mueller, Grosse Pointe, Mich.
Application August 11, 1939, Serial No. 289,539
4 Claims. (Cl. 158—115)



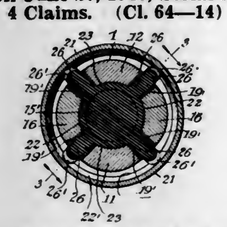
1. In a lighter structure for a plurality of gas burners grouped around a pilot flame, a supporting cup member having an upstanding circumferential wall, said wall having a bead formation on its upper edge, the upper edge of the wall having at least one notch formation therein which cuts through the bead, and said wall and bead being otherwise uninterrupted throughout, means for supplying gas to the central portion of the cup for the pilot flame, flash tubes for extending from the pilot flame to the burners, each flash tube having a slot in its wall adjacent the pilot flame end thereof, said slot being elongated circumferentially of the tube and having enlarged end portions and a constricted intermediate portion, the constricted intermediate portion having a cross dimension less than that of the bead and adapted to pass into the notch formation, whereby upon shift of the tube along the wall the parts defining the constricted portion engage under the bead, the enlarged end portions of the slot freely receiving the bead so that the tube, when thus engaged therewith, is slidable throughout the extent of the wall.

2,295,002
LIGHTER FOR GAS BURNERS
Ervin H. Mueller, Grosse Pointe Park, Mich.
Application May 20, 1940, Serial No. 336,089
10 Claims. (Cl. 158—115)



1. In a lighter for gas burners, a supporting member comprising a wall extending around a pilot flame, said wall having a plurality of separate circumferentially elongated ways therein spaced from the top of the wall and substantially paralleling the top of the wall, thereby providing strip-like portions thereabove, a flash tube for extending from the supporting member to each burner and coupling means on each flash tube in the form of a notch and a tongue partially closing the notch, said notch adapted to pass over and receive one of said strip-like portions when the tube is angularly positioned relative to a perpendicular to the wall and the tongue adapted to be engaged under the strip-like portion in said way when the tube is moved to a position substantially at right angles to the portion of the strip in the notch.

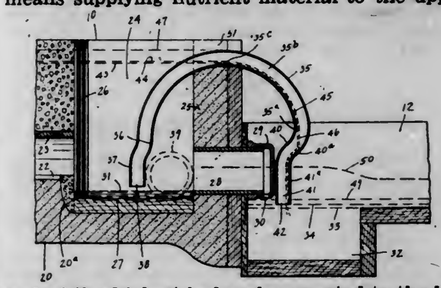
2,295,003
FLEXIBLE DRIVE COUPLING
Efrem N. Natkins, New York, N. Y.
Application June 27, 1940, Serial No. 342,656
4 Claims. (Cl. 64—14)



4. A coupling comprising a pair of opposed alineable yoke members each comprising a rotary yoke and spaced lugs, the lugs of one member being disposed between lugs of the other member; an insert between said members comprising a central body substantially at the axis of the yokes having yieldable radial arms disposed between and engaging adjacent faces of adjacent lugs; the lug faces engaging each arm and the engaged arm-faces being approximately parallel to each other and to a radial plane passing midway between the faces of the arm, thereby eliminating tendency to carry the arm from between the lugs; the outer end portions of the arms where they project from the lugs being reduced so as to lie entirely between and away from the planes of said parallel faces; and a restraining ring disposed around the assembly of lugs and insert and substantially spaced from the lugs, and entirely carried by the outer ends of the arms.

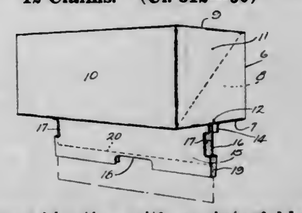
2,295,004
LIQUID CONTROLLED STRUCTURE
Orlando K. Owen, Jr., Terre Haute, Ind., assignor to The Dao Corporation, Terre Haute, Ind., a corporation
Application April 30, 1941, Serial No. 391,132
15 Claims. (Cl. 47—1.2)

1. A nutrient liquid culture structure including a plurality of culture beds, each slightly lower than the bed ahead, means connecting adjacent beds for conveying liquid nutrient from the higher to the lower bed, means for receiving the nutrient material discharged by the lowest bed, means supplying nutrient material to the upper



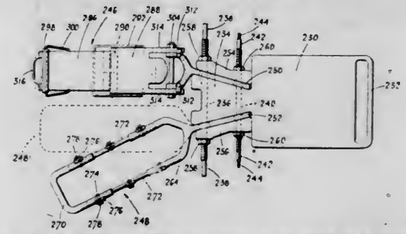
end of the highest bed and connected to the last mentioned means, the nutrient liquid flowing by gravity from the higher to the lower end of each bed, and low-head operable syphon means interposed between the low end of the upper bed and the first mentioned connecting means.

2,295,005
TOWEL DISPENSING CABINET
Finley Curtiss Peacock and John B. Engel, Green Bay, Wis., assignors to Bay West Paper Company, Green Bay, Wis., a corporation of Wisconsin
Application July 29, 1940, Serial No. 348,152
12 Claims. (Cl. 312—60)



1. The combination with an interfolded sheet dispenser having a dispensing slot, of a normally unobstructed enclosure about the path of sheet delivery through said slot to a distance greater than the length of the depending portion of an interfolded sheet hanging through said slot, said enclosure being provided with means at least at one side thereof, and spaced above the bottom of said enclosure whereby the portion of an interfolded sheet depending within said enclosure may be manipulated downwardly for a distance sufficient to expose the lower end of said sheet.

2,295,006
INVALID SUPPORT
Herman B. Philips, New York, N. Y.
Application March 4, 1940, Serial No. 322,165
9 Claims. (Cl. 5—82)



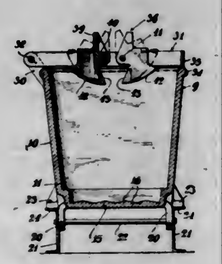
1. A stretcher-like support for invalids unable

to assume a sitting posture, said support comprising a stiff back support having a keystone-shaped member projecting therefrom, spaced rods extending transversely through said keystone member, the projecting portions of said rods being threaded, leg supports having angularly disposed arms apertured to receive the aforesaid rods, and clamping members and nuts to lock the leg supports to the back support.

2,295,007
APPARATUS FOR CASTING BULLION BLOCKS

Lewis Plass, El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

Application January 31, 1940, Serial No. 316,465
5 Claims. (Cl. 22—139)



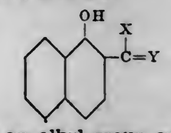
1. In a mold for casting bullion blocks, a member adapted to be positioned across the top of said mold, a pair of lugs carried by said member, said lugs being adapted to extend into the molten metal to form recesses with downwardly-converging, opposed surfaces in the top of the block suited to receive a lifting tool, said lugs being mounted for retraction from said recesses for releasing the member from the cast block.

2,295,008
PHOTOGRAPHIC COLOR FORMING COMPOUND

Henry D. Porter and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 11, 1941, Serial No. 382,746. In Great Britain March 12, 1940
11 Claims. (Cl. 95—6)

1. The method of producing a colored photographic image in a silver halide emulsion layer which comprises simultaneously developing an image therein and coupling the development product of an aromatic amino developing agent containing a primary amino group with a compound having the formula:



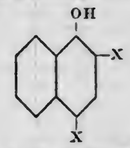
in which X is an alkyl group and Y is a group which, together with the carbon atom to which it is attached, produces a group selected from the class consisting of oxime, hydrazone, and semicarbazone groups.

2,295,009
PHOTOGRAPHIC COLOR FORMING COMPOUND

Henry D. Porter and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 11, 1941, Serial No. 382,747. In Great Britain March 12, 1940
11 Claims. (Cl. 95—6)

1. The method of producing a colored photographic image in a silver-halide emulsion layer which comprises simultaneously developing an image therein and coupling the development product of an aromatic amino developing agent containing a primary amino group with a compound having the formula:



in which one X is a hydrogen atom and the other X is an acyl group selected from the class consisting of valeryl and cinnamoyl groups.

2,295,010
PHOTOGRAPHIC SHUTTER

William A. Riddell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 31, 1940, Serial No. 363,616
7 Claims. (Cl. 95—63)



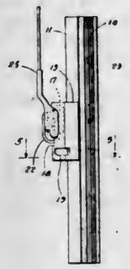
1. A photographic shutter of the type including a casing, a pivotally mounted master member mounted in the casing, a spring for driving the master member, shutter blades movably mounted in the casing, a blade ring oscillatably mounted in the casing and carrying a protuberance for moving the shutter blades, and means for setting and releasing the master member, the combination with said master member and said blade ring, of a lever pivotally attached to the master member and adapted to engage and move the blade ring protuberance to make an exposure, said lever including a latch element and a curved arm forming a cam concave toward the pivot of the lever and having portions of the cam spaced at different distances from the pivot, the arm and said blade ring being moved to open the blades by means of the latch element, and being moved to close the blades by the cam, as the master member is moved by its spring.

2,295,011
WINDSHIELD WIPER

Raymond A. Rodrick, Akron, Ohio

Application July 5, 1940, Serial No. 343,913
9 Claims. (Cl. 15—250)

5. In a windshield wiper embodying a rigid channel shaped backing member having a flat base portion terminating in convergent side walls, a flexible wiper mounted therein, an inherently resilient clasp in the form of a channel member having the sides thereof forming spring jaws to receive and frictionally hold said convergent side walls and also engage a portion

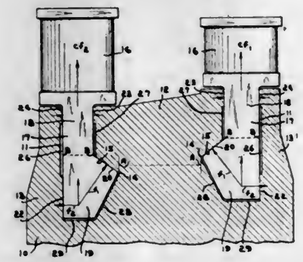


of the flat base of said backing member, said clasp movable longitudinally upon said backing member to any desired position and adapted to be held in said position by the resiliency of said jaws, a wiper arm and means disposed within the clasp and engaging said backing member to lock said wiper arm to the wiper.

2,295,012
TURBINE BLADING

Harold W. Semar, Springfield, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 8, 1941, Serial No. 382,322
6 Claims. (Cl. 253—77)

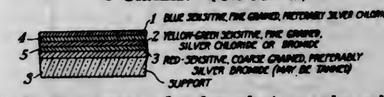


1. In a turbine, a rotor and a row of blades carried thereby, said rotor having first and second flanges defining a blade groove which is undercut at the second flange side to provide a bearing surface which overhangs the groove bottom and which is inclined outwardly and toward the first flange, said second flange being relatively thicker in an axial direction than the first flange, each blade having a root provided with an inner enlarged portion and the enlarged portion having a surface inclined conformably to said inclined bearing surface for engagement with the latter, and said first flange having a bearing surface adjacent to the bottom of the groove for engagement with the root with the inclined surface of the enlargement engaging said inclined bearing surface.

2,295,013
METHOD OF DEVELOPING MULTILAYER PHOTOGRAPHIC COLOR FILMS

Karl Schinzel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Original application April 29, 1937, Serial No. 139,759. Divided and this application August 9, 1938, Serial No. 223,948. In Austria May 9, 1936
6 Claims. (Cl. 95—2)

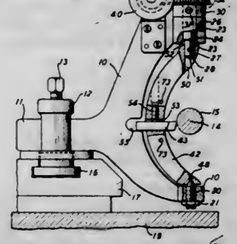


1. In a process of color photography wherein color component images are formed in each of three superposed layers by development of a silver image in each, followed by the formation of color images by reversal, the method of making the reversal images that comprises successively exposing the two outer layers to lights rendering them singly developable and developing differently colored images in each and treating the middle layer chemically to render it developable and developing an image of a third color therein.

2,295,014
TOOL

Karl A. Schmuldt, Teaneck, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application December 27, 1940, Serial No. 371,905
5 Claims. (Cl. 82—12)



5. A tool comprising a cutting member, an elongate element having spaced ends, one of which is of a truncated cone contour, and formed to support the cutting member between the said ends, a yoke having spaced ends, one of which has a truncated cone-shaped recess for interengagement with the similarly shaped end of the element, means to support the yoke, a center member in central alignment with the said recess connecting the other ends of the element and the yoke for rotation of the former relative to the latter, and means to cause rotary movement of the element to cause the cutting member to make arcuate cuts in a rotatable work.

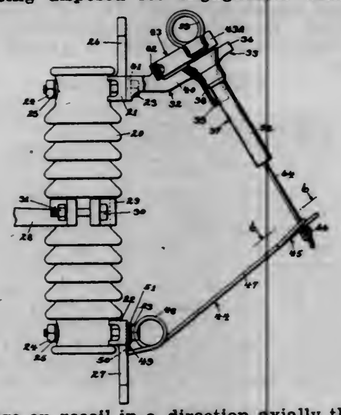
2,295,015
FUSE DEVICE

William O. Schultz, South Milwaukee, and Alwin G. Steinmayer, Milwaukee, Wis., assignors to Line Material Company, Milwaukee, Wis., a corporation of Delaware

Application April 4, 1941, Serial No. 386,779
14 Claims. (Cl. 200—114)

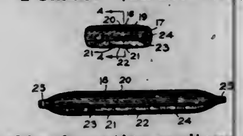
1. A fuse device comprising an insulator support, spaced conductor arms mounted on said support, mounting means associated with one of

said arms, a fuse cartridge carried solely by said means and extending toward the other of said arms, a fuse link carried by said cartridge and electrically connecting said arms, and a recoil stop associated with said mounting means, said stop being disposed for engagement with said



cartridge on recoil in a direction axially thereof during circuit interrupting operations and being movable out of stop engaging position to permit manual removal of said cartridge from said means, said stop being urged normally to stop engaging position.

2,295,016
DISPOSABLE ABSORBENT SANITARY PAD
Marion E. Scribner, Denver, Colo.
Application February 7, 1942, Serial No. 429,900
1 Claim. (Cl. 128—290)



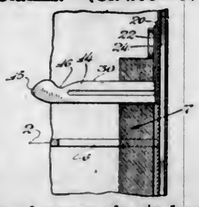
A disposable absorptive sanitary pad comprising, an envelope formed from a sheet of fibrous material bent to form a tube, the adjacent edges of the sheet being spaced apart, means for connecting the adjacent edges comprising a strip of material having its outer surface provided with an adhesive, said strip being positioned within the envelope in overlapping relation to the spaced adjacent edges, the adhesive material exposed between the adjacent edges serving as means for attaching the pad to a supporting member, and a filling of absorbent material in the envelope.

2,295,017
ROLLER LEVELER
William D. Shields, Edgeworth, Pa., assignor to Edward W. Voss, Dormont, Pa.
Application February 11, 1941, Serial No. 378,363
2 Claims. (Cl. 153—54)



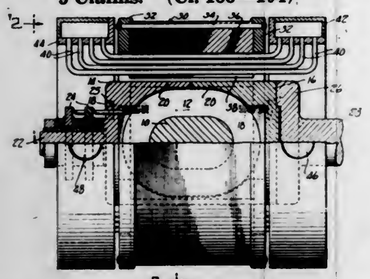
1. In a roller leveler having a plurality of work rolls and a plurality of back-up rolls at longitudinally-spaced intervals, of a plurality of supplementary half bearings disposed intermediate the back-up rolls, said supplementary half bearings being normally out of contact with the work rolls but being adapted to engage the work rolls when the latter are subjected to axial displacement.

2,295,018
PACKAGE WITH MOUNT
Frank G. Steiner, Miami Beach, Fla., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Original application May 13, 1940, Serial No. 334,849. Divided and this application February 14, 1941, Serial No. 378,921
9 Claims. (Cl. 206—57)



1. A package of paper sheets having a hanger attached thereto, said hanger having a projection which passes through slits of the sheets and which acts as a knife by which the sheets are torn when pulled by the user, said hanger having means adapting it to be connected to a support, said knife having a stiffening bead extending lengthwise and projecting laterally thereof by which bead the paper is put under tension at the slits.

2,295,019
ELECTRODYNAMIC BRAKE
Milton E. Thompson, Ridgway, Pa.
Application October 31, 1939, Serial No. 302,089
5 Claims. (Cl. 188—104)

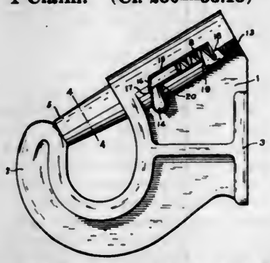


1. An electro-dynamic brake comprising in combination a direct current excited field structure of substantially cylindrical form, an outer stationary armature comprising a cylindrical core having radial teeth extending inwardly toward and close to said field structure and tubular conductors of high resistance extending longitudinally between said teeth to form a squirrel cage winding of the armature, and means for circulating cooling fluid through said conductors.

2,295,020
MAKING CONFECTION PRODUCTS, FROM APPLE PRODUCTS, WITH MILK
Frank C. Vilbrandt, Robert D. Sieg and Thomas F. Farrar, Blacksburg, Va.
No Drawing. Application February 26, 1940, Serial No. 320,888
4 Claims. (Cl. 99—134)

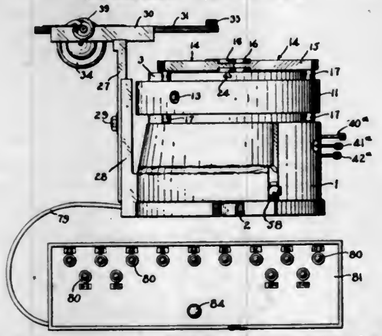
1. A process for preparing a milk-apple edible product comprising mixing an apple product and milk, continuously agitating the mixture and evaporating water from the mixture while maintaining the mixture under a vacuum of from 3 to 28 inches of mercury and at a temperature of from 100° F. to 208° F. until a non-sticky, substantially solid, moldable product is produced.

2,295,021
TRAILER COUPLING
Dewey S. Weiss, Portland, Oreg.
Application February 20, 1940, Serial No. 319,887
1 Claim. (Cl. 280—33.15)



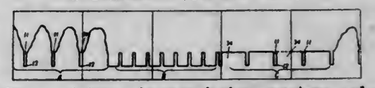
A trailer coupling comprising, a body-member formed with an attaching plate, an upwardly terminating hook defining an upwardly and rearwardly unrestricted aperture, and an inclined cylindrical slide-way axially aligned with the end of said hook formed with a longitudinal laterally disposed slot having terminal notches, a bolt slidable and rotatable in said slide-way adapted to close said aperture formed with a downwardly disposed flat surface and fitted with a handle to traverse said slot, and spring means to urge said bolt to the extended position and rotate the same to effect the engagement of said handle in one of said notches to lock the bolt in the closed position, wherein said flat surface of said bolt, said bolt-handle, and the lowermost of said notches are in such relationship as to hold the bolt locked in the extended and closed position when the trailer eye engages the flat surface.

2,295,022
UNIVERSAL DRILL JIG
Frank Yanchek, Maplewood, N. J.
Application November 9, 1939, Serial No. 303,580
31 Claims. (Cl. 77—64)



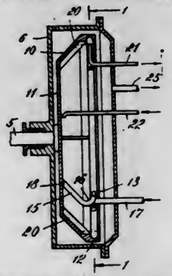
5. In a universal drill jig, a carrying body, a work supporting table movably carried by said body, index means movable with said table for holding the table in any selected one of a plurality of predetermined positions, a plurality of sets of electrical contacts corresponding to the positions provided by said index means, selective means for selecting the set of contacts to correspond with a desired sequence of indexed positions for adjustment of the table, an indicator connected in circuit with said sets of contacts whereby whenever the table reaches one of the selected predetermined positions said indicator will be operated.

2,295,023
TELEVISION SYSTEM
William Arnold Beatty and Prafulla Kumar Chatterjea, Sidcup, Kent, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application March 26, 1940, Serial No. 325,954
In Great Britain April 3, 1939
5 Claims. (Cl. 178—5.2)



1. In a picture transmission system wherein picture signals and synchronising impulses are both transmitted and wherein there are periodic intervals of zero transmission between transmission of said picture signals, means for setting up picture signal voltages, means for generating and superimposing on said signal voltages a train of substantially rectangular pulses of time durations concurrent with and greater than said picture signals, said rectangular pulses being of the same polarity as said picture signals, said rectangular pulses each having an edge equally spaced in time from a corresponding edge of a succeeding pulse for synchronization purposes, means for deriving a control voltage to produce varying spacing of the other, each of said pulses in accordance with said variation, relating to intelligence to be transmitted, means for varying the duration of transmission of said synchronising impulses in accordance with said control voltage means including an amplitude filter for separating out said pulses, and means for deriving a regulating voltage from said separated pulses.

2,295,024
PUMP
Benjamin Clark Boeckeler, Riverside, Conn.
Application October 25, 1941, Serial No. 416,485
16 Claims. (Cl. 230—75)



1. An apparatus for moving a fluid medium which comprises a rotatably mounted shell adapted to contain a liquid and to be rotated at a speed such that liquid when contained therein will be formed into a rotating annulus at the peripheral portion of the shell and traveling at high velocity, means for diverting a stream of liquid from said annulus, means utilizing the high velocity of the diverted stream for creating a reduced pressure region, means for conducting

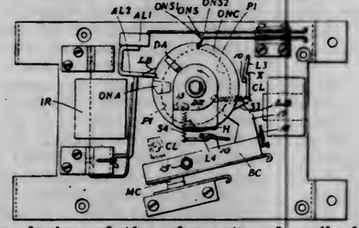
the fluid to be moved to the reduced pressure region, means for mixing or entraining the fluid in the reduced pressure region with liquid from the diverted stream, said apparatus having a rotating portion in communication with the peripheral portion of the shell where said rotating annulus of liquid forms and extending radially inward toward the axis of rotation of the shell, and means independent of said rotating portion for discharging the mixture of liquid and fluid against the said rotating portion at a place which is radially inward of said annulus, whereby liquid discharged against said rotating portion will be returned to said annulus.

2,295,025

ELECTRIC SIGNAL-RESPONSIVE DEVICE

Edward Albert Henry Bowsher, London, England, assignor to International Standard Electric Corporation, New York, N. Y.

Application March 15, 1940, Serial No. 324,117
In Great Britain March 31, 1939
1 Claim. (Cl. 177—353)



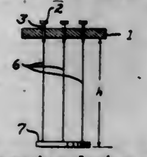
In a device of the character described, the combination of an oval cam, a yielding drive for said cam, a contact arm engaged by said cam to be moved to open or closed position thereby, an escapement comprising a stop arm secured to said cam and lever means cooperating therewith, a motor for turning said yielding drive, a power line, a magnet connected to said line arranged to respond to impulses transmitted thereover, means controlled by said magnet in response to an initial impulse to start said motor, means to cause said motor once started to rotate independently of said magnet, means responsive to an operation of said magnet by an impulse transmitted in a predetermined interval after said initial impulse to operate said escapement lever means and thereby permit said cam to change the position of said contact arm.

2,295,026

FORCE MEASURING DEVICE

Hart Brown and John H. Martin, Houston, Tex.

Application June 5, 1939, Serial No. 277,514
7 Claims. (Cl. 265—1.4)



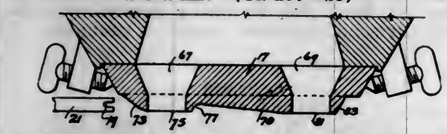
1. A force measuring device comprising a support, a trifilar suspension comprising three rotatable members mounted on the support symmetrically about a point thereon, a suspension strand carried axially of each of said members, and a force responsive member supported by said strands, certain of said strands being twisted whereby the force responsive member is rotated to a position of equilibrium by the torque.

2,295,027

CUTOFF DIE FOR CAKE DROPPERS

Oakley H. Callicott, Memphis, Tenn.

Application October 24, 1940, Serial No. 362,517
2 Claims. (Cl. 107—29)



1. In a cake dropper of the type which includes dough holding and extruding means, a plate, carried by said holding means, having extrusion holes arranged in parallel longitudinal, and parallel transverse, rows, a cutting wire disposed in longitudinal alinement with said longitudinal rows and means for traversing said wire across said plate; a said cutting wire which is mounted for movement in a plane spaced below and in substantial parallelism with said plate; a said plate which has substantially identical transverse ribs, one for each said transverse row of holes, said ribs extending below said plate, being apertured in alinement with said holes and having cutting surfaces, each respectively around a said hole, said cutting surfaces lying equally below and in parallelism with the plane of movement of said wire, said ribs each having for each said hole an inclined approach surface initiating above the path of said wire and leading gently downward to its respective said cutting surface, and an abrupt departure surface terminating above said path, said ribs removing the field of action of said wire from said plate whereby to prevent contact of said wire with said plate, allow free departure drop, and substantially reduce interfering frictional drag.

2,295,028

DECORATIVE LAMINATED PRODUCTS

Samuel B. Collins, Wantage Township, Sussex County, N. J.

No Drawing. Application October 28, 1938, Serial No. 237,486
6 Claims. (Cl. 41—22)

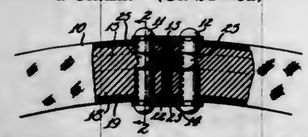
1. The process for preparing decorative sheets having a mottled surface comprising adhering a colored material to the underside of a paper sheet, then applying an impregnating material containing a transparentizing resin and a thinner to the exposed surface of the paper in an amount only sufficient to irregularly transparentize adjacent areas of the paper and make the coloring material visible through the paper in irregularly shaped areas.

2,295,029

POWER TRANSMISSION BELT

John M. Cooney, Akron, and William B. Collier, Tallmadge, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application March 3, 1939, Serial No. 259,588
1 Claim. (Cl. 24—31)



A side driving belt comprising a flexible two-ended body of trapezoidal cross-section including rubber-like material, a single flexible, endless cord grommet disposed in a single elongated loop with the two intermediate reaches of said loop disposed side by side between the side driving faces of said body and embedded therein, and with the two end portions of the loop disposed at the ends of said body, connector pins at least partially embedded in said body within the end portions of said loops and having portions extending to the exterior of said body, and exterior connector means engaging said pins.

2,295,030

PROCESS FOR GELLING AN AQUEOUS DISPERSION OF NEOPRENE

Benton Dales, Bowling Green, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 3, 1940, Serial No. 351,229
8 Claims. (Cl. 260—821)

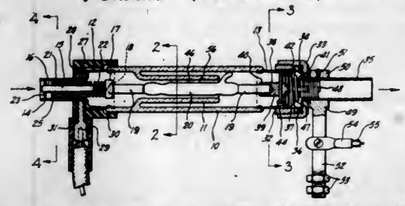
1. Process which comprises causing an aqueous dispersion of neoprene, wherein the dispersing agent is a member of the group consisting of water-soluble abietates and hydroabietates and wherein the dispersion is stabilized with a member of the group consisting of ammonia, methanol amines, ethanol amines and propanol amines, to gel by bringing a member of the group consisting of boric acid and its esters into contact with the dispersion.

2,295,031

COOLING APPARATUS FOR ELECTRIC LAMPS

Paul B. Davis, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application August 3, 1940, Serial No. 350,885
7 Claims. (Cl. 240—11.4)



1. A liquid-cooling mounting device for a high intensity tubular electric lamp comprising a tubular glass jacket through which the cooling liquid is adapted to be circulated, cylindrical metal sleeves sealed by fusion to the opposite ends of said glass jacket, and a pair of opposed lamp sockets supported by said metal sleeves in such a manner as to leave passages through said sleeves for flow of the cooling liquid therethrough.

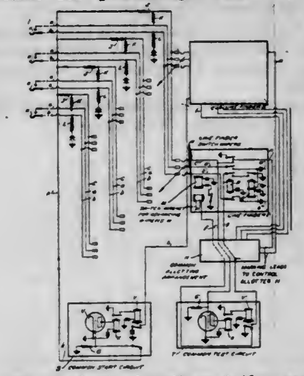
2,295,032

COMMUNICATION EXCHANGE SYSTEM

Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application July 24, 1939, Serial No. 286,220
14 Claims. (Cl. 179—18)

1. A telephone or the like exchange system comprising a number of subscribers' lines each having a first and a second conductor, a subscriber's station connected to each line and including means for varying the conductance between said conductors of said line to initiate a call, a high ohmic resistance per line each resistance being substantially non-reactive and having one end permanently connected to the first conductor of its associated line and its other end permanently connected to a common return point, a common start circuit sufficiently sensitive to be actuated in response to the said variation of the conductance between the conductors of one of said lines even in series with the associated high resistance, said common start circuit being connected to said common return point, and means for providing connection between



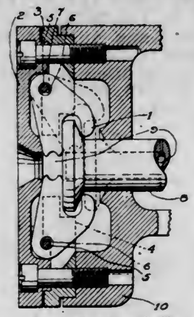
said common start circuit and the second conductor of each line to cause the actuation of said circuit in response to the initiation of a call comprising a common control conductor connected to said start circuit, a further high ohmic resistance per line each of said further resistances having one end permanently connected to the second conductor and its associated line and constantly operating distributor means for connecting said common control conductor to the other ends of said further high ohmic resistances in rapid succession.

2,295,033

CRIMPING DEVICE

John T. Fagan, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

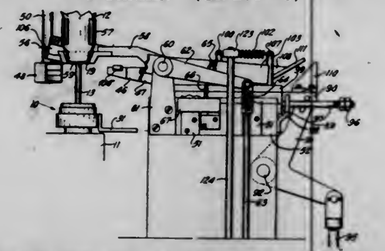
Application March 1, 1940, Serial No. 321,641
3 Claims. (Cl. 86—39)



1. A crimping device especially adapted to the crimping of shells of blasting initiators and the like, which comprises a multitude of crimping jaws radially disposed and adapted to move radially inward to define a circular central opening, a jaw retainer element, said jaws being pivoted within said retainer element, a jaw guide, radial slots in said guide, said jaws being disposed in said radial slots, a crimping ram adapted to confine said jaws loosely in pivotal relationship with

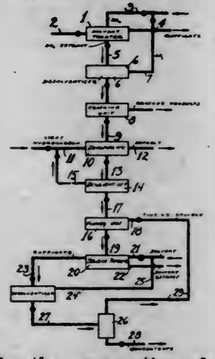
said retainer and provided with means for receiving and retaining said blasting initiator or the like during the crimping operation, and a crimping base supporting the foregoing elements, adjacent jaws being in actual contact with each other in the crimped position to form a continuous annular recession free from ribs in the shell material.

2,295,034
TIPPING-OFF APPARATUS
Walter J. Geiger, Cleveland Heights, and Reginald J. Ayres, University Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application August 21, 1940, Serial No. 353,524
9 Claims. (Cl. 176—3)



1. The method of sealing an exhaust tube extending from a sealed envelope containing gas at a pressure above that of the surrounding atmosphere which comprises heating a portion of the exhaust tube while the said tube portion is exposed to the said surrounding atmosphere, mechanically exerting on said tube, while it is being heated, an external force to produce a strain in said tube of sufficient magnitude to rapidly deform the heated portion of the tube when it becomes sufficiently plastic to be thus deformed but before said tube portion becomes sufficiently plastic to be ruptured by the internal gas pressure, and thereafter preventing additional heating of said tube which would render it sufficiently plastic to be ruptured by said internal gas pressure.

2,295,035
PROCESS FOR PREPARING LUBRICATING OIL DYES
George R. Gilbert and Albert A. Peer, Baytown, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application May 20, 1939, Serial No. 274,673
7 Claims. (Cl. 196—13)



1. Process for the preparation of an improved petroleum oil dye comprising extracting a petroleum oil boiling in the range from about 360° F. to 540° F. with sulfur dioxide under conditions to form a solvent extract phase and a raffinate phase, removing the solvent extract phase, separating the sulfur dioxide therefrom and cracking the extract to produce a cracking coil tar having a gravity in the range from about 2° to 6° A. P. I., deasphalting said cracking coil tar by the addition thereto of a diluent, separating said deasphalted tar and extracting the same with a selective solvent of the class which has a preferential selectivity for the more aromatic type compounds as compared to the more paraffinic type compounds under conditions to form a solvent extract phase and a raffinate phase, separating said raffinate phase and removing the solvent therefrom, distilling said solvent-free raffinate phase under conditions to remove overhead said diluent and to recover as a residue said improved petroleum oil dye.

2,295,036
VITAMIN B_1 ASSIMILATION BY YEAST
Henry J. Gorcica and Harold Levine, Milwaukee, Wis., assignors to Pabst Brewing Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 20, 1940, Serial No. 336,236
8 Claims. (Cl. 99—96)

4. A method of producing a mass of yeast cells having a predetermined vitamin B_1 potency which comprises preparing a substantially water clear, vitamin B_1-containing, vegetable extract medium capable of supporting the growth of yeast therein, inoculating the medium with a quantity of yeast cells, incubating the resulting medium to get a substantial growth of said yeast cells whereby said cells assimilate a substantial proportion of the vitamin B_1 in the medium, and separating the cells having the desired vitamin B_1 potency, said medium containing a fermentable sugar and vitamin B_1 in relative concentrations represented by the following formula:

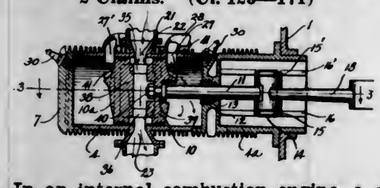
$$\text{Ratio } \frac{B_1}{\text{sugar}} = \frac{\text{desired potency} \times \text{yeast crop}}{\text{expected percentage of pick-up}}$$

wherein

"Ratio $\frac{B_1}{\text{sugar}}$"

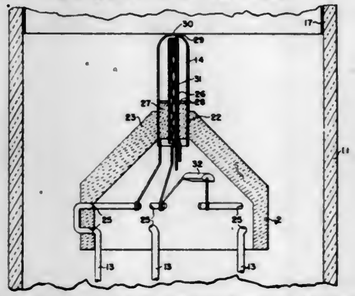
is in International units of vitamin B_1 per gram of assimilable solids in the medium; "desired potency" is expressed in International units of B_1 per gram of the resulting dried yeast crop; "yeast crop" is the number of grams of dried yeast substance (including inoculum) produced per gram of assimilable solids in the medium; and "expected percentage of pick-up" is the percentage of the total vitamin B_1 originally in the medium that is assimilated by the yeast crop.

2,295,037
INTERNAL COMBUSTION ENGINE
Harry O. Hedges, Seattle, Wash.
Application October 4, 1940, Serial No. 359,713
2 Claims. (Cl. 123—171)



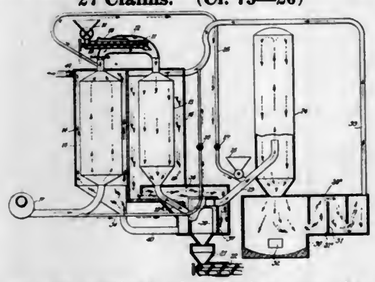
1. In an internal combustion engine, a cylinder forming separate explosion chambers at its opposite ends and having an air inlet port and an exhaust port in its side walls at points intermediate its ends, means for the admittance of fuel charges to the chambers and for igniting the charges, means for supplying cooling air under pressure to the inlet port, a piston contained in the cylinder common to both chambers and adapted to be reciprocally actuated under the influence of fuel charges exploded in the chambers, and having a passage therethrough adapted to pass in registration with said air inlet and exhaust ports with each reciprocal movement for the periodic delivery of cooling air through the piston.

2,295,038
CATHODE-RAY TUBE
Rudolf C. Hergenrother, Beechhurst, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application July 25, 1940, Serial No. 347,389
15 Claims. (Cl. 250—162)



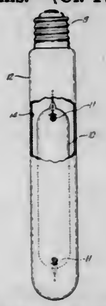
1. A cathode-ray tube comprising, a thermionic cathode, a first electron lens comprising a substantially cylindrical apertured grid surrounding said cathode and a cylindrical first anode, said grid having an external diameter less than 0.15 times that of the internal diameter of said anode, and means for supporting said grid and anode substantially in coaxial alignment.

2,295,039
METHOD OF REDUCING ORES
Frank Hodson, Elmhurst, Chung Yu Wang, New York, and Peter Hodson, Elmhurst, N. Y., assignors, by direct and mesne assignments, to American Ore Reduction Corporation, New York, N. Y., a corporation of Delaware
Application December 26, 1939, Serial No. 310,860
27 Claims. (Cl. 75—26)



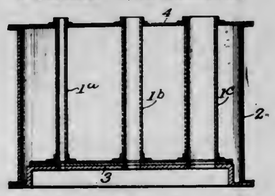
1. In the method of reducing ore, the steps which include roasting the ore to convert a metallic constituent content thereof to fume, and then reducing the fumed constituent to metal before any substantial condensation thereof is permitted to take place.

2,295,040
COMBINATION OF SOURCES OF RADIATION WITH LUMINESCENT MATERIALS
Henry Grainger Jenkins, Pinner, and John Walter Ryde, London, England, assignors to General Electric Company, a corporation of New York
Application May 6, 1940, Serial No. 333,684
In Great Britain May 16, 1939
5 Claims. (Cl. 176—122)



1. An electric discharge device the discharge of which produces radiation of 3650 A. U. wave length in combination with finely divided cadmium tungstate so activated that when it is excited to luminescence by exposure to radiation of wave length 3650 A. U. the dominant wavelength of the luminescent light is considerably longer than that emitted by known luminescent magnesium tungstate when excited by radiation of wave-length 2537 A. U.

2,295,041
DEVICE FOR CASTING ENDLESS METAL CASTINGS
Siegfried Junghans, Stuttgart, Germany, assignor to Irving Rossi, New York, N. Y.
Application March 21, 1939, Serial No. 263,267
In Germany July 27, 1936
3 Claims. (Cl. 22—57.2)



1. An apparatus for continuously casting a plurality of metal rods of different diameters, comprising, a mold unit having a plurality of open-ended molds of different diameters, a cooling jacket surrounding the said plurality of molds, adapted to receive a cooling agent, a separate fluid metal supply conduit for each mold of the unit, and means for regulating the feed of the metal through each supply conduit.

2,295,042
FISH PLUG
Robert L. Llewellyn, Cheney, Wash.
Application August 25, 1941, Serial No. 408,161
4 Claims. (Cl. 43—34)

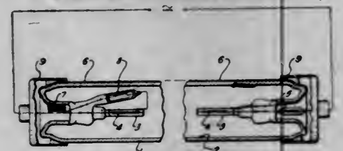
1. A fish plug having a body provided with a forwardly extending dowel, and having a rear passageway communicating with radial slots in the forward portion adjacent the dowel, a coiled eye in said passageway having forwardly and

divergently extending barbed spring legs, a lateral pin in said body engaging the eye to maintain said member in fixed position in said passageway, a tubular setting member slidable in said passageway having slots on either side through which said pin passes and adapted to



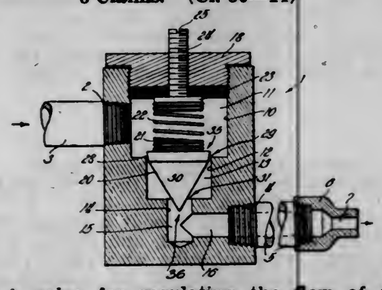
compress said legs upon inward sliding movement, a plug head slidably mounted on the forwardly extending dowel and having means to engage the tip of each said legs when they are retracted, and means for drawing said plug through the water.

2,295,043
ELECTRIC DISCHARGE LAMP
Arved Lompe, Berlin, and Martin Reger, Berlin-Charlottenburg, Germany, assignors to General Electric Company, a corporation of New York
Application June 27, 1940, Serial No. 342,780
In Germany June 28, 1939
3 Claims. (Cl. 176—122)



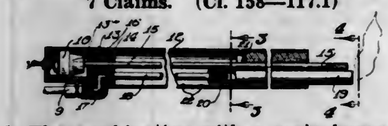
1. A lighting apparatus comprising in combination, an electric discharge lamp of the low-pressure, diffuse, positive column, luminous discharge type having spaced electrodes one of which is a thermionic electrode having a resistance heater which is connected in series with the discharge between said electrodes during operation of said device, the distance between said electrodes being such that at least 60 per cent of the voltage of the current source on which said lamp is designed to operate is dissipated in the low-pressure discharge between said electrodes during operation, and an iron wire-hydrogen filled resistor connected in series with said resistance heater to minimize the effect of fluctuations in the supply voltage on the current density and the luminous output of the low-pressure discharge in said lamp.

2,295,044
VALVE
Lourdes V. McCarty, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 30, 1940, Serial No. 326,895
8 Claims. (Cl. 50—14)



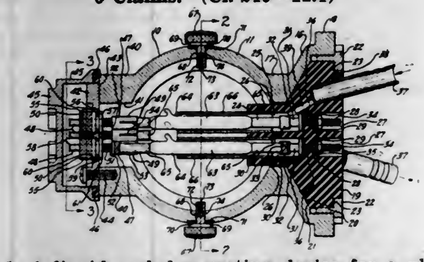
1. A valve for regulating the flow of fluid therethrough, comprising a valve housing having an inlet chamber and an outlet chamber, a third chamber intermediate said inlet and said outlet chambers, there being an upper valve orifice between said inlet chamber and said third chamber and a lower valve orifice between said third chamber and said outlet chamber, and valve means for varying the effective cross-sectional area of said orifices, said valve means being movable responsive to increased pressure in said inlet chamber for decreasing the area of said lower valve orifice at a faster rate than the area of said upper valve orifice to maintain the pressure in said outlet chamber substantially constant.

2,295,045
SAFETY PILOT FOR FURNACES
Hal C. Mettler, Los Angeles, Calif.
Application April 17, 1939, Serial No. 268,267
7 Claims. (Cl. 158—117.1)



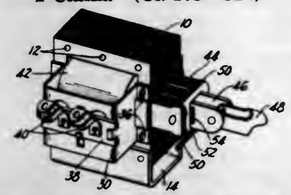
1. The combination with a main burner, fuel supply, and control valve therefor, of a safety pilot light comprising: a tubular shell; a pilot burner projecting through and beyond said shell terminating in a burner tip adjacent said main burner; a heat resistant element having the property of transmitting light exially, said element extending through said shell and positioned with one end in close proximity to said burner tip for illumination by a flame burning thereat; a photo-electric cell fitted in said shell at its end remote from said burner tip, the remaining end of said element terminating in proximity to said cell; and relay means operatively associated with said cell for operating said control valve.

2,295,046
COOLING APPARATUS FOR ELECTRIC LAMPS
Edward B. Noel, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application August 3, 1940, Serial No. 350,471
6 Claims. (Cl. 240—11.4)



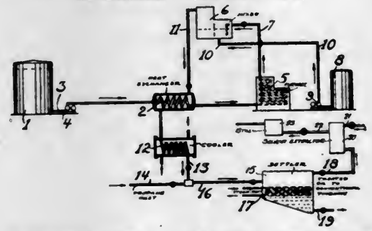
1. A liquid-cooled mounting device for a plurality of high intensity tubular metal-vapor lamps of the capillary type comprising a jacket at least a portion of which is light-transmitting and through which the cooling liquid is adapted to be circulated, a plurality of pairs of opposed sockets for the lamps both in direct contact with the cooling liquid and arranged to mount the lamps in relatively close parallel relation to one another at a position opposite the said light-transmitting portion of said jacket, and a plurality of light-transmitting velocity tubes, one for each lamp, closely surrounding said lamps for the greater part of their lengths and through which the cooling liquid is circulated in one direction only, said velocity tubes being made of ultra-violet absorbing material and serving to confine at least the greater part of the cooling liquid column between each pair of opposed sockets to a relatively small cross-section and to impart a relatively high velocity to the cooling liquid flowing therethrough, the said cross-section of the said liquid column being sufficiently small to lower the electrical conductivity of the said column to a harmless value.

2,295,047
SOLENOID
Wallace F. Oliver, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application August 7, 1940, Serial No. 351,725
1 Claim. (Cl. 175—341)



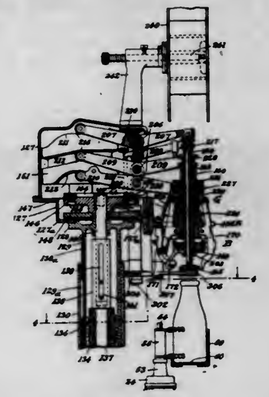
A solenoid comprising a C-shaped magnetic frame having an opening at one side for the reception of a plunger, a magnetic plunger slidable through said opening, said plunger having lateral projections consisting of relatively large washers riveted to opposite sides of the plunger at its rearward end extending beyond the sides of the plunger, guide means for the plunger including guide plates carried by the frame and extending from a point adjacent the opening to the opposite side of the frame, said guide plates including elongated side portions forming continuous bearing surfaces in engagement with the outer surfaces of said projections and intermediate top and bottom flanges overlying the top and bottom of the plunger, the rearward ends of the side portions being offset inwardly and lying against the sides of the frame and the forward ends of the side portions lying at the sides of said opening, and plates extending across said opening at the sides of the frame and lying within the forward ends of said side portions, said last named plates slidably guiding the plunger and lying in the path of said projections to stop forward movement of the plunger.

2,295,048
REFINING OF MINERAL OILS
Reuben F. Pfennig, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 5, 1940, Serial No. 359,820
13 Claims. (Cl. 196—34)



1. Process for the production of refined mineral oil of improved quality which comprises treating a mineral oil with an anhydrous fused alkali at a temperature above the fusion point of the alkali but below the temperature at which cracking of the oil occurs, then contacting the treated oil with a low boiling liquefied hydrocarbon material under conditions to separate the alkali reaction products from the treated oil.

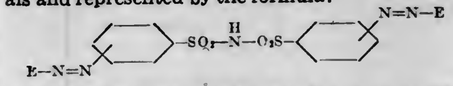
2,295,049
MACHINE FOR AND METHOD OF APPLYING COVERS TO CONTAINERS
Albert F. Pityo, Clifton, N. J., assignor to Tri State Cap & Cap Machinery Co., Inc., Newark, N. J., a corporation of New Jersey
Application September 14, 1938, Serial No. 229,846
41 Claims. (Cl. 226—83)



5. A mechanism for applying to containers skirted covers having alternate sections provided with tabbed ends comprising, a first folding means for initially folding down skirt sections intermediate the tabbed sections, a second folding means for thereafter folding down the tabbed sections with the edges of said tabbed sections overlying the adjacent edges of the respective intermediate sections and a third folding means for upwardly tucking the tabs between the skirt and container neck.

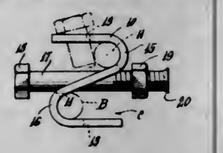
2,295,050
AZO DYE
William B. Reynolds, Elmhurst, N. Y., Swanie S. Rossander, Wilmington, Del., and Donovan E. Kvalnes, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 13, 1940, Serial No. 329,490
3 Claims. (Cl. 260—160)

3. A material of the class consisting of wool and Nylon dyed with a compound free from metals and represented by the formula:



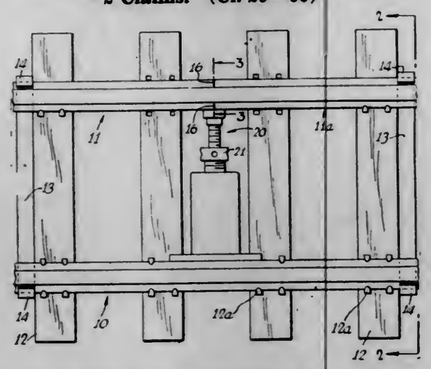
in which the inner nuclei are free from groups capable of forming a metal complex, E represents a coupling component in meta or para position free from sulfonic and carboxy groups from the class consisting of phenols, naphthols, pyrazolones, dihydroxy quinolines, acetoacetanilides, and dihydro resorcins.

2,295,051
CONNECTOR
Raymond T. Roth, Philadelphia, Pa.
Application November 18, 1941, Serial No. 419,539
20 Claims. (Cl. 24—81)



18. In an electrical connector, a clamping bar having a bend therein, said bar having openings at opposite sides of said bend, a bolt extending through said openings, a nut for said bolt, such bar being formed with a cutaway portion, bent inwardly of the bend to form a curved clamping jaw and said bolt and nut being adapted to force the metal of said bend and said jaw into clamping engagement with a cable.

2,295,052
METHOD OF CUTTING RAILS
Giglio N. Rosa, New York, N. Y.
Application July 29, 1940, Serial No. 348,101
2 Claims. (Cl. 29—66)



1. A method of splitting one of a pair of rails, consisting in interconnecting said pair of rails by interconnecting bars at points on opposite sides of the point at which the split is to take place, notching the rail to be split at the point where the split is to take place, interposing a jack between the rails, with the jack engaging the rail to be cut at the point where it is notched and then elongating the jack to force the notched rail to split.

2,295,053
HYDROCARBON OILS CONTAINING ORGANIC TRISULPHIDES AS OXIDATION INHIBITORS
Raphael Rosen, Elizabeth, and Robert M. Thomas, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 19, 1938, Serial No. 220,004
10 Claims. (Cl. 252—45)

2. Composition of matter comprising a well refined hydrocarbon lubricating oil to which is added a small amount less than 2%, sufficient to increase the resistance of said oil to oxidation, of an organic trisulphide.

2,295,054
ELECTRICAL SWITCH
Harry B. Rudd, Flushing, N. Y.
Application December 23, 1938, Serial No. 247,330
3 Claims. (Cl. 200—33)



1. In a switch of the character described, a casing, a body of mercury in said casing, and a barrier secured interiorly of said casing to form side-by-side chambers therein, said barrier being provided with a passage through which mercury may flow and the cross-sectional area of said passage being so small that mercury is capable of flowing therethrough as a substantially uniform stream only when there are pools of mercury on the respective opposite sides of said barrier which cover both sides of said passage and which touch each other through said passage.

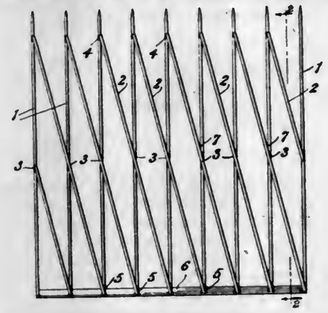
2,295,055
COLLATING MACHINE
William C. Rupp, Parma, Leonard W. Kuttler, Jr., Wickliffe, and Lawrence R. Johnson, Cleveland, Ohio, assignors to Colators, Inc., Painesville, Ohio, a corporation of Ohio
Application October 7, 1940, Serial No. 360,052
8 Claims. (Cl. 270—58)

1. In a collating machine, a plurality of sheet-feeding tables, feeder arms for conveying sheets from each of said tables to said machine, a hollow post for bodily moving said arms, and a single valve mounted on said post, and controlling suction to said arms.

2,295,056
FENCE
Pieter Schenk, Brooklyn, N. Y.
Application May 20, 1941, Serial No. 394,271
2 Claims. (Cl. 256—22)

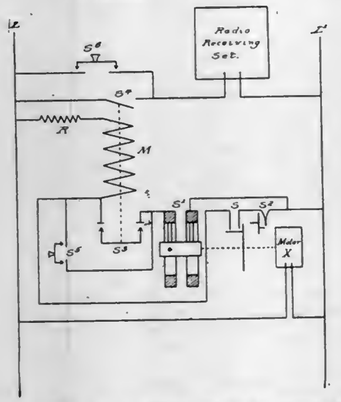
1. A fence or barrier for preventing the passage of animals comprising, a plurality of spaced vertically disposed pickets disposed in the same plane, brace members secured to and extending diagonally across the pickets in a different plane from that of the pickets whereby the paw of an animal when inserted between a picket and a brace member will be given a twisting action, said brace members being disposed at an angle

to the pickets of no more than thirty degrees, the upper portions of the pickets being connected solely by the diagonally extending brace members and being secured thereto only at the



points where the brace members overlie the pickets whereby the provision of any horizontally disposed connection extending between the pickets and affording foot-hold for an animal is avoided.

2,295,057
AUTOMATIC RADIO CONTROLLING MEANS
Arthur F. Schumert, Belleville, Ill.
Application August 20, 1940, Serial No. 353,428
7 Claims. (Cl. 161—1)



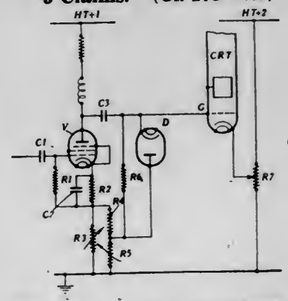
1. A radio controlling means comprising a clock having an hour shaft and a minute shaft, a self-opening and normally open radio circuit switch, electro-magnetic means for closing said radio circuit switch and holding it closed, a normally open circuit-maintaining switch for said electro-magnetic means, said circuit-maintaining switch being closable and holdable in closed position by means of said electro-magnetic means, a normally open manually settable starting switch controlled by said hour shaft for initially closing the circuit of said electro-magnetic means to energize the latter and cause it to close both said radio circuit switch and said circuit maintaining switch, a normally closed manually settable limit switch controlled by said minute shaft for breaking the circuit of said electro-magnetic means to allow said radio circuit switch and said circuit-maintaining switch to open, and wiring operatively connecting said starting switch, said circuit-maintaining switch, and said limit switch with said electro-magnetic means.

2,295,058
PARAFFIN SCRAPER
James A. Smethers, Odessa, Tex.
Application August 24, 1940, Serial No. 354,053
7 Claims. (Cl. 166—18)



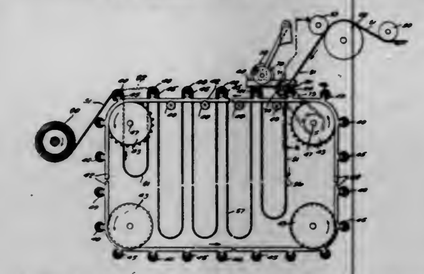
1. In a cleaner adapted for use in a well, a mandrel, a plurality of axially spaced cutters on the mandrel, said cutters being slidable as well as rotatable on the mandrel, stop collars secured to the mandrel between adjacent cutters to limit the axial movement of the cutters on the mandrel, each of said collars having means on one face thereof adapted to prevent rotation of a cutter when said cutter engages the face, each of said cutters including wings adapted to impart rotation to the cutter as the cutter is moved axially through the well, said wings being so arranged that the rotation imparted to adjacent cutters is in opposite directions.

2,295,059
TELEVISION RECEIVER
Charles Norman Smyth, Sidcup, Kent, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application December 30, 1938, Serial No. 248,444
In Great Britain February 4, 1938
5 Claims. (Cl. 178—7.5)



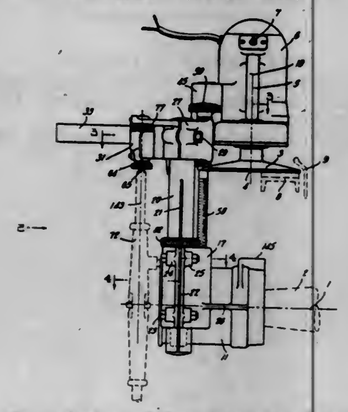
1. A television receiver comprising a cathode ray tube for picture reproduction having a control grid and a modulating circuit connected thereto, a vision frequency amplifier for amplifying picture signals and for supplying current to said circuit, said amplifier having negative feedback means between its input and output circuits for feeding back picture signal energy over an appreciable range of picture signal frequencies, and means for varying the degree of such feedback for controlling contrast in the reproduced picture.

2,295,060
SHEET FEEDING APPARATUS
Lee R. Stalder, Kansas City, Mo., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland
Application December 13, 1939, Serial No. 308,969
12 Claims. (Cl. 271—2.2)



1. In a looper an endless conveyor, a plurality of rollers mounted on said conveyor in spaced relation along its length with their axes transverse to the length of the conveyor and in parallel relation to each other, means associated with said rollers to prevent rotation thereof in a given direction of rotation while releasing said rollers to operate in the opposite direction of rotation, and means for feeding a web to said looper into contact with the circumference of said rollers and so as to form loops between adjacent rollers.

2,295,061
BRAKE SHOE GRINDING MACHINE AND GAUGE
Hjalmar Thomason, Los Angeles, Calif.
Application August 25, 1939, Serial No. 291,929
11 Claims. (Cl. 51—241)



11. In a device of the character described, a rotary cutting member, means for mounting said member for angular movement about the axis of an axle so that the cutting surface of the member describes a surface of revolution about said axis, means for adjusting the position of said cutting surface in a direction radial to said axis, means forming spaced gauging surfaces which cooperate for setting the cutting surface of said member to a definite radius with respect to said axis, one of said gauging surfaces forming a substitute gauging surface for said cutting surface and being capable of being fixed in relation to the cutting surface, and means for adjusting said fixed relation.

2,295,062
CERVICAL DIAPHRAGM
Guy W. Townsend, Denver, Colo., assignor to Earle C. Haas, Denver, Colo.
Application December 5, 1941, Serial No. 421,712
2 Claims. (Cl. 128—131)



1. A diaphragm of the class described comprising: a first circular dished disc; a plurality of successively smaller circular dished discs, nested concentrically within the concavity of the first disc with their annular edges lying in respective parallel planes, the radius of convexity of the successively smaller discs decreasing as their size decreases, and an axially positioned stem member projecting from the concave side of said disc.

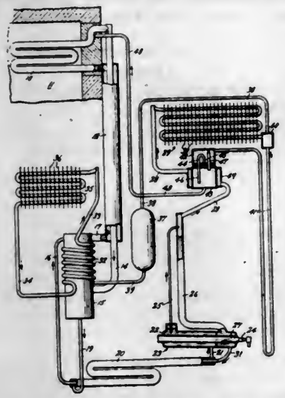
2,295,063
PROTECTIVE COATING
James N. Tuttle, Newton, Mass., assignor, by mesne assignments, to James N. Tuttle, Newton, Mass., doing business as Rustproofing and Metal Finishing Company, Cambridge, Mass.
No Drawing. Application March 26, 1940, Serial No. 326,050
8 Claims. (Cl. 148—6)

1. The method of treating a metallic article having a protective coating consisting essentially of an insoluble porous crystalline surface in the form of a metallic salt of the group consisting of phosphates and oxalates, which comprises impregnating said crystalline surface and penetrating the interstices thereof with an aqueous solution of a metallic salt effective to yield an insoluble gelatinous precipitate containing water adsorbed by its component particles (as distinguished from a precipitate in which water is chemically combined in definite stoichiometric proportions) thereafter subjecting the impregnated surface to such a treatment as evaporation, cooling, heating, chemical action or dilution which is effective to precipitate the insoluble precipitate from said solution, and at least partially dehydrating the precipitated material so as to produce a relatively insoluble protective deposit within the interstices of said crystalline surface.

2,295,064
REFRIGERATION
Hugo M. Ulistrand, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 17, 1938, Serial No. 196,318
12 Claims. (Cl. 62—119.5)

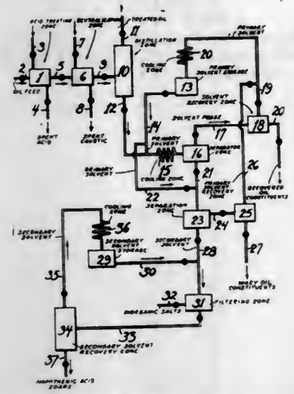
1. In a refrigeration system of a type employing a pressure equalizing auxiliary medium and having an evaporator, and a condenser below said evaporator, a vessel connected to receive liquid from said condenser, a conduit to conduct liquid upward from the lower part of said vessel to said evaporator, means including a heater to heat liquid in said vessel to form vapor in the upper part thereof, such vapor being capable of exerting pressure in said vessel to force liquid therein downward and thence upward in said conduit, and means including a liquid accumulation chamber and a siphon to transfer liquid from said chamber to said vessel only when a given quantity of liquid has accumulated in said chamber,

whereby operation of said first-mentioned means is prevented until said vessel contains a quantity



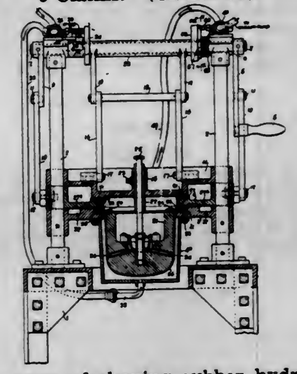
of liquid considerably greater than that which will obstruct vapor passage in said conduit.

2,295,065
SEPARATION OF SOAPS FROM OIL
Hans G. Vesterdal, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 1, 1940, Serial No. 359,194
6 Claims. (Cl. 196—13)



1. Process for the segregation and recovery of valuable oil and naphthenic acid soap constituents from residuums secured in the distillation of acid treated and neutralized oils comprising adding to a residuum a primary low boiling hydrocarbon solvent under conditions to form a primary solvent phase and a soap phase, removing the solvent phase containing dissolved therein oil constituents and separating the solvent therefrom, separating the soap phase and adding thereto additional primary solvent under conditions to form a second primary solvent phase and a soap phase, removing said second primary solvent phase containing dissolved therein waxy oil constituents and separating the primary solvent therefrom, then treating said soap phase with a secondary solvent having the ability to dissolve the soap constituents, removing the secondary solvent from undissolved impurities and separating the secondary solvent from the dissolved naphthenic acid soap constituents.

2,295,066
PROCESS FOR FORMING RUBBER HYDROCHLORIDE
Roy J. Weikert, Covington, Ohio
Application May 22, 1939, Serial No. 274,867
9 Claims. (Cl. 18—56)

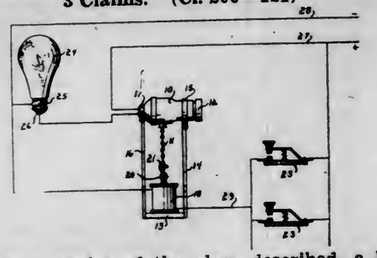


1. A process of shaping rubber hydrochloride material to form a protective covering for hats, comprising clamping the side edges of the sheet of rubber hydrochloride material within a closed receptacle, moving a male mold member against the sheet of rubber hydrochloride material whilst simultaneously subjecting the opposite surface of the said material to a moist heating medium within the area defined by the clamped side edges to partially impregnate the material with moisture and to cause the said material to stretch in the shape of a hat, the said opposite surface of the material being entirely free from contact with any solid member and fully exposed to the action of the said heating medium during the entire stretching action with the exception of the clamped edges of said material, to thereby form the hat crown protective portion by said male mold member, and the brim protecting portion by the clamped side edges of said material.

2,295,067
DRILLING MUD COMPOSITION
Milton Williams, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 16, 1937, Serial No. 169,461
11 Claims. (Cl. 252—8.5)

6. A drilling fluid comprising an aqueous slurry of clay containing saccharic acid.

2,295,068
REMOTE CONTROL SWITCH
Walter F. Woodin, Rolfe, Iowa
Application July 24, 1940, Serial No. 347,181
3 Claims. (Cl. 200—111)



1. In a device of the class described, a base

member, a solenoid coil mounted on said base member, a bar member capable of being actuated by the magnetic field of said solenoid coil when said solenoid coil is in communication with a source of electrical energy, a hook portion secured to said bar, and arms formed on said base member capable of supporting an ordinary pull chain lamp socket; said pull chain being engaged by said hook portion for operating said pull chain and said lamp socket when said solenoid coil is operated.

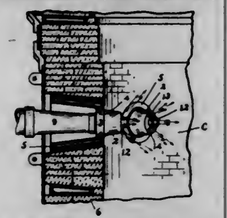
2,295,069

TUYÈRE

Francis J. Zippler, Pittsburgh, Pa., assignor of one-half to Lawrence Copper and Bronze Company, Pittsburgh, Pa., a partnership composed of John M. Dixon and Peter J. Stephens

Application July 29, 1941, Serial No. 404,443

5 Claims. (Cl. 266—41)



1. In the operation of a metallurgical furnace that involves chemical reaction under aeration at the base of a gravitationally descending charge by means of an air nozzle that projects inwardly from the furnace wall, the method herein described of protecting the nozzle and extending the depth of the zone of reaction which consists in releasing within the charge and at a point remote from the furnace wall an inwardly directed stream of air, and, at a point to rearward of the point of release of such stream, but also a point inwardly remote from the furnace wall, releasing an inwardly and upwardly directed supplementary stream of air.

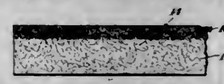
2,295,070

FELT LINING

Frank M. Allen, Summit, N. J., assignor to Congoleum-Nairn Inc., a corporation of New York

Application April 17, 1939, Serial No. 268,250

3 Claims. (Cl. 117—140)



1. As an article of manufacture, a flexible felt lining sheet the fibers of which constitute a resilient mass substantially as formed by a felting operation, said felt lining sheet containing bituminous material throughout the thickness thereof and comprising a first zone at and adjacent one side thereof that contains about 5% to about 30% of bituminous material and a zone at and adjacent the other side of said sheet that contains over about 30% of bituminous material and that contains at least about 20% more of bituminous material than said first zone, said lining sheet being at least somewhat permeable to moisture throughout the thickness thereof, the fibers of said second zone being free of a substantial amount of surface uncoated by bituminous material, and said first zone containing fibers substantially uncoated with bituminous material but interspersed with particles of bituminous material that bond said fibers together, and said first zone being substantially more permeable to and absorptive of moisture than said second zone.

2,295,071

PHOTOFLASH UNIT

Arthur C. Ansley, New York, N. Y.

Application January 11, 1941, Serial No. 374,062

3 Claims. (Cl. 67—31)



1. In a flash-light device, the combination of a battery case including two major portions, one of said portions containing a battery compartment and a flash-bulb socket, means to connect the batteries to said bulb, and a stud mounted with its axis parallel to the axis of said socket for attaching said device to a camera and the other of said portions including a reflector which may be opened to a position to reflect the light emitted by said bulb, wherein said two portions are hinged together to provide a compact case for ready transportation.

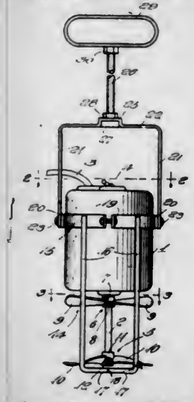
2,295,072

LAWN TRIMMER

Frank Blessing, Spokane, Wash.

Application June 25, 1941, Serial No. 399,723

6 Claims. (Cl. 56—25.4)



1. A lawn trimmer comprising a motor having an elongated shaft extending from one end, a rotary cutter carried by the shaft at the free end thereof, a fan carried by said shaft adjacent the motor, a frame having a clamping ring secured about the motor and shiftable along the motor to adjusted positions, rods carried by said ring and extending longitudinally of the motor in spaced relation to each other circumferentially of the ring, said rods projecting from the motor in spaced relation to the shaft and the fan and the cutter and having arms extending inwardly and united beyond the free end of the shaft, said ring having outwardly offset portions forming internal recesses, a yoke having arms and a bridge, bolts passing through the arms and the offset portions of the ring with their securing nuts seated in the recesses, an upwardly extending offset portion midway the length of the bridge, a handle bar having its lower end passing through an opening in the offset of the bridge and secured by nuts clamping the offset portion of the bridge between them, and a hand grip carried by the upper end of the handle bar, said fan having blades pitched to draw grass upwardly into position for cutting engagement by the cutter, and the cutter having blades pitched to provide an auxiliary fan and sharpened along lower side edges.

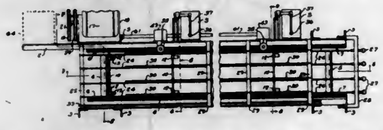
2,295,073

COLLATING MACHINE

Frank H. Blythe, Lakewood, and Leonard W. Kuttler, Jr., Wickliffe, Ohio, assignors to Colators, Inc., Painesville, Ohio, a corporation of Ohio

Application March 30, 1940, Serial No. 326,950

20 Claims. (Cl. 270—53)



1. In a collating machine, a sheet gathering table comprising a plurality of laterally spaced wires lying in an inclined plane, and a plurality of sets of sheet-receiving wires disposed in parallel planes angularly inclined to said first-named inclined plane.

2,295,074

METHOD OF PURIFYING PHENOTHIAZINE

Edgar C. Britton and Joseph E. Eisenman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application April 10, 1941, Serial No. 387,861

16 Claims. (Cl. 260—243)

1. The method of purifying phenothiazine which comprises heating the impure compound at a fusion temperature while in admixture with a common metal of melting point between 200° and 1100° C. in chemically active form, thereafter distilling the phenothiazine, and washing the distilled compound with an organic liquid in which phenothiazine is substantially insoluble.

13. In a method of purifying phenothiazine which contains an odoriferous impurity incident to its manufacture, the step of removing the odoriferous impurity by washing the phenothiazine with a liquid halo-aliphatic hydrocarbon.

2,295,075

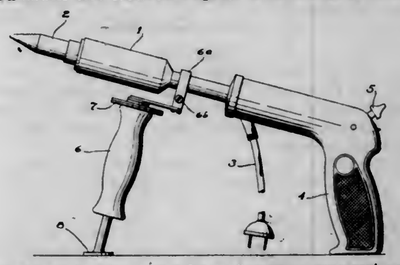
HEATING DEVICE

Lawton A. Burrows and Roger W. H. Gentry, Woodbury, N. J., and Davis L. Lewis, Jr., Swarthmore, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application February 8, 1941, Serial No. 378,022

2 Claims. (Cl. 219—21)

2. In a heating device suitable for explosive rivets, a heat-producing member having at one extremity a pistol grip adapted to serve both as guider and support, and having at the other extremity a structure holding, in position for heat-exchange engagement, a contact member of high heat conductivity, and a stand connected to the heat-producing member having its longitudinal axis substantially perpendicular to that of said heat-producing member, said stand being insulated from the heated region and being provided



with a hand grip and a base for engagement with a substantially horizontal surface so that it is capable of acting as a support for said heating device.

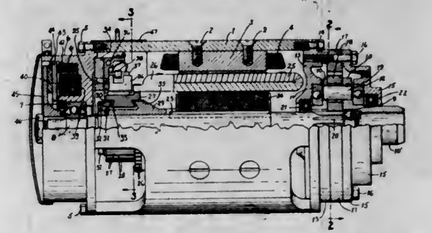
2,295,076

ELECTRIC MOTOR DRIVE FOR INDUSTRIAL TRUCKS

Clyde E. Cochran, Cleveland, Ohio, assignor to The Elwell-Parker Electric Company

Application April 9, 1941, Serial No. 387,623

2 Claims. (Cl. 74—305)



2. An electric motor of the character described, comprising a cylindrical casing, a motor shaft extending through said casing, an inner cover plate secured to one end of said casing, a stationary internal ring gear adjacent said cover plate, an outer cover plate adjacent said ring gear, means securing said outer cover plate and ring gear to said inner cover plate, a stationary spider having two hollow extensions coaxially aligned with said shaft, said shaft extending through one of said hollow extensions and being journaled in the other of said hollow extensions, one of said hollow extensions being journaled in said inner cover plate, the other of said hollow extensions journaled in and extending through said outer cover plate, and planetary pinions rotatably mounted on said spider and in mesh with said shaft and ring gear.

2,295,077

METHOD OF MAKING VINYL-AROMATIC COMPOUNDS

Robert R. Dreisbach and James Day, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

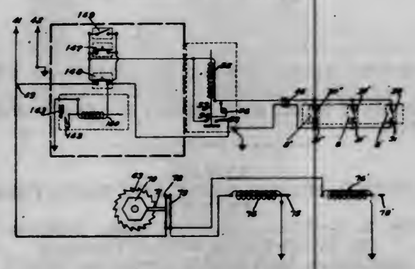
No Drawing. Application January 14, 1939, Serial No. 251,048

10 Claims. (Cl. 260—650)

1. In a method of making a vinyl-aromatic compound by the catalytic dehydrohalogenation of a halogenated compound having the general formula $R—C_2H_4—X$ wherein R is an aromatic radical and X is halogen, the steps of introducing the halogenated compound and the catalyst to

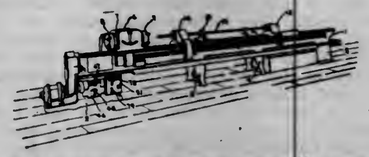
the reaction as the latter progresses while distilling the vinyl-aromatic product from the liquid reaction mixture.

2,295,078
AUTOMATIC PRESS STOP
Clarence C. Green, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application August 2, 1940, Serial No. 349,601
20 Claims. (Cl. 164—88)



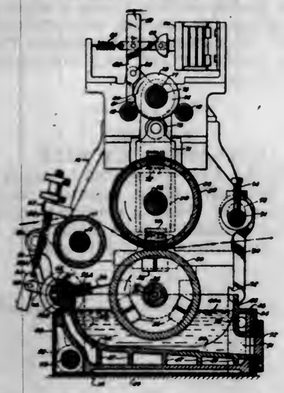
1. In a device of the character described, the combination of punch and die means, means for feeding stepwise past said first-mentioned means a sheet decorated with a multiplicity of areas to be died out, automatic means for stopping both said means whenever the decorated areas to be died out are out of register with said die means, and means for holding a portion of the products resulting from the operation of said first-mentioned means separate from the main body of such products.

2,295,079
FEED AND RAPID TRAVERSE MECHANISM
William F. Groene and George W. Luning, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application September 28, 1940, Serial No. 358,872
2 Claims. (Cl. 82—21)



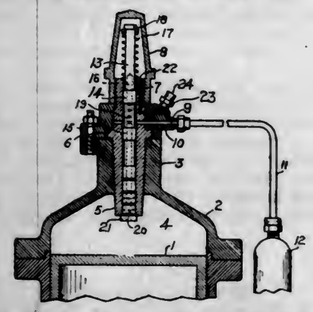
1. In a boring lathe, a longitudinally extending bed, a headstock mounted on said bed, a rotatable work spindle in said headstock, a boring bar actuating device slidably mounted for longitudinal movement on said bed relative to said headstock, a rotatable screw mounted longitudinally of said bed, means interconnecting said boring bar actuating device and said screw whereby rotation of said screw effects longitudinal movement of said actuating device, an electric motor connected to said screw, means for energizing said motor to effect its rotation in either direction for rapidly rotating said screw to rapid traverse said boring bar actuating device, a quick change feed box driven from the headstock of said lathe, a coarse speed feed change box driven from said quick change feed box, and clutch means for connecting or disconnecting said coarse speed feed change box relative to said screw.

2,295,080
PRINTING PRESS AND METHOD OF PRINTING THEREWITH
William F. Grupe, Lyndhurst, N. J., assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application December 10, 1938, Serial No. 244,888
15 Claims. (Cl. 101—157)



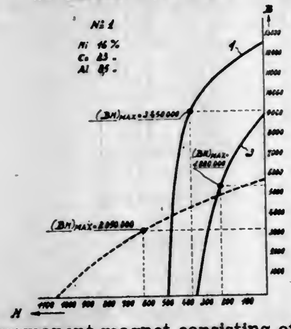
1. In a printing press adapted for use with marking materials which are liquid when heated and solid when cooled, the combination of an intaglio printing cylinder; a cooperating impression cylinder; a jacketed fountain disposed beneath said printing cylinder; and means for circulating a heating fluid first through the printing cylinder and then through the jacketed fountain, whereby said printing cylinder will be heated to a higher temperature than the fountain.

2,295,081
DIESEL ENGINE INJECTOR
Albert S. Harvath, Lansing, Mich.
Application December 10, 1940, Serial No. 369,489
1 Claim. (Cl. 299—107.5)



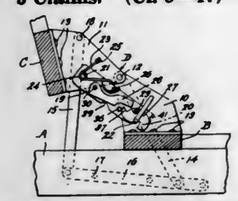
In an oil injector of the character described, in combination with an engine cylinder, a guiding tube in the head of the cylinder, a spring controlled plunger movable reciprocally in the tube, said plunger having an axial bore, upper and lower perforations communicating with said bore of the plunger, devices having inlet passages for serving oil to the tube and upper perforations of the plunger, said plunger having a valve head on its lower end closing the guiding tube on the upward movement of the plunger, a cap extending above said tube, a rotative block in the cap constructed with spiral grooves and attached to the upper end of the plunger, and bolts in the cap engaging the grooves in the cap whereby the plunger is rotatively moved during its up and down movements.

2,295,082
PERMANENT MAGNET AND METHOD OF MAKING THE SAME
Gottfried Bruno Jonas, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application June 29, 1939, Serial No. 281,988
In Germany December 6, 1938
21 Claims. (Cl. 175—21)



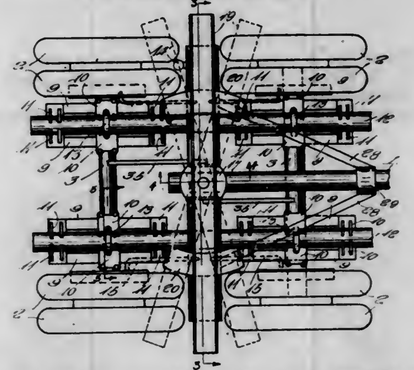
1. A permanent magnet consisting of a ferrous alloy containing about 16% to 30% cobalt, about 12% to 20% nickel, about 6% to 11% aluminum and the remainder principally iron, said magnet being magnetically-anisotropic and having a $(BH)_{max}$ value in the principal direction at least about 50% higher than the $(BH)_{max}$ value of a substantially magnetically-isotropic permanent magnet of the same alloy.

2,295,083
HINGE AND LATCH MECHANISM FOR SOFA BEDS
Jonas Jonassen, Garden City, N. Y., assignor to Spring Products Corporation, New York, N. Y., a corporation of New York
Application August 24, 1940, Serial No. 354,041
3 Claims. (Cl. 5—47)



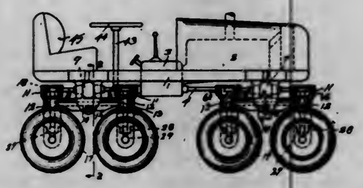
1. In a sofa bed including a supporting frame and seat and back sections, means pivotally connecting said sections together and to the supporting frame for movement of said sections from angular seat-forming position to a horizontal bed-forming position, said means including pivotally connected substantially vertically disposed leaves secured respectively to the seat and back sections, a keeper element carried by one of said leaves, a spring actuated latch bar pivotally connected to the opposite leaf and having a notch in its free end normally urged into engagement with said keeper element for latching said sections in angular seat-forming position, a detent element pivotally mounted on said latch bar and a cam dog pivotally mounted on said latch bar adjacent said detent element and having a cam faced notch and a rearwardly directed stop lug respectively adapted to engage with said keeper and detent elements to thereby cooperatively function upon swinging of the seat section upwardly from latched seat-forming position to cause the keeper element to engage the cam faced notch so as to rock the cam dog out of latched engagement with said keeper element and to release the detent element for gravitational swinging thereof into engagement with the stop lug of the cam dog for retaining the same in released position so as to permit of the unlatching of the latch bar from the keeper element by the swinging of the seat section downwardly towards bed-forming position, and said keeper element engaging said detent element to move the same out of engagement with the stop lug of the cam dog upon swinging of the seat section towards bed-forming position so as to free the cam dog for gravitational swinging thereof into a position to co-act with the latch bar for latching engagement of the keeper element with the notch in said bar to effect the latching of said sections upon upward swinging of the seat section from bed-forming position.

2,295,084
TRAILER TRUCK
Warner L. Keehn, Spokane, Wash.
Application October 2, 1940, Serial No. 359,447
4 Claims. (Cl. 280—124)



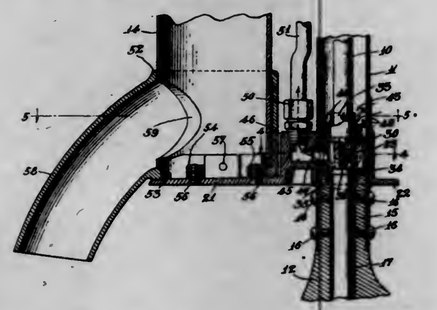
1. A trailer comprising side bars, springs extending longitudinally of the side bars at opposite sides thereof, brackets carried by the side bars and slidably engaging end portions of said springs, yokes straddling the side bars, clamps carrying said yokes and secured about the springs intermediate the length thereof, bearings carried by said clamps, axles passing through said bearings, wheels carried by said axles, a bolster, a bunk pivoted on the bolster, bracing plates depending from the bolster, a reach bar between the side bars having a portion passing through said plates, links mounted vertically between the bracing plates and extending downwardly therefrom, arms extending laterally from said axles and pivoted to lower ends of said links, flanges extending downwardly from the side bars, supports carried by said flanges, bracing rods having collars mounted about the axles, said rods having threaded end portions secured through the supports, side brackets extending downwardly from said bolster at opposite sides of the side bars, sleeves carried by the flanges of the side bars and disposed between the side brackets, and fasteners passing through the sleeves and connecting the sleeves with the brackets.

2,295,085
LAND VEHICLE
Warner L. Keehn, Spokane, Wash.
Application September 8, 1941, Serial No. 409,980
7 Claims. (Cl. 180—23)



1. In a motor vehicle, a chassis, front and rear trucks at opposite sides of said chassis mounted for vertical tilting movement longitudinally of the chassis and having lower sections mounted for tilting movement transversely of the chassis, axles rotatably mounted in the lower sections of said trucks, wheels fixed to turn with said axles, a source of driving power, and means for transmitting motion from the source of power to the axles including shafts rotatably mounted vertically in the trucks with portions housed in the upper and lower sections of the trucks and connected with each other by universal joints located between upper and lower sections of the trucks.

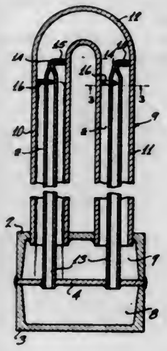
2,295,086
OUTBOARD MOTOR
William L. Kissel, Hartford, Wis., assignor to B. M. Kissel, Hartford, Wis., doing business as Kissel Industries
Application November 16, 1940, Serial No. 366,003
18 Claims. (Cl. 115—17)



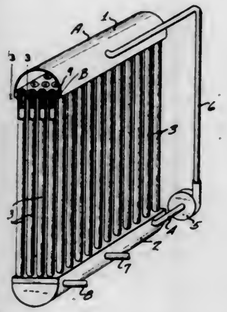
1. In an outboard motor the combination of a vertically positioned cylindrical tube of substantially uniform diameter, a shaft housing having its upper end telescoped within said tube, a drive shaft mounted within said tube and extending into said housing, a pump body mounted within and held against rotation by said tube and resting on the upper end of said housing, and a rotatably operating pump element located within said pump body and driven by said shaft.

2,295,087
FLUID COOLING APPARATUS AND METHOD
George M. Kleucker, St. Louis, Mo., assignor, by mesne assignments, to William P. Gruner, St. Louis, Mo.
Application March 24, 1939, Serial No. 263,863
8 Claims. (Cl. 62—126)

2. A cooler comprising a shell having an inner partition for dividing the shell into first and second separate compartments, means for supplying liquid refrigerant to the first compartment, a cooler tube operably mounted on the shell for communication with the second compartment, a feeder tube operably mounted in the partition for communication at its one end with the first compartment, said feeder tube being of substantially smaller diameter than, and projecting into, the cooler tube, and a bent tube mounted in the feeder tube for communication at its one end with the interior of the feeder tube and extending outwardly therefrom into abutment with the inner surface of the cooler tube for applying liquid refrigerant to the inner surface of the cooler tube in the form of a tangential jet.

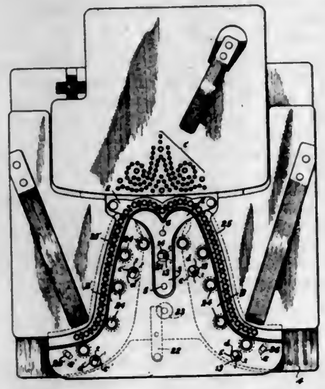


2,295,088
MEANS FOR DISTRIBUTING LIQUID REFRIGERANTS
George M. Kleucker, St. Louis, Mo., assignor, by mesne assignments, to William P. Gruner, St. Louis, Mo.
Application March 24, 1939, Serial No. 263,865
6 Claims. (Cl. 62—126)



1. Liquid refrigerant distributing means comprising a refrigerant-containing header, a heat exchanger tube sealed at its upper end in and extending through the header, a plug in the upper end of the heat exchanger tube, a tube mounted in and extending through the plug, said tube having a discharge orifice, a flat circular plate spaced from and extending transversely across said orifice for deflecting the flow of liquid refrigerant therefrom, and a plurality of annularly spaced radial baffles mounted in and projecting axially from the tube for supporting the plate in said spaced relationship.

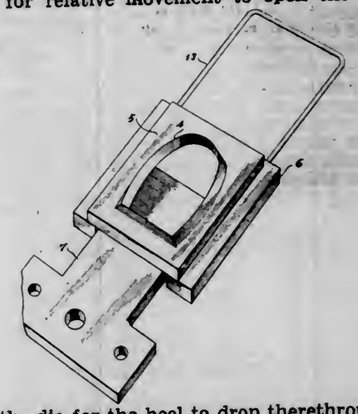
2,295,089
CUTTING DIE FOR ORNAMENTING PARTS OF SHOE UPPERS
Chesterton S. Knight, Brockton, Mass., assignor to Geo. Knight & Co., Brockton, Mass., a copartnership composed of George Knight, George R. Knight, Chesterton S. Knight, F. Stuart Knight, and Carlton E. Knight
Application February 26, 1941, Serial No. 380,620
19 Claims. (Cl. 164—93)



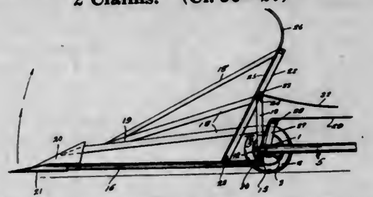
9. A die structure for use in ornamenting portions of shoe uppers comprising a base, a perforating section supported on said base and provided with a row of perforating tubes to ornament the marginal portion of a work piece, a knife section provided with a cutting edge extending along and closely beside said row of perforating tubes in position to trim an edge on said work piece closely beside the margin so perforated, means operable to adjust one of said sections to change the spacing between the work cutting portions of the sections, parts cooperating with the latter section to control the direction of the adjusting movement, and means holding the other section in its operative position while said adjusting movement takes place.

2,295,090
METHOD OF AND APPARATUS FOR TRIMMING RUBBER HEELS
Chesterton S. Knight, Brockton, Mass., assignor to Geo. Knight & Co., Brockton, Mass., a copartnership composed of George Knight, George R. Knight, Chesterton S. Knight, F. Stuart Knight, and Carlton E. Knight
Application March 20, 1941, Serial No. 384,334
9 Claims. (Cl. 164—29)

9. In a mechanism for trimming the flash from a molded rubber heel, the combination with a die having a cavity therein shaped to receive said heel loosely, said die being provided with a cutting edge surrounding said cavity, a base for said die, a bottom plate for said cavity serving as a support for a heel positioned therein, a platen movable toward and from said base to press the flash on the heel against the cutting edge of said die, and means supporting said plate and said die for relative movement to open the bottom of the die for the heel to drop therethrough and to close it again for operation on another heel.



2,295,091
SWEEP RAKE
Henry H. Meyer, Covington, Ohio
Application May 6, 1941, Serial No. 392,160
2 Claims. (Cl. 56—27)

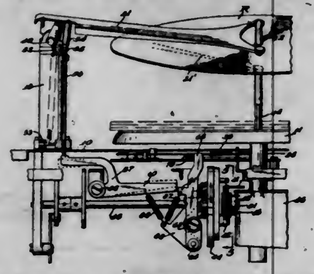


1. An apparatus of the class described comprising a wheel supporting frame, a rake assembly including uprights slidably supported at the front of the frame, substantially horizontal fingers extending forwardly from the lower part of the uprights, a bar connecting the rear ends of the fingers together and connected with the lower ends of the uprights, forwardly extending side bars connected with the uprights, a frame extending upwardly and rearwardly from the rear portions of the fingers above said uprights, upright fingers connected with the front of said frame and having their front ends extending forwardly and upwardly, means for raising and lowering the uprights to cause the fingers to engage the ground or to be raised above the ground and means for tilting the rake assembly to cause the fingers to extend upwardly and forwardly and operative by the means first mentioned.

2,295,092
AUTOMATIC STOP MECHANISM FOR MAGAZINE PHONOGRAPHS
Francis John Offen, Swindon, England, assignor to Garrard Engineering & Manufacturing Company, Limited, Swindon, England, a corporation of Great Britain
Application March 12, 1941, Serial No. 383,018
6 Claims. (Cl. 274—10)

6. In an automatic motor driven phonograph having means for stacking a plurality of records above the turntable and means for successively releasing the records upon the turntable when a previous one has played: mechanism for auto-

matically stopping the operation of the phonograph when playing of the last stacked record is completed comprising a member arranged to abut the last record of the stack to be played, a spring connected to said member to normally press it against the last record, means positively coacting with said member including an element, said element being displaced by the displacement of said member when the last record is dropped from the stack; a motor for rotating the turntable; cyclic apparatus engageable with said motor when the playing of each record is completed comprising a cam piece motivated with said ap-



paratus when the apparatus is engaged with said motor, a part normally in the path of said cam piece and displaceable thereby, and a lever flexibly coupled to said part; means abutting said element and having a portion normally abutting said lever to prevent its displacement, said portion being moved from the abutting position when said element is displaced by said member permitting displacement of said lever with said part; and an instrumentality connected with said motor and actuated upon the displacement of said lever to stop the operation of the phonograph.

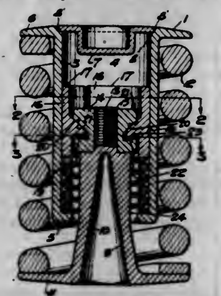
2,295,093

RESILIENT MEANS

Frederick G. Suckow, Bowmansville, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland

Application January 18, 1940, Serial No. 314,525

23 Claims. (Cl. 267—9)



1. In a cushioning unit, in combination, a housing, a standard having a portion extending into said housing, an outer spring acting between said housing and standard, a wedge movable with said standard within said housing, shoes interposed between said wedge and housing for frictionally engaging the latter to a greater extent during movement between said housing and standard in one direction than during movement therebetween in the opposite direction, and an inner spring acting between said housing and shoes for retaining said shoes in an elevated position.

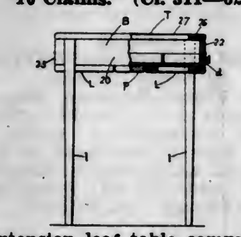
2,295,094

EXTENSION LEAF TABLE

Walter Dorwin Teague, Jr., Douglaston, N. Y., assignor to The Enamel Products Co., Cleveland, Ohio, a corporation of Ohio

Application October 9, 1940, Serial No. 360,348

10 Claims. (Cl. 311—62)



1. An extension leaf table comprising a table body consisting of side and end rails, supporting legs therefor, a table top on said body, the edge faces of said table top lying flush with the exterior faces of said body side and end rails, and an extension leaf pivotally mounted on one of said side rails and movable thereon between an extended horizontal position in alignment with the table top and a contracted position folded under the table body, the exterior edge faces of said leaf when in contracted position being also flush with the exterior faces of said body side and end rails, the construction being such that the said table body is arranged or sandwiched between the table top and the extension leaf when the leaf is in its contracted position.

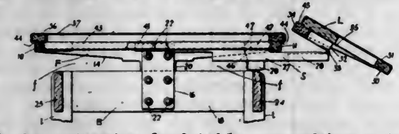
2,295,095

EXTENSION LEAF TABLE

Walter Dorwin Teague, Jr., Douglaston, N. Y., assignor to The Enamel Products Co., Cleveland, Ohio, a corporation of Ohio

Application October 9, 1940, Serial No. 360,349

10 Claims. (Cl. 311—55)



6. An extension leaf table comprising a table body, a table top spacedly supported on said body, a slide member movably mounted beneath said table top between contracted and extended positions with reference to the side edge of the table top, and an extension leaf pivotally mounted on said slide member, the pivot axis of the mounting being along the outer side of said slide member and along a line intermediate the inner and outer sides of said extension leaf.

2,295,096

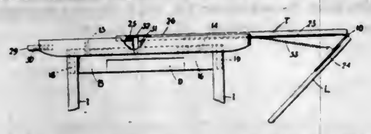
EXTENSION LEAF TABLE

Walter Dorwin Teague, Jr., Douglaston, N. Y., assignor to The Enamel Products Co., Cleveland, Ohio, a corporation of Ohio

Application October 9, 1940, Serial No. 360,350

7 Claims. (Cl. 311—41)

1. An extension leaf table comprising a table body, trackways on opposite sides of said table body, a table top slidably mounted on said table body and movable in said trackways, and an extension leaf also slidably mounted on said table body and movable in said trackways, the said extension leaf being pivotally mounted on said table top along one edge thereof, the said extension leaf being slidably movable as a unit with the said slidable table top and being pivotally movable with respect thereto between an ex-



tended position in horizontal alignment with the table top and a contracted position folded under said table top.

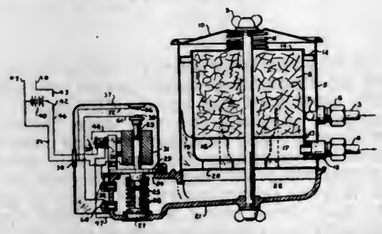
2,295,097

APPARATUS FOR REMOVING WATER FROM OIL-CIRCULATING SYSTEMS OF INTERNAL COMBUSTION ENGINES

Paul E. Waugh, Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind., a corporation of Indiana

Application April 5, 1939, Serial No. 266,226

8 Claims. (Cl. 123—196)



1. An attachment for the oil circulating system of an internal combustion engine comprising a container within a container, the circumferential wall of the inner container being spaced from the circumferential wall of the outer container, the inner container being in communication through its top with the space between the containers, but closed at its bottom against communication with said space, oil filtering material in the inner container, means providing a water collecting chamber beneath said containers and in communication with the space between said containers, an inlet adapted to be connected to the oil circulating system and extending through the outer container into the space between the containers above the water collecting chamber, and an outlet conduit adapted to be connected to the oil circulating system extending through the containers into the inner container.

2,295,098

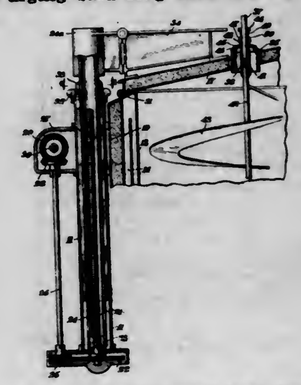
SEAL FOR LIQUID TREATING APPARATUS

Fritz G. Cornell, Jr., Mountain Lakes, N. J.

Application November 2, 1939, Serial No. 302,482

9 Claims. (Cl. 286—7)

1. In combination with a closed dairy product treating vat having provision for producing subatmospheric pressure therein and equipped with an opening through which a shaft extends, sanitarily constructed and removable vacuum-tight sealing mechanism comprising a cap for said opening of less diameter than said opening surrounding said shaft and capable of removal through said opening and having a peripheral groove, a sealing member seated in said groove in contacting relation to the edge of said opening and of greater overall dimensions than the interior dimensions of said opening, a ring sealed to said shaft, said ring and cap having contacting smooth surfaces, and pressure-maintaining means urging said ring into contact with said



cap to form a vacuum-tight seal between said surfaces.

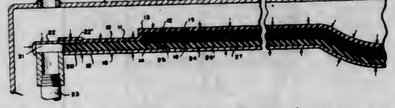
2,295,099

APPARATUS FOR MANUFACTURING FLOOR MATS

Don R. Cotterman, Pontiac, Mich., assignor to Baldwin Rubber Company, Pontiac, Mich., a corporation of Michigan

Original application October 16, 1939, Serial No. 299,730. Divided and this application April 29, 1940, Serial No. 332,343

13 Claims. (Cl. 154—1)



1. In apparatus for manufacturing floor coverings, a form having a surface adapted to support a sheet of vulcanizable stock, a sheet of material positioned on said surface of the form and having a plurality of closely spaced rigid projections extending toward the sheet of vulcanizable stock, said projections adapted to support a sheet of pile fabric with the base of the fabric engaging the sheet of vulcanizable stock and with the pile extending toward the form between the projections, and means for curing the sheet of vulcanizable stock while in engagement with the base of the pile fabric sheet.

2,295,100

TEMPERATURE CONTROLLING MECHANISM

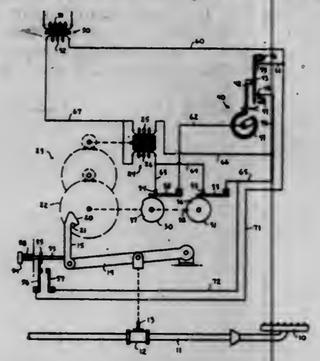
Randolph E. Di Vette, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application January 27, 1941, Serial No. 376,089

10 Claims. (Cl. 236—76)

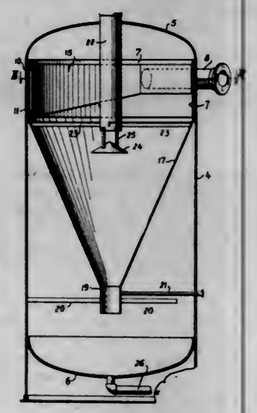
10. In combination, a condition controlling device movable between first and second positions through an intermediate position, means biasing said device to said first position, a rotary electrical motor operatively connected to said device for moving it away from said first position, said motor having a pair of windings each substantially equal in strength to said biasing means, means including both said windings to move said device toward said second position against said biasing means, means including one only of said windings to hold said device in said second posi-

tion against said biasing means, and means including the other only of said windings to hold



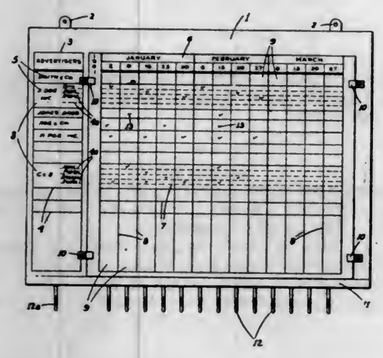
said device in said intermediate position against said biasing means.

2,295,101
SEPARATION APPARATUS
George S. Dunham, Ardmore, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application August 3, 1940, Serial No. 350,582
5 Claims. (Cl. 183—83)



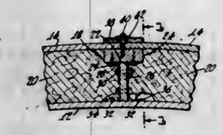
1. A separator for removing entrained liquid from vapors comprising a cylindrical casing including a cylindrical wall and closures for the upper and lower ends thereof, truncated conical means within said casing having its larger upper end contiguous to said cylindrical wall and at a point below the upper end of the wall and with the smaller lower end of the means spaced both from the cylindrical wall and from the closure for the lower end of the casing, thereby to define a separating zone, cylindrical in its upper portion and conical in its lower portion, a curved inlet duct extending at least partially about the cylindrical portion of said zone and having an open end communicating with said zone, said duct decreasing in width and increasing in height along its length toward said open end sufficiently that the opening in said end is at least ten times as high as it is wide, and an inlet pipe communicating with said duct for introducing charge thereinto.

2,295,102
ADVERTISING SCHEDULE DEVICE
Richard J. Fisher, Fresno, Calif.
Application September 15, 1941, Serial No. 410,831
2 Claims. (Cl. 283—66)



1. In an advertising schedule device which includes an upstanding panel having an appropriately designated and horizontally ruled vertical column adjacent one side edge thereof, a paper sheet initially separate from the panel and ruled in corresponding relation to said column, and means removably securing said sheet on the panel with the column and sheet ruling in alinement; said sheet being of substantial length horizontally and relatively thick so that the sheet is substantially self-supporting, and said means comprising a ledge projecting from the panel along the bottom thereof to engage the lower edge of and support the sheet, and a pair of relatively small vertically spaced clips mounted on the panel and releasably engaging the sheet along each vertical edge portion thereof and adjacent its horizontal edges.

2,295,103
INSULATED STRUCTURE
Charles O. Friedly, Lakewood, Ohio, assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application July 17, 1940, Serial No. 345,881
8 Claims. (Cl. 189—34)

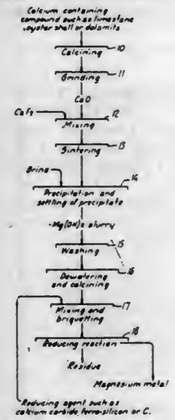


1. An insulated structure comprising a tank wall, weather-resistant sheathing spaced therefrom, means supporting the sheathing comprising strips of insulating material extending substantially vertically of said wall and combined to have a T-shaped cross section with the head of the T resting against the sheathing, means securing the leg of the T to the wall and means securing the sheathing to the head of the T, and insulating material disposed between said sheathing and wall.

2,295,104
MANUFACTURE OF NORMAL LEAD TRINITRORESORCINATE AND DOUBLE SALTS THEREOF
Frederick M. Garfield, St. Louis, Mo., assignor to Western Cartridge Company, East Alton, Ill., a corporation of Delaware
No Drawing. Application June 29, 1939, Serial No. 281,818
11 Claims. (Cl. 260—435)

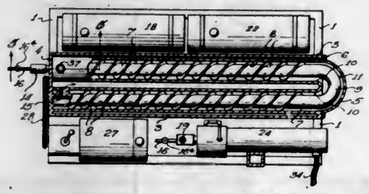
10. As a new product, a crystalline double salt of normal lead trinitroresorcinate and a soluble lead salt of a lower aliphatic acid.

2,295,105
MANUFACTURE OF MAGNESIUM METAL
Gunter H. Gloss, Belmont, and Robert E. Clarke, Palo Alto, Calif., assignors to Marine Magnesium Products Corporation, South San Francisco, Calif., a corporation of Delaware
Application June 9, 1941, Serial No. 397,176
8 Claims. (Cl. 75—67)



2. In a process of the character described, the steps of sintering calcium oxide with a fluoride, reacting the sintered material with a brine to precipitate magnesium hydroxide, recovering the magnesium hydroxide from the mother liquor together with the fluoride content of the sintered material, calcining the recovered material and then reacting the calcined material with a reducing agent at an elevated temperature to produce magnesium metal, the reducing reaction being catalyzed by the presence of fluoride.

2,295,106
APPARATUS FOR HEATING BITUMINOUS MATERIALS
William E. Grace and Hunter Strain, Dallas, Tex.
Application September 2, 1941, Serial No. 409,164
1 Claim. (Cl. 122—266)

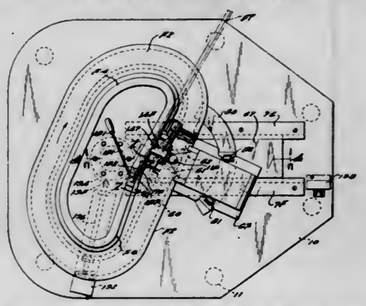


A heater for bituminous materials comprising a casing having, its rear end sealed, a removable cap disposed over the opposite end of said casing, a material conduit horizontally disposed in said casing and shaped to define a convoluted passage from end to end of said casing, a partition in one end of said material conduit defining a chamber closed to said passage, a flue in concentric relationship and co-extensive with said conduit and communicating with the interior of said casing, a firebox in said closed chamber and communicating with one end of said flue, means for forcing the products of combustion from said firebox through the length of said flue and into said casing for intimate contact with the exterior of said material conduit and a spiral flange arranged in the space between said flue and conduit against the exterior surface of which the material is propelled for constraining said material to follow a tortuous path around said flue counter to the travel of said products of combustion and throughout the length of said convoluted passage.

2,295,107
METHOD OF MAKING COLORED PHOTOGRAPHS
Alan M. Gundelfinger, Burbank, Calif., assignor to Cinecolor, Inc., Burbank, Calif., a corporation of California
No Drawing. Application June 19, 1939, Serial No. 279,915
3 Claims. (Cl. 95—88)

1. The method of coloring a silver photographic image which includes: oxidizing said image to silver chloride by treatment with a ferric chloride solution; converting said silver chloride image to silver iodide by treatment with an alkali-metal iodide solution; controlling the pH of said iodide solution so as to maintain it below 4.0; and dyeing the resulting iodide image.

2,295,108
POWER BENDER
William J. Hall, Detroit, Mich., assignor to Herron-Zimmers Moulding Company, Detroit, Mich., a corporation of Illinois
Application November 3, 1939, Serial No. 302,632
19 Claims. (Cl. 153—40)

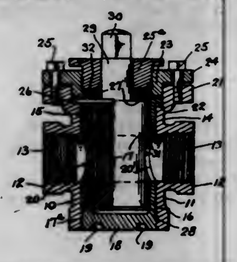


16. A machine for bending a strip of angular character, comprising a form block about the periphery of which the strip is to be bent and which has a first surface in its own plane and a second surface transverse to said plane for engagement respectively with the angular parts of the strip, a wiper means having similarly related first and second surfaces for pressing the angular parts of the strip against the corresponding surfaces on the block, means for moving the wiper means in a direction towards the form block and in the plane thereof to press a part of the strip between the first surfaces, means de-

pending upon engagement of the first surface on the wiper means with said part of the strip for so moving the wiper means that the second surface of the wiper means is moved into engagement with the other part of the strip, and means for effecting relative movement of the wiper means and form block along the periphery of the latter.

17. A machine for bending a metal strip comprising a support, a rotary form block on the support and about the periphery of which the metal strip is to be bent and which has an annular guideway, means for clamping one end of the strip to the block at one point on the periphery of the block, a member movably mounted on the support for movement inwardly and outwardly relative to the periphery of the form block, an element on the member engaging the guideway to effect movement of the member inwardly and outwardly in accordance with the movement of the guideway, wiper means movably carried by said member for pressing the strip against the periphery of the form block as the latter rotates, and resilient means for moving the wiper means relative to said member and towards the periphery of the block, said guideway being of such character that the wiper means is operatively held away from the periphery of the block along a predetermined portion of the latter adjacent the clamping means.

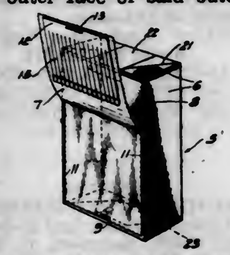
2,295,109
VALVE
John W. Hamilton, San Francisco, Calif.
Application February 25, 1941, Serial No. 380,537
4 Claims. (Cl. 251—103)



1. The combination of a plug valve body having a cylindrical bore longitudinally serrated internally, a replaceable sleeve having a tapered bore fitted in said body and externally serrated to correspond with the serrations of the cylindrical bore in the body, and a tapered plug rotatably mounted in said sleeve, said body having a removable closure at its lower end and whereon said sleeve rests, said body having an enlarged opening at its upper end to form a shoulder and the sleeve having a flange at its upper end resting on said shoulder.

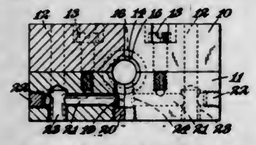
2,295,110
CIGARETTE CARTON AND MATCH PACKAGE
Carl H. Harkleroad, La Mesa, Calif.
Application February 16, 1942, Serial No. 431,011
4 Claims. (Cl. 206—48)

1. The combination with an inner wrapper to house a pack of cigarettes; of an outer wrapper extending around said inner wrapper, said outer wrapper having rows of perforations adjacent the bottom and side edges of the package thereby forming a substantially U-shaped tear line, a bank of matches secured in a flatwise manner to the inner face of the area of the sheet material included within said U-shaped tear line, with the heads of the matches directed away from the base line of the U when in its untorn condition, an igniting strip for lighting the severed matches secured to the outer face of said outer wrapper



within the area included within said U and adjacent to the lower end of the package, and attaching means for said igniting strip, said strip forming an abutment for the thumb of the operator in breaking the tear line along the lower part of the U.

2,295,111
MANUFACTURE OF TUBULAR VALVE MEMBERS
John Hemmings, London, England, assignor to S. Smith & Sons (Motor Accessories) Limited, Cricklewood, London, England, a British company
Application July 10, 1941, Serial No. 401,851
In Great Britain January 2, 1940
2 Claims. (Cl. 29—157.1)



1. The method of constructing a valve body having a cylindrical bore in which a piston can slide and a port opening into the bore, which method comprises forming a plurality of part blanks with mating surfaces, assembling said part blanks together with the mating surfaces in contact, forming the bore in said part blanks when assembled such that the bore is divided lengthwise by the junction of said mating surfaces, separating the part blanks and forming the said port in at least one of the part blanks while separated one from another.

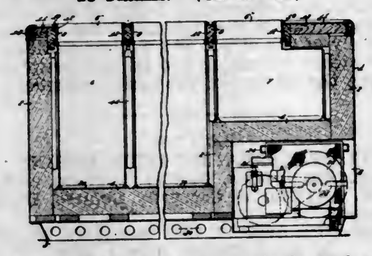
2,295,112
IRONING MACHINE
Edward N. Hurley, Jr., Wheaton, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application April 20, 1940, Serial No. 330,657
1 Claim. (Cl. 38—60)



In a portable ironing machine including a rotatable roll and a cooperating shoe, the combination of a base element of substantial height and of generally oblong form, a housing element

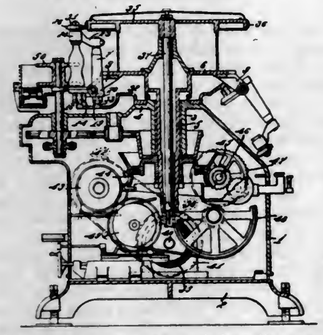
mounted on the base element and enclosing power drive connections to and providing sole support for said roll at one end thereof, one of said elements being provided with a rod receiving socket, and a supporting rod adapted to be removably mounted in said socket in a position to extend laterally in a substantially horizontal plane to constitute an auxiliary material support, the end wall of said base element being provided with a rod receiving aperture, whereby said rod, when not in use, may be telescoped through said aperture and supported within said base element.

2,295,113
REFRIGERATOR
Wayne D. Jordan, Chicago, and Paul D. Van Vliet, Galesburg, Ill., assignors to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application July 15, 1939, Serial No. 284,680
13 Claims. (Cl. 62—95)



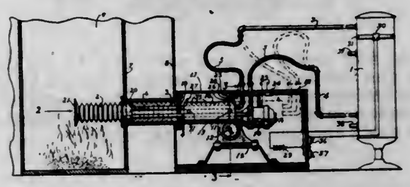
1. A combined storage receptacle and evaporator for refrigerators comprising a substantially rectangular inner sleeve having a closed bottom and an outer sleeve having channels or corrugations former therein extending horizontally thereof and inter-connected to provide two continuous refrigerant passages between the inner and outer sleeve, said outer sleeve having a gastight conjunction with the inner sleeve between and outside of said corrugations and having incisions in the material thereof between and parallel with the corrugations at the bend points of the outer sleeve.

2,295,114
BEVERAGE MIXING MACHINE
James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application April 19, 1939, Serial No. 268,729
7 Claims. (Cl. 259—54)



1. In an apparatus for mixing the contents of a container, the combination with a rotary member, of a container supporting element mounted to move on said rotary member in a plane radial to the rotary member, means on said supporting element for supporting the container thereon to rotate on its longitudinal axis, a driven pinion connected to said means, a driving gear concentric with said rotary member, means for repeatedly moving said supporting element in its radial plane to tilt and upright the container thereon, said driving pinion and driven gears being adapted to drivingly engage when the container is moved to its upright position.

2,295,115
RETRACTABLE WATER HEATER
Jay H. Keller, Portland, Oreg.; Elizabeth B. Keller administratrix of said Jay H. Keller, deceased
Application October 21, 1939, Serial No. 300,590
5 Claims. (Cl. 122—20)



1. The combination with a firebox furnace of water heating apparatus comprising an elongated water heater, a water system of substantial capacity including conduits defining a closed circuit leading to and from said heater, automatic means including a heat responsive device for selectively retracting and inserting said heater into and out of said firebox in the presence and absence, respectively, of a predetermined temperature in said water system.

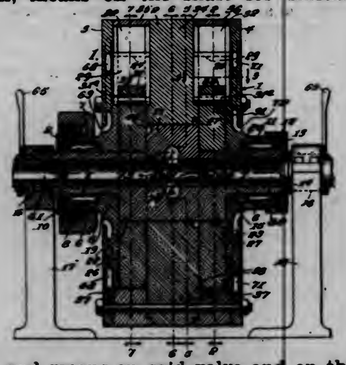
2,295,116
PROCESS FOR THE PRODUCTION OF A COOKED AND PUFFED RICE PRODUCT
John L. Kellogg, Jr., deceased, late of Chicago, Ill., by Mary M. Kellogg, administratrix, Wilmette, Ill., assignor, by mesne assignments, to Helen L. Kellogg, Chicago, Ill.
No Drawing. Application February 6, 1939, Serial No. 254,800
5 Claims. (Cl. 99—82)

3. Process of producing a cooked and puffed rice product which comprises: cooking the rice with water; subjecting the cooked material to mechanical pressure which modifies the internal structure of the grain without reducing it to a flaked condition; drying the rice to a water content suitable for explosive puffing; and thereafter explosively puffing the material.

2,295,117
ROTARY ENGINE
John S. Koester, Lemay, Mo.
Application July 19, 1941, Serial No. 403,207
6 Claims. (Cl. 123—8)

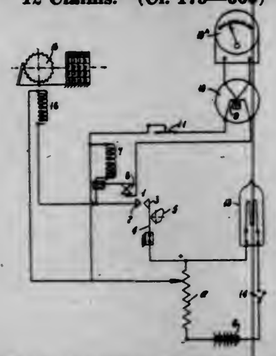
1. A rotary engine including a stationary shaft, a casing rotatably mounted on the shaft, said shaft having an eccentric, a rotor mounted in the casing on the eccentric, said rotor cooperating with the casing for defining a chamber, a combustion chamber in the casing and communicating with the first-mentioned chamber, a valve in the combustion chamber, said stationary shaft having a manifold portion adapted to com-

municate with the combustion chamber, a pipe shiftably mounted in the shaft and having a partition defining passages, a port communicating between one of the passages and said manifold portion, means on the shaft for shifting the



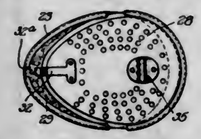
valve, and means on said valve and on the casing and cooperating for firing a charge in the combustion chamber and said first-mentioned chamber, said firing charge causing rotation of the rotor and casing about the shaft.

2,295,118
ELECTRICAL INDICATING APPARATUS
Camille Clare Sprankling Le Clair, Ealing, London, England, assignor to Tecalemit Limited, Brentford, Middlesex, England
Application April 18, 1940, Serial No. 330,368
In Great Britain March 7, 1939
12 Claims. (Cl. 175—366)



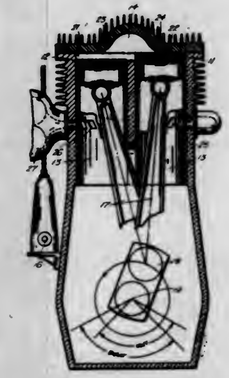
1. Electrical apparatus for indicating the frequency of movement of a member, comprising in combination two parallel circuits adapted to be connected to a source of electric current, means for closing said circuits simultaneously to cause electrical impulses to be generated in both said circuits simultaneously, said means being operated periodically by said member, a heater element in one of said circuits, a constant period electrical relay included in the other circuit and energized immediately the contact maker is closed, said relay having normally closed contacts included in the other circuit and adapted to be opened after a constant time lag to break the circuit through the heater element, and an indicating device associated with the heater element and including indicating means, the degree of movement of which is dependent upon the rate of supply of the said electrical impulses and, therefore, upon the frequency to be indicated.

2,295,119
RESPIRATOR
Robert Malcom, Chicago, Ill., and Willis A. Whipple, Camp Lake, Wis.; said Whipple assignor to said Malcom
Application January 2, 1941, Serial No. 372,726
10 Claims. (Cl. 128—146)



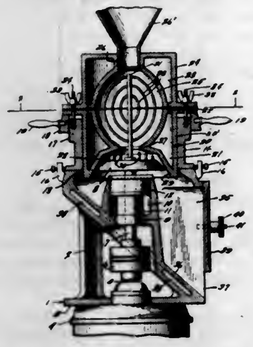
10. A filter box for respirators comprising a pair of complementary, dished, ovate, perforated casing members, each casing member having a channeled flange extending around a portion of its periphery and an outwardly directed flat flange around the remainder of the periphery, the flat flange and channeled flange of one member interengaging the channeled and flat flanges respectively of the other, and a filter element disposed within the casing and gripped peripherally between the flanges of the casing members.

2,295,120
COMPRESSION IGNITION ENGINE
Wilfred Gibson Maw, Dursley, England, assignor to R. A. Lister & Company, Limited, Dursley, England
Application April 17, 1941, Serial No. 389,068
In Great Britain April 4, 1940
4 Claims. (Cl. 123—53)



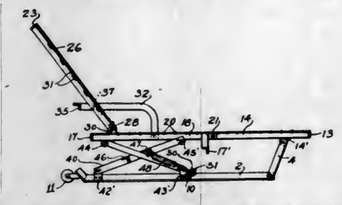
3. A fuel-injection-compression-ignition engine having a crankshaft, a pair of side-by-side cylinders with parallel axes on opposite sides of the crankshaft axis, said cylinder axes being in a plane which is inclined to the crankshaft axis, a cylinder head providing a common combustion space with which both said cylinders communicate, an injector adapted to inject fuel into said common combustion space, and pistons in said cylinders connected to a common crankpin of said crankshaft, whereby one of the pistons will lead the other along its cylinder bore, the dimensions being such that the leading piston will reach its outer dead-centre position approximately 20° before said crankpin will be mid-way between the cylinder axes, and such that the lagging piston will reach its outer dead-centre position approximately 40° after the leading piston has reached its outer dead-centre position.

2,295,121
COLLOIDAL MILL
William A. McLean, Geneva, N. Y., assignor to Geneva Processes, Inc., Geneva, N. Y., a corporation of New York
Original application January 5, 1938, Serial No. 183,549. Divided and this application October 5, 1939, Serial No. 298,126
5 Claims. (Cl. 259—7)



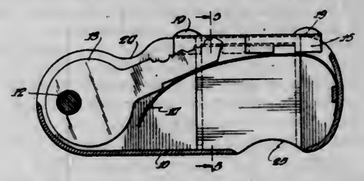
1. In a mechanism for forming an emulsion such as mayonnaise, a mixing chamber comprising a stator member including a frusto-conical recessed portion, a frusto-conical rotor disposed in said recessed portion in spaced relation therefrom, an oval-shaped extension chamber mounted directly above said stator member, said oval shaped extension chamber communicating with the mixing chamber through an opening having a substantially smaller area than the area of the upper surface of the rotor, a support centrally mounted on the upper surface of the rotor and extending through the said opening into said extension chamber, a plurality of bent rods mounted on the portion of the support within the extension chamber to form a beater, said rods being bent to form concentric ovals in spaced relation, means to selectively adjust the distance between said rotor and stator, and motor driven means to rotate said rotor and beater.

2,295,122
LOUNGE CHAIR UNIT
William A. Moeller, Los Angeles, Calif., assignor to Los Angeles Spring Bed Company, Los Angeles, Calif., a corporation of Ohio
Application February 26, 1940, Serial No. 320,814
1 Claim. (Cl. 155—105)



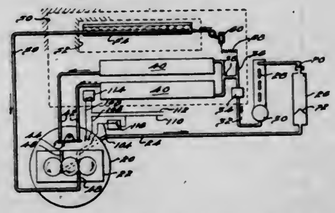
In a chair having a back, seat and foot rest pivoted together in the order named, means to hold the back in angular relation with the seat, a pair of spaced apart elongated ground rails, a pair of cross members on each side of the chair pivotally joining the seat with end portions and intermediate portions of the rails, and legs at the forward end of the foot rest pivotally joining the foot rest with the forward ends of the rails, a pair of spaced apart bars joining the outer member and extending across opposite edges of the inner member of each pair of cross-members and operating as stop elements for the chair, a cross-bar joining the ground rails forwardly of the stop element, a tension spring having its ends attached to one of the elements and to the cross-bar of the rails for the purposes described.

2,295,123
KEY HOLDER
Joseph Mudrich, Chicago, Ill.
Application March 22, 1940, Serial No. 325,283
2 Claims. (Cl. 70—456)



1. A key holder comprising a body member having a plurality of spaces therein for the reception of keys; means for pivotally mounting keys in said spaces to be capable of swinging into and out of the same; a spring arranged in each of said spaces to project corresponding key therefrom; and a releasably slidable detent arranged on said body member to span each of said spaces and adapted and arranged to hold each corresponding key in its space, each detent being in channel form to fit over the upper edges of the outer walls and partitions and each carrying inwardly turned lugs there being slots in the walls of the body member to receive said lugs and slidably secure said detents to said body member.

2,295,124
REFRIGERATING MECHANISM
Glenn Muffly, Springfield, Ohio
Application May 25, 1937, Serial No. 144,698
19 Claims. (Cl. 62—116)

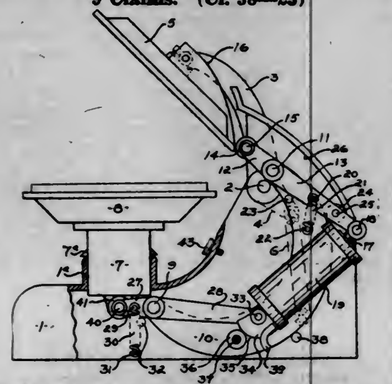


1. In a refrigerating mechanism, in combination, refrigerant condensing means provided with independent suction ports and adapted to simultaneously exert independent suction effects therethrough, a pair of evaporators, means for delivering refrigerant from said condensing means to said evaporators in parallel including refrigerant regulating means controlling the flow of refrigerant to one of said evaporators and to a second refrigerant regulating means in series with the first mentioned regulating means and with the other of said evaporators, a suction duct connecting one of said evaporators to one of said suction ports, and a separate suction duct connecting the other of said evaporators with the other of said suction ports.

2,295,125
TREATMENT OF HYDROCARBON GASES
Edwin F. Nelson, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 30, 1938, Serial No. 243,164
2 Claims. (Cl. 196—10)

2. In a process of catalytically polymerizing normally gaseous olefins, which are contaminated by an alkaline catalyst poison, by means of an acid polymerization catalyst subject to poisoning by said alkaline catalyst poison, the step of removing said contaminating alkaline catalyst poison by contacting said normally gaseous olefins with an acid polymerization catalyst which has lost its activity to polymerize said olefins to such an extent that it can no longer be efficiently used for polymerization as a result of having been used as a catalyst but which is still active to remove the alkaline catalyst poison.

2,295,126
PRESSING MACHINE
Herbert E. Page, Syracuse, N. Y.
Application October 14, 1939, Serial No. 299,556
9 Claims. (Cl. 38—25)



1. In a pressing machine, a suitable frame, cooperating pressing elements having relative movement toward and from each other, guide means on the frame for said elements respectively, a motor and two sets of motion transmitting means between the motor and said elements respectively, a carrier for the motion transmitting means, the carrier being entirely free of the frame and the motor being connected to both sets of motion transmitting means to act thereon in opposite directions, and the motion transmitting means being carried entirely by the carrier and being free of the frame, whereby the strains created during the closing of the press are confined to said elements, the carrier, the motion transmitting means and the motor independently of the frame.

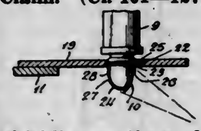
2,295,127
METHOD OF AND BLANK FOR MANUFACTURING BOLT ANCHORS
Henry W. Pleister, Westfield, N. J., assignor to Diamond Expansion Bolt Company, Inc., Garwood, N. J., a corporation of New Jersey
Original application July 10, 1941, Serial No. 401,777, now Patent No. 2,267,420, dated December 23, 1941. Divided and this application July 11, 1941, Serial No. 401,971
5 Claims. (Cl. 29—148)

1. The method of making a bolt anchor shield, having a plurality of parts, consisting in casting said parts and a connecting web or neck at the same time, then bending the sections towards each other, and bending the web or neck to form



an open approximate cylindrical shield, the web or neck being adapted to form an integral portion of the cylindrical surface of the complete bolt anchor shield.

2,295,128
STENCILING MASK
Charles Radtke, West New York, and Henry Bellman, Wood-Ridge, N. J., assignors to Lorr Laboratories, Paterson, N. J., a corporation of New Jersey
Original application October 17, 1938, Serial No. 235,438. Divided and this application January 29, 1940, Serial No. 316,076
1 Claim. (Cl. 101—127)

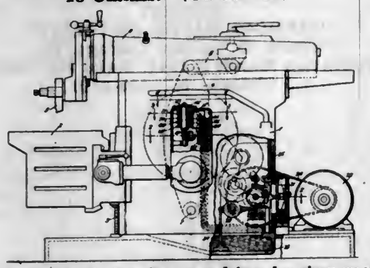


A mask for shielding portions of an article to be decorated, said article being of generally cylindrical contour and having a first offset portion thereon to which color is to be applied and further having a second portion offset from the surface thereof, said second offset portion being in the form of a key extending axially of the article, said mask being generally in the form of a cup closed at one end having its inner surface contoured to closely engage the surface of the article, and having an opening in the wall thereof provided with edge portions in close registration with the edge portions of said first offset portion so as to expose said offset portion while shielding the portions contiguous thereto, and said mask having a second opening in the walls thereof, said second opening being in the form of a slot in close registration with said key and extending to the rim of the mask, the edges of said slot being in close registration with the sides of said key, and said key and slot being positioned so as to interengage before the mask assumes its final position on the article, whereby on inserting the end of said article into the mask and manipulating it so that the end of the key enters the slot, on further manipulation the article will be guided accurately into its correct final position in the mask.

2,295,129
PROCESS OF PREPARING VITAMIN K CONCENTRATES
Byron Riegel and Perrin G. Smith, Evanston, Ill., Carl E. Schweitzer, Flint, Mich., and Vernon C. Free, North Chicago, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application December 22, 1939, Serial No. 310,542
7 Claims. (Cl. 167—81)

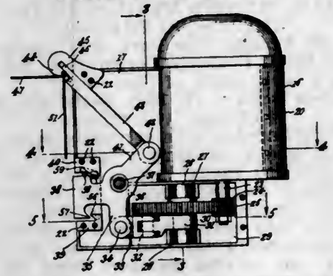
1. The steps in the process of preparing improved vitamin K concentrates which comprises treating vegetable material having vitamin K activity with a stable organic solvent so as to form a dilute vitamin K extract containing vegetable pigments and sterols, adding to the extract thus obtained a silicate adsorbent, stirring the mixture thus formed until substantially all of the pigments have been removed from the extract, subjecting the extract to further silicate adsorbent treatment in order to remove substantial amounts of sterols, subjecting the resulting extract to further silicate treatment to adsorb the vitamin K activity, and then recovering the purified vitamin K activity therefrom by an elution treatment with an organic solvent and separating said solvent from said vitamin activity.

2,295,130
METAL SHAPER
John H. Schreiber, St. Louis, and Francis H. Dean, Normandy, Mo., assignors to General Engineering & Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application May 14, 1941, Serial No. 393,403
18 Claims. (Cl. 90—38)



1. In a metal shaping machine having mechanism mounted for reciprocating movements, and means for selectively varying the length of such movements; an oil pump operated in synchronism with the operation of said mechanism, and means cooperatively associated with said oil pump to limit the frequency of reciprocating movements of said mechanism to a predetermined maximum dependent upon the length of such reciprocating movements.

2,295,131
TOOL FOR METAL SEAMING
Stanley Scott, Norfolk, Va.
Application December 18, 1940, Serial No. 370,710
8 Claims. (Cl. 113—54)



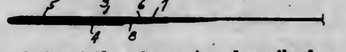
1. A portable metal seaming tool comprising a frame, an electric motor connected to said frame, a handle for moving said frame and electric motor longitudinally along the line of the seam, guide means for engaging the work at one side of the seam, means for supporting said guide means from said frame, a forming member movably mounted on said frame and directed by said frame to move laterally of the line of the seam and in line with said guide means, connections between said electric motor and said forming member for vibrating said forming member laterally of the seam, said forming member having a forming groove extending longitudinally of the line of the seam and operable to form a seam by movement longitudinally of the seam and laterally of the seam.

2,295,132
POLISH
Thomas E. Sharp and George W. Flint, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application March 22, 1940, Serial No. 325,471
8 Claims. (Cl. 106—8)

3. An improved free flowing invert emulsion cleansing and polishing composition comprising approximately the following weight percentages of the following constituents:

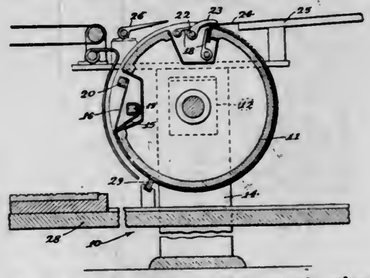
	Per cent	
Petroleum distillate (initial B. P. of about 300° F., end point not greater than about 500° F.)	20	to 50
Hard wax	5	to 10
High molecular weight fatty acid	1.25	to 3
Alkali salt of a weak mineral acid	.75	to 2
Morpholine	0	to 1
Water	30	to 60
Abrasive	6	to 10

2,295,133
CONVEYER BELT STRUCTURE
Robert H. Sharpe, Oakland, Calif.
Application July 22, 1940, Serial No. 346,702
4 Claims. (Cl. 198—193)



1. In a belt of the character described, a body having one side smooth and unobstructed and a marginal band on the reverse side thereof, and a reenforcing strip coextensive longitudinally with said band and extending transversely inwardly over the body from between the band and body in substantially gradually decreasing thickness.

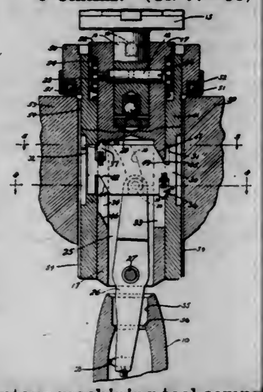
2,295,134
ELIMINATING ELECTRICITY IN PRINTING OPERATIONS
Ernest O. Smith, Los Angeles, Calif.
Application May 10, 1940, Serial No. 334,392
3 Claims. (Cl. 175—264)



1. A device for eliminating static electricity from sheets of paper being printed on the cylin-

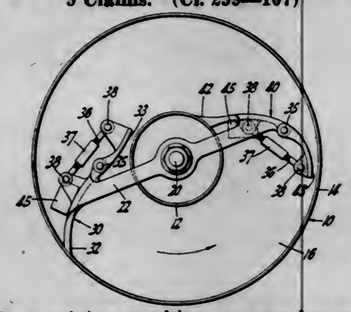
der of a cylinder printing press, a ferrous printing press cylinder, a packing sheet, and a draw sheet of relatively soft non-conductive electrical material impregnated with small particles of relatively hard electrical conductive material operatively positioned on the periphery of said ferrous cylinder to receive the sheet of paper to be printed directly there against, whereby substantially the entire surface of said sheet being printed will be in direct electrical contact with said small particles of electrical conductive material at numerous points.

2,295,135
CONTOUR MACHINING TOOL
J. Hugo Smith, Detroit, Mich.
Application October 24, 1939, Serial No. 301,026
9 Claims. (Cl. 77—58)



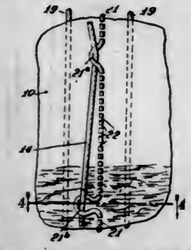
5. A contour machining tool comprising a driving member, a tool supporting member pivoted thereon, a cam control member mounted with respect to said driving member and operably connected with said tool supporting member whereby relative movement between said driving member and said control member will result in a predetermined movement of said tool, said control member being shiftable with respect to said driving member to change the line of movement of said tool, and cam means on said driving member and said control member for shifting the control member to cutting and non-cutting positions at the end of non-cutting and cutting strokes of said driving member.

2,295,136
MIXER
Carl J. Stiers, Galena, Ohio
Application February 13, 1940, Serial No. 318,733
5 Claims. (Cl. 259—107)



1. In a mixing machine, an annular material containing pan having inner and outer walls and adapted to receive successive charges of materials to be mixed, a pair of opposed plows and means for mounting said plows for revolution within said pan, both of said plows being generally inclined relative to corresponding radials extending from the center of said revolution so as to have leading and trailing end portions respectively, one of said plows being so arranged that its leading edge moves adjacent said outer wall to scrape material therefrom and so that its trailing end moves in spaced relation with respect to said inner wall to release said material therebetween in conjunction with a pressing action thereon, the other of said plows being so arranged that its leading end moves adjacent said inner wall to scrape material therefrom and so that its trailing end moves in spaced relation with respect to said outer wall to discharge said material therebetween in conjunction with a pressing action thereon, and vibration producing means operatively associated with said plows for imparting vibration impulses thereto in conjunction with the scraping and pressing actions.

2,295,137
WINDOW SHADE OR DRAPE
Homer M. Sutton, Chicago, Ill.
Application March 3, 1941, Serial No. 381,488
3 Claims. (Cl. 156—10)

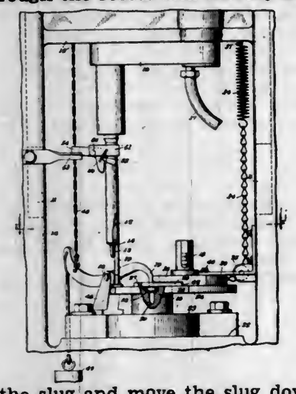


1. In a shade of the character described composed of textile material; a cord woven lengthwisely into the material upon which the material may be selectively shirred lengthwisely of the cord and held in shirred condition; and a cord woven into the material with portions of the cord at preselected distances apart "floated" across the threads of the material to provide pull cord guiding loops when the material is shirred.

2,295,138
SLUG FEEDING MECHANISM FOR EXTRUDING PRESSES
George W. Temple, New York, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application October 17, 1939, Serial No. 299,801
12 Claims. (Cl. 207—1)

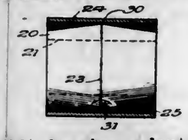
1. In a collapsible tube extruding press, tube-extruding means including a female die having a slug-receiving cavity therein and a vertically reciprocating member, means for delivering a slug into the die in position for the extrusion thereof by said extruding means comprising a pair of cooperating slug-gripping and controlling members, one of said members being normally urged toward the other to grip a slug therebetween and being movable therewith as a unit in the plane of the faces of said other member and in opposite directions alternately, the other of said members having a slug-receiving recess in the leading edge thereof, means for moving

said members to carry the slug gripped thereby toward and over the die, an oscillatory finger having an end portion thereof arranged for movement through the recess and thereby adapted to



engage the slug and move the slug down out of the grip of said members and into the die, and means for oscillating said finger including an operative connection between the finger and said vertically reciprocating member.

2,295,139
FLEXIBLE BEARING
Edward Topanelian, Jr., Verona, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application June 19, 1940, Serial No. 341,376
8 Claims. (Cl. 308—26)



1. In a flexible bearing adapted to support shafting with substantially no sideplay, while permitting bending of the shafting, an annular bearing member adapted for the reception of shafting rotating relative thereto, concentric annular supporting means therefor, made of rigid, unyielding material in annular configuration, spaced from the bearing member a substantial distance except at one zone at which the support means closely surrounds the bearing member along a narrow circular line of very small width in the direction of the axis of the bearing, with clearance sufficient only to permit a limited degree of rocking of the bearing member with respect to the supporting means and so small as to prevent any appreciable sideplay of the bearing member, whereby the bearing member is free to rock at a point on said line but is maintained in concentric relation to the supporting means and is restrained from lateral movement, and elastic sealing material between the bearing member and the supporting means, of such low rigidity as to have but a negligible load carrying function and not to substantially interfere with the rocking of said member.

2,295,140
INFANT'S OUTER GARMENT
Sue Mayercik Ulrich, Tionesta, Pa.
Application April 24, 1939, Serial No. 269,609
2 Claims. (Cl. 2—97)

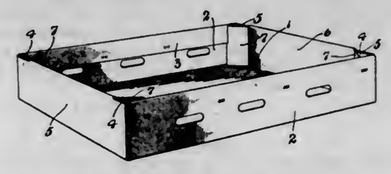
1. An infant's outer garment comprising a body

encircling lining suspended at the neck opening to the neck opening of a body encircling outer garment, the lining having a closed bottom in the manner of a bag; the outer garment being in the nature of a coat; and a front opening extending



down from the neck opening and being common to both the lining and outer garment; means for attaching the lining to the outer garment, and a slide fastener or other means of closing said opening so that the lining and outer garment will close simultaneously on operating the fastener.

2,295,141
CONTAINER
Neil P. Van Wingen, Grand Rapids, Mich., assignor to American Box Board Company, Grand Rapids, Mich., a corporation of Michigan
Application July 15, 1940, Serial No. 345,451
3 Claims. (Cl. 229—34)



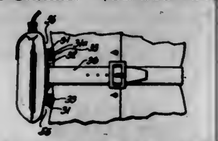
1. A box having a rectangular bottom, sides extending vertically upward from the side edges of said bottom, said sides each having an inturned end flap at each end thereof, an outer end section connected to each end of the bottom and extending upwardly at the outer sides of said end flaps, an inner end section connected to the upper edge of said outer end section extending downwardly at the inner sides of said flaps, said inner section having at each end thereof and connected thereto a part extending angularly across a corner within the box, said parts bearing at one end upon the bottom of the box and extending substantially to the upper edges of the sides and ends of the box, each of said sides having located at the inner side and upper portion thereof a flap extending substantially the full length and turned downwardly at the inner side thereof, each of said angularly located parts having an extension thereto at its free end of less height which extensions are turned to lie against the inner sides of said sides of the box between the bottom thereof and the lower edges of said flaps.

2,295,142
RINK CONSTRUCTION
Herman Vetter, Los Angeles, Calif.
Application October 25, 1940, Serial No. 362,725
13 Claims. (Cl. 62—12)



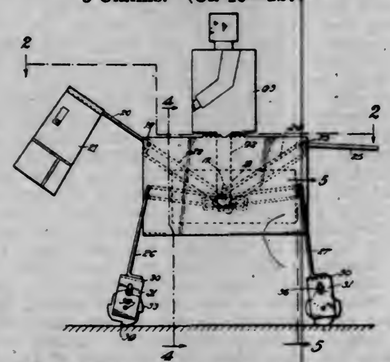
1. In ice rink construction, a hollow floor adapted to support a sheet of ice; means for supporting said floor, said means allowing limited horizontal movement of said floor as caused by expansion and contraction; an enclosed header at each side of said floor integral therewith, the interior of said headers being in communication with the interior of said floor; and means for supporting said headers to allow movement thereof caused by expansion and contraction of said floor and said headers including stationary foundation means and movable elements between said headers and said foundation means.

2,295,143
PACKAGE AND ARTICLE CARRIER
Charles W. Watkins, Kingston, Pa.
Application July 27, 1938, Serial No. 221,492
4 Claims. (Cl. 224—26)



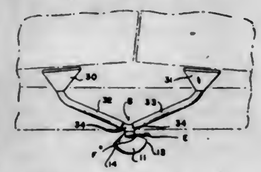
1. An article to be carried, comprising a supporting surface; mutually spaced fulcrums secured to said supporting surface and projecting therefrom; and means disposed between the fulcrums for securing a belt which is adapted to encircle the waist of a wearer, said belt-securing means lying closer to the said supporting surface than do the projecting ends of the fulcrums, whereby the fulcrums are pressed against, and said supporting surface is stressed toward, said wearer when the belt is tightened about the waist of said wearer.

2,295,144
MECHANICAL MOVEMENT
Nathan Weiner, Chicago, Ill.
Application January 13, 1941, Serial No. 374,167
3 Claims. (Cl. 46—127)



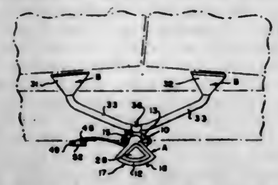
1. A toy, including a body portion, a drive shaft in said body portion, legs pivotally secured to said body portion and supported on wheels, means actuated by said drive shaft for imparting oscillation to said legs, means for locking said wheels against rotation in one direction, a figure depicting a rider loosely connected to said body portion, means including an extension passing through an extended slot in said body portion and actuated by said shaft for positively causing said figure to vertically reciprocate and sway, and a head pivotally connected to said body portion and adapted to be oscillated by said drive shaft.

2,295,145
REGISTER ASSEMBLY
Lewis W. Welch, Detroit, Mich., assignor to Novi Equipment Company, Novi, Mich., a corporation of Michigan
Application December 18, 1939, Serial No. 309,913
11 Claims. (Cl. 98—2)



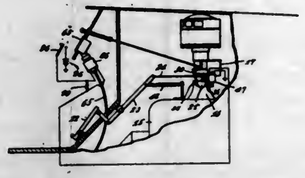
1. An air register having a body provided with an air inlet portion, an air outlet portion, and a laterally projecting tubular portion constituting another air outlet, means including a fitting carried by the laterally projecting portion for conducting air to a vehicle windshield, a bracket also carried by said laterally projecting portion, valves carried by the body for controlling the flow of air from the inlet portion to the outlet portion and laterally projecting portion, and operating means for said valves carried by said bracket.

2,295,146
REGISTER ASSEMBLY
Lewis W. Welch, Detroit, Mich., assignor to Novi Equipment Company, Novi, Mich., a corporation of Michigan
Application October 28, 1940, Serial No. 363,226
6 Claims. (Cl. 98—2)



1. An air register having a hollow fan shaped outlet portion for air provided with inner and outer ends, said outlet portion being provided at its inner end with a tubular inlet opening for air and provided at its outer end with a relatively wide and shallow outlet opening for air, said outlet portion having upright side walls diverging outwardly from the inlet opening to the outlet opening and having substantially parallel top and bottom walls, an upright plate like partition within and extending lengthwise of said outlet portion throughout substantially its entire length at approximately the center thereof, said partition being rigid with said parallel top and bottom walls, individually operable deflector doors within and extending longitudinally of said outlet portion upon opposite sides of said partition, the inner ends of said longitudinally extending doors being adjacent the inner end of the partition, and pivots for said doors engaging the parallel top and bottom walls of said outlet portion, the outer ends of said doors projecting outwardly beyond the outlet opening and having fingerpieces by which they may be individually manipulated.

2,295,147
SPEED GOVERNOR
Jarl M. Weydell, Indianapolis, Ind., assignor of one-half to Edward E. Stout, Indianapolis, Ind.
Application January 12, 1939, Serial No. 250,509.
10 Claims. (Cl. 137—140)



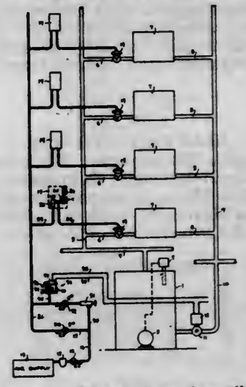
1. A speed governor for an internal combustion engine having a throttle valve in its mixture-supply passage, said governor comprising a manually movable member, a pressure-responsive device, a floating member connected at three spaced points to said throttle, said manually movable member, and said pressure-responsive device, a conduit connecting said pressure-responsive device with said mixture-supply passage and joining the latter at a point between said throttle and the engine, a valve in said conduit, and speed-responsive mechanism for operating said valve, the connection between said floating member and said manually movable member being a lost-motion connection permitting said pressure-responsive device to move said floating member to close the throttle without displacing said manually movable member.

2,295,148
TOOL FOR FINISHING GEARS
Winfred A. Witham, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application January 28, 1936, Serial No. 61,237
10 Claims. (Cl. 29—103)



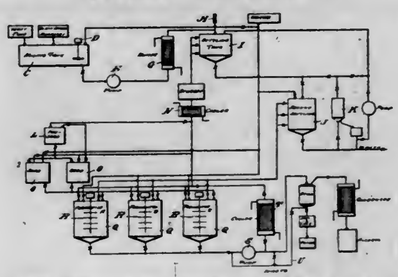
1. A tool of rotary gear form having its teeth gashed through transversely at spaced intervals along their lengths and having a plurality of grooves formed longitudinally in the sides of each of its teeth so that burnishing lands are left between said grooves, the bounding edges of said gashes and the bounding edges of said grooves constituting cutting edges, said gashes being displaced longitudinally relative to one another on successive teeth and said grooves being displaced relative to one another along the profiles of successive teeth and being arranged in a spiral which has a lead which is a multiple of the pitch of the grooves.

2,295,149
CONTROL APPARATUS
Francis E. Adams, Portland, Oreg., and Charles H. Thompson, Huntington Valley, Pa., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 10, 1939, Serial No. 289,418
9 Claims. (Cl. 236—1)



3. In a system of the class described, in combination, a plurality of valve means, a plurality of pressure actuated motors for positioning said valve means, a source of fluid for actuating said motors, conduit means including a common portion and a branched portion for connecting said source to said motors, an individual controller for each of said motors, said controllers being located in the branches of the branched portion of said conduit means and varying the pressure applied to their corresponding motors by varying the flow of fluid through said common portion, a device for supplying a condition changing substance under pressure to said valve means, and means influenced by the flow of fluid through said common portion for controlling said device.

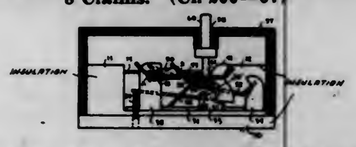
2,295,150
ETHANOL FERMENTATION OF BLACKSTRAP MOLASSES
Rafael Arroyo, Rio Piedras, P. R.
Application November 28, 1941, Serial No. 420,898
10 Claims. (Cl. 195—37)



1. The method of fermenting blackstrap molasses for ethanol production, which comprises preparing a thick mash therefrom having a density of about 60 degrees Brix and a pH of substantially 5.0, effecting settling thereof for substantially six hours at a temperature of substantially 65 to 80 degrees C., separating the supernatant liquid and cooling to below 40 degrees C., diluting substantially half thereof with

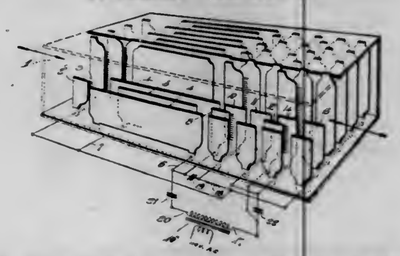
water for forming a thin fermentation mash having a density of 18 to 24 degrees Brix and containing lesser proportions than the original molasses of ash substances and soluble non-sugars relative to the sugars content, adjusting to substantially pH 5.0 and seeding with yeast, fermenting at substantially 28 to 30 degrees C., adding a major portion of the remaining thick mash after twelve hours and adjusting to substantially pH 5.0, fermenting at said temperature for six hours, adding the remainder of the thick mash and adjusting to substantially pH 5.0, and continuing the fermentation at said temperature.

2,295,151
ELECTRIC SWITCH
Albert E. Baak, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 29, 1940, Serial No. 326,692
8 Claims. (Cl. 200—67)



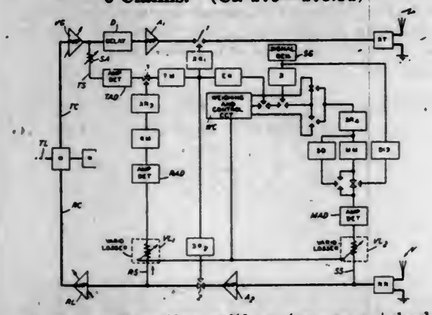
1. In an electrical switching mechanism, in combination, a support, a pivoted contact actuating lever, a pair of stops for limiting rotational movement of said lever, a toggle joint having a first rigid link pivoted in said lever and a second rigid link pivoted in said support, a spring carried by said support and acting on said lever tending to collapse said toggle joint, and a stop limiting the amount of collapse of said toggle joint, the pivot for said second link in said support being located out of line with respect to the pivots for said contact actuating lever and for said first link in said actuating lever so that as said toggle is moved toward aligned position, the center pivot of the toggle will be moved over center with respect to the pivot for said lever and the pivot for said toggle joint in said lever without alignment of the pivot points of the toggle joint.

2,295,152
FLUID MOVEMENT WITH PRECIPITATION
Willard H. Bennett, Newark, Ohio
Application August 31, 1940, Serial No. 355,054
16 Claims. (Cl. 183—7)



1. An electrical system operative in a gaseous medium for precipitation of solids from said medium comprising a source of alternating current, charging electrodes connected to said source, plate electrodes for precipitating solids in proximity to said charging electrodes, fan electrodes for movement of the medium through said device, the fan electrodes being connected to said alternating source, the charging electrodes and plate electrodes being connected to the fan electrodes in a manner to receive rectified current from said fan electrodes.

2,295,153
TWO-WAY SIGNAL TRANSMISSION SYSTEM
Björn G. Björnson, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 10, 1941, Serial No. 397,395
6 Claims. (Cl. 179—175.31)



1. In combination with a two-way telephone system including at a terminal thereof a normally disabled outgoing signal transmission path, an incoming signal transmission path subject to received noise waves, and directional control means comprising a transmitting wave-operated switching branch responsive to outgoing telephone signals in said outgoing path to enable that path and a receiving wave-operated switching branch responsive to incoming telephone signals in said incoming path to disable said transmitting branch, means to determine the effect of said received noise waves on outgoing signal transmission comprising a source of auxiliary signals simulating telephone signals, one relay means operatively responsive to the signals from said source, a second relay means operatively responsive to the received noise waves in said incoming path, said one relay means operating to disable said second relay means except when the latter is in the operated condition, and a measuring circuit controlled by said transmitting switching branch, said one and said other relay means for indicating the ratio of the operated time of said second relay means to the operated time of said one relay means during outgoing signal transmission intervals as a measure of the clipping of the outgoing telephone signals caused by false operation of said receiving switching branch during those intervals.

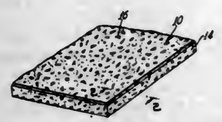
2,295,154
DRAIN VALVE
Paul W. Brower, Toledo, Ohio
Application June 7, 1941, Serial No. 397,111
15 Claims. (Cl. 137—53)



13. In a drain device forming a combined relief valve and safety element, a valve body having aligned openings, one of which forms a valve seat and the other a smooth cylindrical passageway, a valve and valve stem rotatably and longitudinally slidably mounted within said housing to

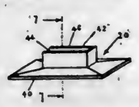
cooperate with said seat to close the same, a spring for projecting said valve toward said valve seat, a rotative cap member threaded to the exterior surface of said valve body and at the cylindrical passage end thereof, and means connecting said valve with said cap responsive to rotary movement of the cap to advance said valve and stem toward or away from a closing position, a stop for limiting the movement of said valve on said means under the influence of said spring, the spring being so arranged that its tension remains constant throughout the travels of said valve connecting means, a fusible adjusting plug in said connecting means engaging one end of said spring for regulating the pressure of said spring normally and in case of excessive heat to allow said spring to expand and relieve the tension on the valve.

2,295,155
METHOD OF MAKING SOUND ABSORBING MATERIAL
George B. Brown, Martinsville, and Osborn Ayers, Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Original application July 14, 1939, Serial No. 284,390. Divided and this application November 12, 1941, Serial No. 418,720
7 Claims. (Cl. 25—155)



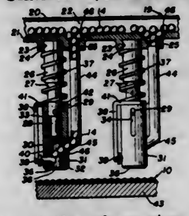
1. A method of making a monolithic sound-absorbing unit comprising dry mixing ground sponge, asbestos fibre, and cement, depositing the mixture in a uniform thickness layer, wetting the deposited mixture to hydrate the cement, slightly compressing the layer, and air curing the cement while maintaining pressure on the layer until the layer assumes a predetermined thickness.

2,295,156
VALVE AND VALVE SEAT FOR ACCORDIONS
George M. Bundy, Beechhurst, N. Y., assignor to H. & A. Selmer, Inc., Elkhart, Ind., a corporation of Indiana
Application January 22, 1941, Serial No. 375,399
2 Claims. (Cl. 84—376)



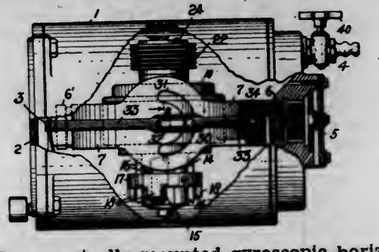
1. In an accordion having a plurality of vibratory reeds and a plate having a plurality of sound-outlet openings, one for each of said reeds, for the passage of sound generated by said reeds, respectively, in response to the action of the accordion bellows, a plurality of valves for controlling said openings, respectively, each of said valves having a face portion confronting a companion opening in said plate and a recessed portion projecting from said face portion, key-actuated rods having their inner ends seated in said recessed portions, respectively, and plastic material in said recesses for removably and adjustably securing said inner ends of the rods in said recessed portions.

2,295,157
METHOD OF AND APPARATUS FOR PRODUCING SCREEN REPAIR APPARATUS
Arnold B. Carlson, Aurora, Ill.
Application November 20, 1939, Serial No. 305,221
13 Claims. (Cl. 140—3)



1. In a device of the character described, the combination with a press element, of complemental male and female die members on said press element, said die members being reciprocally connected relative to each other to deform pellets or the like, means associated with said die members for feeding pellets thereto, a pellet confining housing to direct pellets to said feeding means, and a platen for displacement relative to said die members to effect their relative reciprocation for pellet feeding and deformation.

2,295,158
GYROSCOPIC ARTIFICIAL HORIZON
Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 28, 1939, Serial No. 301,773
5 Claims. (Cl. 74—5)

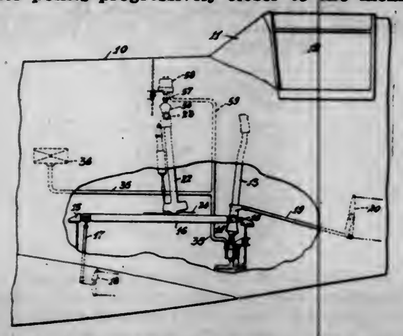


1. In a neutrally mounted gyroscopic horizon, the combination with a gyroscopic element including a rotor casing, rotor and rotor spinning means, all mounted in neutral equilibrium during operation, of a vertically adjustable mass situated on said casing for lowering the center of gravity of the casing to make the same pendulous when the rotor is inoperative, means for shifting said mass to maintain the gyroscopic element in neutral equilibrium during operation, and means for retarding the operation of said shifting means to delay the complete elimination of pendulosity of the gyroscopic element until the rotor is up to speed.

2,295,159
AIRPLANE CONTROL BALANCING SYSTEM
Edward R. Child, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application August 25, 1938, Serial No. 226,631
17 Claims. (Cl. 244—83)

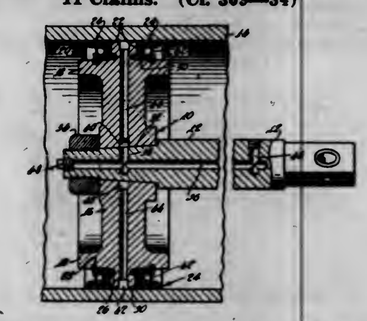
1. In a balancing system for an aircraft control surface subject to aerodynamic reaction, an operating member pivoted for angular control movement and connected with the surface, a cam

formed on said member having a neutral point most remote from the member pivot and having other points progressively closer to the member



pivot, and an elastically pressed cam follower movable toward the member pivot and engaging said cam, the cam engagement being at said neutral point when the control surface is neutral.

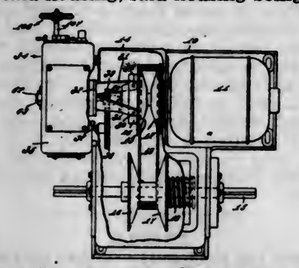
2,295,160
PACKING ASSEMBLY
George Christenson, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application March 11, 1939, Serial No. 261,198
11 Claims. (Cl. 309—34)



1. A piston packing comprising an annular base, an integral flange extending from the outer periphery of the base, and an integral flange extending from the inner periphery of the base, said base and said second-mentioned flange including integral extending beads for securing engagement with a piston head, and said second-mentioned flange including an expander ring retaining lip.

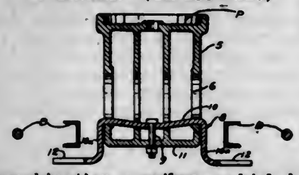
2,295,161
HYDRAULIC CONTROL MECHANISM
Harry C. Clay, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application March 7, 1939, Serial No. 260,451
8 Claims. (Cl. 74—230.17)

1. In combination, a variable speed transmission comprising a casing, a driving shaft rotatably positioned in said casing, an expansible V-pulley on said driving shaft and comprising two oppositely facing coned discs, at least one of said discs being axially shiftable, a driven shaft rotatably positioned in said casing, an expansible V-pulley on said driven shaft and comprising two oppositely facing coned discs, at least one of said discs being axially movable, a V-belt providing a driving connection between said V-pulleys, said casing being provided with an aperture in its wall adjacent one of said shiftable discs and means for shifting said one disc, comprising a housing, a fluid pump in said housing, and a fluid motor in said housing, said housing being formed



with an aperture in one wall and being secured to said casing with said housing aperture in registry with said casing aperture, said motor comprising a cylinder operatively connected to said one disc, and a piston in said cylinder and fixed with respect to said housing, and means for controlling fluid flow from said pump to and from opposite ends of said cylinder.

2,295,162
BRAKE GEAR SAFETY DEVICE
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Original application November 24, 1939, Serial No. 305,770. Divided and this application September 27, 1941, Serial No. 412,576
6 Claims. (Cl. 188—210)



2. In combination, a railway vehicle bolster including a vertical wall having openings disposed symmetrically about the transverse center line of the bolster, a brake connecting rod extending through one of said openings, and a brake gear support carried on the lower edge of the other of said openings, said connecting rod and brake gear support being interchangeable in said openings.

2,295,163
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 21, 1941, Serial No. 384,594
10 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent comprising a water-soluble esterification product derived by reaction between one mole of a polybasic compound and two moles of a water-insoluble hydroxylated compound; the polybasic compound being the esterification product of (A) a polyalkylene glycol having at least 7 and not more than 17 ether linkages, and the alkylene radical thereof containing at least 2 and not more than 6 carbon atoms; and (B) a polybasic carboxy acid having not more than 6 carbon atoms; and the ratio of the esterifying reactants being within the range of more than 1 and not over 2 moles of the polybasic acid for each mole of the glycol; and said water-insoluble polyhydric material being a hydroxylated fractional ester derived by reaction between a detergent-forming monocarboxy acid having more than 8 and not more than 32 carbon atoms, and a polyhydric alcohol having at least 2 and not more than 12 carbon atoms.

2,295,164
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 21, 1941, Serial No. 384,595
11 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent comprising a water-soluble esterification product derived by reaction between one mole of a polybasic compound and to moles of a water-insoluble hydroxy acid having at least 11 carbon atoms and not more than 36 carbon atoms; the polybasic compound being the esterification product of (A a polyalkylene glycol having at least 7 and not more than 17 ether linkages, and the alkylene radical thereof containing at least 2 and not more than 6 carbon atoms; and (B) a polybasic carboxy acid having not more than six carbon atoms; and the ratio of the esterifying reactants being within the range of more than 1 and not over 2 moles of the polybasic acid for each mole of the glycol.

2,295,165
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 21, 1941, Serial No. 384,596
11 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent comprising a water-soluble esterification product derived by reaction between one mole of a polybasic compound and two moles of a high molal water-insoluble alcohol having at least 10 carbon atoms and not more than 32 carbon atoms; the polybasic compound being the esterification product of (A) a polyalkylene glycol having at least 7 and not more than 17 ether linkages, and the alkylene radical thereof containing at least 2 and not more than 6 carbon atoms; and (B) a polybasic carboxy acid having not more than 6 carbon atoms; and the ratio of the testerifying reactants being within the range of more than 1 and not over 2 moles of the polybasic acid for each mole of the glycol.

2,295,166
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 21, 1941, Serial No. 384,597
10 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent comprising a water-soluble esterification product derived by reaction between one mole of a polybasic compound and two moles of a water-insoluble ester of a monohydric alcohol; said ester having at least one hydroxyl group as part of the acyl radical and containing at least 11 and not more than 42 carbon atoms; the polybasic compound being the esterification of (A) a polyalkylene glycol having at least 7 and not more than 17 ether linkages, and the alkylene radical thereof containing at least 2 and not more than 6 carbon atoms; and (B) a polybasic carboxy acid having not more than 6 carbon atoms; and the ratio of the esterifying reactants being within the range of more than 1 and not over 2 moles of the polybasic acid for each mole of the glycol.

2,295,167
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 21, 1941, Serial No. 384,599
11 Claims. (Cl. 252—335)

1. A process for breaking water-in-oil emulsions, characterized by subjecting the emulsion to the action of a demulsifier comprising a water-soluble esterification product derived by reaction between: (A) two moles of a polyhydric alcohol in which one hydroxy hydrogen atom has been replaced by the acyl radical of a surface-active sulfonic acid having a molecular weight between 200 and 1,000 and said ester being water-insoluble; and (B) at least one mole of a polybasic compound; said polybasic compound being the esterification product of (*a*) a polyalkylene glycol having at least 7 and not more than 17 ether linkages, and the alkylene radical thereof containing at least 2 and not more than 6 carbon atoms; and (*b*) a polybasic carboxy acid having not more than 6 carbon atoms; and the ratio of the esterifying reactants being within the range of more than 1 and not over 2 moles of the polybasic acid for each mole of the glycol.

2,295,168
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 21, 1941, Serial No. 384,600
11 Claims. (Cl. 252—340)

1. A process for breaking water-in-oil emulsions, characterized by subjecting the emulsion to the action of a demulsifier comprising a water-soluble esterification product derived by

reaction between: (A) two moles of a water-insoluble trihydric alcohol ester of a high molal hydroxy acid having at least 8 and not more than 32 carbon atoms; and (B) at least one mole and not more than three moles of a polybasic compound; said polybasic compound being the esterification product of (*a*) a polyalkylene glycol having at least 7 and not more than 17 ether linkages, and the alkylene radical thereof containing at least 2 and not more than 6 carbon atoms; and (*b*) a polybasic carboxy acid having not more than 6 carbon atoms; and the ratio of the esterifying reactants being within the range or more than 1 and not over 2 moles of the polybasic acid for each mole of the glycol.

2,295,169

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application March 21, 1941, Serial No. 384,601
10 Claims. (Cl. 252—340)

1. A process for breaking water-in-oil emulsions, characterized by subjecting the emulsion to the action of a demulsifier comprising a water-soluble esterification product derived by reaction between: (A) two moles of a water-insoluble polyhydric alcohol ester of a high molal hydroxy acid having at least 8 and not more than 32 carbon atoms; the alcohol radical of said ester having a valency of at least 2 and not more than 4, and said ester containing hydroxyl groups as part of the acyl radical only; and (B) at least one mole of a polybasic compound, and not more moles than the number of acyl radicals per mole of aforementioned water-insoluble polyhydric alcohol ester; said polybasic compound being the esterification product of (*a*) a polyalkylene glycol having at least 7 and not more than 17 ether linkages, and the alkylene radical thereof containing at least 2 and not more than 6 carbon atoms; and (*b*) a polybasic carboxy acid having not more than 6 carbon atoms; and the ratio of the esterifying reactants being within the range of more than 1 and not over 2 moles of the polybasic acid for each mole of the glycol.

2,295,170

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application March 21, 1941, Serial No. 384,602
10 Claims. (Cl. 252—341)

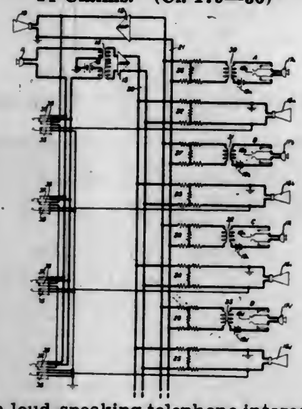
1. A process for breaking water-in-oil emulsions, characterized by subjecting the emulsion to the action of a demulsifier comprising a water-soluble esterification product derived by reaction between one mole of a polybasic compound and two moles of a water-insoluble amide of a high molar hydroxy acid having at least 11 carbon atoms and not more than 36 carbon atoms; the polybasic compound being the esterification product of (A) a polyalkylene glycol having at least 7 and not more than 17 ether linkages, and the alkylene radical thereof containing at least 2 and not more than 6 carbon atoms; and (B) a polybasic carboxy acid having not more than 6 carbon atoms; and the ratio of the esterifying reactants being within the range of more than 1 and not over 2 moles of the polybasic acid for each mole of the glycol.

2,295,171

TELEPHONE SYSTEM

William H. Edwards, Great Neck, N. Y., and Alfred Herckmans, Springfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 31, 1941, Serial No. 404,762
14 Claims. (Cl. 179—36)



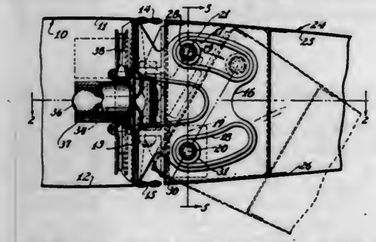
1. In a loud-speaking telephone intercommunicating system, a master station having a telephone set comprising a normally disabled loud-speaker and a transmitter, a subordinate station including a normally disabled loud-speaker, an intercommunicating line interconnecting said stations, and means at said master station for simultaneously enabling the loud-speaker at each of said stations and for effectively connecting the transmitter at said master station to said intercommunicating line.

2,295,172

CONTROL MECHANISM

Frank Erny, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application November 16, 1940, Serial No. 365,959
5 Claims. (Cl. 244—90)



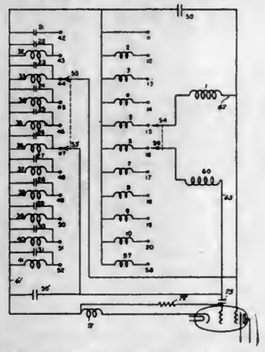
1. In an airfoil system tapered spanwise in thickness, a fixed airfoil having a substantially flat trailing edge normal to the airfoil chord plane, hinge means defining two hinge axes one close to one side of the airfoil trailing edge and one close to the other side of the airfoil trailing edge, said hinge axes converging toward one another, spanwise, in accordance with the taper of the airfoil system, a spanwise tapered control airfoil having devices engaging said hinge means, mechanism to move the airfoil upon said hinge means, and reliefs at said hinge means to allow of control airfoil movement to one side of neutral about the hinge axis closest to the one side, and to allow of control airfoil movement to the other side of neutral about the other hinge axis closest to the other side.

2,295,173

STEP-WISE TUNING OF ELECTRICAL CIRCUITS

Elmer L. Hoffmann and Donald M. Fetterman, Chicago, Ill., assignors to Sonora Radio & Television Corp., Chicago, Ill., a corporation of Illinois

Application June 20, 1940, Serial No. 341,418
6 Claims. (Cl. 250—40)



6. In a radio receiver, a means for the step-wise tuning of electrical circuits at substantially uniform intervals of frequency in a single band, comprising an inductor at least a portion of which is adjustable in predetermined steps constituting the fine steps, a capacitance being connected in shunt to said inductor, a sectionalized inductor and a plurality of capacitors, a switching means for connecting said sections of second inductor in shunted relationship to said first mentioned inductor, first mentioned capacitor, and to the various capacitors of said plurality of capacitors, said switching arrangement constituting the coarse step adjustment and said second capacitors having such a relationship to the sections of said sectionalized inductor and said adjustable inductor that said fine steps will equally subdivide said coarse steps and thereby uniformly subdivide the band of selectable frequencies into substantially uniform fine step intervals.

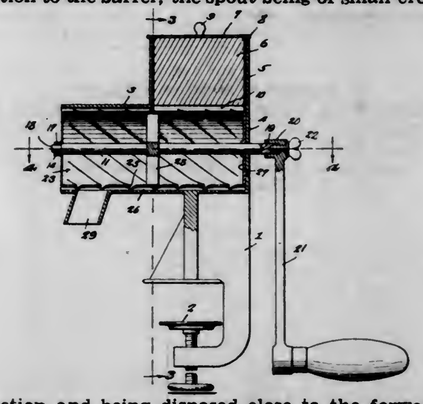
2,295,174

GRINDER AND SLICER

Emil Edward Hornung, Jacksonville, Fla.

Application October 28, 1940, Serial No. 363,185
1 Claim. (Cl. 146—92)

In a food grinder, a support, a substantially horizontal cylindrical barrel carried by the support and open at its forward end, the barrel having a rear end wall and being provided with an upstanding receiver having a rear wall in vertical alignment with the rear end wall of the barrel, a depending spout carried by the barrel and communicating with the barrel, and a cylindrical tubular divider supported coaxially in the barrel, for rotation therein, and extended forwardly above the spout, to a place closely adjacent to the open end of the barrel, there being a space for coarsely divided material between the divider and the barrel, the divider having an open forward end, and having openings defining dividing elements distributed throughout the entire length of the divider and extended outwardly into close relation to the barrel; the spout being of small cross



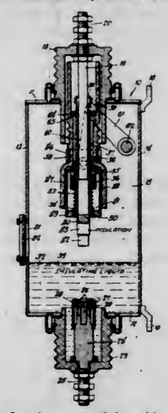
section and being disposed close to the forward end of the barrel and the barrel and the divider being extended well beyond the forward wall of the receiver whereby the dividing elements will have opportunity to work on coarsely divided material before it reaches the spout.

2,295,175

SWITCH CONSTRUCTION

Peder B. Hoye, Maywood, Ill., assignor to Electrical Engineers Equipment Co., Melrose Park, Ill., a corporation of Illinois

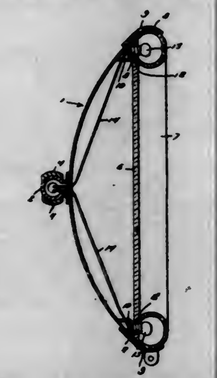
Application May 5, 1941, Serial No. 391,913
10 Claims. (Cl. 200—150)



1. In a switch, in combination, a housing, an upper switch member in the form of a rod vertically mounted in said housing, a lower switch member in said housing aligned with said upper switch member, a movable switch member having a sleeve portion telescoped with said upper switch member and a lower portion for butt contact engagement with said lower switch member, a sleeve of insulation telescoped with said movable switch member, spring means interconnecting said sleeve of insulation and said movable switch member, and operating means attached to said insulating sleeve and extending out of said housing for moving said movable switch member along said upper switch member and into

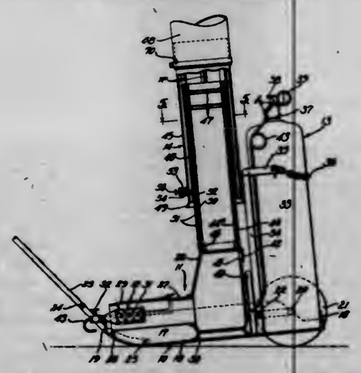
and out of engagement with said lower switch member, said sleeve of insulation being movable relative to said movable switch member when movement thereof is arrested whereby accurate adjustment of the throw of said operating means is not required.

2,295,176
VEHICLE SIGNAL LIGHT
Joseph John Kelly, Midland, Tex., assignor of forty per cent to Raymond T. Kelly, Carpinteria, Calif.
Application April 9, 1941, Serial No. 387,759
2 Claims. (Cl. 177—329)



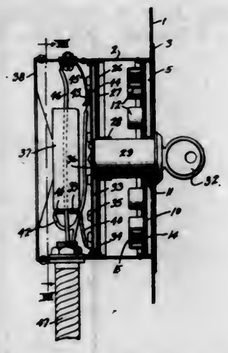
1. A signal of the class described comprising a mirror having holes passing through its edge portion, a colored tube of transparent material fastened directly to the front face of the mirror at the edge portion thereof with the tube extending entirely around the mirror, that portion of the tube contacting the mirror having an opening therein communicating with the holes with the edge walls of the opening fastened to the mirror, and electric lamps in the tube and having portions passing through the holes.

2,295,177
PREHEATER FOR AIRCRAFT
James T. King, Los Angeles, Calif., assignor to Leo M. Harvey, Los Angeles, Calif.
Application July 29, 1940, Serial No. 348,183
2 Claims. (Cl. 263—19)



1. A device for heating aircraft engines, compartments, etc. including a body, a fire box on the body having an upwardly extending heat passing stack, burner means at the fire box, a fuel container supported by the body to be in adjacent relation to the fire box, means for conducting fuel from the container to the burner means, the fire box having an opening for passing heat to the container to preheat the fuel therein, and means controlling said opening.

2,295,178
AUTOMOBILE THEFT INDICATOR
Christ E. Kolias, Chicago, Ill.
Application July 14, 1941, Serial No. 402,322
11 Claims. (Cl. 177—314)



1. An automobile theft indicator including in combination a casing for mounting in the automobile, an index thereon, an ignition switch lock within the casing, an audible alarm in the casing, a plurality of rotatable and stationary control dials in the casing, switch mechanisms carried by the rotatable control dials and connected with the audible alarm, and a combination setting mechanism on one of the rotatable dials adapted to be selectively set with respect to the index to close the switch mechanisms and lock the rotatable dials with the stationary dial when the ignition switch lock is turned on causing continuous operation of the audible alarm.

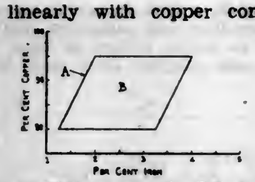
2,295,179
LUBRICATING COMPOSITION AND MODIFIED ADDITION AGENT THEREFOR
Clarence M. Loane, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application October 26, 1940, Serial No. 363,025
19 Claims. (Cl. 252—53)

13. A lubricant comprising a lubricating oil and the reaction product of a phosphatidic material and an aromatic amine at temperatures below about 300° F.

2,295,180
COPPER ALLOY
Edmund G. Mitchell, Godfrey Township, Madison County, Ill., assignor to Western Cartridge Company, East Alton, Ill., a corporation of Delaware
Application May 20, 1940, Serial No. 336,151
7 Claims. (Cl. 75—155)

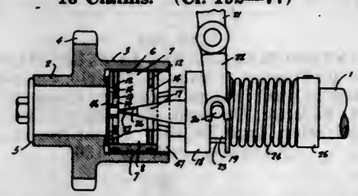
1. An alloy composed of 80% to 95% copper, a proportion of iron not less than a minimum

increasing linearly with copper content from



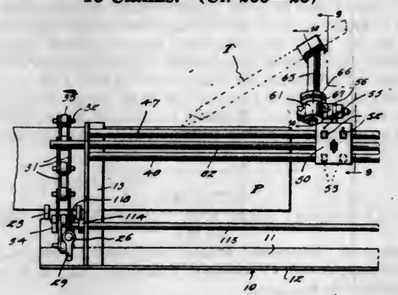
1.25% iron at 80% copper to 2% iron at 95% copper, and the balance 1% to 18.75% zinc.

2,295,181
CLUTCH MECHANISM
Walter J. Moore, Huntington Park, and Stover C. Winger and Leslie K. Loehr, Los Angeles, Calif., assignors to Guy H. Hall, Los Angeles, Calif.
Application May 12, 1941, Serial No. 393,062
18 Claims. (Cl. 192—77)



2. In a clutch mechanism, a rotary driving member, a rotary driven member, said members being co-axial, one of said members having an internal surface of revolution forming a clutching surface, a plurality of nested interrupted bands interposed between said surface and the other member, the innermost band having an end in driving relation to the other of said members, the outermost band having an external surface adapted to co-operate with said internal surface, and means for causing the bands to be driven in serial angular relation for maintaining the outermost band in cooperative relation with said internal surface.

2,295,182
PIPE CUTTING MACHINE
James Norton, Tulsa, Okla.
Application September 11, 1940, Serial No. 356,400
13 Claims. (Cl. 266—23)



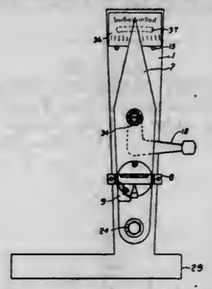
1. A pipe cutting machine comprising a cradle for the pipe, means for rotating the pipe, a cutting torch slidably mounted longitudinally of the axis of the pipe means for reciprocating the torch and interchangeable gearing interposed between the pipe rotating means and torch reciprocating means for varying the speed of the torch, whereby said torch may be caused to move in reverse directions during a 90° rotation of the pipe.

2,295,183
SCAFFOLDING
Alxyre Perreault, River Rouge, Mich.
Application July 24, 1941, Serial No. 403,848
3 Claims. (Cl. 304—4)



1. In a scaffold construction of the class described; a supporting cage embodying a supporting bar; a rail connected intermediate its ends at each end of said bar; a tubular standard pivotally connected at its lower end centrally of said bar and projecting upwardly to therefrom; lugs projecting outwardly from said standard; and brace rods connecting the opposite ends of said rails to said lugs.

2,295,184
ALIGNER GAUGE
Clarence I. Sandbo, Rock Island, Ill., assignor of one-half to Lee Roy Dehler, Rock Island, Ill., and one-third to W. Leroy Hoehn, Davenport, Iowa
Application June 17, 1940, Serial No. 341,056
7 Claims. (Cl. 33—203)



1. An aligner gauge comprising in combination: a gauge body having a right angle base securely attached to gauge body at right angle to center of gauge body; an indicator pointer provided with a spirit level bracket consisting of a circular base and two forks in a position at right angle to base of the bracket; the base of the bracket attached to the face of the pointer by a pivotal axis at right angle to the face of the pointer; spirit level housing swingably attached between two forks of bracket and having an extension shaft at each end forming spirit level housing axis; outer ends of bracket forks provided with sleeve bearings parallel with base and in direct line with each other and means for securely fastening sleeves; a balance weight securely attached to lower surface of spirit level housing; means for turning spirit level bracket on pointer in position so that spirit level is either parallel or perpendicular to indicator pointer; spirit level bracket stop securely attached to pointer; two abutment pins releasably attached to top surface of the base of spirit level bracket with means for degree reading of gauge at right angle, at vertical or inverted position from a given plane; a rectangular shaped calibrated dial having degree reading scales; indica-

tor pointer pivotally attached to gauge body near base of gauge body swingable over gauge body and calibrated dial; an adjustable, sliding calibrated dial releasably attached to upper extremity of gauge body; an extension support releasably attached to back side of gauge body; means for securely attaching extension support of gauge body to spindle bracket with gauge body in position parallel to or perpendicular to plane of wheel; a universal lever operating on a fulcrum attached to gauge body and connected with pointer.

2,295,185

SKI EDGE

William F. Serr, New York, N. Y., assignor, by mesne assignments, to Eric Pusinelli, New York, N. Y.

Application March 26, 1941, Serial No. 385,248

7 Claims. (Cl. 280—11.13)



1. In a ski, a body member, a reenforcing strip comprising a plurality of sections of laminated metal, each section having a base strip with means for attaching to the ski body and an outer strip for running on the snow, each inner strip having at one end a notch and at the other end a tongue, the adjoining strips substantially abutting with the ends on the outer strips in engagement and the tongues on the inner strips seated in the notches of the adjoining inner strips, said tongues projecting from the ends of their respective sections and seated under the ends of the adjoining sections.

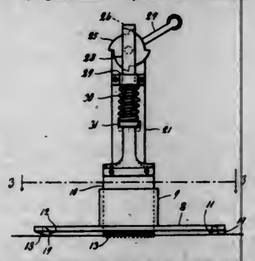
2,295,186

SURVEY MARKING DEVICE

Ludwig Schwarzmayr, San Francisco, Calif.

Application July 18, 1941, Serial No. 403,025

8 Claims. (Cl. 33—189)



1. In a survey marking device, a base, a vertical guide supported by said base, a long-edged cutter retained by said guide with cutting edge in a fixed direction with respect to said base during cutting operation, said base being adapted to be positioned on the surface of a pavement to align the cutting edge of said cutter with an initial line of a survey mark.

2,295,187

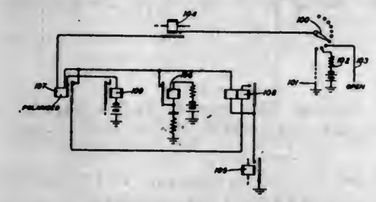
TRUNK HUNTING CIRCUIT

Charles G. Spencer, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 24, 1941, Serial No. 412,059

6 Claims. (Cl. 179—18)

1. In a telephone system, a switch, a magnet for causing said switch to advance in search of an idle trunk, a polarized relay, a test wiper for said switch, a first operating circuit for said magnet including said polarized relay and said test wiper in series, means in busy trunks for operating said magnet over said first circuit,



means in idle trunks for operating said relay, a second circuit for said magnet and means to closed said second circuit when said test wiper rests on a trunk which does not complete said first circuit.

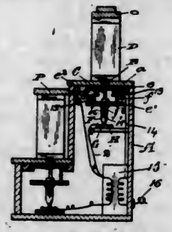
2,295,188

INTERCHANGEABLE LETTER SIGN

James R. Starnes, Toronto, Ontario, Canada, assignor to Interchange Neon Sign Company Limited, Toronto, Ontario, Canada, a corporation

Application April 29, 1940, Serial No. 332,412

2 Claims. (Cl. 40—130)



1. An interchangeable letter sign comprising a cabinet having an elongated opening formed through the top thereof, a lamp mounting fitted in said cabinet and positioned beneath said opening, a series of lamp sockets fitted in said mounting, a series of lamps formed in the shapes of letters comprising hermetically sealed tubes containing luminescent gas, adapted to be inserted and detachably engage in said sockets, a series of contacts depending from said mounting, contact plates set in said cabinet and engageable by said contacts, said mounting and contacts wired in circuit with an electrical source fitted in said cabinet, said lamp mounting adapted to be longitudinally adjusted to make and break the circuit connection with a portion of said lamp mounting and to center the display of lamps when varied on the said mounting numerically and permutably.

2,295,189

SOAP AND LUBRICANT CONTAINING THE SAME

Reuben A. Swenson, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application March 29, 1940, Serial No. 326,785

21 Claims. (Cl. 252—36)

1. The process which comprises reacting lead oxide and a fatty oil and subsequently reacting the product so obtained with an hydroxide of a metal selected from the class consisting of alkali metals and alkaline earth metals at a sufficiently elevated temperature to substantially eliminate any water present in the final product whereby

a complex soap of lead and a metal selected from the class consisting of alkali metals and alkaline earth metals is formed.

5. A lubricant composition comprising a lubricating oil and the product obtained by the process of claim 1.

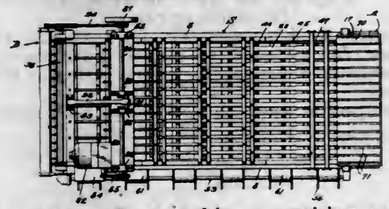
2,295,190

PICKLE SEPARATING MACHINE

Harry H. Zenge, Canton, Mo., and William J. C. Zenge, deceased, late of Canton, Mo., by W. E. Zenge, administrator, Canton, Mo., assignors to said Harry H. Zenge and F. W. Goetz, both of Canton, Mo.

Application July 11, 1940, Serial No. 344,998

1 Claim. (Cl. 209—99)



A pickle grading machine comprising a support, a transverse chute on the support, means on the support for grading pickles and depositing them in the chute, a pickle-receiving belt conveyer in the chute, means for supporting and operating the conveyer, including a longitudinal shaft mounted in the chute for adjustment longitudinally of the chute, means carried by the chute for moving the shaft outwardly, said means comprising a frame carried by the chute and including an abutment, a bearing slidable in the frame and engaging the longitudinal shaft, and a wedge in the frame and engaged between the abutment and the bearing; a transverse driving shaft journaled on the support, intermeshing beveled pinions connecting the shafts, and means for securing one pinion to the transverse shaft, for adjustment longitudinally of that shaft, to maintain the pinions in mesh.

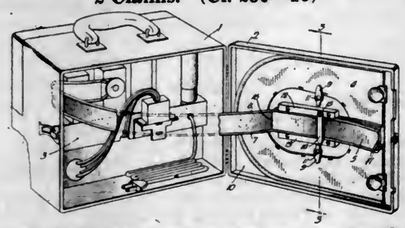
2,295,191

RADIO RECEIVING APPARATUS

James J. Adams, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois

Application September 19, 1940, Serial No. 357,446

2 Claims. (Cl. 250—16)



1. In radio receiving apparatus, a casing therefor, an antenna removably arranged within said casing and positionable apart therefrom, means comprised in said casing removably supporting said antenna in a predetermined position, an antenna lead connecting said antenna with said apparatus, said antenna lead being extensible to accommodate the positioning of said antenna apart from said casing and collapsible for positioning with said antenna within said casing, means fixed within said casing removably supporting said antenna lead in a position predetermined with respect to said antenna, and means comprised in the structure of said antenna lead acting thereupon to effect a uniform arrangement thereof as it is collapsed.

2,295,192

LUBRICATING COMPOSITION AND MODIFIED ADDITION AGENTS FOR THE SAME

Maurice H. Arveson, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application October 26, 1940, Serial No. 363,018

16 Claims. (Cl. 252—53)

12. A lubricant comprising a lubricating oil and from about 0.01% to about 5% of the reaction product of a hydrogenated phosphatidic material and an organic amine at temperatures below about 300° F.

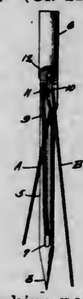
2,295,193

SEWING MACHINE NEEDLE

James W. Alexander, Bozeman, Mont.

Application August 2, 1940, Serial No. 349,502

2 Claims. (Cl. 112—224)



1. In a sewing machine needle, a body portion having an eye at one end thereof, a shank at the opposite end of the body portion, said body portion having an opening adjacent to the shank, the body portion being split from the opening to the eye, an upwardly and outwardly inclined hook secured within the opening and spaced from the walls of the opening, and over which a thread used to thread the needle is positioned, and said hook adapted to direct the thread through the split portion to the eye when the thread is pulled downwardly through the split portion of the needle.

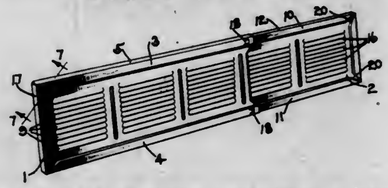
2,295,194

WINDOW VENTILATOR

Truman L. Atkinson, Ludington, Mich.

Application July 19, 1940, Serial No. 346,294

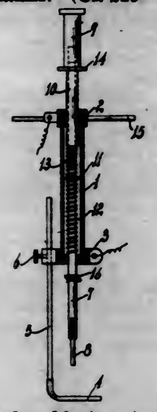
4 Claims. (Cl. 98—99)



1. A window ventilator comprising, a frame, a body integral with said frame and located in a different plane therefrom, and stiffening means including an indented portion extending from a corner of the frame inwardly to the adjacent corner

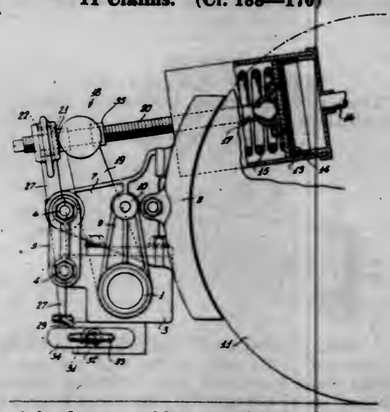
of the body, said indented portion being substantially triangular and the sides thereof diverging inwardly.

2,295,195
ELECTRIC SOLDERING TOOL
Charles F. Barnum, Wilmington, Calif.
Application July 5, 1941, Serial No. 401,136
3 Claims. (Cl. 219—26)



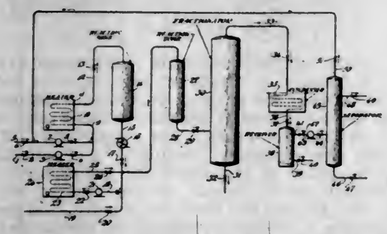
3. An electrical soldering tool comprising a housing, a contact means mounted on the housing, a contact collar mounted on the housing, a foot mounted on said collar and spaced below the housing, a shaft extending longitudinally through the housing, the lower end of said shaft being adapted to engage the foot, spring means engaging the shaft and urging said shaft in a direction away from the foot, contact means on the shaft, said contact means being engageable with the contact means on the housing on depression of said shaft, whereby the contact is closed between the shaft and the first-named contact means.

2,295,196
EMERGENCY RELEASE FOR SPRING APPLIED BRAKES
John David Barr, Pittsburgh, Pa., assignor to Transit Research Corporation, a corporation of New York
Application September 16, 1940, Serial No. 356,954
11 Claims. (Cl. 188—170)



1. A brake assembly comprising a brake and a brake actuating member connected thereto and movable to a brake-on and a brake-off position, means for moving said member comprising a piston movable to brake-on and brake-off positions, means connecting said member to said piston in such manner that their positions normally coincide, said last named means being adjustable to an extent enabling positioning of said member in its brake-off position while the piston is in its brake-on position, and ratchet-like control means carried by said last named means as a permanent part thereof for causing adjustment of said connecting means.

2,295,197
CATALYTIC RE-FORMING OF HYDROCARBONS
Wayne L. Benedict and William J. Mattox, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 22, 1940, Serial No. 330,955
4 Claims. (Cl. 196—52)

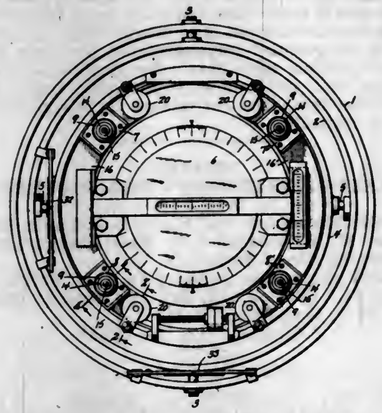


1. A process for reforming hydrocarbon oil of substantially gasoline boiling range which comprises mixing a straight run oil with hydrogen, subjecting the mixture to catalytic reforming agent at a temperature within the range of 500–650° C. and a pressure within the range of substantially atmospheric to 100 pounds per square inch, mixing resultant reaction products, including hydrogen, with a cracked hydrocarbon distillate of substantially gasoline boiling range, subjecting the resultant mixture to catalytic reforming at a temperature within the range of approximately 450–550° C. and a pressure within the range of approximately 100–2000 pounds per square inch, fractionating resultant reaction products into gas and gasoline, recovering the gasoline, separating a hydrogen-containing fraction from the gases and returning and mixing said fraction with said straight run oil.

2,295,198
UNIVERSAL OSCILLATION DAMPER FOR SENSITIVE INSTRUMENTS
Frederick D. Braddon, Babylon, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 2, 1939, Serial No. 307,214
4 Claims. (Cl. 248—358)

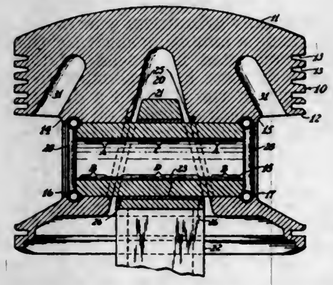
4. In a gyro-compass, an outer support, a gimbal arrangement having a major ring mounted on said support to pivot about a horizontal axis, a minor ring mounted within said major ring to pivot about a normally horizontal axis perpendicular to the pivot axis of the major ring, a compass element, a plurality of equidistantly arranged resilient supports for shock mounting said compass element in said minor ring against both vertical and lateral vibrations, and means

associated with each of said shock mounting sup-



ports for damping the oscillations of the compass element both vertically and laterally.

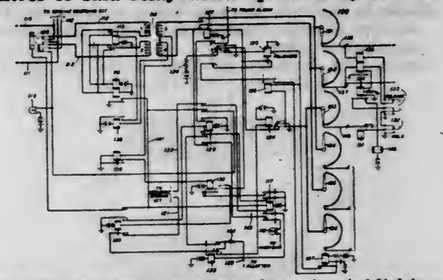
2,295,199
PISTON
Gustaf Carvelli, Ridgewood, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application December 27, 1941, Serial No. 424,559
3 Claims. (Cl. 309—19)



1. An integral piston comprising a head, a skirt depending therefrom, spaced bosses depending from the head in spaced relation to said skirt, alined bores through the skirt and bosses, a piston pin engaging and bridging the space between said bosses, and a plug in a pin end bridging the space between the boss and skirt projecting through the skirt opening to substantially flush relationship with the skirt surface.

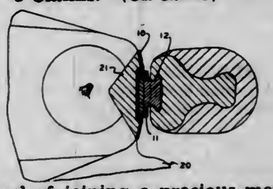
2,295,200
TRUNK HUNTING CIRCUIT
Orfeo Cesareo, Washington Township, Bergen County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 24, 1941, Serial No. 412,073
7 Claims. (Cl. 179—18)

1. In a telephone system, a switch, a magnet for causing said switch to advance in search of an idle trunk, a polarized relay, a test wiper for said switch, an operating circuit for said magnet including said polarized relay and said test wiper in series, means in busy trunks for operating said magnet over said circuit, means in idle trunks for operating said relay, and means under the control of said relay when operated by an idle



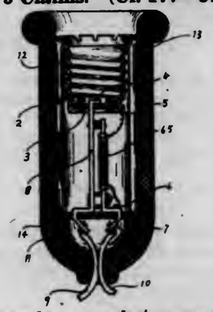
trunk for stopping said switch and establishing a connection with said trunk.

2,295,201
REMOVABLE DENTURE
Nathaniel Chayes, New Rochelle, N. Y.
Application February 5, 1941, Serial No. 377,432
3 Claims. (Cl. 32—5)



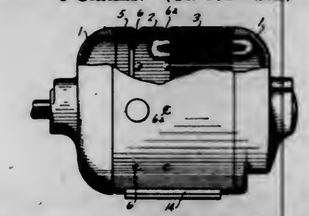
1. A method of joining a precious metal to a non-precious metal alloy, which comprises fusing the non-precious metal alloy to the platinum at about 2450° F., fitting a precious metal member with a strip of gold solder to the platinum strip, and heating the union sufficiently to unite the platinum strip and the precious metal member with the fusion of the gold solder thereto.

2,295,202
THERMOSTATIC FLASHER
George B. Davis, Jr., Washington, D. C.
Application January 23, 1940, Serial No. 315,265
5 Claims. (Cl. 177—347)



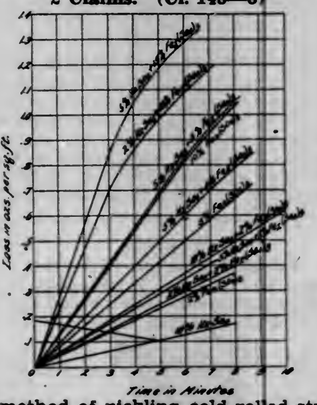
1. A flasher lamp socket organization for use in connection with a Christmas-tree series or the like, including an insulating casing, a receiving screw shell within said casing, leads to the terminals of said shell, a low resistance heater in circuit with one of said leads and connected in common with a bimetallic strip, said strip having a portion movable for moving into circuit closing engagement with the other of said leads when actuated by the heat from said resistor, said strip being located in position for effectively shorting out said heater and said socket member.

2,295,203
FIELD RING
Victor L. Darnell, Dayton, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio
Application January 26, 1940, Serial No. 315,812
6 Claims. (Cl. 171—252)



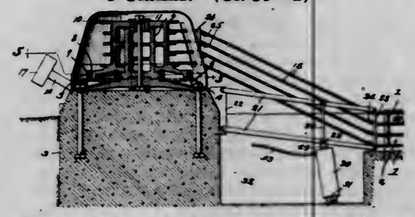
1. In a dynamo-electric machine assembly, a field ring comprising a group of laminae, a brush mounting ring, a band of sheet metal surrounding the field ring and brush mounting ring, a plurality of interior axial indentations in the band and protuberances formed by the indentations thereof afford stop shoulders for at least one of said rings.

2,295,204
RESURFACING OF METALS
Thomas Dockray, Baltimore, Md.
Application August 27, 1938, Serial No. 227,186
2 Claims. (Cl. 148—8)



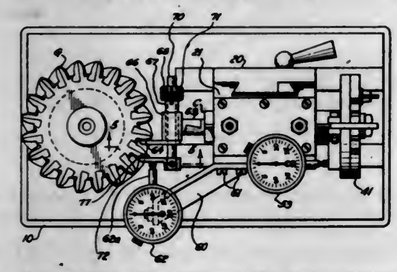
1. A method of pickling cold rolled strip steel which comprises contacting the surface of the steel for a predetermined time with an aqueous solution which contains substantially 5% of sulphuric acid and substantially 4% of ferric sulphate.

2,295,205
HIGHWAY TRAFFIC BARRIER
Edwin Stanton Fraser, Tallahassee, Fla.
Application December 21, 1939, Serial No. 310,423
6 Claims. (Cl. 39—1)



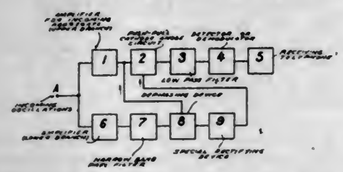
1. In a traffic control, drums mounted for rotation on opposite sides of a highway, means for retarding the rotation of the drums, a flexible element would about the drums, a gate interposed in the flexible element, and means under the control of an operator for depressing the gate, said means having shoulders, the flexible element passing in a continuous length detachably beneath the shoulders, for release therefrom under vehicle impact.

2,295,206
TESTING INSTRUMENT FOR TOOTHED WHEELS
Fred W. Fraumann and Harry E. Kitchen, Buffalo, N. Y., assignors to Farrel-Birmingham Company, Inc., Buffalo, N. Y.
Original application January 14, 1939, Serial No. 250,984. Divided and this application August 19, 1941, Serial No. 407,474
2 Claims. (Cl. 33—179.5)



1. A measuring instrument for determining the divisional spacing of the teeth on the periphery of a substantially cylindrical gear or cutter member comprising a mounting shaft for the member, a carriage mounted in spaced relation to said shaft, said carriage being slidable to and away from the axis of the shaft in a direction lateral thereto, a test block mounted on the carriage and adapted by the movement of the carriage to be brought adjacent the teeth, said test block having a fixed jaw and a movable jaw, said fixed jaw being of less thickness than the spacing between adjacent teeth whereby said jaw may contact one tooth only along the flank edge thereof, said movable jaw being spaced from the fixed jaw and having a gauge surface adapted to engage the corresponding portion of an adjacent tooth, and means operated by engagement of the movable jaw with said corresponding portion to indicate the deviations in spacing between successive teeth.

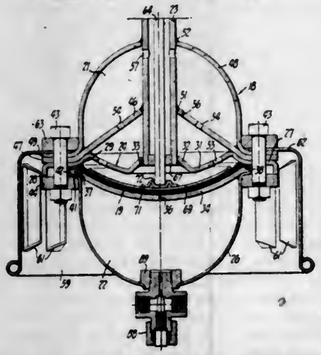
2,295,207
SELECTION OF WAVES HAVING SUPERPOSED FREQUENCIES
Leonide Gabrilovitch, Paris, France
Application July 28, 1939, Serial No. 287,100
In France July 29, 1938
11 Claims. (Cl. 250—20)



1. A process for the selection of modulated waves having superposed frequency bands and overlapping side bands, by a system having a push-pull arrangement of triodes with variable

tension on the anodes designated as diodes provided with grids, which consists in impressing the sum of the modulated waves upon the system, energizing the grids of the diodes in turn, and in modifying the operation of each grid by intermittently subjecting it to the action of one of the alternations of the carrier of the wave to be eliminated.

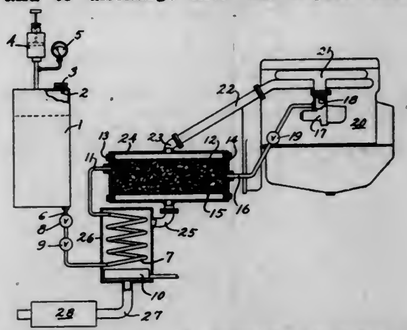
2,295,208
PRESSURE REGULATOR
Marvin H. Grove, Berkeley, Calif.
Application October 4, 1939, Serial No. 297,856
6 Claims. (Cl. 137—156)



1. In pressure operated means of the character described, an angularly contoured part formed of pressed sheet metal, the periphery of said part being provided with a substantially cylindrical shaped rim to form an abutment shoulder, a flexible diaphragm having a diameter substantially less than the diameter of said part but extending across one side of said part, another annularly contoured part formed of pressed sheet metal and forming a fluid space upon the other side of the diaphragm, a rigid diaphragm plate extending across the face of said last named part in close proximity with the diaphragm, a peripheral edge portion of said last named part being formed to embrace the peripheral edge portion of the diaphragm plate, the peripheral edge portion of the plate together with an annular surface of said first named part, forming opposed shoulders for gripping the peripheral edge portion of the diaphragm, the peripheral edge portion of the second named part being concentric with respect to the rim formed on the first named part and spaced inwardly from the same, screws or bolts extending through the first named part in an annular area extending between said rim and the peripheral edge portion of the second named part, and elements engaged by said bolts engaging said rim and the peripheral edge portion of the second named part for urging the two parts together upon the diaphragm.

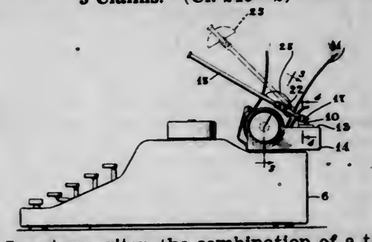
2,295,209
FUEL FOR INTERNAL COMBUSTION ENGINES
Paul A. Guiles and Basil Rawes Vaughan, San Francisco, Calif.
Application December 27, 1939, Serial No. 311,152
2 Claims. (Cl. 123—3)

1. A fuel feeding apparatus for an internal combustion engine, comprising a tank for holding water, and having means for placing the water under pressure, a closed conduit connecting the tank and the engine intake, a coil in the conduit for receiving water from the tank, means for heating the coil whereby the water is turned into steam, a container for steel wool in the conduit and mounted to receive steam from the coil outlet and to discharge into the engine intake,



means for heating the container whereby the steam passing over the steel wool is reduced in part for producing free hydrogen and whereby mixed steam and free hydrogen is fed to engine intake, and means for adding air to the mixture after it leaves the container.

2,295,210
ILLUMINATED PLATEN
Charles V. Gutensohn, San Diego, Calif., assignor to Sherman Haynes, San Diego, Calif.
Application February 21, 1940, Serial No. 320,087
5 Claims. (Cl. 240—2)

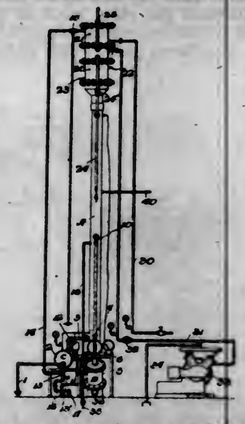


5. In a typewriter, the combination of a transparent cylindrical platen mounted thereon, an elongated lamp substantially parallel with and located outside of said platen to illuminate substantially uniformly the entire length of the same by rays of light coming directly from said lamp, and supporting means for the ends of said lamp, said means embodying adjustable means for disposing the lamp a substantial distance to the front of the platen as well as in close proximity to the top thereof, whereby any papers coming off the platen may pass, respectively, either behind or in front of the lamp.

2,295,211
PROCESS OF SELECTIVELY RECOVERING DESIRABLE CONSTITUENTS OF NATURAL GAS
John L. Hall, Charleston, W. Va., assignor of one-half to Danciger Oil and Refineries, Inc., Tulsa, Okla.
Application December 28, 1939, Serial No. 311,415
13 Claims. (Cl. 196—7)

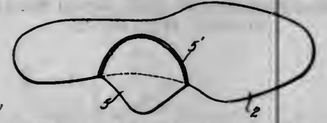
1. The process of recovering liquefiable constituents from natural gas which is at a high pressure of the order of 700 lbs. per square inch and above which comprises, passing the gas to a fractionating zone, preheating the gas prior to

admission to said zone, and contacting the preheated gas in the said zone with a scrubbing liq-



uid comprised of heavier condensable components of the gas and maintaining the zone under substantially the well pressure of the gas.

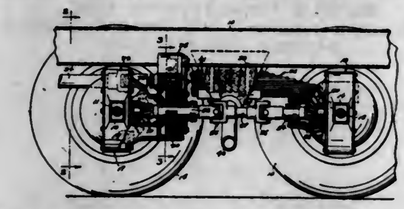
2,295,212
SHOE
Conrad J. Hamel, Woonsocket, R. I.
Application July 18, 1941, Serial No. 403,034
2 Claims. (Cl. 36—71)



1. In a shoe, a ribbed inner-sole, the upper of the shoe being attached to the rib on the inner-sole, and a flexible molded wing of leather stitched to the upper surface of said inner-sole and having in the cavity provided between said wing and inner-sole a plurality of inserts progressively decreasing in size from the bottom of said cavity upward, said inserts being of flexible material having outer surfaces which provide frictional resistance to their displacement from the cavity in which they are inserted, said wing and inserts having a curved inner portion of similar outline to each other being of the same curved outline as the instep of the wearer, said wing having an extension adapted to be against the side of the shoe and prevent movement of said inserts.

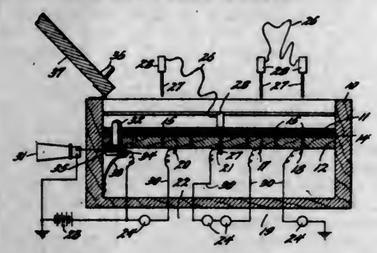
2,295,213
DUAL-DRIVE TANDEM REAR-AXLE VEHICLE
Carl R. Holmstrom, Seattle, Wash., assignor to Kenworth Motor Truck Corporation, Seattle, Wash., a corporation of Washington
Application May 31, 1941, Serial No. 396,125
4 Claims. (Cl. 180—22)

1. In a dual-drive close-coupled tandem rear-axle vehicle, in combination with the live tandem rear axles, differentials therefor, housings for said axles and differentials, a propeller shaft for driving said axles, and a vehicle main frame: a pair of suspension beams, one at each side of the frame, extending longitudinally thereof from one to the other axle with the ends flexibly connected to the ends of the axle housings and with the centers pivotally supported from the frame, said flexible connection comprising blocks of elastic rubber carried by the axle housings and into which said beam ends are embedded and functioning to restrain the axle housings against relative rotation; in-line pinion shafts arranged to lie on the approximate horizontal plane of the axle and mounted to extend rearwardly from the forwardly disposed tandem rear axle and forwardly from the rearwardly disposed rear axle; a stubbed between-axle propeller shaft interposed between and connected by universals to the inner ends of said pinion shafts; driving connection from the outer ends of the pinion shafts



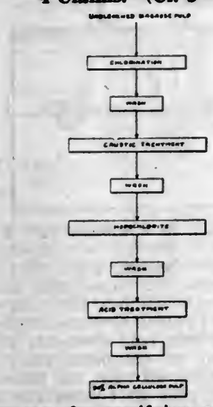
to the differentials of the related axles; a stub drive shaft having universal connection with the main propeller shaft and disposed parallel with and elevated above the forwardly disposed pinion shaft sufficient to provide clearance between a forward prolongation of said stub drive shaft and the upper outline of the forward axle housing; a set of drop-gears disposed between the axles and having its upper gear driven by said stub drive shaft and the lower gear driving the forwardly disposed pinion shaft; and a gear case for said drop-gearing supported from the forwardly disposed axle housing.

2,295,214
THEFT PREVENTING DEVICE
Charles Jackson, Baltimore, Md.
Application March 26, 1940, Serial No. 326,117
1 Claim. (Cl. 173—328)



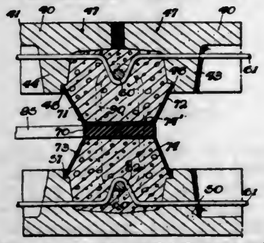
In an ignition circuit switch to prevent unauthorized use of an automobile, a switch box having a series of openings, four contacts in line with four of said openings, means joining the four contacts to form a circuit, having two brakes therein, one between the first two contacts and the other between the two additional contacts, said circuit being incomplete unless both breaks are independently bridged and a pair of flexible connectors each having two terminals for manual insertion through the openings into electrical engagement with the contacts to complete said circuit the number of openings being more than double the number of contacts so as to present a high number of possible permutations, whereby when the ignition circuit loads such as distributor coil and spark plugs are located on the several sides of the two breaks and the four contacts are improperly joined by the two connectors the automobile cannot be operated.

2,295,215
ALPHA CELLULOSE PULP
Herman L. Joachim, Los Angeles, Calif., assignor to Maui Agricultural Company, Ltd., a corporation of Hawaii
Application September 16, 1940, Serial No. 356,929
4 Claims. (Cl. 8—105)



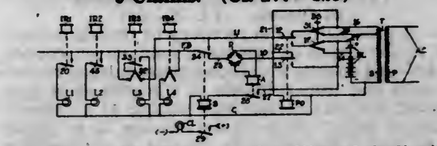
1. A process for purifying a substantially delignified but substantially otherwise untreated bagasse pulp comprising treating an aqueous solution of said pulp with free chlorine in an amount of approximately 75% of the total chlorine demand of the pulp at about room temperature, removing resultant chlorination liquor from the pulp and washing the pulp, treating the washed pulp with an alkaline solution at an elevated temperature, washing the pulp, treating the washed alkali-treated pulp with a hypochlorite solution containing substantially the additional chlorine required to chlorinate the remaining impurities, and washing the treated pulp.

2,295,216
BUILDING CONSTRUCTION
Samuel Scott Joy, Washington, D. C., assignor to Anna P. Joy, Washington, D. C.
Application April 8, 1939, Serial No. 266,805
11 Claims. (Cl. 72—30)



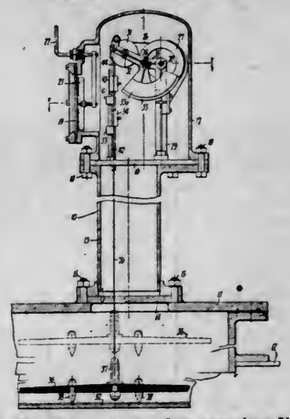
1. A wall construction which comprises a course of precast wall units, each of which comprises a member having a flat exposed surface and a non-planar opposite surface, and each such unit being formed with a vertically extending recess adjacent each end, such that when the said units are laid end to end a recess of columnar form is thereby defined; a parallel course of precast units each of which units has a centrally disposed, vertically extending recess; the said first group of units being so juxtaposed to the said second group that the central recesses of the said second group are opposite and are aligned with the recesses formed by contiguous ends of units of the first group; a mold form between the aligning courses and contacting the units in the parallel courses to form a column and a plastic material within the mold form and contacting the adjacent surfaces of the unit.

2,295,217
FLASHING SYSTEM FOR INDICATING LAMPS
Thomas J. Judge and Heyward J. Pearce, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application December 5, 1939, Serial No. 307,650
9 Claims. (Cl. 177—329)



1. In combination; a plurality of indicating lamps; a control contact in series with each lamp; a full-wave rectifier; a first relay connected to the direct current terminals of said full-wave rectifier and responsive to the current derived from such rectifier; a first circuit including said full-wave rectifier connected in series in said circuit by its alternating current terminals, a plurality of indicating lamps in multiple each lamp having its control contact in series and a source of current which may be either direct current or alternating current; a second circuit including a front contact of a second relay, said indicating lamps in multiple each lamp having its control contact in series and said source of current; said front contact of said second relay also causing deenergization of said rectifier and said first circuit upon lifting of said front contact; an energizing circuit for said second relay including a front contact of said first relay; whereby if a control contact is closed said relays will alternately be energized and the associated lamps will be flashed and said relays will be deenergized if said control contact is again opened.

2,295,218
LIQUID INDICATOR APPARATUS
Albert E. Jurs, Piedmont, Calif.
Application April 9, 1940, Serial No. 328,665
7 Claims. (Cl. 33—126.7)



1. In indicating means for gauging liquid storage tanks, an elongated element adapted to extend down into a tank, a body attached to the

lower end of the element and adapted to assume a gauging position in the tank, and means for applying a predetermined constant tension to the element while the body remains in a gauging position.

2,295,219

PROCESS FOR TREATING METALLURGICAL SLAGS

Bo Michael Sture Kalling, Djursholm, and Per Gustaf Lennart Brannstrom, Skelleftehamn, Sweden

No Drawing. Application April 7, 1941, Serial No. 387,356. In Sweden May 10, 1940
12 Claims. (Cl. 75—24)

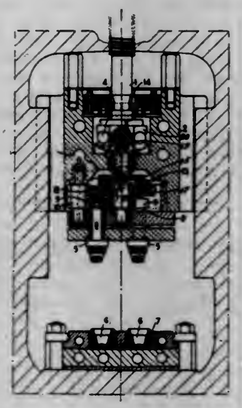
1. A process for the recovery of metals belonging to the group consisting of gold, silver, copper, nickel and cobalt, which comprises adding metallic iron and iron sulphide to siliceous slags containing the said metals and mixing at a temperature at which these materials are in a molten state, said iron sulphide having a composition corresponding to a higher content of non-oxidizing Fe than according to the chemical formula FeS.

2,295,220

PRESS FOR MOLDING PLASTIC MATERIAL

Rudolph John Kaula, Edgbaston, Birmingham, England, assignor to The General Electric Company Limited, London, England

Application January 9, 1940, Serial No. 313,053
In Great Britain September 7, 1938
10 Claims. (Cl. 18—16)



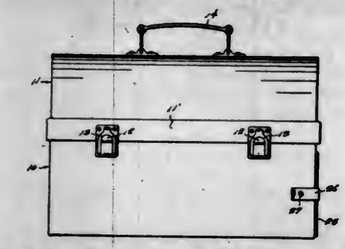
7. In a press of the character described, the combination of a stationary mold member, a rotatable mold member complementary to said stationary mold member, one of said mold members having a screw-thread portion for impressing a screw thread upon an article molded in said press, a mold head on which said rotatable member is non-translatably carried, means to reciprocably translate said mold head, means to prevent rotation of said mold head, means to turn said rotatable mold member, means to positively synchronize said mold member turning means with said mold head translating means so that for each revolution of said rotatable member said mold head will be translated a distance equal to the pitch of said screw thread, and means to render said last named means inoperable when said rotatable mold member is approaching said stationary mold member.

2,295,221

ELECTRICALLY HEATED LUNCH KIT

Frank J. King, Seattle, Wash.

Application January 9, 1941, Serial No. 373,707
5 Claims. (Cl. 219—19)



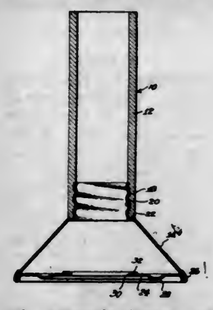
1. In a lunch kit, in combination: a portable lunch box formed to provide a compartment for a prepared lunch; a heating plate provided with box-engaging means for detachably suspending the plate in secured relation to the box, said plate having an electric heating element housed therein and, for energizing said element, being provided with a pair of complementary exposed prongs fixedly associated with the plate and arranged for direct plug-in connection with the end fitting of an electric cord the electric energy to which is derived from the electric outlet of a house circuit, and a handle operatively associated with the box for carrying the same.

2,295,222

SPOOL FOR INDUSTRIAL THREAD

Gilbert W. Krentler, Lexington, Ky., assignor to Dean & Sherk Company, Inc., Lawrenceburg, Ky., a corporation of Michigan

Application April 24, 1939, Serial No. 269,685
1 Claim. (Cl. 242—124)



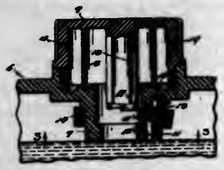
An article of manufacture, comprising a frustro-conical base member, a tubular threaded extension formed on the upper end of the base member for receiving a deformable core member, the lower edge of said frustro-conical member being slightly curved inwardly to provide an angular marginal edge portion, a disk secured to said marginal edge portion within the confines of the lower edge thereof, said disk having its marginal edge bent downwardly and upwardly around the marginal edge of the frustro-conical base member, an annular reenforcing rib formed on the base member and extending around an aperture formed centrally of said disk whereby distortion of the base member will be minimized during the threading of the deformable core member into and out of said base member, said central opening having its marginal edge bent upwardly and outwardly in a direction parallel to the plane of the disk member.

2,295,223

NONFLOOD COVER FOR STORAGE BATTERY CELLS

Raymond G. Le Clercq, Los Angeles, Calif., assignor to Pacific Hard Rubber Company, Los Angeles, Calif., a corporation of California

Application August 26, 1939, Serial No. 292,123
5 Claims. (Cl. 136—178)



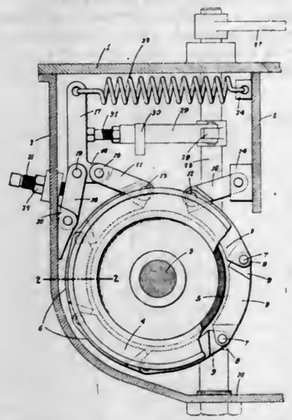
5. In combination with a non-flood cover for storage battery cells, the cover being characterized in that the same is formed with a depending filling tube adapted to define the normal electrolyte level of a battery cell with which the same is used, said tube having an opening in the wall for passage of electrolyte gases and being formed at the admission end of said opening with an external valve seat planed to a tangent of a circle concentric with the axis of the tube; a rocker-type valve seating against said valve seat and operating about a marginal edge as a fulcrum into and from closure relation to the gas opening, said valve having a tongue element providing clearance relative to the margins of the gas opening and projecting through said opening into the interior of the tube; yielding means engaging the valve for influencing the same into its seated position; and a vented closure cap for the filling tube formed with a cam element functional to the tongue arranged to depend into the tube and adapted by application of the cap into its tube-closing position to exert an expansive force upon the tongue operative to express the tongue outwardly and cause the valve to open in opposition to the yielding means.

2,295,224

BRAKE STRUCTURE

Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation

Application November 24, 1941, Serial No. 420,168
3 Claims. (Cl. 188—77)



1. In a brake structure which includes a drum and a brake shoe unit engaging the drum, said unit having free ends spaced apart somewhat, a pair of links pivoted at their inner ends on said free ends of the unit and extending from the drum in the plane of rotation of the latter and in diverging relation to each other, means pivotally anchoring the outer end of one link, a pivotally supported bellcrank disposed adjacent the outer end of the other link and in substantially said plane, means pivoting the outer end of said other link on the outer end of one leg of the bellcrank, a spring connected with the other leg of the bellcrank and normally urging the same in a direction to effect brake-applying motion to said other link and said brake shoe unit, and manually actuated means to swing the bellcrank in the opposite direction.

2,295,225

MACHINE GUN AND TARGET TOY

Raymond J. Lohr and Richard Nelson Carver, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York

Application December 27, 1939, Serial No. 311,224
6 Claims. (Cl. 273—101)



2. A machine gun and target toy comprising an open target, a gun having a bottom feed, an arm extending from said gun to said target and secured rigidly to the target, said arm sloping downwardly from the target to a lower portion of the gun and containing a concealed trough-like magazine for returning shot from the target to the gun through the bottom feed, said gun being pivotally mounted on said arm for universal movement, means to limit the angular movement of the gun both in elevation and in traverse to an amount which confines the projectiles discharged therefrom to the target area, said target comprising a background wall, and top, bottom and side walls surrounding said background wall, said background wall being disposed at an angle which deflects the projectiles hitting said wall downwardly onto said bottom wall, and said bottom wall sloping downwardly to a discharge point leading into the aforesaid return trough-like magazine, whereby all shot fired from the gun is continuously returned to the gun.

2,295,226

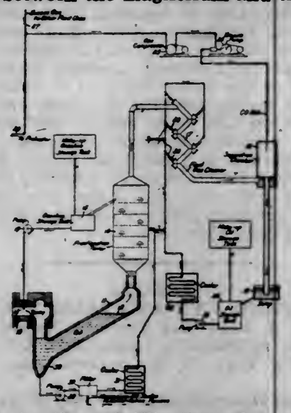
CONDENSATION OF METALLIC VAPORS

Carleton C. Long, Beaver, Pa., assignor to St. Joseph Lead Company, New York, N. Y., a corporation of New York

Application April 29, 1940, Serial No. 332,359
7 Claims. (Cl. 75—67)

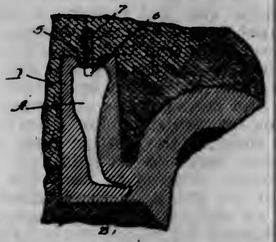
1. A method of condensing magnesium from a mixture containing magnesium vapor and carbon monoxide which comprises passing the mixture into a body of hydrocarbon material inert to magnesium at the temperature of condensation and liquid through a range of temperature from substantially below the melting point of magnesium to substantially above the melting point of magnesium, said hydrocarbon material including at least a portion of material which is volatile under the conditions of condensation, and maintaining the hydrocarbon material at

a temperature at which there is no substantial reaction between the magnesium and the carbon



monoxide by the volatilization of a portion of the hydrocarbon material from said body.

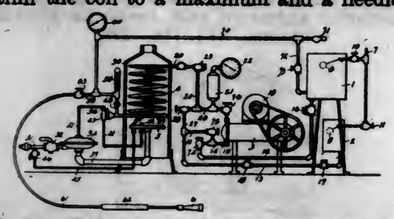
2,295,227
MEANS FOR CASTING METALS
Frank J. Mackett, Jr., Berwyn, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application October 21, 1940, Serial No. 362,023
3 Claims. (Cl. 22—134)



3. A metal casting mold of porous material comprising a blind riser cavity and a casting cavity, a wall of said blind riser cavity having an integral inwardly extending raised portion adapted to communicate with the interior liquid portion of the metal in said riser when cooling, an insert embedded in said raised portion of said riser cavity wall disintegrable with the evolution of gas at the temperature of molten metal, whereby upon such disintegration of the said insert a hollow chamber is formed in the said riser cavity wall which is in direct communication with the said liquid portion of the metal in said riser, the said chamber providing for improved passage of atmospheric air through the porous walls of the mold, the latter being effective in supplementing said evolution of gas in minimizing any tendency to form a vacuum in said riser due to the normal shrinkage of metal from the riser cavity into the casting cavity.

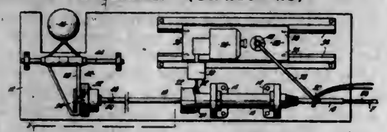
2,295,228
CLEANING MACHINE
Job F. Maisbary and Walter W. Taylor, Oakland, Calif.
Application January 4, 1939, Serial No. 249,184
5 Claims. (Cl. 299—87)

3. In a cleaning machine, a conduit including a compression chamber, a pump for pumping a liquid thereinto under high pressure, a coil connected to the conduit, a needle valve between the pump and the coil, a restricted outlet orifice for the coil, the needle valve including a coil intake orifice bearing relation to the outlet orifice and to the pump capacity to confine the pressure within the coil to a maximum and a needle for



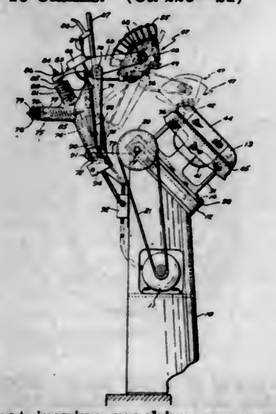
reducing the coil pressure to a desired degree below said maximum pressure, a by-pass for the pump and a valve for the latter operable to coact with the compression chamber in maintaining a pump pressure active on the coil intake orifice essentially in excess of the maximum coil pressure.

2,295,229
APPARATUS FOR CONTOURING THE ENDS OF TUBULAR STOCK
John S. McGuire, Kansas City, Kans.
Application December 23, 1940, Serial No. 371,367
3 Claims. (Cl. 266—23)



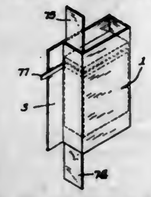
1. In a machine for contouring the ends of tubes, a cutting torch; a template having both transverse and longitudinal components; means for supporting the tube in juxtaposition to the torch; apparatus for rotating the tube in its support, controlled by the transverse components of the template; and means controlled by the longitudinal components of the template for reciprocating the torch as the tube is rotated.

2,295,230
HAT IRONING MACHINE
Stephen J. Miller, Danbury, Conn.
Application February 5, 1940, Serial No. 317,251
16 Claims. (Cl. 223—21)



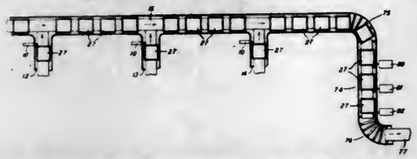
1. In a hat ironing machine, an annular hat supporting block, means for supporting the block inclined to the horizontal, an ironing head comprising a plurality of individually yieldable ironing elements to simultaneously iron the surface of a hat brim supported on said block, a pivoted support for supporting said head above and to the rear of the block, means for swinging the head forwardly and downwardly to press said elements against the hat brim, means for heating the elements, and means for rotating the block while said elements are pressed thereagainst to iron the brim.

2,295,231
PACKAGE AND METHOD OF WRAPPING
Michael J. Milmoe, Glen Ellyn, and Edmond A. Siebert, Chicago, Ill., assignors to F. B. Redington Co, Chicago, Ill., a corporation of Illinois
Application April 4, 1938, Serial No. 199,790
5 Claims. (Cl. 229—51)



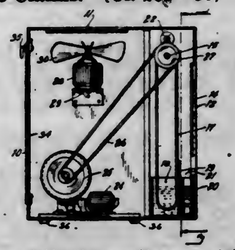
1. A package comprising a sheet of wrapping material arranged about an article forming a wrapper, said wrapper having opposed free edges sealed together forming a tubular body receiving the article and enclosing all four sides of the article, the tubular body extending a predetermined distance beyond each end of the article, a strip of material adhesively secured to one of the edges of the wrapper, said strip being provided with end pieces extending beyond the ends of the tubular wrapper body, and adhesive material on said end pieces whereby as said end pieces are folded onto the ends of the article and the tubular end of the wrapper folded onto said end pieces, a moisture proof package end closure will be formed.

2,295,232
CONTROL APPARATUS
Donald H. Mitchell, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 22, 1939, Serial No. 305,614
11 Claims. (Cl. 198—79)



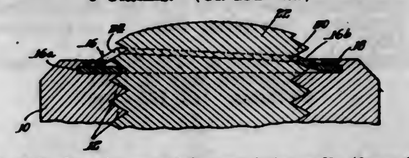
1. An apparatus for controlling the movement of articles from a plurality of moving branch conveyors onto a moving main conveyor comprising a control unit for each branch conveyor, an element in each unit movable into and out of the path of the articles on its respective branch conveyor to hold the articles thereon against movement, and a timing unit operable to render the elements ineffective at predetermined intervals of time to free a definite number of articles for movement from each of the branch conveyors to the main conveyor.

2,295,233
AIR CONDITIONER
Evert Mosher, Lamar, Colo., assignor of one-half to C. W. Switzer, Eads, Colo.
Application November 28, 1941, Serial No. 420,752
3 Claims. (Cl. 261—30)



1. An air conditioning unit comprising: a cabinet having an air discharge opening, one face of said cabinet being open; a humidifier casing secured over the open face of said cabinet; an intake opening in said casing; a water reservoir extending across said casing below said opening; a belt roller extending across said casing below said opening; an endless absorbent belt suspended from said roller and depending into said reservoir; motor means for rotating said belt roller; and a pressure roller acting to press said belt against said belt roller.

2,295,234
LOCK NUT
Ouglјesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application February 20, 1941, Serial No. 379,739
6 Claims. (Cl. 151—22)



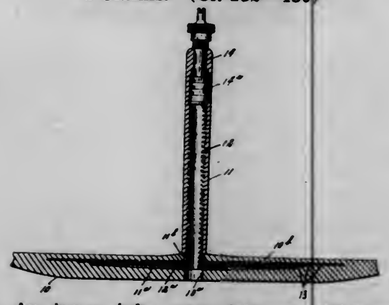
6. A lock nut comprising an internally threaded nut element having a concentric disc receiving section oppositely disposed from the clamping surface thereof, a locking member comprising an annular section of firmly resilient metallic sheet stock associated with said receiving section, and means forming a part of the nut structure marginally overlying and gripping the outer margin of said locking member so as to secure said locking member and nut element together as a rotatable unit and oppose relative rotation and radial movement of said member relative to said nut, said locking member being of uniform thickness, said thickness being such as to enable circumferential association of the inner margin thereof with the root portion of a complementary threaded member and having a diameter approximating the root diameter of said complementary screw thread, said inner margin being severed to permit axial separation of the stock in the vicinity of said severance in the direction of movement of the threaded member through the nut element and the consequent helical disposition of the remainder of said stock in conformity with the helix of said complementary screw thread, the dimensional relation between the radial width of the outer marginal portion of the locking member overlapped by the nut structure and the radial width of the portion extending inwardly from said overlapped portion being

such as to permit helical disposition of the inner margin of the locking member in conformity with the helix of a complementary screw thread without helically stressing the stock of said locking member beyond its yield point.

2,295,235
PROCESS FOR PRODUCING ROSIN
Jesse O. Reed, Washington, D. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office
No Drawing. Application June 2, 1941, Serial No. 396,351
3 Claims. (Cl. 260—108)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for producing rosin, which comprises subjecting crude oleoresin to the action of heat, the while adding water, thereby distilling off and recovering turpentine present in the crude oleoresin until substantially 90% of the distillate is water and 10% is turpentine; thence subjecting the distilled oleoresin to the action of heat, the while removing water and adding fresh, water-free turpentine until substantially all of the water present in the distilled oleoresin is withdrawn, thereby forming a molten, water-free oleoresin; thence subjecting the molten, water-free oleoresin to pressure formed by turpentine vapors, thereby forcing the oleoresin through filter media; thence redistilling the filtered oleoresin until the turpentine is removed; and, thence collecting the rosin.

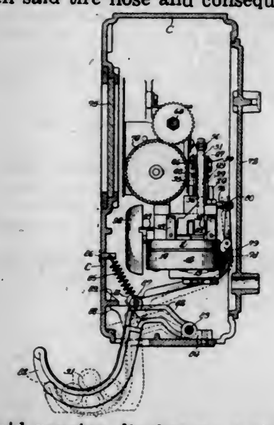
2,295,236
VALVE STEM
Isaac W. Robertson, La Grange, Ill., assignor, by mesne assignments, to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 3, 1929, Serial No. 396,971
Renewed May 17, 1939
4 Claims. (Cl. 152—430)



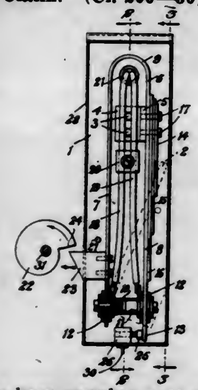
1. An inner tube comprising a rubber valve stem having a base flange disposed between the inner and outer layers which form the tube wall.

2,295,237
TIRE INFLATER
John J. Rothwell, Elkhart, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application November 4, 1940, Serial No. 364,274
6 Claims. (Cl. 221—73.5)

1. In a tire inflater, cycling and gauging diaphragms, chambers therefor, a tire hose connected with said gauging diaphragm chamber, cycling and air admission valves between a source of air supply and said cycling and gauging diaphragms respectively, mechanism for operatively connecting said diaphragms to said valves, said mechanism including a pair of V over roller devices, one of said devices being operable from one position to another by reduction of the air pressure in said tire hose and consequent movement of said gauging diaphragm, a stop pin for said one of said devices before it changes from said one position to said another position, and a supporting hook for said tire hose operatively connected with said stop pin to move it to stop position upon supporting said tire hose on said hook.

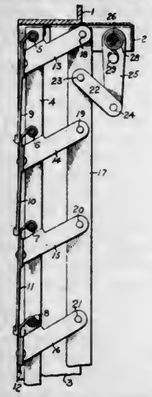


2,295,238
SWITCH
Tamis C. Schenk, Brooklyn, N. Y., assignor to Richmond Screw Anchor Co., Inc., Brooklyn, N. Y., a corporation of New York
Application September 26, 1941, Serial No. 412,418
1 Claim. (Cl. 200—30)



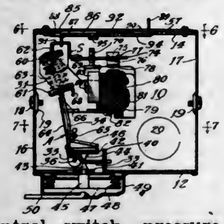
In a switch, a base member, a U-shaped spring located above said base member, said spring consisting of a pair of spaced parallel legs integrally connected by a loop portion, a support secured to the base and having a projecting part disposed between the legs of the spring, said projecting part being secured to one of the legs, the leg to which said projecting part is secured being reinforced and stiffened by additional leaves secured to overlie said leg by the means attaching the same to the support, the reinforced leg having at least one leaf extending beyond the end of the other leg, an adjustable stop member secured upon the support and positioned to receive the impact of the extending portion of the reinforced leg and thereby limit the movement of the reinforced leg in one direction, each of the legs being provided with a contact, said contacts being normally located in separated relationship, and means operative upon the short leg to cause the contact carried thereby to be moved into abutment with the contact carried by the other leg and then both legs to be flexed.

2,295,239
EXHAUST FAN DAMPER OPERATING AUXILIARY
Robert J. Seator, Battle Creek, Mich., assignor to United States Register Co., Battle Creek, Mich.
Application January 20, 1942, Serial No. 427,515
4 Claims. (Cl. 98—116)



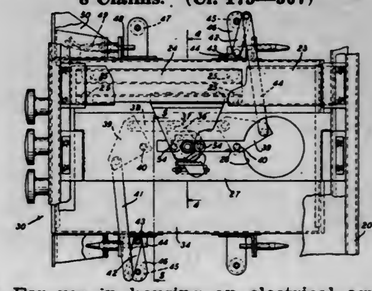
1. In damper and vane operating mechanism, a frame, a vane pivotally supported by the frame, the vane having attached thereto an arm extending into the frame, the end of said arm in the frame having pivotally connected therewith a reciprocating operating bar, a crank arm in the frame having one end movably and pivotally connected with said operating bar, a spring shaft rotatively carried by the frame, said crank arm being loosely borne by the said shaft, a spring encircling the shaft and having one end connected with the shaft and one end connected with said crank arm, and means for adjustably securing the shaft in rotated positions whereby the tension of the spring applied to the shaft and crank arm may be controlled.

2,295,240
CONTROL SWITCH
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application May 13, 1940, Serial No. 334,871
8 Claims. (Cl. 200—83)



1. In a control switch, pressure responsive means, an actuating arm movable in response thereto, a pivoted switch arm, switch contacts controlled thereby, an armature carried by said switch arm, a stationary magnet cooperating with said armature to impart snap action to said switch arm, an operative connection between said switch arm and said actuating arm comprising a toggle spring having its ends pivoted to said switch arm and actuating arm with the main pivot of the switch arm located intermediate the pivots of said toggle spring to said arms, said toggle spring thereby effecting slow movement of said switch arm toward closed position until said contacts are closely spaced and said armature and magnet means have approached a point permitting said magnet to attract said armature and thereby finish the contact closing operation with snap action and said toggle spring, in response to reverse action of said pressure responsive means, effecting build-up of tension therein to a point where, when the toggle spring passes dead center, it will overcome the pull of the magnet on the armature and effect snap action throughout the complete movement of said switch arm from closed to open position.

2,295,241
HOUSING
Gregory N. Slezskinsky, Dunellen, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 11, 1940, Serial No. 329,082
8 Claims. (Cl. 175—307)

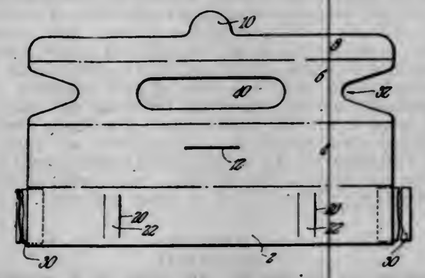


5. For use in housing an electrical arrangement comprising two assemblies of electrical devices interconnectible electrically in two distinct ways, housing means comprising a main housing to house one of the assemblies, a member reciprocable within the main housing from a normal position to an abnormal position, an auxiliary housing to house the other assembly and mounted on the reciprocable member to move therewith and to be rotatable thereon into either of two orientations with respect thereto, frictionally intergripping means on the main housing and on the auxiliary housing to electrically interconnect the assemblies in one way when the member is in normal position and the auxiliary housing is in one orientation and in another way when the member is in normal position and the auxiliary housing is in the other orientation, and means to cam the intergripping means apart to move the reciprocable member from its normal position.

2,295,242
PACKAGE CONSTRUCTION FOR KNITTING NEEDLES
Ernest W. Slingsby, Deep River, Conn., assignor to C. J. Bates & Son, Chester, Conn., a firm composed of Hamilton C. Bates, Wells C. Bates, and Hamilton C. Bates, Jr.
Application March 20, 1941, Serial No. 384,317
2 Claims. (Cl. 206—66)

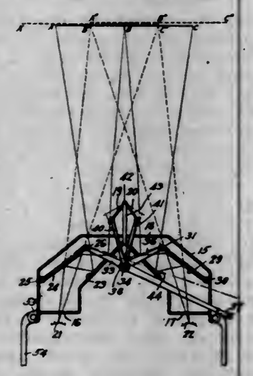
1. A package construction for objects such as

knitting needles and the like comprising in combination, a sheet of material formed to provide main body, back, cover and retaining portion with the back portion hinged at one longitudinal edge to a corresponding edge of the body portion, the cover portion hinged at one longitudinal edge to the other corresponding edge of the back portion and a longitudinal edge of the retaining portion hinged to the other corresponding edge of the cover portion adapted whereby with objects on the front face of the body portion, the



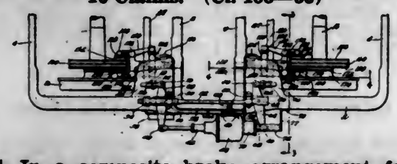
back portion may overlie the rear face thereof and the cover may overlie the front face of the body with the retaining member overlying the back portion, the opposite end portions of the cover portion provided with notches for exposing the ends of objects on the body portion, and flexible transparent retaining members extending from opposite ends of the body portion adapted to underlie the end portion of the cover member and overlie the ends of objects on the main body portion.

2,295,243
STEREO MOTION PICTURE VIEWER
David B. Steinman, New York, N. Y.
Application December 12, 1940, Serial No. 369,770
18 Claims. (Cl. 88—16.6)



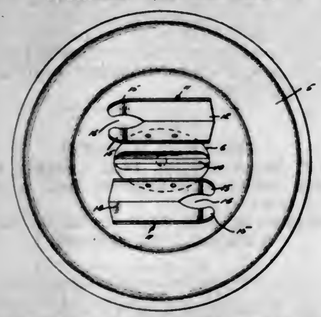
1. A viewing device for fusing twin stereo pictures comprising a plurality of reflectors, means for varying the relative angular and distance relationship of said reflectors, interceptors coupled with the reflectors and arranged in the path of the light from said pictures to the eyes of the user to bring the twin stereo pictures into optical superposition for stereopsis and to limit the field of view to the optically superimposed stereo images and means for simultaneously adjusting the reflectors and interceptors in a single operation.

2,295,244
RAILWAY BRAKE
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 21, 1941, Serial No. 407,719
16 Claims. (Cl. 188—33)



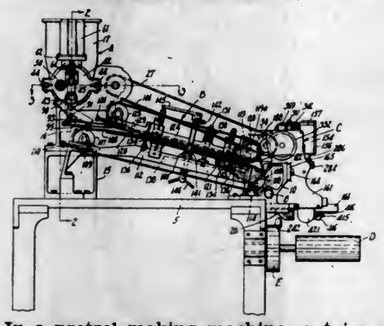
1. In a composite brake arrangement for a railway car truck, a frame, spaced supporting wheel and axle assemblies, wheel brakes comprising a metal brake shoe supported for engagement with the periphery of each wheel, disc brakes comprising a brake disc supported on each axle adjacent each wheel thereof with composition lined shoes for engagement with opposite faces thereof, brake rigging associated with said disc brakes and with said wheel brakes respectively, power means at opposite sides of said frame for simultaneous actuation of the brakes at respective sides of the truck, each of said power means comprising an air cylinder, a hydraulic master cylinder associated with said air cylinder, a hydraulic power cylinder associated with each of said discs, the wheel brakes at each side of the truck comprising hanger levers supporting the shoes associated with respective wheels and live and dead cylinder levers connected at corresponding ends to said hanger levers, connected intermediate their ends to each other, and connected at their outer ends respectively to the piston of said air cylinder and the piston of said master cylinder, and fluid connections between said master cylinder and said hydraulic power cylinders affording simultaneous actuation of said power cylinders with actuation of said master cylinder.

2,295,245
ASH TRAY
James C. Tuttle, South Glens Falls, N. Y.
Application April 29, 1941, Serial No. 390,976
3 Claims. (Cl. 131—235)



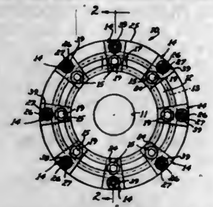
1. An ash tray for cigarettes, cigars, and pipes comprising a receptacle having a post rising from the bottom thereof, and troughs mounted on the post and disposed at an incline, said troughs being of a length materially less than the overall diameter or width of the tray, and each of said troughs at the lower end thereof being provided with a pair of integral coextensive fingers laterally spaced and curving upwardly to provide a pocket for accommodating the bowl of a smoking pipe, said fingers having inner edges converging inwardly of the trough and forming a wedge-shaped opening, to provide an ash remover.

2,295,246
PRETZEL MAKING MACHINE
Millard F. Weida, Canton, Ohio, assignor to The Curthalt Company, Canton, Ohio, a corporation of Ohio
Application May 1, 1940, Serial No. 332,796
26 Claims. (Cl. 107—8)



1. In a pretzel making machine, a tying unit and means for delivering a stick to the tying unit comprising a rotating transfer wheel having a groove to receive and hold the stick, said groove being arched at its central portion.

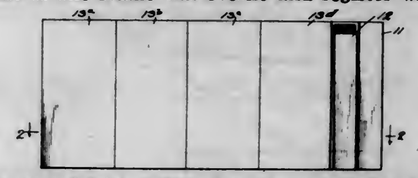
2,295,247
COMPENSATING INDEX
Walter G. Wessman, Bridgeport, Conn.
Application December 3, 1940, Serial No. 368,369
10 Claims. (Cl. 51—216)



6. A compensating indexing wheel comprising a central mounting portion, an annular shoulder concentric with the axial center of said mounting portion, index locking pin engaging dogs on a face of said body and individually adjustable thereon, each of said dogs including an arcuate inner end concentric with and bearing on said shoulder whereby the dogs are concentrically located relative to the axial center of said mounting portion of the body, means for securing the dogs to the body in adjusted positions of the dogs, and each of said dogs having an index locking pin receiving recess therein.

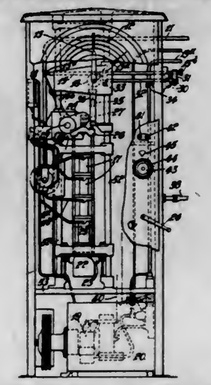
2,295,248
PREFABRICATED PLYWOOD PANEL UNIT
Loren H. Wittner, Odenton, Md.
Application September 6, 1941, Serial No. 409,773
1 Claim. (Cl. 20—91)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a construction panel, in combination, a multiple box-girder plywood panel consisting of a center plywood sheet and two surface plywood sheets, each of said surface sheets being spaced apart from the center sheet by one of a pair of frame members, each of said pair of frame members consisting of a multiplicity of rectangular joists spaced from each other at regular intervals; each of said pair of frame members being adhesively united to and in contacting relationship with the center plywood sheet and one of the surface plywood sheets; the structure being characterized by the edge construction wherein the pair of frame members are offset from each other a distance equal to the spacing between the individual joists of the frame, so that the edge joist of one frame will overlie and register with



the second joist of the other frame, and the plywood sheets are located in offset position with respect to said frame members and to each other so that one of the surface sheets has its edge positioned at the center of the edge joist of one of the frame members, the center plywood sheet has its edge positioned at the center of the edge joist of the other frame member, and the other surface plywood sheet extends beyond the edge of the center of the edge joist of the frame a distance equal to the spacing between the joists, to provide a staggered offset panel edge adapted to fit and be adhesively united with an identical inverted panel edge, to form a panel juncture.

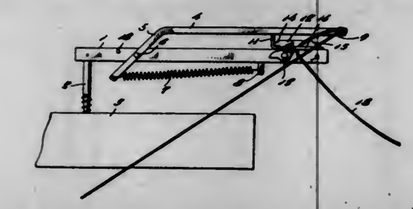
2,295,249
HYDRAULIC TESTING MACHINE
Harry Yates, Birmingham, England, assignor to W. & T. Avery Limited, Birmingham, England
Application May 1, 1941, Serial No. 391,315
In Great Britain March 1, 1940
6 Claims. (Cl. 265—14)



1. A hydraulic testing machine comprising, in combination, a hydraulic straining unit, a plurality of ram cylinders hermetically separated from one another, each having a ram of different projected area, and each being connected to a separate passage for hydraulic fluid, means for diverting hydraulic pressure from said hydraulic straining unit selectively to the passages leading to the various ram cylinders to provide different measuring capacities, a load resistant operatively connected to said ram cylinders for measuring the hydraulic pressure so applied, and indicating

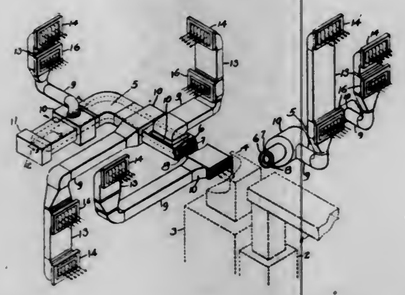
mechanism, comprising a traversable indicator connected to said load resistant, having an indicating range of different capacity for each of said ram cylinders.

2,295,250
AUTOMATIC LINE PULLER FOR FISHLINES
Joseph Zenewich, Chicago, Ill.
Application May 16, 1941, Serial No. 393,822
2 Claims. (Cl. 43—15)



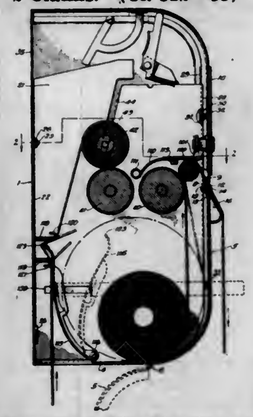
1. A line pulling device for a fishing line comprising a support, means to attach the support to a relatively fixed base, settable spring tensioned means on said support movable in one direction into set position for return movement in the opposite direction under the tension exerted thereagainst, means to attach a fishing line to said settable means to be pulled in one direction by return movement of the settable means, releasable means to establish the set position of said settable means adapted for connection of said line thereto and operative to release by a pull exerted on said line in a direction opposite to that first mentioned, said releasable means when released freeing said line from connection thereto for direct pull thereon by said settable means.

2,295,251
ISOSTATIC FLUID DISTRIBUTION SYSTEM
Thomas A. Baker, Logansport, Ind.
Application June 15, 1940, Serial No. 340,851
2 Claims. (Cl. 98—33)



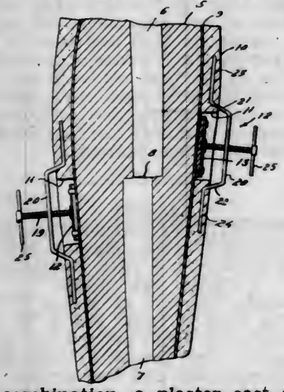
1. A fluid distribution system consisting basically of two conductors one mounted within the other with a radial space therebetween, the inlet ends of which are connected to a common source of fluid supply, the opposite ends thereof being connected together to permit free interchange of fluid between the two conductors; the outer of said conductors forming a distributing chamber from which the flow of fluid is led through branch conductors connected thereto; the inner conductor being of a continuous construction and serving as a pressure equalizing conductor.

2,295,252
TOWEL DISPENSING CABINET
Rudolph G. Birr, Lombard, and Albert C. Grunwald, River Forest, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Original application August 17, 1938, Serial No. 225,398. Divided and this application November 27, 1939, Serial No. 306,234
2 Claims. (Cl. 312—38)



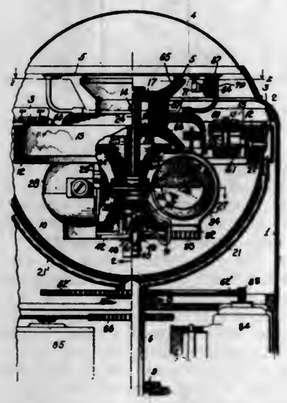
1. In a dispensing cabinet having an outer casing and an inner unit upon which a dispensing mechanism is mounted, said unit including two side plates, each plate having a flange thereon at the rear and each flange having an opening, screws carried by the back wall of the casing, each passing through one opening, nuts for the screws clamping the flanges against the back, said casing having sockets and each flange having a lower terminal portion fitting a corresponding socket to limit the unit at a position to facilitate registration of the screws with the flange openings, said casing having at the front in-turned flanges, and each plate having a front out-turned flange lapping a corresponding in-turned flange of the casing, said lapped flanges having openings in registration and screws in the openings securing the flanges together.

2,295,253
FRACTURE ALIGNER
Maxwell H. Bloomberg, Pittsburgh, Pa.
Application October 26, 1940, Serial No. 363,048
4 Claims. (Cl. 128—84)



1. In combination, a plaster cast encasing a limb containing bone parts to be aligned, said cast having a window formed therein at the side of a break or fracture, a bone aligner comprising a support bridging said window and secured to the cast, a screw threaded in said support, and a pressure plate carried by the inner end of said screw within said window, said screw being arranged to be operated to force said pressure plate against the limb exposed by said window to deflect the corresponding bone part.

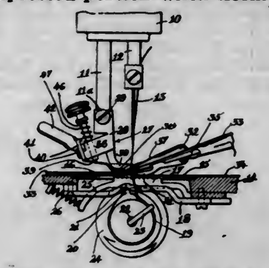
2,295,254
AIR BORNE GYROCOMPASS
Frederick D. Braddon, Babylon, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application June 21, 1939, Serial No. 280,243
11 Claims. (Cl. 33—226)



1. In an air borne gyro-compass, a pair of upwardly and downwardly facing cups positioned adjacent each other and having vertically aligned central apertures, a vertical stem extending through said apertures, inwardly facing buttons secured to said stem, each fitting its respective cup, means for causing air flow between said cups and buttons giving freedom about a vertical axis, a pair of adjacent E-W facing cups secured to said stem and having E-W apertures, a second stem extending therethrough, inwardly facing buttons secured to said second stem, each fitting a respective one of said pair of E-W cups, means for causing air flow between said E-W cups and buttons giving freedom about an E-W axis, and a rotor supported by each of the last named buttons for spinning about spaced N-S axes.

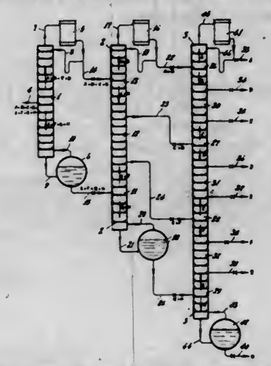
2,295,255
GATHERING ATTACHMENT FOR SEWING MACHINES
Gerhard Braf, Glendale, N. Y.
Application April 15, 1939, Serial No. 268,097
2 Claims. (Cl. 112—134)

1. In an attachment for sewing machines having a needle and feeding means, a presser foot engaging said feeding means ahead of said needle, a spring member secured at the front end of the presser foot and having an intermediate depressed portion normally out of engagement with the feeding means and being behind said needle, lever operated cam means engageable with the rear end of said spring member to lower the intermediate depressed portion into engagement with said feeding means for plain stitching, the intermediate depressed portion when normally out of



engagement with the feeding means effecting a gathering along the line of stitching.

2,295,256
PROCESS AND DEVICE FOR FRACTIONAL DISTILLATION OF LIQUID MIXTURES, MORE PARTICULARLY PETROLEUM
Antoine Johan Brugma, The Hague, Netherlands
Continuation of application Serial No. 113,596, December 1, 1936. This application August 23, 1940, Serial No. 353,788. In the Netherlands January 30, 1936
6 Claims. (Cl. 196—73)

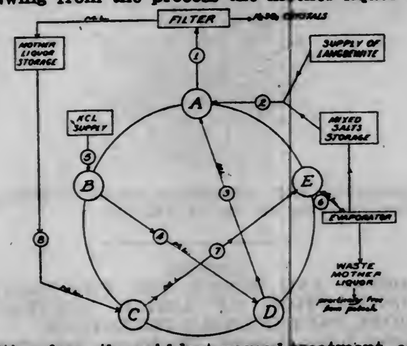


1. The method of fractionally distilling fluid mixtures in at least three stages, each stage comprising a fractionating zone in which a stream of vapors is contacted in counter-current with the stream of liquid condensed therefrom while after the first stage, apart from other fractions, at least twice, two side stream fractions are withdrawn from a fractionating zone at spaced levels intermediate two successive points at which fractions from the preceding stage are introduced.

2,295,257
PROCESS OF PRODUCING POTASSIUM SULPHATE
Charles A. Butt, Atlanta, Ga., and Jacob Frank, Carlsbad, N. Mex., assignors to International Agricultural Corporation, New York, N. Y., a corporation of New York
Application December 15, 1938, Serial No. 245,892
5 Claims. (Cl. 23—121)

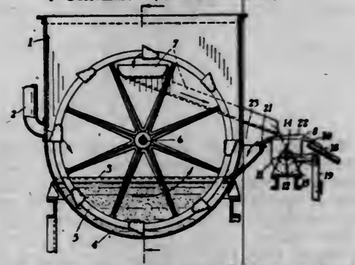
1. The process of producing potassium sulphate, which comprises treating langbeinite that has been largely exhausted with a solution of potassium chloride, to produce potassium sulphate in solid form and a mother liquor containing magnesium chloride, separating potassium sulphate thus formed from the mother liquor, treat-

ing with said resulting mother liquor langbeinite that has been less exhausted thus producing more of said largely exhausted langbeinite and a different mother liquor, treating fresh langbeinite with said last named mother liquor to produce more of said less exhausted langbeinite, withdrawing from the process the mother liquor re-



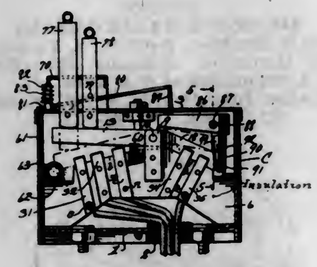
sulting from the said last named treatment, concentrating and cooling said withdrawn mother liquor to crystallize potash salts therein, separating said potash salts and returning the same to the process with fresh langbeinite, and discarding the mother liquor resulting from said concentrating and cooling step.

2,295,258
APPARATUS FOR AGITATING AND DISTRIBUTING LIQUIDS
John Arthur Cann, Bickley, England, assignor to Turner & Newall Limited, Spotland, Rochdale, England, a British company
Application May 23, 1941, Serial No. 394,906
In Great Britain May 27, 1940
7 Claims. (Cl. 259—168)



1. In an apparatus for distributing a liquid, in combination, a liquid agitating container with imperforate side walls and bottom receiving the liquid and retaining it for agitation, a liquid distributing container comprising an elongated trough-like receptacle having side and bottom surfaces formed to hold the mass of the agitated liquid and to receive the inflow of said agitated liquid at a part of said mass and discharge the outflow thereof from another part of the mass at a side of said distributing container, means for supplying liquid in a narrow stream to said agitating container, means for delivering said liquid from said agitating container in a plurality of separate streams to elevated points above said distributing container, means permitting said streams to flow by gravity separately from said elevated points to said distributing container, weir means at the delivery side of said distributing container for discharging said liquid in a uniformly spread stream therefrom, a conduit for returning by gravity to said agitating container excess of said liquid delivered by said delivery means.

2,295,259
ELECTRIC SWITCH MECHANISM
Newton W. Coffey, El Paso, Tex.
Application September 2, 1939, Serial No. 293,299
4 Claims. (Cl. 200—5)



1. An electric switch mechanism comprising a normally closed casing including top, bottom and side walls, a support mounted within the lower portion of the casing, said support being of a material non-conductive of electricity, the upper margin of the support having its end portions oppositely inclined, a switch blade pivotally supported by and above the support, a tail piece extending from the pivoted end portion of the blade and inclined with respect thereto, contacts carried by the opposite end portions of the support, contact of the tail piece with the adjacent inclined portion of the support limiting the movement of the blade away from one of the contacts with which the blade coacts, the tail piece when in engagement with the support being in connection with the contact member at the adjacent end portion of the support, an expansible member interposed between the support and the blade for normally maintaining the blade free of its contact or in open position, and a plunger above the blade and slidably disposed through the top wall of the casing, downward movement of the plunger forcing the blade into engagement with this contact and releasing the tail piece from its contact.

2,295,260
PACKAGING MUSICAL INSTRUMENT STRINGS
Stanley Kaplan, Norwalk, Conn., assignor to Kaplan Musical String Co., Norwalk, Conn., composed of the following members, Ladislav Kaplan, Otto Kaplan, and Stanley Kaplan
Application April 27, 1940, Serial No. 331,902
4 Claims. (Cl. 206—46)

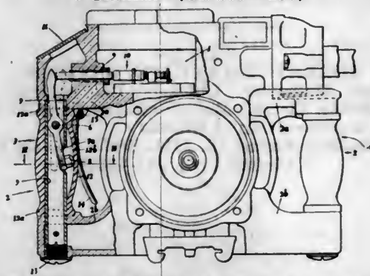
1. A musical instrument string packaging unit, comprising a packaging tube having an open and a closed end; a musical instrument string having a main portion substantially entirely confined in said tube between said open and closed ends, having a shouldered portion and an end projecting outwardly from said open end of the tube, said tube and said string being of such comparative cross-sectional shape and size that there is a relatively snug fit between the latter and the walls of the tube; and cementing material substantially covering said shouldered portion and clear of said main portion, sealing said open end

and releasably securing said string relative to said tube, whereby the seal may be broken and



the string removed from the tube by the single operation of pulling said projecting end.

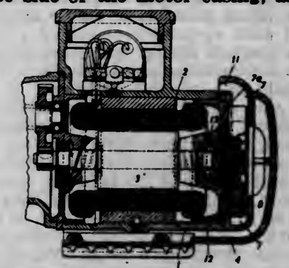
2,295,261
DUSTPROOF SWITCH
Harold Thomas Lamb, Newcastle-on-Tyne, England
Application August 5, 1940, Serial No. 351,476
In Great Britain August 8, 1939
6 Claims. (Cl. 200—157)



1. Switch operating gear for use on electric machinery, comprising a casing for housing the switch gear to be operated, a removable switch tube, one end of said switch tube opening into said casing, said switch tube having a lateral opening, a switch lever mounted in said switch tube, one arm of said lever projecting into said casing so as to be adapted to operate the switch gear, and the other lever arm projecting through said lateral opening in said switch tube, and a flexible gas tight sleeve fitting at its ends in a gas tight manner about said switch tube, but between its ends having a portion of its inner wall spaced from said switch tube to accommodate the projecting arm of said switch lever.

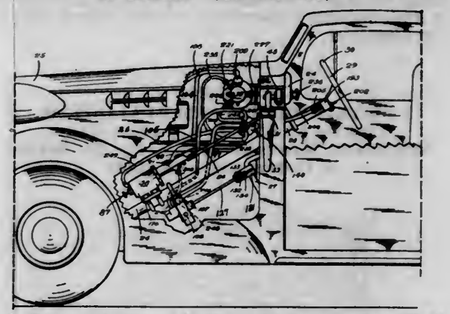
2,295,262
PORTABLE ELECTRIC DRILL
Harold Thomas Lamb, Newcastle-on-Tyne, England
Application August 5, 1940, Serial No. 351,478
In Great Britain August 8, 1939
4 Claims. (Cl. 172—36)

1. A portable flameproof electric drilling machine or the like comprising a motor casing, a motor housed in said casing in such a manner as to be enclosed from the atmosphere, the motor shaft having a tool operating end, a fan driven by said motor at the rear end of said motor, that is to say the end remote from the tool operating end, a jacket around said motor casing, said jacket comprising a fan housing having a smooth outer rear abutment face, an air intake conduit leading to said fan housing from a point along the side of the motor casing, and an ex-



haust conduit leading from said fan housing and terminating at a point along said motor casing, so that when the motor is set in motion any obstruction to the passage of the air by the operator's body is obviated the air being caused first to flow to the rear of the outer casing, through the fan housing and then towards the front of the motor casing.

2,295,263
SIGNAL DEVICE FOR VEHICLES
Charles Le Bleu, Los Angeles, Calif.
Application October 4, 1940, Serial No. 359,655
19 Claims. (Cl. 116—39)



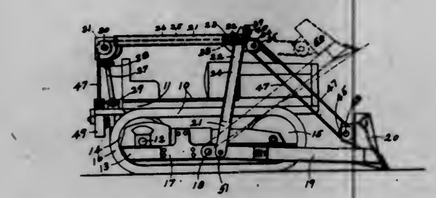
1. In a device of the character described adapted to be mounted on a vehicle having brake mechanism and brake control means therefor, a signal arm operably mounted on said vehicle so as to be selectively disposed in neutral and in stop signal positions, and signal arm operating and control means for said signal arm arranged relative to said brake control means and including operative connection therewith so as to be actuated thereby to cause said signal arm to move from neutral position to stop signal position when said brake control means are operated in a direction applying said brakes, said signal arm operating means being operable when said brake controls are actuated to release said brakes to return said signal arm from stop signal position to neutral position, and means adapted to function automatically in conjunction with said signal arm operating means to retard and control the return movement of said signal arm to neutral position so as to cause said signal arm to come to rest at said neutral position quietly.

4. In a device of the character described adapted to be mounted on a vehicle provided with

a driver's compartment and having brake mechanism and brake control means therefor, a signal arm operably mounted on said vehicle so as to be selectively disposed in neutral position or in stop signal position, or in right or left turn signal position, two signal arm operators applied in common to said arm and operable to move the same to a signal position, a stop signal control for one of said operators arranged relative to said brake control means and having operative connection therewith so as to be actuated thereby to cause said one of said operators to operate and move said signal arm from neutral to stop signal position when said brake control means are actuated, and a turn signal control for said operators arranged relative to said driver compartment and including an actuator operable in one direction to cause one of said operators to operate so as to move said signal arm to left turn signal position, and said actuator being operable in yet another direction to cause both of said signal arm operators to operate so as to move said signal arm to right turn signal position.

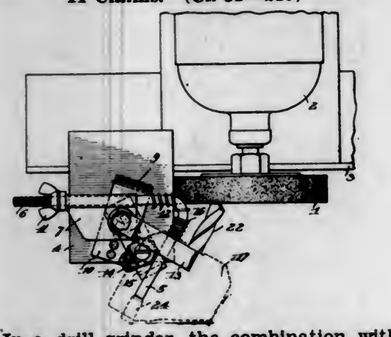
19. In a device of the character described adapted to be mounted on a vehicle, a signal arm support bracket, a rotatable shaft carried by said bracket, a signal arm rig with said shaft, an arm rigid with said shaft and having free ends terminating outwardly therefrom at opposite sides of said shaft, a rod extending across said shaft above the same and overhanging said arm, said rod being slidably supported on said bracket, a link pivotally connected at one end to said rod and at its other end to a free end of said arm, and means for sliding said rod to impart swinging movement to said signal arm, the other free end of said arm being arranged to engage said rod at times so as to limit swinging movement of said signal arm in one direction.

2,295,264
TRAIL BUILDER AND BULLDOZER
Charles Le Bleu, Los Angeles, Calif.
Application March 24, 1941, Serial No. 384,851
9 Claims. (Cl. 37—144)



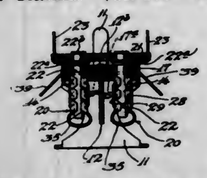
1. A material handling machine comprising, a tractor having a body and wheel supported frame structures extending along opposite sides of said body and journaled behind their front ends thereto for relative swinging movement about a common axis, an implement mounted on the tractor for vertical swinging movement about a horizontal axis, a control support frame extending across the tractor above the same and downwardly at opposite sides thereof, means pivotally supporting said control support frame directly on said implement at points removed from the pivotal connection of said implement with said tractor, other means connected with said tractor and with said control support frame for maintaining the latter in its upright position about its pivotal support on said implement, and contral means between said implement and said control support frame for swinging said implement about said horizontal axis.

2,295,265
DRILL GRINDER
George R. Morris, Rochester, N. Y.
Application April 19, 1941, Serial No. 389,289
11 Claims. (Cl. 51—219)



1. In a drill grinder, the combination with a grinding wheel, of a support, and a drill holder movable on the support about an axis parallel to and offset from the axis of the drill, said drill holder being quickly removable from and reversible on the support and having duplicate support-engaging means on opposite sides of the drill axis, said support-engaging means being selectively and alternately engageable with the support by an endwise sliding movement and the drill holder being manually held on the support against the grinding wheel.

2,295,266
SOCKET FOR PLUG-IN DEVICES
Theodore Obszarny, Chicago, Ill., assignor to Guardian Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application August 18, 1941, Serial No. 407,322
7 Claims. (Cl. 173—332)

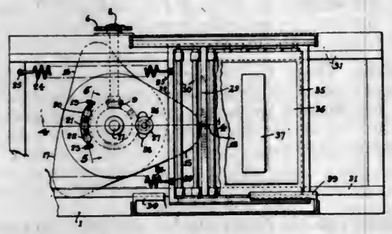


1. As an article of manufacture, a socket for a pin terminal, formed as a stamping from spring metal of generally U-shape formation having the upper ends of the legs thereof formed to seat upon a supporting surface, each of said legs including a body portion and resilient side flange portions bent inwardly at an angle to the body portion so that the marginal edge of each of said flange portions presents a sharp knife edge adapted for biting engagement with the surface of the pin terminal when the latter is inserted in said socket, said side flanges being individually flexible in a lateral direction relatively to the body portions to readily accommodate said pin terminal between said side flanges.

2,295,267
MULTIFORM PRINTING MACHINE
Junior A. B. Peak and Frank Kautzman, Salt Lake City, Utah
Application June 29, 1940, Serial No. 343,298
5 Claims. (Cl. 101—277)

1. In a multiform printing machine, a rotary impression cylinder, paper finger grips releasably

holding the forward edge of a sheet of paper on the cylinder, cam operated mechanism carried by the cylinder for releasing said paper finger grips from the paper to discharge the paper after making the last of a series of impressions on the sheet, a reciprocably movable type bed table carrying a type bed and type, means tending to operate the type bed table in one direction, a plurality of overlying horizontally



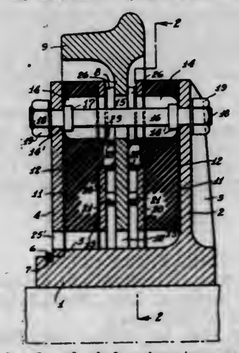
disposed rotatable cams and arranged to operate it in a reverse direction and to delay its return movement to bring it into operative relation to the cylinder at successive portions thereof, and means for laterally adjusting and varying the size of the cam mechanism to modify its operation, whereby successive impressions may be made from the same type upon successive sections of a sheet of paper carried by the cylinder.

2,295,268
COMBINATION LIGHT FIXTURE AND MIRROR
Elmer D. Pellegrin and Harold H. Ring, Rockford, Ill., assignors to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application September 30, 1940, Serial No. 359,022
2 Claims. (Cl. 240—2)



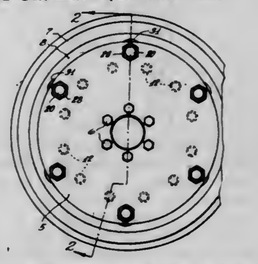
1. An adjustable electric light fixture for use on the back rail of a domestic cooking range over the cooking top thereof, comprising, in combination, supporting means supported on the back rail, a light bulb casing pivoted thereon at an elevation near the eye level of an operator for adjustment relative to the cooking top to be illuminated, a transparent mirror forming a closure for the open front of the casing, a socket in said casing containing an electric light bulb, electrical conductors adapted to be connected with a source of electric current supply for supplying current to said socket to light the bulk, and switch means interposed in the electrical circuit including said conductors and arranged to be opened and closed automatically at predetermined points in the pivotal adjustment of said casing, so that when the casing is swung downwardly to face the cooking top the light is turned on automatically for illumination thereof, and when the casing is swung upwardly to face the front of the range the light is automatically turned off so as not to interfere with use of the mirror.

2,295,269
VENTILATED WHEEL
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, a corporation of New York
Application November 3, 1938, Serial No. 238,545
18 Claims. (Cl. 295—11)



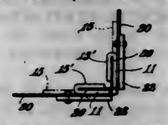
1. In a wheel, a hub having two main relatively movable plates radiating therefrom, a tire carrying plate between said main plates, springs comprising elastic shear elements interposed between said tire carrying plate and each of said main plates, and air passageways between said springs and said tire carrying plate.

2,295,270
RESILIENT WHEEL
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, a corporation of New York
Application May 25, 1940, Serial No. 337,165
14 Claims. (Cl. 295—11)



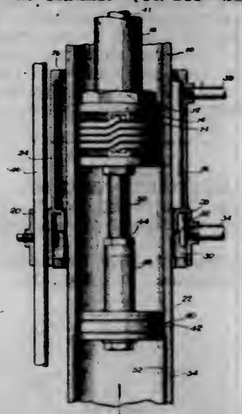
1. A resilient wheel comprising a hub and rim, plates radiating outwardly and inwardly from the hub and rim respectively, the plates being three in number with the innermost plate separated from the two outermost by ring-like elastic springs having inner and outer peripheries, rigid spacing and tying means connecting the outermost plates in zones adjacent peripheral portions of said springs, and stud means rigidly attached to and connecting said plates adjacent the remaining peripheral portions of said springs, said stud means having midportions reduced to a cross section smaller than the ends thereof flexible to the extent that slight bending of the plates to which said stud means is connected with respect to the other thereof may occur without fracture of said stud means.

2,295,271
FABRICATED FENCE
Joseph H. Schuck, Mamaroneck, N. Y., assignor to John O'Brien, Jackson Heights, N. Y.
Application May 7, 1940, Serial No. 333,789
2 Claims. (Cl. 256—24)



1. In a fence, horizontally disposed band members, fence posts having angularly disposed walls, the lower end of said walls tapering to a point for driving said posts into the ground, each fence post having an upper and lower slot at the wall intersections, opposite foldable extensions from the walls of each post opposite said slots and being adapted to clamp at least one of the opposite ends of the band members drawn through said slots and bent against the walls of the fence post.

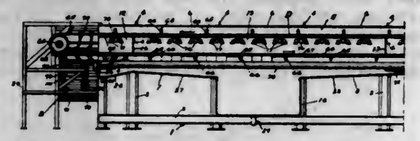
2,295,272
HEAT TREATING
Howard E. Somes, Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan
Application May 17, 1940, Serial No. 335,842
10 Claims. (Cl. 148—21)



5. The method of treating a hollow cylinder of hardenable ferrous metal which comprises heating the cylinder to bring both faces to at least a hardening temperature, quenching one face to harden and strengthen it whereby it is more resistant to cracking or spalling on hardening the opposite face, and then quenching the remaining face to harden it after the first face has been quenched and hardened.

2,295,273
LONGITUDINAL ROLL COOKER
Albert R. Thompson, Los Gatos, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application June 13, 1939, Serial No. 278,853
14 Claims. (Cl. 126—272)

1. In a machine for handling and treating comestibles in containers including a treating chamber, cooperating cylindrical supporting members extending through said chamber and forming valley portions therebetween for supporting the containers, means transversely movable relative to said members for positioning containers adjacent the valley portions thereof, means for transferring the containers to said supporting members and for shifting the same

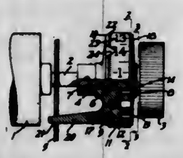


endwise along the valley portions thereof and through said chamber, and means for rotating the supporting members for imparting rotation to the containers during their travel through said treating chamber.

2,295,274
METHOD OF PREPARING HOMOGENEOUS HONEY PECTIN COMPOSITION
Joseph E. Walker, Saginaw, Mich.
No Drawing. Application August 14, 1939, Serial No. 290,130
2 Claims. (Cl. 99—132)

1. The method of preparing a substantially homogeneous self-supporting honey jelly comprising heating an aqueous solution of honey to its boiling point, adding to said solution while it is kept adjacent its boiling point only a sufficient amount of a standard pectin of commerce to jell the so-treated honey and confer self-supporting characteristics on the honey jelly, and a small quantity of edible acid, said reaction mixture consisting predominantly of honey; and further boiling the mixture to a state where it is jelled and is free of any rubbery characteristic.

2,295,275
TYPEWRITER METER DEVICE
Allen W. Widenham, San Francisco, Calif.
Application February 13, 1940, Serial No. 318,694
4 Claims. (Cl. 197—189)

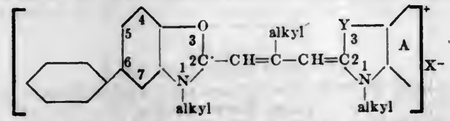


1. In combination with a typewriter having a cylindrical platen secured on a revolvable shaft for moving a sheet of paper past the type when said shaft is revolved on its axis, a hollow cylindrical dial, circular end walls closing the ends of the dial and coaxial therewith and supporting said dial for revolving relative to said end walls on its central axis, gear means disposed between said end walls and within said dial and connecting said shaft and said dial for revolving said dial upon revolution of said shaft and platen, means supporting said end walls on said shaft at one end of said platen coaxial therewith, means securing said end walls stationary at all times relative to said shaft and platen, and friction means supporting said dial for revolving on its central axis relative to said shaft and said gear means upon manually revolving said dial for setting the same when said shaft is stationary, said dial having inscribed thereon a row of indicia extending circumferentially thereof at predetermined spaced intervals arranged and

adapted to visibly indicate the degree of movement of said platen relative to a fiducial point on said dial, and a pointer secured to one of said end walls positioned to indicate a reading point on said dial when the latter is revolved.

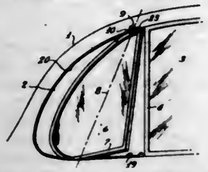
2,295,276
PHOTOGRAPHIC EMULSION
Gustav Wilmanns, Wolfen, Kreis Bitterfeld, and Oskar Riester, Dessau-Ziebigk, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 21, 1939, Serial No. 280,352. In Germany June 23, 1938
3 Claims. (Cl. 95—7)

1. A photographic material comprising a light-sensitive silver-halide emulsion layer containing a purple color forming development component derived from a 5-pyrazolone and a sensitizer consisting of a dyestuff of the following general formula:



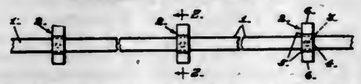
wherein Y is a member of the group consisting of oxygen, sulfur and selenium, X is an anion and A is a member of the class consisting of benzo, alkyl benzo, phenyl benzo, alkoxy benzo and halogen benzo, the substituents on the benzo group being in a position of the class consisting of the 4-, 5- and 6-positions, A always being phenylbenzo with the phenyl group in 6-position when Y is oxygen.

2,295,277
VENTILATOR WINDOW
August E. Wilshusen, Detroit, Mich.
Application April 12, 1939, Serial No. 267,463
1 Claim. (Cl. 296—44)



The combination in a vehicle having a body with a window opening and a window slidable in said opening with its front edge spaced from the front of the opening, a panel pivoted in said opening and complementing said window in forming a composite closure for the window, a bracket on said panel, and a spring pressed plunger on said window adapted when the window is closed to engage said bracket to hold the panel closed.

2,295,278
TIE ELEMENT
Robert Frank Winders, Huntington Park, Calif.
Application April 5, 1940, Serial No. 328,048
1 Claim. (Cl. 5—267)



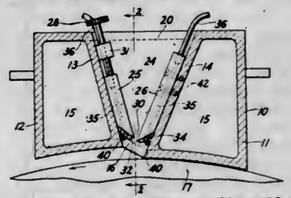
A tie element comprising a continuous flat spring metal strip of substantially rectangular cross-section having negative resiliency and flexibility in a direction parallel to the planes of its flat surfaces and being flexible and resilient in a direction at right angles to said planes, and attaching clips each having a flat portion between its ends fixed to said strip, intermediate bendable portions extending at right angles to and from the ends of said flat portion at edges of said strip and adapted to be bent toward each other, and end portions which extend outwardly from said intermediate portions and are adapted to be brought into face to face contact and welded together when the intermediate portions are bent inwardly for encompassing and affixing in contact with the strip separate elements for forming a unitary structure analogous to a bed spring or inner spring assemblies.

2,295,279
PROTECTING HOOD
Delia C. Andrews, Columbus, Ohio
Application June 12, 1941, Serial No. 397,759
1 Claim. (Cl. 2—174)



A protecting device of the type described comprising a hood-like body portion made of flexible transparent material, said body portion comprising a top main portion which covers the top portion of the head and extends downwardly a substantial distance at the front, back and sides of the head, a lower back flap portion which extends downwardly completely over the back and sides of the neck, a front flap portion tapered downwardly to a point and adapted to extend over the face, fastening means provided at the forward and lower corners of said back flap portion, fastening means provided on said front flap portion at its lowermost point, said fastening means of the front flap portion being so constructed as to cooperate with the fastening means of the back flap portion in order that the front flap portion may be secured in position beneath the chin.

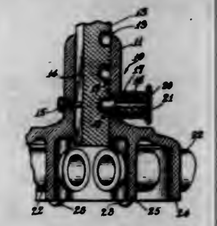
2,295,280
COATING HOPPER
Charles R. Fordyce, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 15, 1940, Serial No. 335,335
3 Claims. (Cl. 18—15)



1. In a coating hopper for coating film support, a pair of thin edged blades disposed to form a V and spaced apart to form an open coating slot

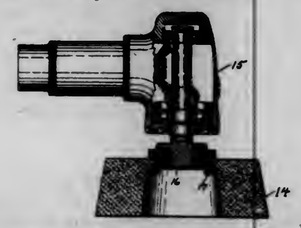
between the blades at the apex of the V through which coating solution may flow, and means mounted on the back side of each blade near the end of each blade and near the apex of the V, for spreading another liquid on the edges of the blades at their end portions during the coating operation.

2,295,281
BASE STRUCTURE
Albert C. Grunwald, River Forest, Ill., assignor to Precision Metal Workers, Chicago, Ill., a corporation of Illinois
Application November 1, 1939, Serial No. 302,271
7 Claims. (Cl. 248—194)



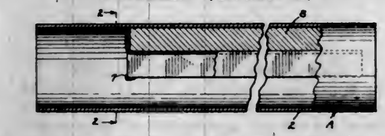
1. In a base for an article of furniture, the combination of a head casting having a vertical bore therein adapted to receive an axially adjustable standard, a plurality of depending generally annular ribs on the lower end of said head substantially concentric with said bore, said ribs having a plurality of sets of registering apertures therein, and tubular legs extending outwardly and downwardly from said head, each of said legs having a portion thereof received in a pair of registering apertures in the respective ribs and snugly fitted therein.

2,295,282
RESILIENT MOUNTING FOR ABRASIVE WHEELS
Arthur William Mall, Flossmoor, Ill.
Application May 31, 1940, Serial No. 337,979
11 Claims. (Cl. 51—168)



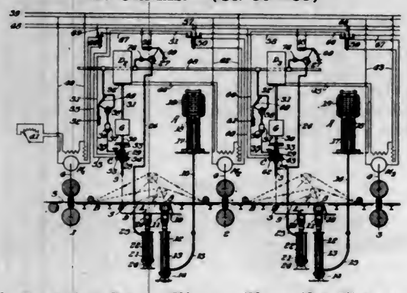
1. A resilient mounting for an abrasive wheel comprising a separable unit adapted to be interposed between a rotative drive shaft and an abrasive wheel to establish a driving connection therebetween, said unit including a pair of non-resilient members having a rubber cushion therebetween and bonded thereto, said members and said rubber cushion having axially extending cylindrical portions and radially extending circular flange portions, said rubber cushion having a wall thickness sufficient to reduce the amount of shock transmitted from the abrasive wheel to the drive shaft, but not of such thickness as to permit a material deflection of the abrasive wheel from its normal axial alignment with the rotative drive shaft.

2,295,283
ROTOR FOR VIBRATING DEVICES
Arthur W. Mall, Flossmoor, Ill.
Application September 17, 1941, Serial No. 411,132
9 Claims. (Cl. 259—1)



1. A rotor for a vibrator comprising a hollow housing, a weight disposed within the housing eccentrically of the axial center thereof, said weight being adapted to be poured into the housing while in a molten state, means for retaining the weight in its position of eccentricity, said means comprising a single sheet metal channel shaped stamping extending longitudinally of the housing, a semi-circular flap formed integrally with and at one end of the stamping and extending transversely of the housing.

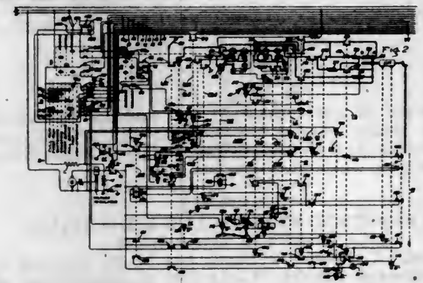
2,295,284
TANDEM ROLLING MILL
Joseph P. McCaffrey, Carnegie, and Sylvester J. Kern, Dormont, Pa.
Application October 13, 1938, Serial No. 234,802
16 Claims. (Cl. 80—35)



1. In a tandem rolling mill or the like, a delivering roll stand and a receiving roll stand immediately following said delivery stand, motors for driving the rolls of said stands, means for controlling the speed of the motor of the receiving stand effective through the load imposed on such motor, a looper device located between the stands, means operable through the presence of material entered in the rolls of both stands for effecting an upward pressure contact of the looper against the material and exerting pressure thereon so long as the material is entered in the rolls of both stands, and positively acting means directly connected with the looper and actuated immediately by the discharge of the end of the material from the delivery roll stand for returning the looper to its lowermost position.

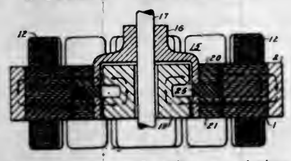
2,295,285
CONTROL SYSTEM
Jacob W. McNairy, Erie, and Harold G. Moore, Wesleyville, Pa., assignors to General Electric Company, a corporation of New York
Application July 24, 1940, Serial No. 347,330
38 Claims. (Cl. 172—179)

1. In a control system for a plurality of connected driving units each of which is provided with a traction motor and motor controlling resistances for connection in circuit with said motors, a motor controlling system for each driving unit comprising a plurality of interconnected movable elements, a main controller associated with each of said control systems, connections between said control systems whereby a single



selected main controller may operate all of said systems simultaneously, and interlocking means selectively connecting any one of said main controllers to said interconnected control systems.

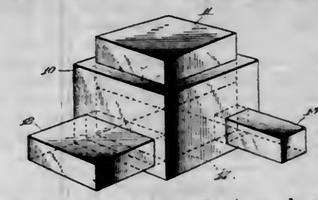
2,295,286
MULTIPOLE SYNCHRONOUS MOTOR
Eberhard Michelsen, Frohnau, Mark, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 1, 1941, Serial No. 391,245
In Germany December 30, 1939
6 Claims. (Cl. 172—120)



1. An electric motor having a stator member with a plurality of salient pole portions, each of said pole portions having teeth on its peripheral surface and the teeth of successive pole portions being relatively displaced circumferentially one-half the width of a tooth, a rotor member having uniformly spaced teeth around its entire circumference, the pitch of said rotor teeth being the same as that of the stator teeth, said rotor member being divided into two axially spaced sections separated by a non-magnetic spacer, said stator member extending axially past both sections of the rotor member, means for producing a substantially constant, unidirectional magnetic field passing radially through the rotor and stator teeth, and means for producing alternating magnetic fields in the stator pole portions, the magnetic fields in adjacent pole portions being substantially 90° out of phase.

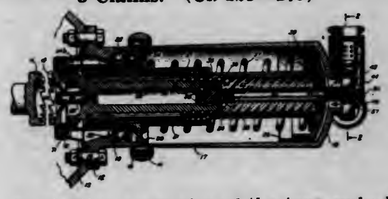
2,295,287
PACKAGE AND PACKAGING
Carl G. Muench, New Orleans, La., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application January 10, 1938, Serial No. 184,228
10 Claims. (Cl. 100—14)

1. The process of forming fibrous bagasse and like substances with 3 to 18% moisture content into hard and dense self-sustaining unit packages comprising charging the substance into a container, compressing the substance in the direction of the axis to the applied compressive force, then while the material is held under such compressive force applying thereto a second compressive force applied at a right angle to axis of the first compressive force and finally while held under the action of the previously applied compressive forces subjected to a further compressive force applied



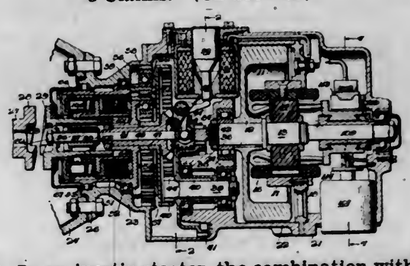
in a direction at a right angle to each of the previously applied compressive forces, each compression force increasing in intensity to effect final compression of the substance to a density in excess of 50 lbs. per cubic foot and upon release of pressure in excess of 30 lbs. per cubic foot.

2,295,288
ENGINE STARTING MECHANISM
Romeo M. Nardone, East Orange, N. J., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 2, 1937, Serial No. 167,054
3 Claims. (Cl. 123—179)



1. In starting apparatus of the type embodying an engine engaging jaw clutch member, automatic means having engagement with said jaw clutch member for facilitating movement of the latter into engagement with a member of the engine to be started, said automatic means including a flexible ring of organic material, and means for exerting an inwardly directed pressure on said ring to reduce the amount of relative rotation between said ring and jaw clutch member.

2,295,289
ENGINE STARTING MECHANISM
Romeo M. Nardone, Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 8, 1941, Serial No. 387,540
3 Claims. (Cl. 290—38)



1. In an inertia starter, the combination with a flywheel and engine-engaging member, of means including a reversible electric motor for ac-

celerating said flywheel, said motor having a field winding and commutator-engaging brushes and means normally holding said brushes in non-engaging position, electromagnetic means for moving said brushes to engaging position, a source of current for the motor, means for sending current through the motor field winding in either direction in response to operation of said electromagnetic means, said last-named means including an angle-piece connecting one field winding terminal with one of said brushes, and means for attaching said angle-piece to the other of said field-winding terminals when rotation of the motor in the opposite direction is desired.

2,295,290
ELECTRIC POWER CABLE

Carl A. Piercy, Ballston Lake, and Maurice Guarnier, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application July 31, 1940, Serial No. 348,844
2 Claims. (Cl. 174—120)



1. A cable comprising conductor means, an enclosing impervious sheath therefor, insulation for the conductor means made of tightly wound paper tapes arranged in layers thereon and an impregnating material for the insulation within the sheath, the paper being characterized by having short fibers of approximately 1.40 mm. length or less to increase their number per unit area and being characterized by a density of the order of .82 and a dielectric strength of the order of 1450, the paper having unglazed surfaces which mechanically retain the impregnating material so as to prevent as fully as possible the formation and migration of films of impregnating material between the layers.

2,295,291
METHOD OF CONTROLLING PARTICLE SIZE IN MANUFACTURE OF CALCIUM CARBONATE PIGMENT

Howard F. Roderick, Grosse Isle, Mich., assignor to Michigan Alkali Company, Wyandotte, Mich., a corporation of Michigan

Application January 30, 1939, Serial No. 253,492
8 Claims. (Cl. 23—66)

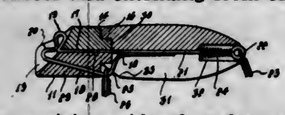
1. In the manufacture of calcium carbonate precipitated from reacting solutions of sodium carbonate and calcium chloride, said solutions being derived from decomposer liquor and ammonia still waste liquor respectively of the ammonia soda process, during which reaction the conditions of temperature, concentration, excess calcium chloride and agitation have an effect upon the precipitated particle size, the improvement which consists in compensating for the effect of any variation in the aforesaid conditions and maintaining the resultant particle size within a predetermined range by introducing the sodium carbonate solution to the calcium chloride solution at a relatively fast rate when the smaller particle size limit of said predetermined range is approached and at a relatively slow rate when the larger particle size limit thereof is approached.

2,295,292
FISH LURE

Frank Rogers, Hoosick Falls, N. Y.

Application August 7, 1941, Serial No. 405,845
8 Claims. (Cl. 43—46)

1. A fish lure comprising a body, a separate head, interengaging means on the head and body, a rod projecting from the head, said body being provided with a longitudinal slot opening laterally thereof and extending from end to end

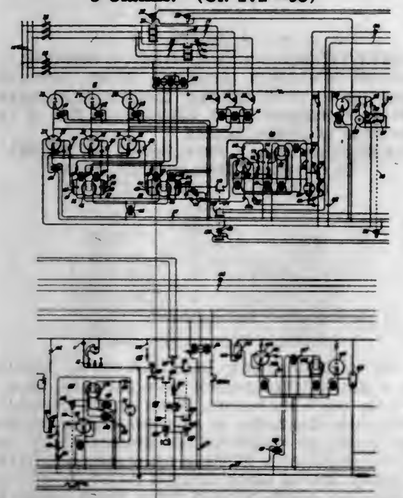


thereof for receiving said rod, and an expansion coil spring carried by the free end of said rod for engaging said body for urging it toward the head.

2,295,293
ELECTRIC SYSTEM AND INDICATING CIRCUIT THEREFOR

George L. Rogers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original application July 31, 1941, Serial No. 404,853. Divided and this application March 16, 1942, Serial No. 434,944
8 Claims. (Cl. 171—95)



1. In combination, a capacitance subjected to variations in potential and reversals of polarity, an indicating circuit comprising an indicating instrument connected in series relation with a rectifier across said capacitance, a damping circuit connected across said indicating instrument including in series relation a second capacitance and a resistance, and a discharge circuit for discharging said second capacitance.

2,295,294
METHOD OF INCREASING THE DENSITY OF A MASS OF GRANULAR MATERIAL

Donald W. Ross, Washington, Pa.

No Drawing. Original application November 5, 1938, Serial No. 239,184. Divided and this application July 22, 1939, Serial No. 285,961
7 Claims. (Cl. 25—156)

6. The method herein described of increasing the density of a mass of size-graded granular materials including in part grains that manifest the piezo-electrical phenomenon and in part grains that do not manifest such phenomenon, which method consists in subjecting the mass to differently directed electrical forces and producing in the mass piezo-electrical vibration-producing stresses.

2,295,295
CIRCUIT CONTROLLING APPARATUS

Kurt E. Schimkus, Detroit, Mich., assignor, by mesne assignments, to Edward S. Evans, Detroit, Mich.

Application April 12, 1939, Serial No. 267,457
11 Claims. (Cl. 200—113)

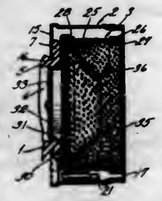


1. A device for rapidly and recurrently modifying current flow in electric circuits, comprising in combination an outer sealed envelope, an inner sealed envelope positioned within said outer envelope, an element having a relatively fine bore forming a connection between the interior of said outer envelope and the interior of said inner envelope, terminal means projecting into said outer and inner envelopes respectively, and material contained in said envelope forming an electrical connection between said terminals through said bore, said material having the property of being relatively freely conducting in one state and having the property of being transformed to a relatively non-conducting state in response to the heat generated by the passage of an electric current therethrough between said terminals.

2,295,296
RESPIRATOR

Charles F. Schmidt, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio

Application January 7, 1941, Serial No. 373,415
6 Claims. (Cl. 128—146)

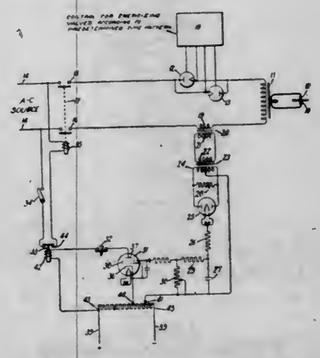


1. In a respirator, a cylindrical case having its outer end closed and its inner end open, a face piece having its inlet throat in connection with the interior of the case through said inner end opening, an air filtering and treating cartridge of cylindrical form mounted in said case with its periphery in spaced relation to the side wall of the case to provide an air space therebetween, said cartridge having its outer end closed and its inner end open to the face piece throat and having its peripheral wall of an air filtering nature, said case, in use, having a portion of its periphery disposed so that substantially half of its peripheral wall faces upwardly and the other half faces downwardly, said lower half having a plurality of louvered openings therein to admit outside air to the space between the case and cartridge with the louvers directed inwardly and upwardy in said space.

2,295,297
PROTECTIVE SYSTEM

Elbert D. Schneider, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application August 19, 1939, Serial No. 291,044
1 Claim. (Cl. 250—27)



In combination, a load circuit, a supply circuit, electric valve means for controlling the amount of the current transmitted to and the frequency of the energization of said load circuit, said means being susceptible of operation resulting in duty cycles of current flow destructive thereto, a condenser, a continually responsive charging circuit connected to said condenser for continually charging said condenser in response to all duty cycles of current flow through said electric valve means, means for continually discharging said condenser at an adjustable rate, a circuit interrupter connected in series with said electric valve means, means including an operating winding connected in circuit with an arc discharge device and the normally closed contacts of a reset switch to a source of direct current supply for operating said circuit interrupter to disconnect said supply circuit from said electric valve means when said arc discharge device becomes conductive, and means responsive to voltages of said condenser resulting from destructive duty cycles of current flow through said electric valve means for rendering said arc discharge device conductive.

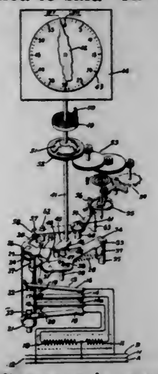
2,295,298
HEATING SYSTEM

John C. Sharp, Oak Park, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York

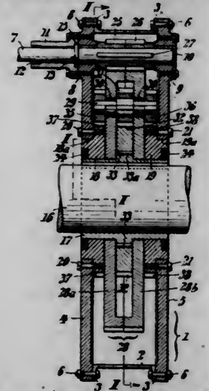
Application April 25, 1939, Serial No. 269,897
7 Claims. (Cl. 219—20)

1. In an electrical cooking hot plate provided with a pair of heating elements for heating an edible placed upon said plate, switch means controlling the energization of said heating elements, a control member for said switch means manually operable from an "off" position to a controlling position to operate said switch means to energize both of said heating elements so as to obtain a high heat output of said hot plate, timing means operatively connected to said switch means to operate said switch means after a predetermined interval of time to control the energization of said heating elements to provide a low heat output of said hot plate, said switch means controlling to hold said low heat output

of said hot plate until said control member is manually returned to said "off" position, whereupon said switch means is operated to shut off the heat of said hot plate.



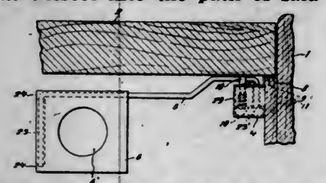
2,295,299
POWER TRANSMISSION
Ralph M. Shaw, Jr., Edgewater Park, N. J.
Application January 6, 1942, Serial No. 425,723
7 Claims. (Cl. 74—306)



1. A power transmission including a pair of shafts disposed in eccentric relation to each other; a spur gear pinion fixed on one of the shafts and meshing with a spur gear wheel free to revolve about the other shaft; a spindle journalled in the spur gear in parallel eccentric relation to the second mentioned shaft; duplicate planetary pinions affixed respectively to opposite ends of the spindle and meshing with fixed sun gears at opposite sides of the revolving gear wheel in concentric relation thereto; and a third pinion affixed medially of the spindle within a central hollow of said first mentioned gear wheel and meshing with a spur gear wheel affixed to said second mentioned shaft.

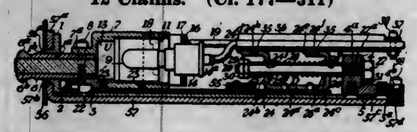
2,295,300
GUARD FOR CONTAINERS
Isaac D. Silliman and Harry A. Shane, New York, N. Y.
Application January 12, 1940, Serial No. 313,470
4 Claims. (Cl. 232—42)

1. A guard for articles comprising a rod, a lock, a socket in said lock, one end of said rod being bent at right angles and extending horizontally into said socket, said rod being adapted to extend substantially parallel to and adjacent a door in closed position, a spring pressed keeper in said lock and extending horizontally through one side thereof into the path of said parallel



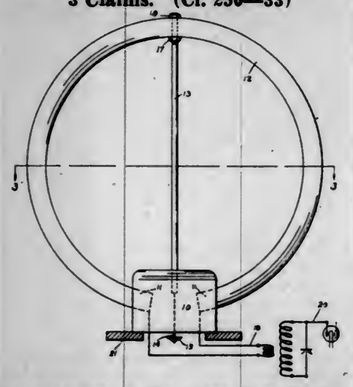
portion of said rod and adapted to hold same in locked position, a guard below said keeper having one portion adapted to contact with said keeper to prevent retraction thereof when the other portion of said guard is contacted by said rod.

2,295,301
CIRCUIT CONTROLLER
William E. Smith, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 29, 1937, Serial No. 123,014
12 Claims. (Cl. 177—311)



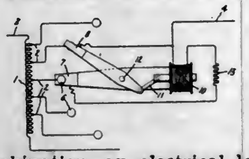
1. A circuit controller comprising a frame provided at its forward end with an opening, a tubular operating member slidably mounted in said opening, a light transmitting medium extending through said operating member, a housing secured to said operating member and containing indication lamps for at times illuminating said light transmitting medium, a plate secured to said housing, contacts secured to said frame, and cam means secured to said plate and cooperating with said contacts to selectively operate said contacts in accordance with the position of said operating member.

2,295,302
ANTENNA
Walter O. Spoon, Goldendale, Wash., assignor of one-half to George S. Klein, Goldendale, Wash.
Application February 8, 1941, Serial No. 378,050
3 Claims. (Cl. 250—33)



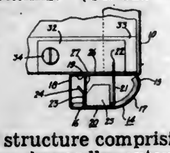
1. An antenna of the class described consisting of a base of insulating material, a circular, upright antenna loop having its lower portion divided to form two spaced ends and having the ends thereof mounted in said base and having a grounded rod connecting the upper portion of said loop to said base and means for laterally adjusting the connection between said grounded rod and the uppermost portion of said loop.

2,295,303
TAP CHANGER
Zoltan O. St. Palley, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application April 3, 1942, Serial No. 437,521
3 Claims. (Cl. 171—119)



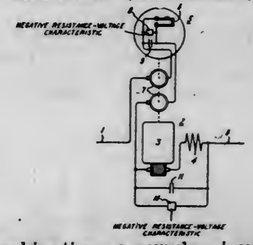
1. In combination, an electrical load current carrying device provided with a plurality of taps, and switching means for transferring said load current from tap to tap without interrupting said current comprising a leading movable contact and a trailing movable contact which normally make connection to the same one of said taps and through the trailing one of which substantially all of said load current normally passes, means for moving the leading one of said contacts in either direction to an adjacent tap, and electromotive means responsive to the tap voltage difference applied between said movable contacts when said leading contact reaches said adjacent tap for moving said trailing contact in a follow-up direction into connection with the tap to which said leading contact has been moved.

2,295,304
CABINET STRUCTURE
Edgar S. Stoddard, Berwyn, and Philip K. Borman, Chicago, Ill., assignors to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York
Application February 27, 1941, Serial No. 380,850
3 Claims. (Cl. 312—141)



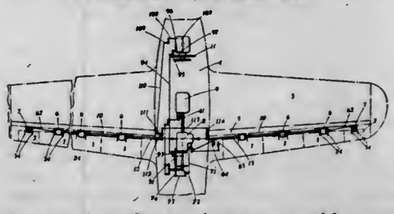
3. A cabinet structure comprising a wall having a side edge, an inwardly extending flange integrally formed with said wall at said side edge, a projection integrally formed on said flange and extending parallel to said wall beyond the front edge thereof, a corner mullion adapted to cover said flange and said projection and having a portion adapted to cooperate with said wall at said side edge thereof to give the appearance of a continuous surface, said flange having a plurality of vertically spaced slots therein, a plurality of hooking members on said corner mullion adapted to extend into said slots so as to mount said mullion on said flange, a plurality of vertically spaced aligning members extending inwardly from said mullion so as to lie in juxtaposition with said projection, and means for drawing together said aligning members and said projection to align said mullion horizontally relative to said wall.

2,295,305
MOTOR CIRCUIT
Claude M. Summers, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application October 23, 1941, Serial No. 416,236
10 Claims. (Cl. 171—229)



9. In combination, a supply circuit, a series fractional horsepower motor of the universal type connected therein, a centrifugal speed governor for said motor having a pair of contacts connected in series therewith, a small-size capacitor connected across said contacts, means for reducing the magnitude of the voltage surges across said capacitor when said contacts open comprising a negative resistance-voltage characteristic resistor of the instantaneously acting type mounted on said governor and connected across said contacts, means for reducing the audio noise resulting from the governor control of said motor comprising a second capacitor connected across said motor and in series circuit relation with the contacts of said governor, and means for further reducing the audio noise resulting from the governor control of said motor comprising a second negative resistance voltage characteristic resistor of the instantaneously acting type connected across said second capacitor.

2,295,306
AIRCRAFT
René Tampier, Cricklewood, London, England
Application July 26, 1939, Serial No. 286,667
In France August 3, 1938
11 Claims. (Cl. 244—75)

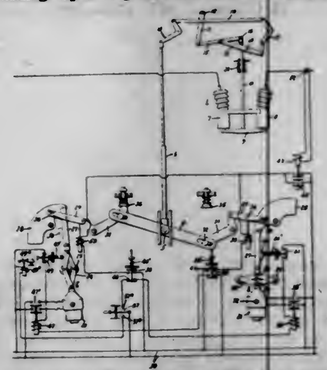


1. In an aircraft, a wing, a movable control surface, a Cardan shaft extending along the wing of the aircraft, a controllable hinge connecting said control surface to the wing, power means for rotating the Cardan shaft, and hinge actuating mechanism operatively disposed between the Cardan shaft and the controllable hinge and directly connected to the said hinge, whereby rotation of the Cardan shaft actuates said controllable hinge to operate the flap connected thereby to the wing.

2,295,307
HIGH SPEED RECLOSING MECHANISM
Carl Thumim, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application June 17, 1936, Serial No. 85,789
11 Claims. (Cl. 175—294)

1. A high speed circuit breaker reclosing sys-

tem comprising a circuit breaker having relatively movable contact structure, means for actuating said contact structure toward closed circuit position, means actuated independently of the operation of said actuating means for tripping and causing opening movement of said contact



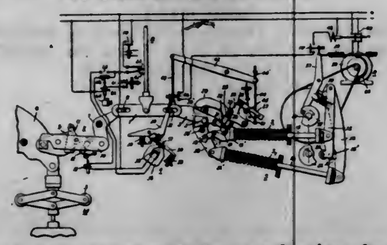
structure, and means operated subsequent to said tripping means and prior to completion of the opening stroke of said contact structure to initiate the operation of said actuating means to reclose said contact structure within a fraction of the time required for a full stroke opening and reclosing cycle.

2,295,308

HIGH SPEED RECLOSING MECHANISM

Carl Thumim, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application February 26, 1938, Serial No. 192,782
30 Claims. (Cl. 175—294)



1. A high speed reclosing mechanism for an electric circuit breaker comprising means for opening said breaker, energy storing means for directly applying instantly a reclosing force to said breaker, and means for releasing the energy stored in the aforesaid means at a predetermined intermediate point in the opening stroke of said breaker for obtaining reclosure thereof.

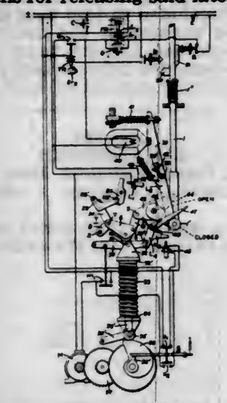
2,295,309

HIGH SPEED CIRCUIT BREAKER RECLOSING MECHANISM

Carl Thumim, Yeadon, Pa., assignor to General Electric Company, a corporation of New York

Application July 18, 1939, Serial No. 285,092
8 Claims. (Cl. 175—294)

1. An automatic circuit breaker reclosing system comprising a source of motive power, trip-free structure operatively interconnecting said source of power and circuit breaker for closing said circuit breaker, latching means for holding said circuit breaker in closed circuit position independently of said trip-free structure, fault responsive means for releasing said latching means,



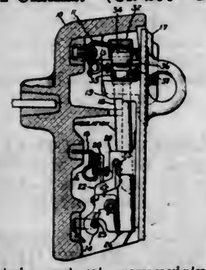
and means controlling said source of motive power for initiating reclosure of said circuit breaker in accordance with predetermined opening movement thereof.

2,295,310

ELECTRIC CUTOUT

Harold M. Towne, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application March 25, 1941, Serial No. 385,071
11 Claims. (Cl. 200—114)



8. An electric cutout comprising a casing of insulating material, a pair of laterally spaced apart contacts mounted in the upper part of said casing, a third contact mounted in said casing and spaced below said first pair of contacts, a cover pivotally supported on the lower portion of said casing, a fuse carried by said cover, a bridging member carried by said cover for effecting an electrical connection between said pair of contacts, means carried by said cover for connecting said fuse between said bridging member and said third contact including means responsive to the operation of said fuse for effecting a disconnection of said bridging member from said pair of contacts.

2,295,311

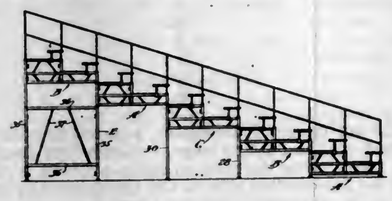
PORTABLE GRANDSTAND OR BLEACHER

Reinhold A. Uecker and David E. Beatty, Wauwatosa, and Lawrence C. Oertle, Milwaukee, Wis., assignors to Safway Steel Scaffolds Co. of Wisconsin, Wauwatosa, Wis., a corporation of Wisconsin

Application August 3, 1940, Serial No. 350,850
3 Claims. (Cl. 189—2)

1. A grandstand of the character described

comprising, a plurality of frames each frame having a front post and a rear post, the length of the rear posts being successive integral multiples of the length of the shortest rear post, a scaffold end frame of a height equal to the length of the longest rear post, means to connect the



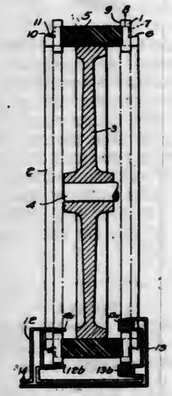
front post of each frame to the rear post of the frame having the next smallest rear post with the front post superimposed on the rear post, and means to connect and support a frame of the type having the shortest rear post between the top of the longest rear post and the top of the scaffold end frame.

2,295,312

SURGE MEASURING INSTRUMENT

Charles F. Wagner, Swissvale, and Gilbert D. McCann, Jr., Edgewood, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 15, 1939, Serial No. 284,604
32 Claims. (Cl. 175—183)



1. In an instrument responsive to substantially instantaneous values of a variable electrical quantity, a plurality of magnetic elements having high magnetic retentivities, said magnetic elements being in a substantially unmagnetized condition, and means for placing said magnetic elements successively in a magnetic field at predetermined time intervals, each of said magnetic elements comprising a laminated group of magnetic bodies.

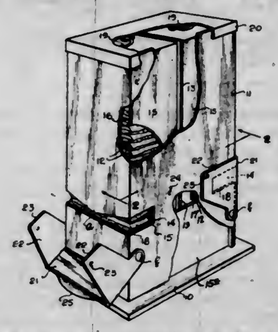
8. In a device for measuring an electrical surge, a first group of magnetic elements having a high magnetic retentivity, said magnetic elements being movable relative to a magnetic field established by said electrical surge at a predetermined rate for subjecting said magnetic elements successively to said magnetic field, a second group of magnetic elements, said second group of magnetic elements being movable relative to a magnetic field established by said electrical surge at a rate differing from said predetermined rate for subjecting the magnetic elements of said second group successively to a magnetic field produced by said electrical surge, and means for producing said different relative motions.

2,295,313

MERCHANDISE DISPENSING CONTAINER

Alvah C. Weir, Longview, Tex.

Application December 23, 1940, Serial No. 371,234
1 Claim. (Cl. 312—42)



A container for dispensing and preserving the crispness of soda crackers and the like comprising a housing divided into compartments and having transverse slots cut in its sides spaced from the bottom thereof, magazines removably disposed in each compartment of said housing in back to back relationship and in which said crackers are superimposed one upon the other, said magazines each comprising a shell having an open side, the walls of said shell being cut away from said open side adjacent the lower ends thereof to correspond with the slots in said housing walls through which crackers are removed singly from the bottom of the column of crackers in said magazines, loops mounted on the upper ends of said magazines to effect their removal from said housing, closures for each of the slots of said housing, said closures each comprising a plate having ends bent at right angles to overlie the front and end portions of a slot and further having legs pivoted to the sides of said housing whereby said closure will be disposed below and on a plane inclined to said slot when inoperative and means for holding said closure operatively in closed position.

2,295,314

SETSCREW

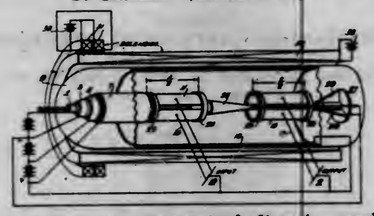
Ernest C. Whitney, Waterbury, Conn.

Application May 4, 1940, Serial No. 333,398
3 Claims. (Cl. 85—1)



3. A set screw comprising a hollow exteriorly threaded cylindrical member provided with a serrated hole extending the entire length thereof for receiving a driving member shaped to interlock with the serrations of said hole, said set screw having on each end an integral annular rib of V-shaped cross-section adapted to bite into a shaft or other member engaged by said set screw.

2,295,315
MICROWAVE DEVICE
Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 21, 1939, Serial No. 285,730
17 Claims. (Cl. 250—27)



1. A microwave device including in combination a source of electrons, controlling electrodes, a first and a second split anode electrode, means for forming electrons emitted from said source into an advancing rotating substantially hollow cylinder of electrons, means for directing said cylinder of electrons through said split anode electrodes, means for applying alternating currents to one of said split anode electrodes, means for adjusting the rotational rate of said electrons within one of said split anode electrodes to correspond to the period of said alternating currents so that certain electrons are accelerated and others decelerated and thereby arranged in rotating variable charge density groups, means for directing the accelerated electrons of said variable charge density electrons groups through the other of said split anode electrodes so that voltages are generated therein, and means for utilizing said voltages.

2,295,316
JOINT
Tom L. Yates, Millcreek Township, Erie County, Pa., assignor, by mesne assignments, to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application May 6, 1939, Serial No. 272,250
4 Claims. (Cl. 64—11)



1. In a joint, the combination of two members to be joined end to end in spaced relation, the members having enlarged outer ends and smaller resilient material receiving projections extending toward the joint center; and an element of resilient material, such as rubber, joining the members and surrounding and bonded to the projections and extending in a direct wall from enlarged end to enlarged end, the wall of the element over the space between the ends being of larger diameter than at points nearer the enlarged ends and being resilient throughout the wall thickness to the outer periphery of the joint the element providing a connection between the members free from metallic contacts.

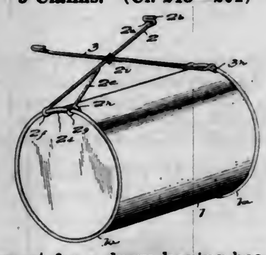
2,295,317
ROUGHING TOOL
Wilburn R. Young, Camden, Ark.
Application October 28, 1941, Serial No. 416,890
2 Claims. (Cl. 69—1)

1. A device for cutting a buttress-shaped groove in leather in such a manner that the perpendicular face of the groove will tend to overset towards the angular face to form in effect an undercut groove comprising a circular cutter, one side of each cutter being beveled to form a cutting edge



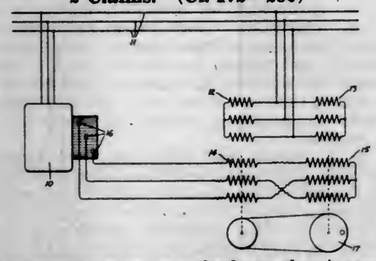
on the periphery of the cutter, a plurality of teeth formed on the cutting edge, the entering face of said teeth being formed so as to provide a back rake on the beveled side of the teeth thereby providing an additional cutting edge.

2,295,318
SUPPORT FOR DRUMS
Lawrence M. Able, St. Matthews, S. C.
Application November 28, 1941, Serial No. 420,901
5 Claims. (Cl. 248—201)



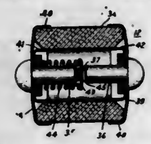
5. A support for a drum having beaded flanges on the ends thereof, said support comprising a pair of rigid suspension members, each member having a hook element formed at one end thereof and engaging the inner surface of the flange on the drum, said suspension members being arranged in crossed relation, means for securing the upper ends of said suspension members to a suitable support, and locking means provided on each suspension member adjacent the hook element thereof for engaging the inner edge of the bead on said flanges.

2,295,319
POLYPHASE SHUNT COMMUTATOR MOTOR
Bernard Adkins, Rugby, England, assignor to General Electric Company, a corporation of New York
Application January 8, 1942, Serial No. 426,085
In England January 28, 1941
2 Claims. (Cl. 172—280)



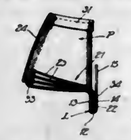
1. In combination, a polyphase shunt commutator motor, a power supply therefor, a pair of induction regulators connected between said source of supply and the commutator of said motor for regulating the speed of said motor, each of said regulators having relatively rotatable primary and secondary windings, the primary windings being connected to the source of supply and the secondary windings being connected in series to the commutator of said motor, one of said regulators producing a higher secondary voltage than the other, and common means for producing relative rotation between the primary and secondary windings of the regulator with the higher secondary voltage at one rate and between the primary and secondary winding of the other regulator at a relatively greater rate such that a variable speed regulating voltage is delivered to the commutator of said motor, which has a component for power factor correction throughout the range of regulation.

2,295,320
ELECTRIC DISCHARGE DEVICE
Edwin J. Allen, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application June 25, 1940, Serial No. 342,282
2 Claims. (Cl. 200—118)



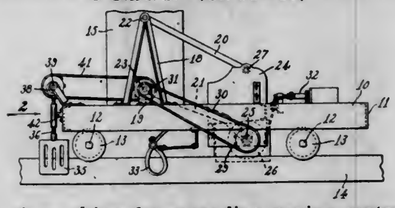
2. In combination, a hollow cylindrical insulating element, a conducting cap on each end of said element, a pair of electrodes, one supported by each cap and extending towards each other in said hollow cylindrical insulating element but spaced from one another to form a gap therebetween, conducting means adapted to bridge said gap under predetermined conditions, means continuously biasing said conducting means in a direction to bridge said gap, and means restraining said last-mentioned means so as normally to maintain a spark gap in the electrical circuit including said electrodes, said last-mentioned means being such as to release said conducting means for bridging said gap in response to an arc across said gap due to a sustained over-voltage but which will not release said conducting means for bridging said gap in response to a relatively high voltage surge of a duration of one-half cycle or less at normal frequency.

2,295,321
NASAL FILTER ELEMENT
Elmer W. Anderson, Leonia, N. J.
Application June 12, 1941, Serial No. 397,689
7 Claims. (Cl. 128—148)



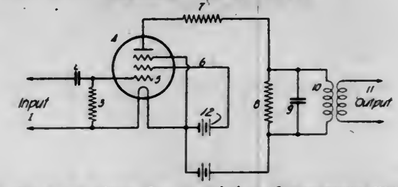
1. A nasal filter device including a nose shaped body constructed of porous fabric material defining a nose receiving pocket having a bottom wall of a shape substantially conforming to the shape of the underside of a human nose, a side wall for bridging the nose, a lip portion depending from the rear edge of the bottom wall, a plurality of porous flexible filter sheets secured to the lip portion and having their free portions folded into the pocket flat against the bottom wall, the free portions of the filter sheets being of a shape substantially conforming to that of the bottom wall.

2,295,322
SPADING DEVICE
John Arborio, Poughkeepsie, N. Y., and Mario Bottino, Hamden, Conn.
Application April 14, 1939, Serial No. 267,850
5 Claims. (Cl. 94—39)



1. A machine for spreading paving materials comprising a frame adapted for movable support on spaced form members, a horizontal rod mounted to extend transversely of the frame, a guide member carried by said rod and movable therealong laterally of the frame, a spading device located adjacent the inner face of one of said form members and having a shank slidably mounted in said guide member to reciprocate in a substantially vertical direction, means on the frame connected to said shank to reciprocate the latter through said guide, and spring means acting on said guide to urge the spading device toward the associated form member.

2,295,323
CURRENT LIMITING DEVICE
Edwin H. Armstrong, New York, N. Y.
Application August 2, 1940, Serial No. 349,869
7 Claims. (Cl. 178—44)

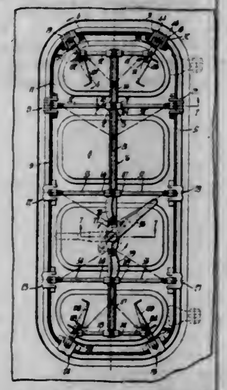


1. In a receiver for receiving frequency modulated signal currents of radio frequency, in combination, an electron discharge limiter tube having a cathode, a control grid and a plate, means for applying a band of the frequency modulated signal currents between the control grid and cathode of the tube, said means comprising a condenser having a small capacity value connected in series with the grid of the tube and a conductive connection between the grid and cathode of the tube; and means associated with the plate circuit of the limiter tube for limiting the amplitude of the plate current impulses in the positive direction to a desired maximum value.

2,295,324
CLOSURE ACTUATING AND LOCKING MECHANISM
Charles E. Arthur, Napa, Calif.
Application March 18, 1939, Serial No. 262,768
12 Claims. (Cl. 292—48)

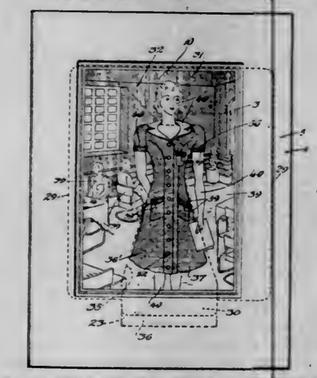
1. In combination with a door and door frame therefor, a pair of members pivoted to said door adjacent opposite edges thereof, each of said

members being pivoted along an axis substantially parallel to the plane of the door and movable in an arc normal to said plane to engage said door frame, links pivoted to said members along axes normal to said plane and pivoted together at a central portion of the door to form a toggle



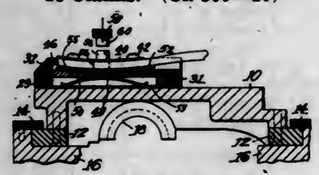
knee thereat, a track carried by said door at a central portion thereof and extending substantially parallel to the axis of said members, and manual operating means slidably carried in said track and engaging said knee for displacing the latter into a substantially aligned position of said links.

2,295,325
COLOR-MATCHING DEVICE
Charles W. Belden, Chicago, Ill., assignor, by mesne assignments, to American Linen Company, Los Angeles, Calif., a corporation of California
Application March 3, 1941, Serial No. 381,442
20 Claims. (Cl. 35—56)



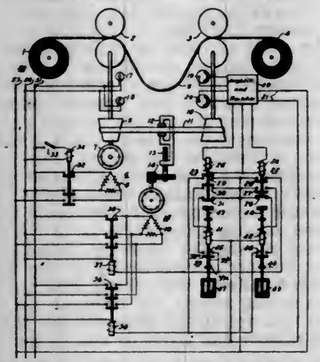
1. A two-leaf book having in one leaf a window of transparent material having a pictorial delineation thereon in part made by the use of opaque material and providing first and second transparent areas, the other leaf having a recess therein and a colored panel adapted to be opposed to and give color to, the first transparent area when the leaves are closed, and having a portion removably fitting said recess to center the panel, and a second colored panel smaller than and overlying the first and having a portion removably fitting said recess and adapted to be opposed to the second transparent area when the leaves are closed.

2,295,326
COMPENSATING PRECISION BRUSH HOLDER
Albert O. Bell and Leroy W. Vinal, Leominster, Mass., and William Penn-Gaskill Hall, Berwyn, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 1, 1940, Serial No. 349,322
16 Claims. (Cl. 300—10)



1. In a device of the class described, a compensating brush holder for a bristling machine, comprising limiting means extending a substantial distance about the periphery of the brush area to be bristled, and resilient means to urge the brush against said limiting means to clamp the same thereagainst.

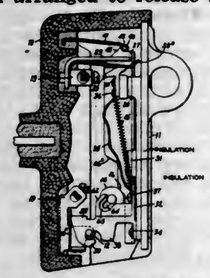
2,295,327
LOOP CONTROL SYSTEM
Waldemar I. Bendz, Arlington, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1939, Serial No. 267,586
10 Claims. (Cl. 271—2.3)



1. In a device for conveying a strip of material including a pair of rolls, means for driving said rolls including variable speed transmission means for driving said rolls at selective relative speeds, control means for controlling said speed transmission means, and changing the relative speeds of said rolls in order to provide a substantially constant length loop of material between said rolls, said control means including time delay means including a mechanical dashpot and including contact members having time constants which are directly proportional to the abnormality in length of said loop irrespective of the degree of such abnormality.

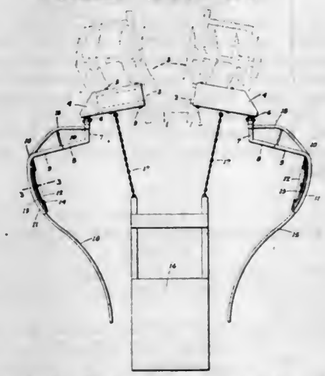
2,295,328
PROTECTIVE DEVICE
Ralph S. Bennett, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application June 25, 1940, Serial No. 342,247
24 Claims. (Cl. 200—118)

1. A voltage responsive device including relatively movable electrodes, resilient means positioning said electrodes to define a gap, actuating means mounted on one of said electrodes for causing relative movement thereof and heat-responsive means for restraining said actuating means, said heat-responsive means being so constructed and arranged to release said actuating



means upon becoming overheated, said gap being so positioned to allow arcing thereacross upon an over-voltage appearing across said electrodes, said arcing causing said heat-responsive means to overheat so that said actuating means will overcome said positioning means and cause relative movement between said electrodes.

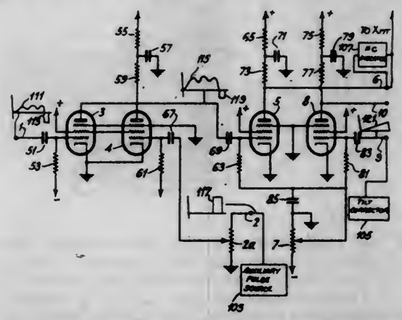
2,295,329
AGRICULTURAL IMPLEMENT
Charles C. Black, Acampo, Calif.
Application April 12, 1940, Serial No. 329,295
2 Claims. (Cl. 97—179)



1. A cultivating attachment for a cultivator having a rear frame, said attachment comprising a flexible joint adapted to be secured on said frame, a relatively low cultivating blade disposed laterally out from and rearwardly of the joint and below the same, a supporting bar for the blade comprising a substantially horizontal portion on which the blade is mounted, a portion extending laterally inward from in front of the blade and up substantially to the level of the joint and a top portion connected to the joint; and an operating bar rigid with and projecting rearwardly from the supporting bar.

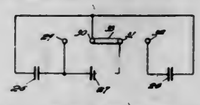
2,295,330
TELEVISION OR OTHER SIGNAL TRANSMISSION SYSTEM
Alan Dower Blumlein, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application May 24, 1939, Serial No. 275,367
In Great Britain May 30, 1938
5 Claims. (Cl. 178—7.2)

2. The method of television transmission which comprises supplying picture signals having direct current and alternating current components, which signals are recurrently interrupted by a spurious signal related to the black level of the picture, adding auxiliary signals in substantially time coincidence to the spurious signals, the auxiliary signals being of such amplitude and polarity to give a resultant representative of the black level of the picture, manually controlling the amplification of the unsuppressed components of the picture signals in accordance with



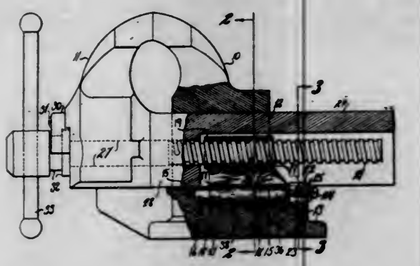
the picture signals, reinserting direct current components representative of the suppressed direct current components subsequent to the controlling of the amplification of the unsuppressed picture signals, supplying a second auxiliary signal, manually controlling the amplification of the second auxiliary signal in accordance with the picture signals, and subsequently combining the amplified auxiliary signal with the picture signal and the reinserted direct current components.

2,295,331
CAPACITOR UNIT
Hamilton Brooks, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 13, 1939, Serial No. 284,137
5 Claims. (Cl. 175—41)



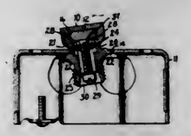
3. A capacitor unit having a closed case, three capacitor elements of substantially equal capacitance contained in the case, connection-means for connecting together a terminal of a first one of said capacitor elements and a terminal of a second one of said capacitor elements, first, second and third terminal devices mounted on the case, means connecting the other terminal of said first capacitor element to the first terminal device, means connecting said terminal of the second capacitor element to the second terminal device, means connecting one terminal of the third capacitor element to the third terminal device, connection-means for connecting together the other terminal of the third capacitor element and the last-mentioned terminal of the first capacitor element, all of said connections being permanently made inside the case, and a connector connected to the remaining terminal of the second capacitor element and adapted to be attached alternatively either to the third terminal device or to the connection-means between the first and third capacitor elements.

2,295,332
VISE
Reginald L. Call, Meriden, Conn., assignor to The Charles Parker Company, Meriden, Conn., a corporation of Connecticut
Application May 6, 1940, Serial No. 333,585
1 Claim. (Cl. 81—33)



A vise comprising: a first jaw-member having a cylindrical-shape nut-way having a side opening of less width than the diameter of said nut-way; a screw-threaded nut having a shank-portion extending through said side opening, and a cylindrical-shape key-portion on the end of said shank-portion and fitting in said cylindrical-shape nut-way; a second jaw-member carrying a screw adapted to cooperate with said nut to force said second jaw-member relatively toward said first jaw-member; and a stop-abutment at the end of said nut-way nearest to said second jaw-member to limit the movement of said key-portion toward said second jaw-member.

2,295,333
BOX SUPPORTING DEVICE
Edward B. Clark, Milford, Conn., assignor to General Electric Company, a corporation of New York
Application July 10, 1941, Serial No. 401,803
6 Claims. (Cl. 174—63)



1. A support for mounting an outlet box on a bar hanger comprising a stud having a transverse opening for receiving a bar hanger, said stud also having a transverse slot therein, a clamping member mounted in said slot for movement axially of said stud, a screw carried by said member extending into said opening and adapted to engage the bar hanger, said stud being provided with projecting portions and a recess adjacent thereto whereby said stud may be tipped at an angle and inserted through an opening in the wall of an outlet box, said clamping member and said projecting portions each having portions extending beyond the perimeter of the opening in the outlet box for engaging the outer and inner walls of the outlet box, respectively, whereby the wall of the box is clamped between said member and said projecting portions and the bar hanger is clamped between said screw and a wall of said transverse opening upon tightening of said screw.

2,295,334
METALLURGY OF FERROUS METALS
Frances H. Clark, New York, and Robert F. Dirkes, Jamaica, N. Y.
No Drawing. Application July 15, 1939, Serial No. 284,598
4 Claims. (Cl. 75—22)

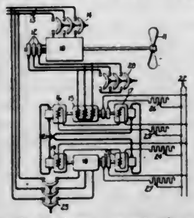
1. The method of producing steel which comprises mixing uncarburized powdered iron and carburized and annealed iron powder in the proper proportion to give a content of combined carbon in the mixture of from 0.1 to 1.5%, pressing said mixture to render it coherent, sintering at a temperature above the critical range at which the microstructure is austenitic but below the temperature at which the metal becomes plastic, and continuing the heating beyond the time required for sintering for a period sufficient to cause diffusion of the combined carbon substantially uniformly through the mass.

2,295,335
PROCESS AND APPARATUS FOR PACKAGING ARTICLES
William S. Cloud, Wilmette, Ill.
Application August 3, 1940, Serial No. 350,986
15 Claims. (Cl. 93—3)



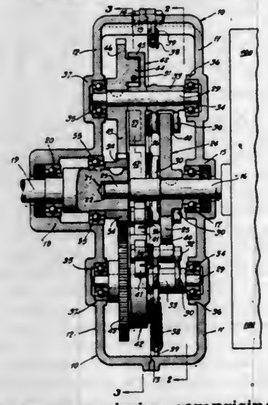
1. In a packaging machine of the character described, the combination of means for holding and crimping simultaneously the bottom ends of a plurality of joined paper receptacles, means for opening said receptacles and maintaining the same in opened condition during the filling thereof, and means for closing and crimping the top ends of said receptacles after the same have been filled.

2,295,336
CONTROL SYSTEM FOR INDUCTION MOTORS
Charles C. Clymer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 30, 1939, Serial No. 282,238
2 Claims. (Cl. 172—274)



1. In a control system, an induction motor of the wound secondary type, a source of alternating current supply for said motor, apparatus for controlling the speed of said motor below and above synchronous speed comprising a pair of synchronous-direct current motor generator sets, the direct current machines of the sets being connected together for Ward Leonard control and the synchronous machines of the sets being respectively connected to the secondary of said induction motor and to said source of supply, and additional auxiliary apparatus for enabling the operation of said motor through synchronous speed comprising a frequency changer exciter driven with said induction motor and supplied from said alternating current source, and an alternating current commutator-type generator excited jointly from said exciter and the secondary of said induction machine and producing a current of the same frequency as its excitation and means for connecting said commutator-type generator in series with the secondary of said induction motor comprising a series connection from the commutator type generator through the alternating current winding of that synchronous machine which is connected to the secondary of the induction machine and a circuit breaker for short-circuiting said connection between such synchronous machine and the commutator type generator.

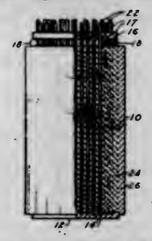
2,295,337
AUTOMATIC VARIABLE SPEED POWER TRANSMISSION
Robert V. Derrah, Beverly Hills, Calif.
Application August 4, 1940, Serial No. 351,416
4 Claims. (Cl. 74—113)



1. A power transmission comprising a housing, a drive shaft rotatably supported in said housing, a driven shaft in axial alignment with the drive shaft and rotatably supported in said housing, a gear fixed on the driven shaft, a plurality of counter-shafts rotatably supported within said housing and arranged around the axis of the driving and driven shafts, a driven gear on each of said counter-shafts in constant mesh with the gear on the driven shaft, drum structures freely mounted on each of the counter-shafts, separate yieldable means carried by said driven gears and directly disposed between the individual drum structures and the counter-shaft gears, vibrating gripping means adapted to consecutively engage the drums on the counter-shafts to impart a torque impulse thereto, and a cam on the drive shaft adapted to vibrate said vibrating gripping means in one direction while imparting driving torque through the vibrating means to the drum.

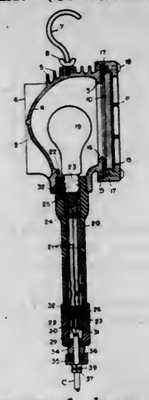
2,295,338
METHOD OF MAKING ELECTRICAL CONTACT MEMBERS
James K. Ely, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application April 13, 1940, Serial No. 329,459. Divided and this application September 21, 1940, Serial No. 357,701
4 Claims. (Cl. 29—155.55)

1. The method of making electrical contact members reinforced about their periphery to resist mushrooming and provided with refractory inserts to resist heat and impact deformation, comprising, providing an elongated mold of a predetermined reinforcing metal, the mold having a longitudinal cavity, placing within the longitudinal cavity a plurality of longitudinal uniformly spaced refractory metal inserts selected from the group of tungsten and molybdenum, preheating the mold and refractory



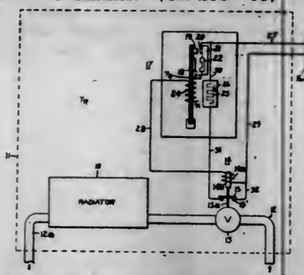
metal inserts contained therein, casting a molten metal selected from the group of silver, copper and their alloys, within the longitudinal cavity to bond the preheated mold and refractory inserts into a whole, and thereafter severing the mold containing the refractory metal inserts in the cast metal through its cross-section into contact members of predetermined length, the section of the mold severed forming a circumferential reinforcement for the cast metal containing the refractory metal insert.

2,295,339
EXPLOSIONPROOF LAMP
Edward O. Ericson, Cleveland Heights, Ohio
Application September 12, 1940, Serial No. 356,514
3 Claims. (Cl. 240—11.2)



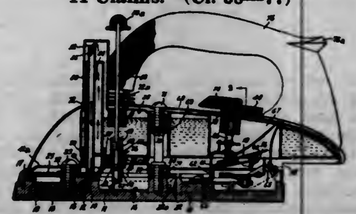
3. An explosion-proof lamp, comprising a housing of non-sparking metal having a lateral window and an integral reflector surface opposite, combined means for positioning the light beam therefrom in optional vertical or lateral positions and for eliminating heat, embodying integral heat radiating fins extending outwardly from said housing, including intersecting fins on the back that terminate in a plane to form a rear support, a glass and protective grid on the window of the housing, said glass being sealed by gasket means not disturbed on removal of the glass from the window, a glass-holding ring, an insulating handle screw-threadedly secured to said housing, and a set-screw preventing turning thereof.

2,295,340
THERMOSTAT
Marcus E. Fiene, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application December 20, 1940, Serial No. 371,021
5 Claims. (Cl. 236—68)



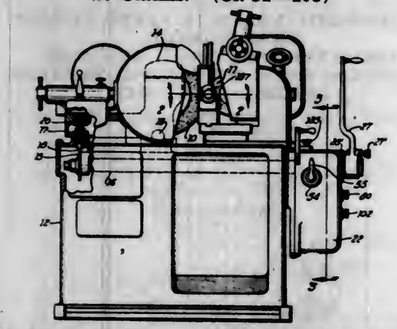
1. Apparatus for controlling the temperature of a space to be heated comprising in combination, a thermostat responsive to the temperature of said space, said thermostat having a control element movable intermittently back and forth between low and high temperature positions upon the heating and cooling of said thermostat through a predetermined range of temperatures, said temperatures being above the temperature to be maintained in said space, an electric heater having sufficient capacity when energized to raise the temperature of said thermostat through said range, means for energizing said heater when said element is in the low temperature position whereby a relatively short cycle of operation of said control element is obtained, the time said control element remains in the low temperature position being a function of the thermostat ambient temperature, a second electric heater energized when said control element is in the high temperature position and associated with said thermostat so that said thermostat ambient temperature is determined jointly by the temperature of the space to be controlled and the heating action of said second heater, and means for delivering heat to said space at a rate proportional to the percentage of time said control element remains in the low temperature position.

2,295,341
PRESSING IRON
Frank E. Finlayson, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Application January 6, 1941, Serial No. 373,369
11 Claims. (Cl. 38—77)



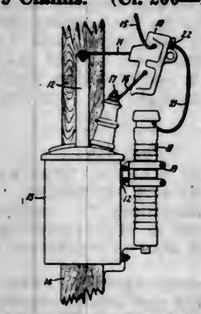
1. A steam iron comprising a sole plate having a steam discharge port, a water reservoir above said sole plate having a lower port for discharging water from said reservoir, a valve controlling the flow of water through said reservoir port, a flash steam generating chamber under said reservoir port, means for heating said generating chamber to flash the water dropped therein into steam, a steam dome rising from said reservoir, conduit means connecting said generating chamber with said dome and thereby with said reservoir, an upright steam take-off pipe in said dome, and conduit means connecting the lower end of said pipe with said discharge port.

2,295,342
INFEEDING MECHANISM FOR GRINDING MACHINES
Andrew J. Graf, Norwood, and William T. Septant, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application December 24, 1940, Serial No. 371,505
20 Claims. (Cl. 51—103)



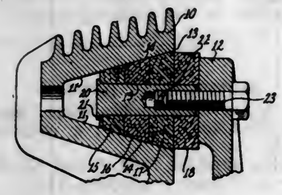
2. In a grinding machine having a grinding wheel support and a work support, the combination of an oscillatable member operatively connected for infeeding and returning the grinding wheel support, means for effecting oscillation of said member including a manually actuable device, a first piston for effecting the infeeding movement, a second piston for effecting the return movement, a source of pressure and control means for alternatively connecting said source of pressure to said manually actuable device and to said pistons whereby said member may be manually actuated or automatically by operation of the pistons to effect a cycle of operation of said grinding wheel support.

2,295,343
ELECTRIC CUTOUT
Benjamin R. Hermann, Lanesborough, Mass., assignor to General Electric Company, a corporation of New York
Application March 25, 1941, Serial No. 385,067
9 Claims. (Cl. 200—114)



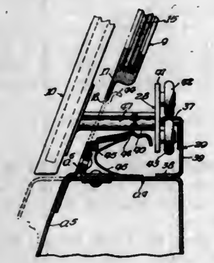
1. An electric cutout comprising an insulating casing, a line contact mounted in said casing, a cover for said casing, a fuse mounted on the inner surface of said cover and movable therewith, said fuse having a terminal end cap adapted to be moved into engagement with said line contact, an auxiliary circuit terminal independent of said fuse mounted on said cover, and means conductively connecting said terminal with said fuse end cap.

2,295,344
FRICTION CLUTCH
Benjamin Jacoby, Marion, Ohio, assignor to The Marion Steam Shovel Company, Marion, Ohio, a corporation of Ohio
Application March 10, 1941, Serial No. 382,481
16 Claims. (Cl. 192—66)



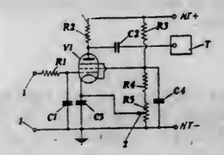
8. A friction element for a clutch of the type comprising two clutch members one of which has an inclined contact surface and the other of which includes a supporting element and a friction element having an inclined contact surface to cooperate with the first mentioned contact surface, said friction element comprising a plurality of substantially rigid sections which decrease in width progressively toward the inner edge of said friction element, each section being of a thickness substantially equal to the axial travel required to wear a new friction element to a worn-out condition, and each section having a part to cooperate with said supporting element to support said section in operative relation to said first mentioned contact surface when said section is in any one of a plurality of positions spaced apart axially of said supporting element.

2,295,345
AIRPLANE COCKPIT ENCLOSURE
John R. Jerman, Glendale, Calif., assignor to Vultee Aircraft, Inc., Downey, Calif., a corporation of Delaware
Application November 4, 1940, Serial No. 364,151
8 Claims. (Cl. 244—121)



1. In combination with a vehicle having a cockpit therein, an enclosure for the cockpit comprising a transversely arched section mounted fixedly on the vehicle adjacent the cockpit and having longitudinal slots along the bottom portions of its sides, a transversely arched hatch type section shiftable longitudinally back and forth between a closed position wherein it overlies the cockpit and forms a continuation of the fixed section and an open position wherein it is in overlapped relation with said fixed section, a slide type mounting for the shiftable section including elements connected to the bottom portions of the sides of said shiftable section and extending inwardly through and slidable along said slots, and rigid movably mounted doors for closing said slots when the shiftable section is in its closed position.

2,295,346
TELEVISION AND LIKE SYSTEM
William Jones and Baden John Edwards, Cambridge, England, assignors to Pye Limited, Cambridge, England, a British company
Application April 21, 1939, Serial No. 269,229
In Great Britain April 22, 1938
4 Claims. (Cl. 178—7.3)

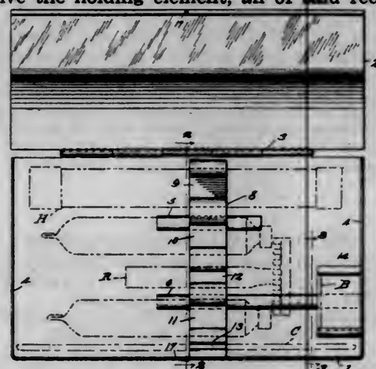


1. Circuit arrangement for separating and simultaneously amplifying frame synchronizing impulses from a composite signal including frame and line synchronizing impulses of substantially the same amplitude but of different duration, comprising a single amplifying device containing cathode, control grid and anode electrodes therein and having a transmission characteristic curve with a steep sloping portion terminating at each end in a substantially horizontal portion, an input circuit having a predetermined time constant comprising a resistance and capacitance so as to be responsive to the duration of a signal applied to said input circuit for varying the biasing potential applied to said amplifying device and thus the operating point on said curve, means for applying the frame and line synchronizing impulses to said input circuit, the initial operating point of said amplifying device so lying on one substantially horizontal portion of said curve that the biasing potentials applied to the amplifying device due to line synchronising impulses cause the amplifying device to continue to operate on said substantially horizontal portion to produce negligible output change, while the biassing potentials applied to the amplifying device due to frame synchronising impulses cause the operating point on the curve to swing over to the other substantially horizontal portion of said curve through the steep sloping portion of said characteristic curve, and an output circuit from said device connected to said plate electrode in which said frame synchronising impulses appear as a square topped wave form.

2,295,347
FIELD TOILET KIT
Oss Nelson Kelley, Portsmouth, Va.
Application June 12, 1942, Serial No. 446,763
5 Claims. (Cl. 132—79)

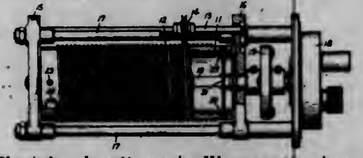
1. A field toilet kit including a box having a lid, there being a holding element extending into and carried by the box, and a holding member removably mounted within the box, said member comprising a block of resilient material having an article-receiving recess extending downward-

ly into the block and also a recess positioned to receive the holding element, all of said recesses



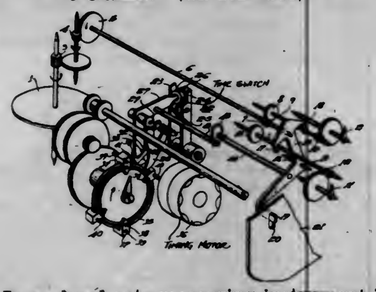
being normally of less width than the parts to be received thereby.

2,295,348
CIRCUIT CONTROLLING APPARATUS
Edward A. Leach, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 23, 1940, Serial No. 346,971
11 Claims. (Cl. 171—242)



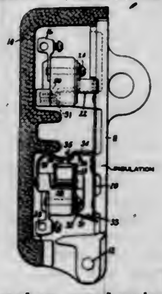
1. Electric circuit controlling apparatus comprising a rotatable shaft, a frangible cylindrical coil form surrounding said shaft concentrically and having holes therethrough on opposite sides of said shaft, and a pair of resilient wires affixed to said shaft and extending substantially radially therefrom with their free ends fixedly engaged in said holes whereby said coil form is supported on said shaft and torsional resilience is provided therebetween to minimize breakage of said form.

2,295,349
TWO-RATE INSTRUMENT
Bernard E. Lenehan, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 21, 1938, Serial No. 236,203
6 Claims. (Cl. 171—268)



1. In a plural rate measuring instrument having register driving means and a pair of registers, control means for said registers including a controlled device mounted for rotation about an axis between two predetermined positions, a stressed spring having a first portion engaging said controlled device at a point displaced from said axis, means for moving a second portion of said spring between two positions on opposite sides of a plane containing said axis and said point for selectively actuating said controlled device into either of its predetermined positions, coupling means responsive to the position of said controlled device for selectively coupling either of said registers to said register driving means, and means for preventing operation of the uncoupled one of said registers, said last-named means also being designed as stop means for establishing proper coupling of said coupling means.

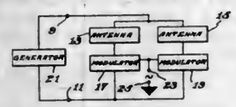
2,295,350
PROTECTIVE DEVICE
George F. Lincks, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application June 25, 1940, Serial No. 342,259
19 Claims. (Cl. 200—118)



6. A circuit breaker mechanism including a latch, a slide member, electrodes disposed to define a gap, a member adjacent said gap, said member being adapted to function upon overheating, said slide electrodes and member forming an operating device for said breaker, and means for biasing said latch to an unlatching position, said slide member and said meltable member providing a means for restraining said latch means in its latching position, said gap having such characteristics that it will arc over upon a relatively high voltage surge of short duration and then reseal and will arc over and cause said member to overheat and function upon a sustained overvoltage so that said restraining means is removed whereby said latch may move under the influence of its biasing means to an unlatching position, said circuit breaker being operable upon said unlatching movement of said latch means.

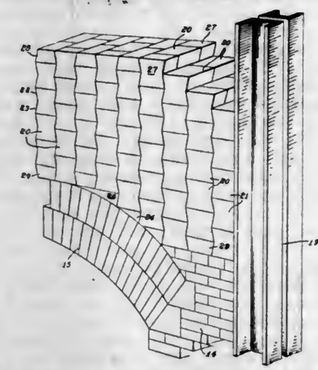
2,295,351
MODULATING SYSTEM
David G. C. Luck, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 24, 1939, Serial No. 275,370
5 Claims. (Cl. 250—17)

1. A constant impedance load device including separate current paths, one of said paths comprising serially connected fixed and variable impedances, and the other of said paths including a fixed impedance and a variable impedance, said fixed impedances having equal values, one of said variable impedances being connected in series with said fixed impedance through an impedance inverter, and means for varying said variable im-



pedances in like sense and amount to vary the relative impedances of said paths and to maintain constant the input impedance of said load device.

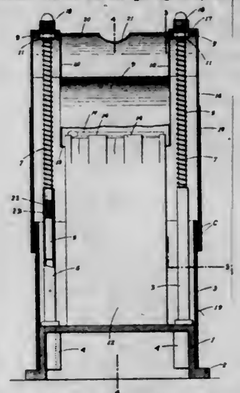
2,295,352
WALL STRUCTURE
James E. MacDonald, Latrobe, Pa., assignor to McFeely Brick Company, Latrobe, Pa., a corporation of Pennsylvania
Application October 4, 1941, Serial No. 413,616
4 Claims. (Cl. 72—38)



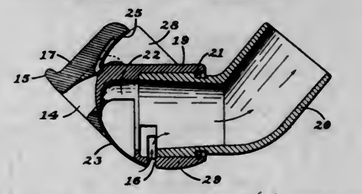
1. A wall structure having an upper portion comprising bricks each having its opposite edge surfaces above its median plane sloped upwardly in relatively flared planes and having the edge surfaces below its median plane sloped downwardly in relatively flared planes, the upwardly-sloped surfaces of each brick fitting between the downwardly-sloping edge surfaces of two adjacent bricks, and means for supporting the ends of said upper wall portion, an arch being formed intermediate the end supports by omitting bricks at the lower edge of the wall structure, at progressively higher planes, so that one-half of each of certain bricks at the arch projects below the adjacent brick next nearer to the vertical center line of the arch.

2,295,353
DISPENSER
Roy E. Newby, Oakdale, Calif.
Application November 9, 1940, Serial No. 365,047
2 Claims. (Cl. 312—77)

1. A match dispenser including a hopper for a supply of matches, spaced plunger rods mounted in connection with and depending from the hopper at its ends, a base, upstanding sleeves mounted on the base and into which sleeves the rods slidably project, compression springs on the rods between the sleeves and hopper and resisting downward sliding movement of said rods, a cover for said hopper, the cover having a slot therein parallel to the hopper and for the passage of a match lengthwise, and means operative upon downward movement of the hopper to dispense a single match through said slot; the hopper including end portions having out-turned ears through which said rods project, the springs engaging the ears from beneath and nuts threaded on the rods and engaging said ears from above.



2,295,354
SUCTION NOZZLE
Gustav Axel Peterson, Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application January 12, 1940, Serial No. 313,491
5 Claims. (Cl. 15—155)

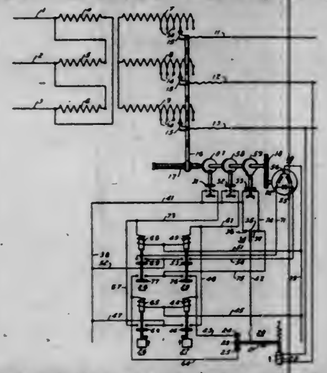


1. A suction nozzle including a main nozzle body having an elongated suction opening; a secondary nozzle member pivotally connected to said main nozzle body, on an axis parallel to the lengthwise extent of said nozzle body, having a small suction opening and a passage communicating with the interior of said body; a plate carried by said main nozzle body covering the small suction opening in one position and the passage in said nozzle member in another position; and a second plate carried by said main nozzle body having a projection adapted to engage a recess in said nozzle member to hold said main nozzle body in an inoperative position and uncovering the small suction opening at the end of said secondary nozzle member for presentation to a surface being cleaned.

2,295,355
ELECTRICAL APPARATUS
Herbert L. Prescott, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 18, 1941, Serial No. 379,470
6 Claims. (Cl. 171—119)

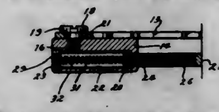
1. In combination, apparatus having an operating condition to be regulated, regulating means for regulating said condition in steps, control equipment for said regulating means including a circuit controller responsive to the value of said condition for initiating the operation of said regulating means, and means for selectively condi-

tioning the control equipment for interrupting the operation of said regulating means either upon the completion of each step of operation



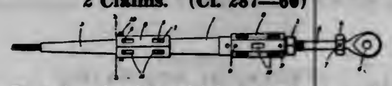
of the regulating means independently of the position of said circuit controller, or only upon a completion of the number of steps required as determined by said circuit controller.

2,295,356
KEY EJECTOR
Fay F. Rathbun, Salamanca, N. Y.
Application October 5, 1939, Serial No. 298,127
3 Claims. (Cl. 70—414)



1. A device for ejecting a key from a lock comprising a member adapted to be rigidly joined to the handle portion of a key, said member having a compartment open at opposite ends, a hollow pin in said compartment projecting through the opening in one of said ends, a cap closing the opening in the other of said ends, a pin joined to said cap and projecting into said hollow pin, a spring encircling the pin of said cap, said spring projecting into said hollow pin, the pins having telescoping engagement to compress said spring when said hollow pin is moved into said compartment.

2,295,357
TURNBUCKLE ASSEMBLY
James T. Ryan, Santa Monica, and Homer Robinett, Los Angeles, Calif.
Application October 15, 1940. Serial No. 361,259
2 Claims. (Cl. 287—60)



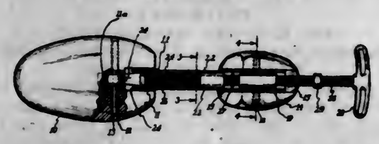
1. In a turnbuckle which includes a body, an end member having a threaded stem adjustably screwed in and projecting from one end of the body and enlarged multisided symmetrical heads of identical form and size on the member and said end of the body, a sleeve non-turnably but slidably fitting the heads and of a length to extend between and overhang both heads when the end member is adjusted to position, and means for releasably locking the sleeve and body together against relative movement and operative only when said sleeve and the heads are in predetermined rotative relation; the body beyond its head being smaller than the head and of a greater length than the sleeve whereby the sleeve may be shifted onto the body clear of said head for unrestricted rotation and to expose the portion of the stem immediately adjacent said one end of the body.

2,295,358
TOY RAILWAY TRACK SWITCH AND METHOD OF MAKING SAME
Stephan Schaffan, Jr., Irvington, N. J.
Application September 5, 1941, Serial No. 409,637
3 Claims. (Cl. 246—415)



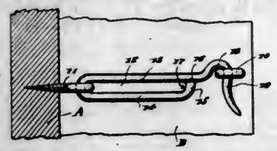
1. In a toy railway track system, a plurality of ties arranged in spaced, parallel relation, a pair of outer rails secured to said ties in spaced relation, a pair of converging rails secured to said ties intermediate said outer rails, and a switch unit slidably arranged on said ties intermediate said outer rails, and forwardly adjacent said converging rails, said unit comprising a pair of parallel, upstanding rails with spaced transverse web portions integrally connecting the same adjacent the forward ends thereof, said pair of rails and connecting webs being of solid cross section, a switch arm pivotally secured to one of said transverse web portions, said switch arm being positioned beneath the outer rails and intermediate a pair of adjacent ties, the transverse web portions and switch unit rails being positioned intermediate the outer rails to enable the switch unit to be transversely shifted into abutment with either of the outer rails on actuation of the switch arm, said switch arm being guided during said shifting movement by the pair of ties intermediate which the arm is positioned, and means arranged on one of the ties located adjacent the rear end of the switch unit for cooperation with one of the rails of the unit to serve as a fulcrum for the rear end of the unit and to permit limited shifting of the unit into cooperative relation with the forward ends of the second mentioned pair of rails, when the switch arm is actuated.

2,295,359
SHOE LENGTHENER
John J. Schiller, Cicero, Ill.
Application November 17, 1941, Serial No. 419,410
9 Claims. (Cl. 12—128.6)



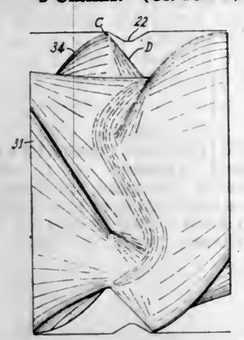
1. In a shoe stretcher, a heel member and a toe member of foot-like form, said members being bifurcated and forming recesses; thrust pins mounted in said members respectively and extending transversely thereof; a channel-like mounting element in the bifurcation of the heel member; an internally threaded sleeve member having an integral extension pivotally connected to the thrust pin of said heel member, and a hand screw threadingly engaging said sleeve and connected at its forward end to said pin of said toe member, whereby rotation of said screw separates and retracts said members.

2,295,360
HOOK FASTENER FOR DOORS AND THE LIKE
Reuben W. Schneider, Alliance, Ohio
Application December 14, 1940, Serial No. 370,197
1 Claim. (Cl. 292—114)



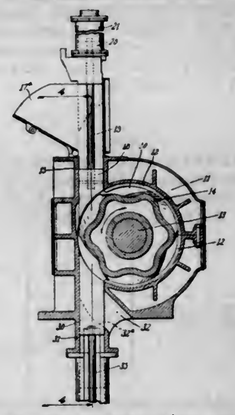
In combination with an anchoring eye, a fastener formed from a single length of metal bent intermediate its ends to provide spaced shanks defining an elongated slot, one shank terminating in a hook and the other shank being offset laterally with respect to the first mentioned shank and terminating in an inwardly turned laterally disposed shoulder having its terminal connected with the adjacent shank at a point beyond the transverse central axis of the shanks, whereby the hook will be held in its uppermost position when the shoulder is engaged with the anchoring eye and the fastener is in a vertical position.

2,295,361
SINGLE ROTOR MIXER FOR PLASTIC MATERIAL
Carl F. Schnuck, New Haven, Conn., assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn., a corporation of Connecticut
Application October 24, 1939, Serial No. 301,004
6 Claims. (Cl. 18—2)



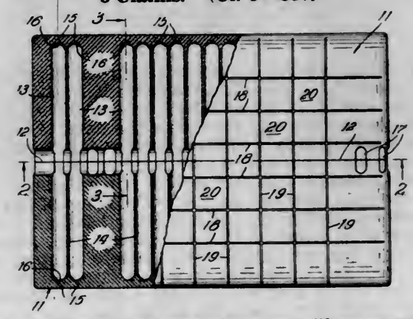
6. A rubber mixing machine of the enclosed type comprising a substantially cylindrical casing providing a mixing chamber, a gradually sloping rib extending into the chamber midway of its length, and a rotor for working the material in a tortuous path around the chamber and back and forth over the surface of said rib, said rotor having three blades in each end of the chamber in staggered relation to the blades in the opposite end, said blades making an angle of substantially 60° with the rotor axis and each having rounded convex front and rear surfaces arranged at an angle of approximately 60° to each other and having inner end portions facing the surface of the rib which are rounded in order to facilitate passage of the material over the rib.

2,295,362
MIXER FOR PLASTIC MATERIAL
Carl F. Schnuck, New Haven, Conn., assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn., a corporation of Connecticut
Application July 27, 1940, Serial No. 347,864
4 Claims. (Cl. 18—2)



2. A masticating apparatus comprising a chamber of cylindrical shape, a bladed rotor rotatably mounted in the chamber and adapted to knead the charge therein, a vertically disposed charging stack communicating with said chamber with one wall of said stack extending from the chamber substantially tangentially to the circumferential wall of the chamber, said chamber having a discharge opening with one wall of said opening disposed in a plane substantially tangent to the circumferential wall of the chamber, said opening extending in the general direction in which the charge is moved by the rotor adjacent the opening, and a movably mounted plunger to control said opening, said plunger being movable in a direction substantially transverse to the chamber axis, said discharge opening lying directly below the charging stack and on the same side of the chamber axis.

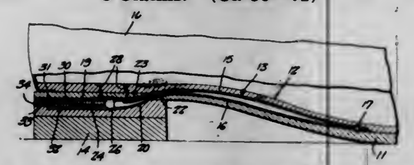
2,295,363
PILLOW
John F. Schott, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application May 17, 1940, Serial No. 335,737
8 Claims. (Cl. 5—337)



1. A spongy rubber cushion or pillow comprising a body having a plurality of internally located, substantially horizontal, elongated, cylin-

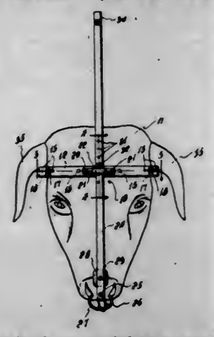
drical cavities extending transversely of the pillow parallel to each other and separated from each other by thin walls, said cavities having their ends separated by webs from the outside surfaces of the pillow body; said body also having a plurality of parallel, straight, substantially horizontal, ventilating channels arranged one above the other and extending longitudinally of the pillow, each of said channels intersecting all the cavities that lie on its level, and extending out to the ends of the pillow, where the ends of the channel are exposed.

2,295,364
ADJUSTABLE SHOE ARCH SUPPORT
Henry Skorepa, Tucumcari, N. Mex.
Application September 15, 1941, Serial No. 410,925
3 Claims. (Cl. 36—71)



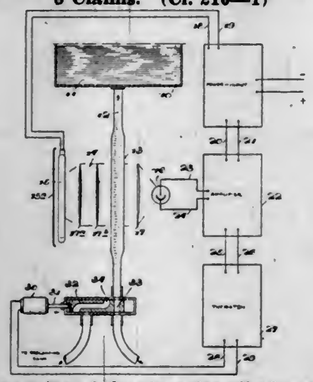
1. An adjustable shoe arch support comprising an upper resilient plate, a lower adjusting plate, said plates being connected together at their forward ends and adapted to be incorporated in a shoe sole at the arch portion of a sole, and means at the rear ends of both plates adapted to draw the lower plate rearwardly to buckle upward the upper plate.

2,295,365
BULL CONTROL
Ervin L. Sparkman, Three Rivers, Tex.
Application January 9, 1941, Serial No. 373,848
3 Claims. (Cl. 119—142)



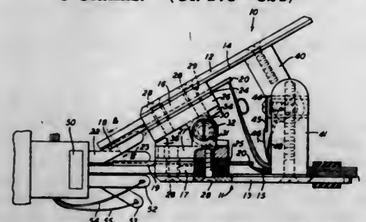
1. A bull control comprising a supporting member including a forehead engaging band disposed across the forehead of a bull, means for adjustably and detachably mounting the band thereon, said band having a slotted portion intermediate of its ends, a bar having an intermediate portion slidably mounted in said slotted portion and solely attached thereby to the supporting member, the lower portion of said bar being adapted to be disposed in front of the face of the bull, means adapted for detachably and loosely connecting the lower end of the bar to a ring disposed in the nose of the bull and at a point a substantial distance from the forehead band, said first mentioned means comprising a rod shaped to engage around the back of the head of the bull and provided with threaded ends, and said forehead band having spaced openings at its ends for selectively receiving the threaded ends of said rod, said threaded ends being provided with nuts for detachably connecting the rod to the forehead band.

2,295,366
INSPECTION DEVICE
George Philip Stout, Baltimore, Md., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application September 27, 1938, Serial No. 231,907
8 Claims. (Cl. 210—1)



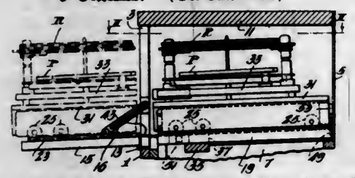
1. Apparatus of the class described comprising, in combination: radiant energy means including a beam of light and a photo-electric cell and amplifier to inspect fluid flowing in a conduit; a conduit to conduct fluid under test through a beam of said energy to a point of delivery; a normally closed deflecting valve located in said conduit between the point of passage of said beam therethrough and said point of delivery; and means actuated by an electrical current set up by response of said inspecting means to passage of a foreign body through its beam to open said deflecting valve whereby to reject the portion of fluid carrying said foreign body.

2,295,367
ELECTRICAL CONNECTING APPARATUS
John H. Sulzer, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 9, 1940, Serial No. 328,644
3 Claims. (Cl. 173—324)



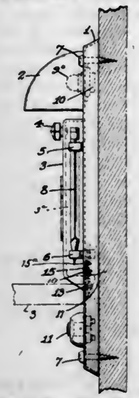
3. A connecting apparatus comprising opposing dielectric members, pivotal means to support the members for relative movement about a common axis, a series of spaced resilient contacts mounted for movement with one of the members and normally lying in a common plane parallel with and spaced from the said member, and means to cause movement of the members about the said axis to move the contacts into engagement with similarly spaced terminals of electrical units, flex the contacts and force the contacts into more intimate engagement with the terminals.

2,295,368
CABINET
John B. Suomala, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1941, Serial No. 391,159
9 Claims. (Cl. 312—22)



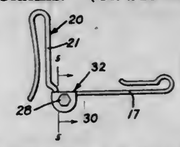
1. A cabinet including a plurality of walls arranged to provide an opening which affords communication between the exterior and the interior of the cabinet, a cover pivotally mounted on one of said walls and adapted to close said opening, said cover being movable from closed relation with said opening to an open position inclined downwardly away from said last-named wall, supporting means in said cabinet inclined therein similarly to and substantially in extension of said cover when said cover is in said open position, a platform adapted to receive an instrument movably mounted on said supporting means and adapted, when said cover is moved into said open position, to move out from said cabinet onto said cover under the influence of gravity, means normally latching said platform within said cabinet against movement out of said cabinet, and means cooperatively associated with said cover for actuating said latch means as said cover is moved toward said inclined position to free said platform for movement out of said cabinet onto said cover.

2,295,369
LIGHTED DOORBELL WITH PAD
Anthony V. Thompson, Detroit, Mich.
Application May 16, 1941, Serial No. 393,829
4 Claims. (Cl. 240—2)



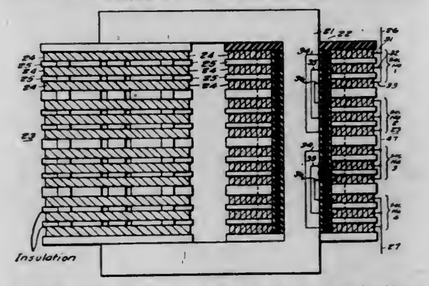
1. In a lighted door bell with pad, the combination of a base adapted to be fastened to the door frame or door, an electric door bell push button on the lower portion of the base, a hinged pad holder mounted on the base in proximity to the push button, spring means normally holding the pad holder in vertical and closed position, a pad carried by the pad holder, a light reflector affixed to the base and positioned to reflect light on the pad holder and push button, one or more light bulbs mounted on the base within said reflector to illuminate the pad and push button, and means carried by the pad holder for closing an electric circuit and lighting one of the light bulbs when the pad holder is swung to an open horizontal position for use in writing on the pad.

2,295,370
CLOTHES HANGER
Charles W. Tritt, Huntington Park, Calif.
Application July 1, 1940, Serial No. 343,346
2 Claims. (Cl. 248—308)



2. A clothes hanger or the like, comprising a horizontal supporting element curled at one end to form a substantially cylindrical loop, a vertical supporting element curled at its lower end to form a loop within which the curled loop of the horizontal element is nested, whereby the loop on the horizontal element may rotate within the loop on the vertical element, an abutment formed at the end of the loop of the vertical element and against which the horizontal element may be supported when the horizontal element is in its horizontal supporting position, retaining flanges carried by the horizontal element and disposed at opposite ends of the curled loops, and a bolt passing through said flange members and the loops, whereby to hold the structure in its assembled position, the outer end of the horizontal element being bent upon itself to form a loop and the upper end of the vertical element being bent upon itself to form a loop.

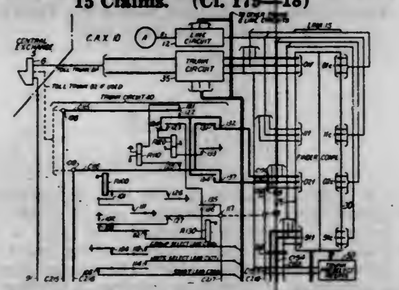
2,295,371
ELECTRICAL APPARATUS
Fred J. Vogel, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 20, 1941, Serial No. 394,269
2 Claims. (Cl. 175—356)



1. Electrical inductive apparatus including a winding comprising a plurality of parallel connected strands, the path of each strand including a plurality of similar disc-type coils spaced along a common axis, said coils being grouped, each group including a plurality of parallel connected strands at the same distance from the points of common connection of the strands, the position of the series connected coils in adjacent

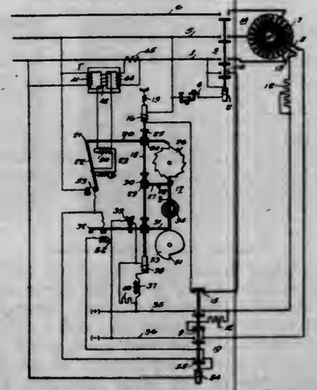
pairs of such groups being transposed in inverse order in the stack of coils, the spacing of the coils of the winding being proportioned to provide a relatively large series capacitance between the winding parts to provide a substantially uniform potential gradient along the winding upon a sudden increase of potential across its terminals.

2,295,372
TELEPHONE SYSTEM
John H. Voss, Downers Grove, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application August 3, 1940, Serial No. 350,465
15 Claims. (Cl. 179—18)



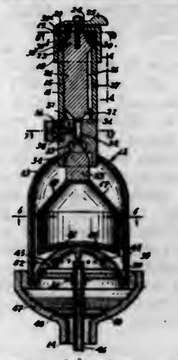
1. In a telephone system, an exchange including automatic finder and connector switches for setting up connections between the lines of the system, the corresponding outlet contacts of said finder and connector switches being conductively connected and being arranged in sets for subscriber line termination, a pair of trunk circuits respectively including trunk sections terminated at sets of said outlet contacts having different directory number designations, a second exchange, a trunk extending from said second exchange to said trunk circuits, and means controllable through said connector switches for selectively connecting said trunk to one or the other of said trunk circuits.

2,295,373
SYNCHRONOUS MOTOR CONTROL
William R. Wickerham, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 9, 1941, Serial No. 373,853
13 Claims. (Cl. 172—289)



2. In a starting system for a synchronous motor, in combination, a synchronous motor having an armature winding, a field winding, and a starting winding, a source of alternating-current; switching means for connecting the armature winding to the source of alternating current to thus start the motor as an induction motor on the starting winding; a source of direct current, switching means for connecting the field winding to the source of direct current to excite said synchronous motor; means responsive to modulations of the current in the armature winding for counting revolutions, a switch operated to close after said last-named means has counted a given number of revolutions, a second switch operated to close when a given phase relation exists between the modulations in the armature current and the alternating-current supply, and means responsive to the simultaneous closure of the two last-named switches adapted to effect operation of the switching means for connecting the field winding to the source of direct current.

2,295,374
AIR VALVE FOR STEAM RADIATORS
Andrew Zarnesky, New York, N. Y.
Application January 7, 1941, Serial No. 373,400
7 Claims. (Cl. 137—122)



1. In an air valve for steam radiators having a tubular casing with an open bottom for attachment on a steam radiator and a combined float and heat responsive device for controlling the passage of air, steam and water from said casing, a tubular member having an inlet passage in one end and having its other end portion internally threaded, a cap closing the threaded end portion of said tubular member and having a top opening and a side opening, a solid stem threadedly mounted within said tubular member and having a bottom valve controlling said inlet passage and also having a frusto-conical top portion within said cap and a head extending through the top opening of said cap, a handle mounted on said head for facilitating the turning of said stem, a groove formed in the side of said stem and selectively alignable in several turned positions of said stem with openings formed in the side of said tubular member, and a compressible washer within said cap cooperating with said frusto-conical top portion for decreasing the passage through the side opening in said cap when said stem is screwed upwards.

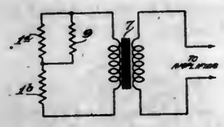
2,295,375
WEED GUARD FOR FISHING LURES
Louis D. Adam, Ponca City, Okla., assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application June 10, 1941, Serial No. 397,442
2 Claims. (Cl. 43—39)

1. An artificial lure having a body, a hook carried by said body, a line attaching member disposed forwardly of said body and secured thereto, a weed guard supporting element centrally bored and provided with an aperture medially thereof, a weed guard consisting of a pair of diverging leg portions, an intermediate yoke portion, said yoke portion being provided with an outwardly extending tongue, the yoke of said weed guard



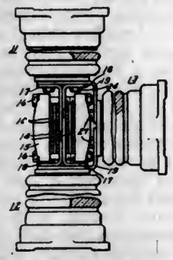
being disposed through the central bore of said support element and the tongue of said weed guard being projected through the said aperture, said weed guard being pivotally mounted upon said lure whereby said weed guard is adapted to have movement towards and away from said hook, said tongue acting as a stop to restrict the amount of movement of said guard towards and away from said hook.

2,295,376
ELECTROACOUSTICAL APPARATUS
Leslie J. Anderson, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 28, 1939, Serial No. 311,371
9 Claims. (Cl. 179—139)



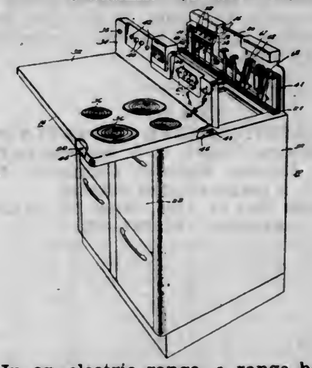
1. In a sound translating system employing a unidirectional microphone having a conductor movable in a magnetic field, said conductor having two sections of unequal sensitivities, the method of increasing the overall sensitivity of said system which comprises reducing the effective impedance of the more sensitive of said conductor sections.

2,295,377
BUS STRUCTURE
Edward T. Arters, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 14, 1941, Serial No. 393,333
5 Claims. (Cl. 174—70)



1. A bus structure comprising, a plurality of insulating supports, a bus bar, a plurality of right angle brackets for adjustably securing the bus bar to the supports, said brackets having elongated openings therein for connection to the bus bar and the supports, and clamping means cooperating with said openings to adjustably secure the brackets to the bus bar.

2,295,378
RANGE PLATFORM
Alfons Barnsteiner, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 29, 1939, Serial No. 311,630
9 Claims. (Cl. 219—37)



3. In an electric range, a range body, a vertically-extending member carried by said range body and projecting above said range body at the rear end thereof, a range platform, a vertically-extending back splasher integral with said platform, said platform and back splasher being supported on said body with said back splasher disposed in front of and adjacent to said vertically-extending member to conceal the same, and means for detachably securing said range platform and back splasher to said body, said platform and back splasher being movable in a direction away from the rear end of said body to afford access to said vertically-extending member.

2,295,379
LOW VOLTAGE PROTECTIVE DEVICE
Edward F. W. Beck, Pittsburgh, and Charles M. Lear, Irwin, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 29, 1940, Serial No. 321,468
4 Claims. (Cl. 201—76)

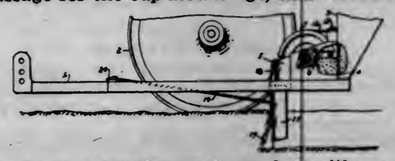


1. An electric discharge device comprising a pair of electrodes of low resistance material separated by a thin porous layer of sodium silicate.

2,295,380
PLANTER
Wallace E. Bland, San Jose, Calif.
Application August 20, 1940, Serial No. 353,395
1 Claim. (Cl. 221—135)

In a device of the character described, the combination with a seed supply bin, a seed receiving chute, and a seed transporting disc having a plurality of substantially circular cups mounted peripherally thereon and operative to transport seed from said bin to said chute; of an arcuate

tube formed to substantially encompass said cups between said bin and said chute and having a longitudinal slot formed in its inner side to form a passage for the cup mountings, said slot having



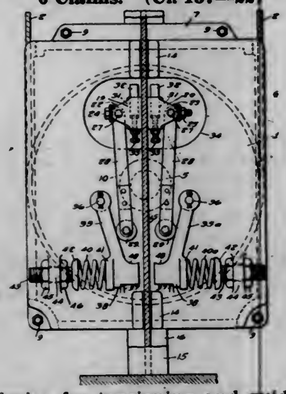
inwardly directed flanges formed on either edge thereof to overlie the sides of the disc, and a strap connecting the tube and bin to prevent rotation of the tube.

2,295,381

COMPENSATING SHEAVE FOR ELEVATORS

Edgar M. Bouton, Nutley, N. J., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois

Application May 15, 1941, Serial No. 393,546
6 Claims. (Cl. 187—22)



1. A device for tensioning and guiding elevator compensating cables comprising a cable receiving sheave, a weight frame supported by said sheave, vertical guide rails for guiding the frame, a plurality of braking rollers, friction clamping means disposed on the guide rails for supporting said braking rollers, means responsive to downward movement of the frame for moving the friction clamping means downwardly on the guide rails, means on said frame for causing the braking rollers to apply a predetermined braking force to the frame when it is lifted by the cables, and spring means for limiting the braking force.

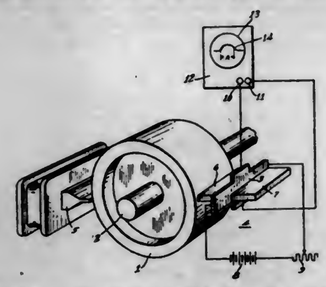
2,295,382

DEVICE FOR MAGNETIC MEASUREMENTS AND INSPECTION

Porter H. Brace, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 12, 1940, Serial No. 345,058
3 Claims. (Cl. 175—183)

1. Apparatus for measuring a variable magnetic field comprising a specimen, means for rotating said specimen, a relatively long and narrow magneto-sensitive Hall element which displays the "Hall effect" spaced closely to said specimen so as to be included in the magnetic field of said specimen, a magnetic pick-up element interposed between said specimen and magneto-sensitive element for directing magnetic flux to said element, a source of energizing potential applied to opposite longitudinal terminals of said Hall element, an oscilloscope and amplifier unit



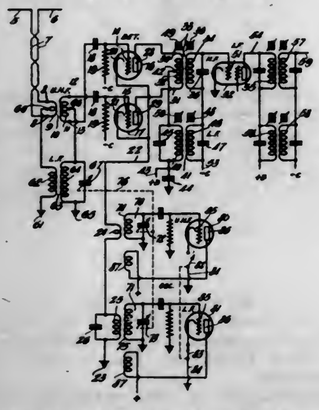
connected to extreme lateral points of said Hall element, said oscilloscope having its sweep circuit synchronized with said rotating specimen, thereby visibly producing a point by point indication of absolute value of magnetic field intensity on said specimen.

2,295,383

TWO-BAND SIGNAL RECEIVING SYSTEM

Wendell L. Carlson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 6, 1941, Serial No. 405,696
3 Claims. (Cl. 250—20)



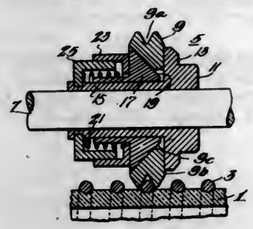
1. A two-band signal receiving system comprising, in combination, a balanced detector comprising a pair of detector tubes having input and output electrodes and a common cathode connection therefor, a high frequency input circuit and a high intermediate frequency output circuit connected in balanced relation respectively to the input and output electrodes of said tubes, each of said circuits having a center tap, an oscillator coupled through said cathode connection to said tubes in parallel, a low frequency input circuit connected through the center tap on said first-named input circuit with the input electrodes of said tubes in parallel, a low intermediate frequency output circuit connected through the center tap on said first-named intermediate frequency output circuit with the output electrodes of said tubes in parallel, and a second oscillator coupled through said cathode connection to said tubes in parallel.

2,295,384

CONTINUOUSLY VARIABLE INDUCTANCE DEVICE

Charles T. Cole, Jr., Drexel Hill, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application April 30, 1941, Serial No. 391,164
2 Claims. (Cl. 171—242)



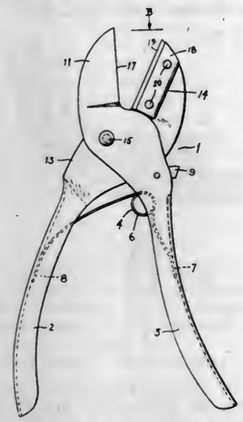
1. In a continuously variable inductance device comprising a space-wound coil having an axis of rotation and a fixed rod mounted parallel to said axis, a trolley comprising a hub slidably mounted on said rod and having a head extending in a direction normal to the axes of said rod and coil, a sleeve slidably mounted on said hub and having a tapered surface extending at an angle with respect to said head, a rim surrounding said hub with its outer surface presented to a turn of said coil and having a complementarily tapered surface presented to the tapered surface of said sleeve, and resilient means on said hub for biasing the tapered surface of said sleeve into contact with the tapered surface of said rim whereby to resiliently center said rim with respect to the axis of movement of said hub.

2,295,385

PRUNING SHEARS

Charles J. Connors, Cleveland, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio

Application June 25, 1941, Serial No. 399,675
6 Claims. (Cl. 30—262)



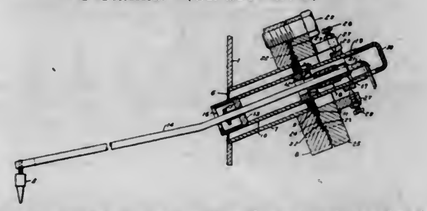
1. In a pruning shears, a pair of pivotally connected interfitting shear members, one of said shear members being provided with a cutting edge, the other of said shear members being provided with an anvil plate, resilient means laterally disposed of said anvil plate and projecting forwardly thereof, said resilient means being secured to said anvil plate, the forwardly projecting portions of said resilient means forming work engaging shoulders.

2,295,386

IGNITER BUSHING

Joseph H. Cox, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 12, 1940, Serial No. 345,084
5 Claims. (Cl. 250—27.5)



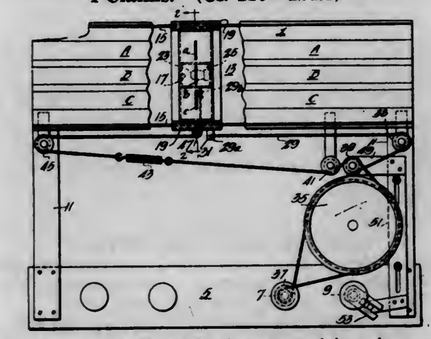
1. An adjustable mounting for carrying a lead-in connection for a make-alive electrode through an opening in a metal container comprising a flange about the opening, a flexible metal diaphragm mounted in vacuum-tight relation to said flange, a reenforcing ring for said diaphragm, a hub welded to said diaphragm, a tubular supporting member rigidly connected to said hub, a lead-in rod extending through said supporting member and said diaphragm, a make-alive electrode mounted on said rod, a glass seal between said rod and said diaphragm, an insulating bushing for holding said rod in spaced relation to said supporting member, a shield for said insulating bushing, a second hub secured to said diaphragm, a tubular guide secured to said second hub and screws contacting said guide member for adjusting the position of the make-alive electrode.

2,295,387

INDICATOR

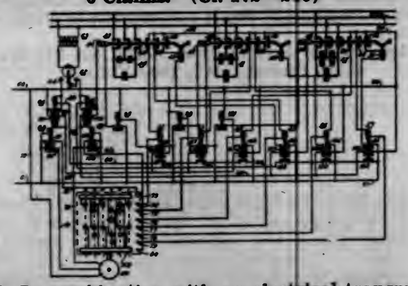
Frederick L. Creager, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 31, 1940, Serial No. 349,027
4 Claims. (Cl. 116—124.1)



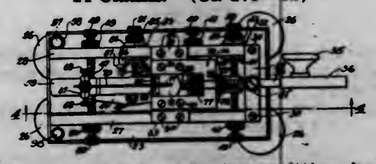
1. A multi-scale indicator comprising, in combination, a dial surface having a plurality of scales thereon, an illuminable pointer and a lamp therefor mounted for movement across said scales, and means for moving said lamp with respect to said pointer to illuminate that portion of said pointer which lies adjacent a selected scale.

2,295,388
AUTOMATIC CONTROL SYSTEM FOR CAPACITORS
William H. Cuttino, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 26, 1939, Serial No. 301,435
6 Claims. (Cl. 172—246)



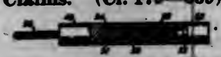
1. In combination with an electrical transmission or distribution line, a plurality of capacitor banks, switch-means for each of said capacitor banks for connecting it to the line, a closing relay-means and a tripping relay-means for each of said switch-means for effecting the operation thereof, controller-means for determining the energization of said closing and tripping relay-means in a predetermined sequence, and means responsive to an electrical condition of the line for energizing said closing and tripping relay-means through said controller-means and for actuating said controller-means.

2,295,389
BALANCED SEMIAUTOMATIC TRANSMITTING KEY
Joel W. Dickinson, Wilmette, Ill.
Application December 24, 1940, Serial No. 371,566
14 Claims. (Cl. 178—32)



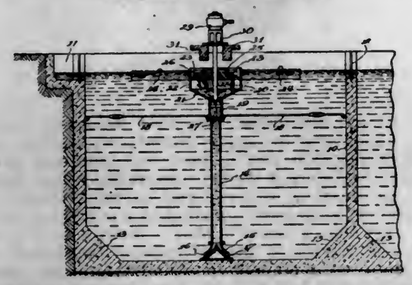
1. In a semi-automatic transmitting key including a frame, a keying-lever having a dash-sending position and a dot-sending position, and an oscillating dot contact member mounted to be placed in oscillation by a movement of the keying lever to a dot-sending position, the oscillating member being mounted with its axis of oscillation at substantially its center of gravity.

2,295,390
ELECTROMAGNETIC DEVICE
Emil Dickten, Jr., Totowa, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1940, Serial No. 344,900
2 Claims. (Cl. 175—339)



1. In an electromagnetic structure, a core of magnetic material, an operating coil thereon and an armature cooperating with said core, said core comprising a continuous intermediate portion of reduced diameter provided with flanged ends and a tubular permanent magnet surrounding said portion with only its polar ends in engagement with the flanged ends of said reduced portion thereby bridging that portion of said core, the coil located to surround the said intermediate portion and magnet whereby said armature is attracted toward said core only when said coil is energized by current of a predetermined polarity.

2,295,391
SEWAGE TREATMENT APPARATUS
Augustus C. Durdin, Jr., Chicago, Ill.
Application December 28, 1939, Serial No. 311,375
8 Claims. (Cl. 210—8)



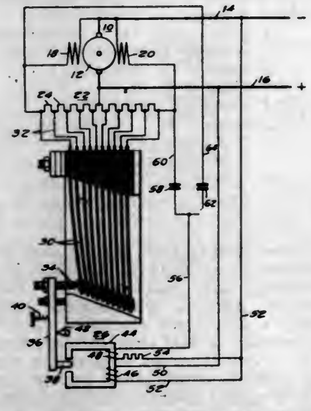
1. Apparatus for treating sewage comprising a tank, propelling means in said tank for circulating and aerating sewage liquid therein, power means for driving said propelling means, means responsive to overload of the propelling means for terminating the drive thereof, and automatic means for causing resumption of said drive after a definite period of stoppage.

2,295,392
VALVE
Boyd C. Eberhard, Akron, Ohio, and Selden T. Williams, Bellerose, N. Y., assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application September 5, 1941, Serial No. 409,628
4 Claims. (Cl. 251—46)



2. A valve for use with plural-chambered rubber inner tubes for pneumatic tires, or the like, and comprising a valve casing, a seat in the valve casing, said casing having a plurality of ports extending to the valve seat, a reciprocable valve plug adapted to engage with the seat and seal off the ports from each other, valve stem means for resiliently supporting the valve plug and for passing fluid to a position adjacent the valve plug, and means for positively moving the valve stem means axially towards the valve seat to engage the valve plug on the valve seat and compress the resilient support therefor.

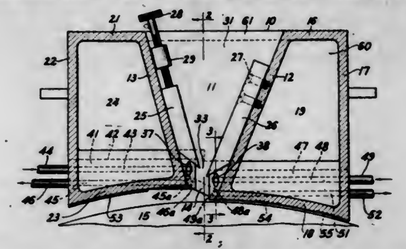
2,295,393
REGULATING SYSTEM
Donald W. Exner, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1941, Serial No. 381,101
5 Claims. (Cl. 171—223)



1. In a voltage regulating system, in combination, a generator the voltage of which is to be regulated, a plurality of shunt field windings for exciting the generator, a rheostat for controlling the voltage impressed on the shunt windings, means for actuating the rheostat, the rheostat actuating means comprising a main control winding responsive to the generator voltage, a second winding and a plurality of capacitors which are connected in parallel circuit relation to each other, the second winding and one of the parallel connected capacitors being connected in series circuit relation with each other and across each of the field windings to respond to the voltage of the field windings whereby current flows in the second winding to change the magnetic field induced by the main winding and control the operation of the rheostat operating means, the magnetic polarity of connections of the second winding being the same as the magnetic polarity of connections of the main control winding when the voltage of the field windings is increasing.

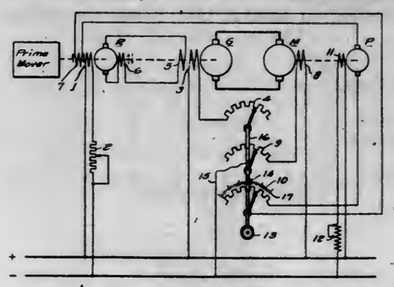
2,295,394
COATING APPARATUS
Charles R. Fordyce, Walker F. Hunter and Karl G. Pleger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 15, 1940, Serial No. 335,336
1 Claim. (Cl. 18—15)

A device for coating solutions onto a moving film casting surface to form a continuous film comprising a hopper adapted to contain a solution, a wide opening in the base of the hopper through which the solution may flow to the casting surface positioned thereunder, sheet forming means operable independently of said opening positioned within said hopper and above said opening and said film casting surface for regulating the thickness of the stream of coating solution flowing from the hopper to the casting surface, and vapor jets positioned above said



opening but below said sheet forming means adapted to surround the stream of coating solution with a predetermined atmosphere.

2,295,395
SPEED CONTROL OF DIRECT CURRENT MOTORS
William H. Formhals, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 26, 1940, Serial No. 362,918
9 Claims. (Cl. 172—239)

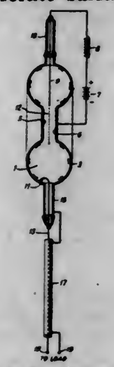


1. An electric control system for maintaining a constant preselected speed of a motor, comprising, in combination, an electric motor having a main winding, a generator for energizing said motor having main and auxiliary speed control windings, a constant potential source for energizing said generator main winding, a regulating generator for energizing the auxiliary winding and having a pair of windings which are wound in magnetic opposition and which are adjusted to have the same ampere turns at "no load" of the motor, voltage generating means driven by said motor, said regulating generator being responsive to a differential effect between said constant potential source and said voltage generating means for circulating a corrective current through said auxiliary speed control winding to maintain the motor at the preselected speed.

2,295,396
ELECTRONIC DEVICE
Roscoe H. George, West Lafayette, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application October 7, 1939, Serial No. 298,365
5 Claims. (Cl. 250—27.5)

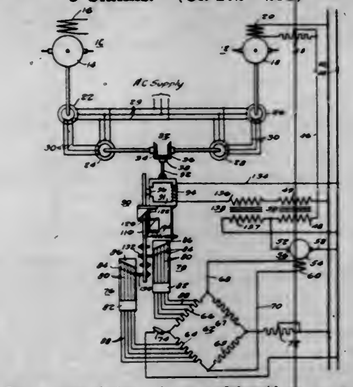
1. An electronic device comprising an evacuated hollow metallic toroidal shell having two parallel imperforate secondary electron emissive surfaces in register with each other, an accel-

erating electron permeable electrode positioned between said imperforate surfaces and a sub-



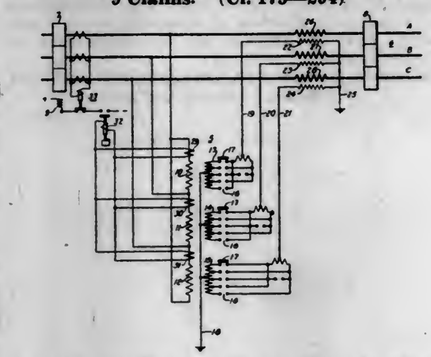
stantially aperiodic inductive coupling member connected to the interior of said shell.

2,295,397
REGULATOR
Ralph A. Geiselman, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 5, 1941, Serial No. 387,044
5 Claims. (Cl. 172—293)



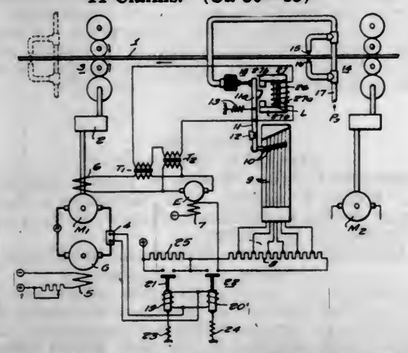
1. In a regulator, in combination, a constant speed reference machine, a dynamo-electric machine provided with a field winding to be regulated, a differential connection disposed between the constant speed reference machine and the dynamo-electric machine, the differential connection being responsive to changes in speed between the reference machine and the dynamo-electric machine, means for exciting the field winding of the dynamo-electric machine, means for controlling the current delivered by the exciting means, an electromagnetic means comprising a core member, an energizing winding carried by the core member and an armature pivotally carried by the core member, the electromagnetic means being carried by the differential and being so disposed that when it is moved by the differential it actuates the means for controlling the exciting current, the energizing winding of the electromagnetic means being responsive to a function of the exciting current for operating the control means for the exciting current thereby effecting a damping of the operation initiated by the movement of the differential.

2,295,398
ELECTRICAL PROTECTIVE DEVICE
Samuel B. Griscom, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 28, 1939, Serial No. 311,335
9 Claims. (Cl. 175—294)



1. In an electrical system, a polyphase regulating transformer including a plurality of closed phase-windings, said phase-windings having a predetermined, normal, symmetrical impedance relationship, a polyphase electrical circuit electrically connected to said transformer, means responsive to a deviation of said phase-windings from said normal, symmetrical impedance relationship, said means including a translating unit, and means responsive to the resultant of electrical currents traversing said phase-windings for effectively energizing said translating unit, and means responsive to a zero-phase sequence quantity in said electrical circuit for rendering said translating unit ineffective for response to said energizing means.

2,295,399
SHEET THICKNESS REGULATOR FOR CONTINUOUS MILLS
Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1940, Serial No. 363,457
11 Claims. (Cl. 80—35)



1. A control system for regulating the thickness of a travelling sheet of material, comprising, in combination, a motor for driving and applying tension to the sheet, pressure responsive means including a source of air supply and a

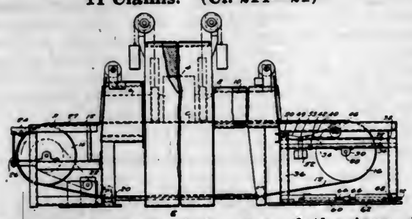
nozzle supplied thereby and located closely adjacent the surface of the sheet which is responsive to the thickness of the sheet for regulating the motor torque, hence the sheet tension and thickness, within a predetermined range, and means responsive to the occurrence of abnormal tension, either above or below said predetermined range, for altering the effectiveness of said thickness responsive means.

2,295,400
TROLLEY DEVICE
Raymond P. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 27, 1940, Serial No. 367,360
11 Claims. (Cl. 191—35)



1. A curved trolley conductor segment comprising, a curved runner member having a guide surface along the lower edge to guide a current collector, a tension member connecting the end portions of the runner member and spaced therefrom intermediate the ends, and end members adjacent the ends of the runner member for connecting the segment in a trolley conductor system.

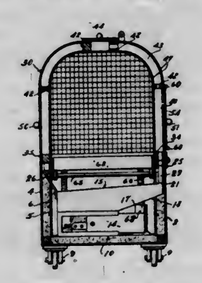
2,295,401
BELT-TENSION CONTROL DEVICE
Elmer K. Hansen, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 20, 1940, Serial No. 319,871
11 Claims. (Cl. 214—21)



1. A heat-treatment furnace of the type described, comprising a substantially horizontal relatively high-temperature heating chamber having a charge-entrance opening at one end and a charge-exit opening at the other end, a driving drum at said one end, a return drum at said other end, a heat-resistant, metallic, endless conveyor wrapped about said drums, said conveyor having one run passing through said chamber for carrying a charge through said chamber, and a return run outside said chamber, driving means for said driving drum, and means cooperating with said return drum for tensioning said one run and automatically increasing and decreasing the tension in said one run responsive to increased and decreased load carried by said one run.

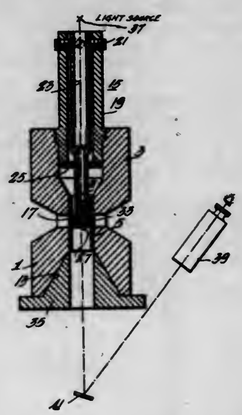
2,295,402
SOLAR BATH CABINET
Henry W. Hildebrand, Maricopa County, Ariz.
Application August 4, 1941, Serial No. 405,381
4 Claims. (Cl. 128—372)

4. A solar bath cabinet having a base, provided with sides and a bottom of double walled heat insulating material, a heating oven in said base provided with a flue having a substantially horizontal heat radiating surface, a pallet positioned within said base and above said oven, means for effecting vertical adjustment of one end of said pallet, an arched hood fitted over said base and hinged there to provide access to



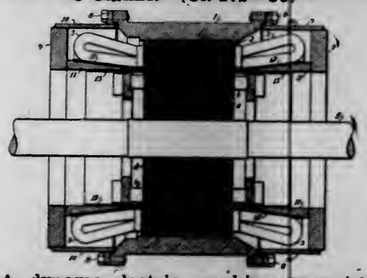
the interior, a double walled covering on said hood of sheet material adapted to pass rays of the sun at the blue-violet end of the light spectrum considered therapeutically beneficial, and arranged to provide draft passageways extending through the sides of said hood connecting at the bottom to said oven flue in said base and extending to the top of said hood, and adjustable draft doors closing the top of said passageways.

2,295,403
APERTURED ELECTRON LENS AND METHOD OF ALIGNMENT
James Hillier, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 15, 1940, Serial No. 365,773
3 Claims. (Cl. 250—49.5)



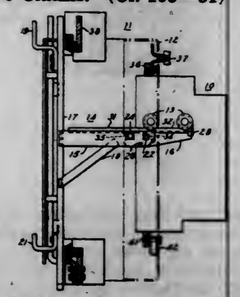
1. An electron lens including pole pieces, an outer tubular member secured coaxially with respect to one of said pole pieces, an inner tubular member adjustably mounted within said outer member, an apertured diaphragm mounted on said inner member and movable therewith into axial alignment with said pole pieces, and means for adjusting said inner tubular member with respect to said outer tubular member and with respect to the axis of said pole pieces.

2,295,404
DYNAMOELECTRIC MACHINE
Francis J. Johns, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 19, 1940, Serial No. 346,245
3 Claims. (Cl. 172—36)



1. A dynamo-electric machine comprising a stator member and a rotor member, the stator member having a frame, an annular, slotted stator core supported in the frame, windings in the slots of the stator core, end brackets at each end of the frame enclosing the ends of the windings, each of said end brackets being of an approximately U-shaped section comprising an outer cylindrical member effecting a substantially gas-tight enclosure with respect to the outer periphery of the stator core, a substantially thick, rigid, annular end-ring substantially hermetically joined to the end of the outer cylindrical member, and a short, substantially thick, rigid, inner cylindrical portion substantially rigidly and hermetically joined to the inner peripheral portion of the annular end-ring of the end bracket, and a relatively thin cylindrical shell extending through the core between the end brackets, said shell fitting closely against the inside cylindrical surface of the core and being joined to the inner surfaces of the inner cylindrical portions of said end brackets to form a gas-tight chamber enclosing the stator core and windings.

2,295,405
ELECTRIC SWITCHGEAR
Floyd D. Johnson, Forest Hills, and Andrew L. Cumming, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 26, 1940, Serial No. 315,702
3 Claims. (Cl. 105—51)

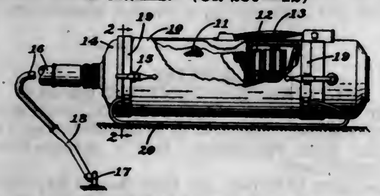


1. A collapsible track comprising a stationary portion and a folding extension portion pivotally secured to and overlapping a portion of the stationary portion, said stationary portion having a rail extending above the top surface thereof, and said extension portion having a rail disposed at its top in alinement with and abutting the rail on the stationary portion.

2,295,406
CARBOCYCLIC NITRILES AND METHODS FOR THEIR PRODUCTION
Samuel Edward Jolly, Prospect Park, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application February 12, 1941, Serial No. 378,682
4 Claims. (Cl. 260—464)

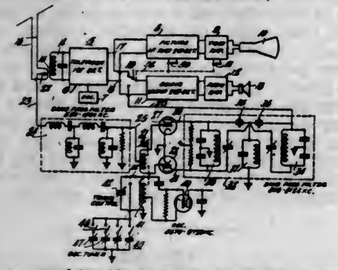
4. The mixed nitriles formed from a mixture of saturated carbocyclic petroleum acids having the generic formula $C_nH_{2n-x}O_2$, where n is a number from 13 to 30, inclusive, and x is an even number from 4 to 10, inclusive; said mixture of acids being recovered from the asphaltic still residue obtained in the distillation of topped crude petroleum over caustic.

2,295,407
VACUUM CLEANER
Albert William Kandetzki, Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application October 6, 1939, Serial No. 298,211
4 Claims. (Cl. 280—12)



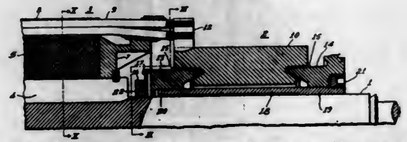
4. In a vacuum cleaner, including an elongated casing, the combination with said casing of means including sleighs for supporting said casing on a flat surface, brackets secured to said casing having openings in the sides, and flexible members located between the ends of said sleighs and said brackets and having projections entering the openings in said brackets.

2,295,408
LOW FREQUENCY TUNING SYSTEM
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1941, Serial No. 404,797
6 Claims. (Cl. 250—20)



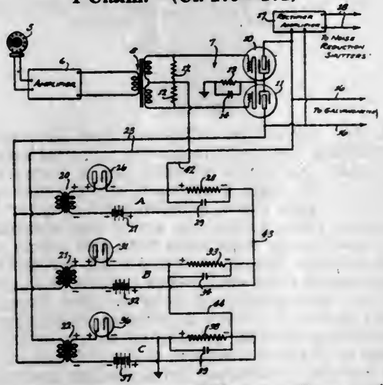
1. The combination with a signal receiving system having a high frequency broad band signal amplifier, of a balanced detector circuit for signals in a low frequency receiving band, means including a high frequency band pass filter providing a balanced output circuit for said detector, said filter comprising piezo-electric resonator elements, means for connecting the high frequency amplifier to said filter as an alternative signal source, a low frequency band pass filter connected with the balanced detector circuit, and means for applying signals to said circuit through said filter.

2,295,409
COMMUTATOR
Edward J. Kreh, Jr., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 17, 1941, Serial No. 402,724
7 Claims. (Cl. 171—321)



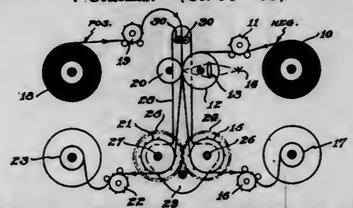
1. A commutator stucture for mounting on the shaft of a dynamo-electric machine, comprising a plurality of commutator bars disposed to form a commutator cylinder and having V-grooves in their ends, oppositely disposed V-rings engaging in the V-grooves of said commutator cylinder, one of said V-rings having a mounting-portion adapted to be mounted directly on the shaft and having a flexible portion which permits it to move axially as the commutator bars expand and contract under the influence of temperature changes, a cylindrical tension-member extending between the V-rings inside the commutator cylinder, means for removably but rigidly connecting one end of said tension-member to said flexibly mounted V-ring, the other end of said tension-member being mounted on the shaft, the second V-ring being supported by said tension-member, and means on said tension-member for holding the second V-ring against the commutator bars whereby said commutator bars are maintained clamped between the V-rings.

2,295,410
SOUND RECORDING AMPLIFIER CIRCUITS
Barton Kreuzer, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application December 1, 1939, Serial No. 307,129
1 Claim. (Cl. 179—171)



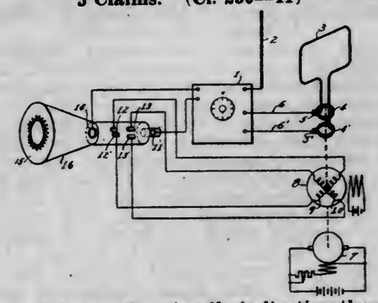
A sound recording amplifier circuit comprising a push-pull variable gain amplifier, a plurality of parallel-arranged rectifiers having their inputs connected in parallel, means for separately biasing each of said rectifiers to provide different operating points, one of said rectifiers operating over a certain range of signal levels, two of said rectifiers operating over another range of signal levels and all of said rectifiers operating over a third range of signal levels, means for connecting the output circuits of said rectifiers in series, said means including a resistance in each of the output circuits of said rectifiers, said resistances having different values, means individual to each resistance for controlling the timing characteristic of each of said rectifier output circuits, and means for connecting said rectifiers to said variable gain amplifier for controlling the gain of said amplifier, the different biases on said rectifiers controlling the amplitude level at which changes in gain variations occur and the different values of resistances controlling the rate of gain variation over the level ranges determined by said different biases.

2,295,411
SOUND FILM PRINTING
Daniel O. Landis, Upper Darby, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application December 28, 1940, Serial No. 372,095
7 Claims. (Cl. 95—75)



3. A sound film printer including a movable arm, a pair of sprockets mounted on said arm, the advancement of the raw film stock rotating one of said sprockets and the advancement of the film from which a print is to be made rotating the other of said sprockets, gears connecting said sprockets, and means carried by said arm for controlling the rate of feed of one of said films with respect to the other of said films past the printing point.

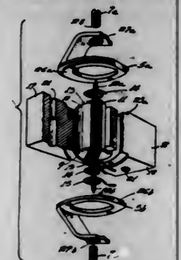
2,295,412
RADIO DIRECTION FINDER
Donald G. Little, Baltimore, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 26, 1940, Serial No. 315,693
5 Claims. (Cl. 250—11)



4. In a system for visually indicating the mag-

nitude and phase relationship of electrical currents, a source of current to be indicated, a cathode ray tube having principal electrodes for producing and directing a beam of cathode rays upon a screen, said electrodes being continuously energized to project a continuous beam on said screen, means for deflecting said beam radially with respect to the center of said screen at a uniform rate in a circular path, and an auxiliary ring-shaped electrode positioned within said tube between said deflecting means and said screen, said electrode having a diameter larger than that of said circular path, and concentric therewith, circuit means for connecting said source between said auxiliary electrode and one of said principal electrodes.

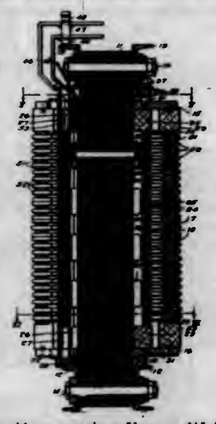
2,295,413
D'ARSONVAL MECHANISM CONSTRUCTION
Lawrence J. Lunas, Cedar Grove, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 13, 1939, Serial No. 299,284
10 Claims. (Cl. 171—95)



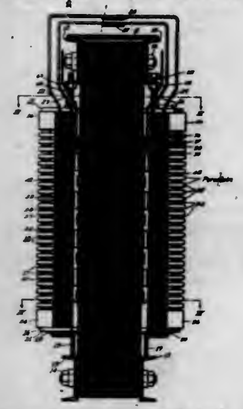
1. In an electrical measuring instrument, a unitary magnetic pole-piece assembly having an opening extending therethrough, a coil assembly positioned in said opening, and means mounting said coil assembly for rotation including a bearing bracket positioned at each end of said opening, said bearing brackets and said pole-piece assembly having coacting surfaces of revolution, each of said coacting surfaces being concentric about the axis of rotation of said coil assembly for properly positioning said coil assembly in said opening.

2,295,414
TRANSFORMER
Gordon R. Monroe, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 3, 1939, Serial No. 288,062
3 Claims. (Cl. 175—356)

1. An air-cooled, air-insulated transformer comprising a core of magnetic material having a vertically positioned winding leg, a frame structure for the core, a substantially circular upper pressure plate and a substantially circular lower pressure plate extending about the winding leg and operatively associated with the frame structure, tubular low-voltage and high-voltage windings spaced from each other and from the winding leg and positioned between said upper and lower pressure plates by means of insulating blocks of vitreous material to provide a non-inflammable structure, said windings and supporting blocks being spaced radially to provide a space between the core and the inner winding and a space between the two windings for a free circulation of air by thermal conduction, the insulating blocks associated with the inner winding having portions extending within the pressure plates for centering them with respect to the winding leg of the core.



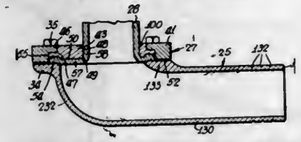
2,295,415
AIR-COOLED, AIR-INSULATED TRANSFORMER
Gordon R. Monroe, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 2, 1940, Serial No. 349,427
5 Claims. (Cl. 175—356)



1. An air-cooled, air-insulated transformer comprising a core of magnetic material having a vertically positioned winding leg, a frame structure for the core, a substantially circular upper pressure plate and a substantially circular lower pressure plate extending about the winding leg and operatively associated with the frame structure, tubular low-voltage and high-voltage windings spaced from each other and from the winding leg and positioned between said upper and lower pressure plates, a tubular insulating and supporting member positioned snugly within the inner of the two windings and a tubular insulating member positioned substantially midway between the two windings in a position to permit free circulation of air between the insulating

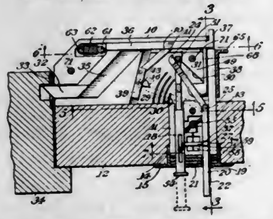
member and each of the two windings, said tubular members and the inner of said two windings extending from the one to the other of the two pressure plates, the outer of said two windings comprising a stack of disc shaped coils spaced from each other and from the outer of the two tubular members by blocks of vitreous insulating material positioned between the coils about the tubular member, said outer winding being spaced from said pressure plates by means of blocks of vitreous insulating material spaced circumferentially along the ends of the winding between the winding and the pressure plates, to provide for free circulation of air by thermal conduction within and about the windings.

2,295,416
PLUMBING CONSTRUCTION
Jacob Madison, Clifton, N. J.
Application December 10, 1940, Serial No. 369,377
3 Claims. (Cl. 4—252)



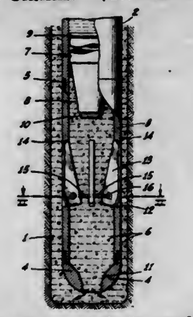
1. Adjustable eccentric connections between the lower end of a stand-pipe to be connected to a water closet and the upper end of a vertical portion of a right angle elbow connected to a vertical soil pipe, said connection including an outwardly extending flange at the upper end of the vertical portion of the elbow, an outwardly extending flange at the lower end of said stand-pipe resting on, but terminating inside of said first-mentioned flange, said second-mentioned flange being eccentric and shouldered at its upper outer periphery and an interiorly shouldered ring of the same exterior dimension as said first flange to engage the shoulder of said second flange, said ring being bolted to said first flange and said second flange being rotatable within said ring, said second flange consisting of an outturned portion integral with the stand-pipe and of a superimposed ferrule rigidly joined to the lower end of said stand-pipe.

2,295,417
LOCK
Clarence J. McCormick, Oakland, Calif.
Application October 11, 1941, Serial No. 414,677
6 Claims. (Cl. 70—144)



1. A lock comprising, a casing, a secondary key permanently assembled with the casing, a primary key adapted to be inserted in the casing having a hinged section provided with combination grooves adapted to be engaged through the secondary key, a combination element in the casing having curved plates reciprocal to said grooves when the hinge of the pivoted section is at the center of curvature of the plates and permitting the secondary key to be pulled outwardly to swing the hinged section upon the plates, means dislodgeable by the primary key upon entering the casing for moving the secondary key outwardly into position to be manually grasped to swing the pivoted section, a bolt in the casing, a slide in the casing connected to the bolt, a spring pressed tooth on the slide overlapping the hinged section when the hinged section is in operative position in the combination element adapted to withdraw the bolt when the secondary key is pushed in to swing the hinged section of the primary key out of the combination element, means for locking the primary key stationary to permit the secondary key swinging the hinged section, means for normally holding the bolt in locked position, means for manually withdrawing the bolt from the inside of the door, means for releasably holding the bolt against manual withdrawal, and a night latch on the casing preventing withdrawal of the bolt by said hinged section.

2,295,418
APPARATUS FOR WELL CEMENTING
Sidney W. Mims, Arcadia, Calif.
Application November 30, 1939, Serial No. 306,868
29 Claims. (Cl. 166—1)

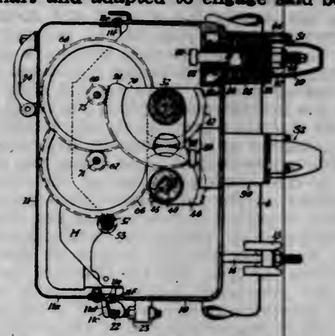


1. In combination, a tubular well string having interposed therein normally retracted but projectable elements adapted to be extended outwardly from various sides of the string and to engage the wall of a bore hole for centering the string therein, a plug adapted to travel down the string and provided with means for projecting said centering elements, and latching means cooperating with said elements for holding the same in projected position.

2,295,419
AUTOMATIC CROSSING GATE
Samuel Miskelly, Downers Grove, Ill., assignor to Western Railroad Supply Company, Chicago, Ill., a corporation of Delaware
Application March 10, 1939, Serial No. 261,103
4 Claims. (Cl. 39—7)

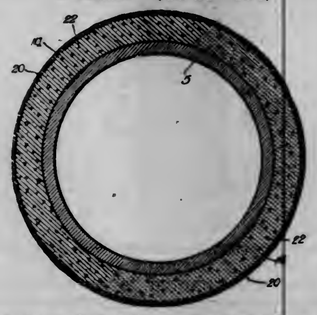
1. In a highway crossing gate, in combination, a housing provided with two cylindrical projections each provided at its outer end with an axial hole, two sleeves one slidably mounted in each of said holes and each provided with a screw threaded axial hole and with a flange at one end, two bolts one screwed into the threaded hole in each sleeve and each provided at its outer end with a nut, two compressed coil springs one surrounding each sleeve between the associated flange and the outer end of the associated projection and each biasing the associated sleeve to an inner position which depends upon the ad-

justment of the associated nut, a rotatable shaft journalled in said housing, means secured to said shaft and adapted to engage said bolts for



limiting the movement of said shaft between two extreme positions, and a gate arm secured to said shaft and rotatable therewith.

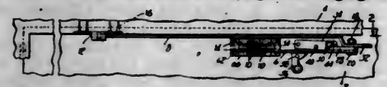
2,295,420
PROCESS OF WRAPPING PIPE
William Davis Moore, Birmingham, Ala., assignor to American Cast Iron Pipe Company, Birmingham, Ala., a corporation of Georgia
Application October 25, 1939, Serial No. 301,268
1 Claim. (Cl. 25—154)



A process of coating pipe which comprises wrapping a strong, coarse meshed, loosely woven, water absorbent fabric under tension spirally around the outside of the pipe, and while the wrapping is going on, depositing wet plastic cement mortar between the fabric and the pipe; the tension being so regulated that part of the cement mortar passes through the interstices of the coarse meshes and envelopes said fabric; said fabric having the property of stretching when wet and to an extent sufficient to compensate for the natural expansion of cement mortar, said fabric drying and contracting with said mortar when it sets, and to the same extent.

2,295,421
DOOR HOLDER
Sigurd P. Morgen, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application March 25, 1939, Serial No. 264,103
7 Claims. (Cl. 292—263)

1. In a door holder, door holding arms, means pivotally connecting the inner ends of said arms, the outer ends of said arms being adapted to be respectively connected with a door and a door case, cooperating stops near the inner ends of said arms adapted to engage to limit the opening movement of the door, a device mounted on the top side of one of said arms acting automatically when said stop members engage to engage over



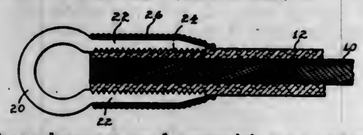
the top side of the other arm to hold the door open, and controllable means for releasing said device, said device when indoor—holding position tending to press the over-lying portions of said arms together.

2,295,422
REVETMENT MAT
John B. Neely and Charles P. Guth, St. Louis, Mo.
Application June 21, 1939, Serial No. 280,253
1 Claim. (Cl. 61—36)



A revetment comprising a plurality of metal units, each unit including side walls and end walls connected to form a hollow construction, each unit further including a brace adjacent each end wall connected to and between the side walls, and means flexibly interconnecting the units having direct connection with the braces, the connecting means being secured to alternate braces to stagger the units.

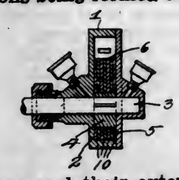
2,295,423
HARNESS CORD FOR LOOMS
Audrey M. Owen, Millbury, Mass., assignor to Warren B. Harris, Millbury, Mass.
Application November 21, 1941, Serial No. 419,935
1 Claim. (Cl. 24—123)



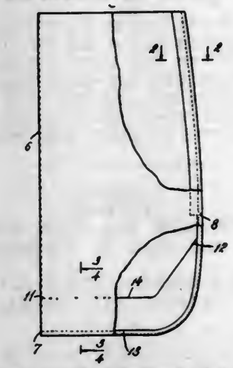
A loom harness cord comprising an outer textile sheath, a reinforcing core of twisted wire strands within the sheath, a metal eyelet having shanks in extensive longitudinal engagement with the opposed outer portions of the sheath, each shank having at least one lug interlocking with the surface portion of the sheath, and a metal ferrule formed of helically wound wire engaging said shanks and the outer surface of the sheath and thus binding the shanks in position and holding the eyelet securely attached to the cord.

2,295,424
PUMP IMPELLER
Frederick C. Picut, West Orange, N. J.
Application December 16, 1941, Serial No. 423,228
1 Claim. (Cl. 103—132)

A rubber pump impeller for rotary pumps, said impeller comprising an annular body having a radial guide extension at one side thereof which is flexed during operation where the extension joins the body, said impeller being formed from a plurality of registering annular members having radial extensions, said annular members and their extensions being formed of rubber, said annular members and their extensions being vulcanized together to form the completed impeller.



2,295,425
POCKET
Wendell J. Potter, Norwalk, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a corporation of New York
Application June 5, 1941, Serial No. 396,671
1 Claim. (Cl. 2—247)



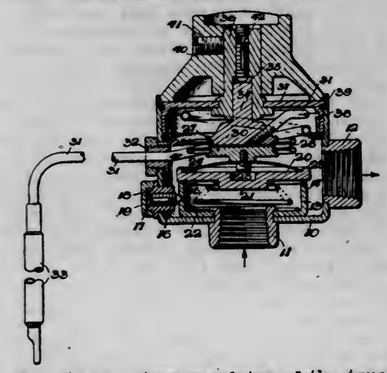
A free hanging pocket formed of a folded piece of fabric, the two sides of the fold being joined by a seam extending from the fold across the pocket and then generally parallel to the fold to the lower end of the pocket opening, with a rubber coating applied to the inner surfaces of the folded sides along the seam at the bottom of the pocket, said coating being limited to an area extending a distance approximating one-fourth the width of the pocket from said seam on each side.

2,295,426
AUTOMATIC SIDE LOCK SLIDER FOR SLIDE FASTENERS
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application May 18, 1940, Serial No. 335,951
6 Claims. (Cl. 24—205.5)



6. In a tabless slider for slide fasteners, a slider body comprising a pair of wing members with side flanges spacedly connected by a wedge at their upper ends with their side flanges forming with said wedge a fastener member guiding channel therebetween, one of said wing members having therein a slot adjacent its lower end extending through one side flange into one side of said channel, an upstanding pivot lug on said last-named wing member spaced laterally from said opening, a locking member pivotally connected to said pivot lug on a longitudinal axis of said lug, said locking member having an upstanding finger piece and a transverse locking arm, said locking arm extending transversely to said opening and terminating in a locking projection directed inwardly of said fastener member guiding channel and aligned with said slot, a terminal extension on said locking projection substantially perpendicular thereto, and yielding means acting between said pivot lug and said finger piece for normally biasing said locking member rockingly about said longitudinal axis to urge said locking projection into alignment with flange portions at each side of said slot while urging the terminal extension of said locking projection into locking position between facing top and bottom surfaces of adjacent fastener members in said channel, adjacent the ends of the legs of said fastener members.

2,295,427
TEMPERATURE REGULATOR
Louis M. Puster, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application July 12, 1940, Serial No. 345,223
19 Claims. (Cl. 236—99)



1. In a temperature regulator of the type employing a thermostatically controlled valve mechanism which may be subjected to fluctuations of temperature at or adjacent to said valve mechanism, in combination with a thermostat, a single means associated with the thermostat and constituting a combined compensating thermostat for said temperature variations and the sole provision for absorbing overrun of the thermostat after the valve member has engaged its seat, said means comprising cooperating members which move relatively to each other both for compensating temperature variations and for absorbing overrun.

2,295,428
DIRECTION SIGNAL LAMP FOR MOTOR VEHICLES
Henry J. Sauer, Fairfield, Conn., assignor to The Kilborn-Sauer Company, Fairfield, Conn., a corporation of Connecticut
Application November 25, 1938, Serial No. 242,393
1 Claim. (Cl. 177—329)

In a direction signal lamp, a base member comprising an intermediate portion, end portions extending longitudinally therefrom at each side, a pair of lamp bulb supporting socket members

carried upon said base member at the inner ends of said end portions, a cover member having a front wall and side walls and removably secured to said base member, said cover member including an intermediate portion and end portions extending longitudinally therefrom at each side, said end portions having lens receiving walled apertures and said intermediate portion constituting an opaque spacer between said apertures, a pair of lens members respectively engaged in said apertures, each having a shoulder engaging the wall of said aperture and an outwardly extending relatively narrow flange portion projecting beyond said aperture at the under side of said cover member, the inner ends of said flange portions of said lens members being spaced from each other longitudinally by and being at each side of said cover member intermediate portion, a single retaining plate member disposed within said cover member having an intermediate portion and end portions having longitudinally aligned outer end portions, said plate member end portions engaging the flanges of said lens



members and having light emitting openings within the outlines of said lens receiving apertures, said plate member intermediate portion being rearwardly spaced from said cover member intermediate portion whereby a free space is provided between them, longitudinally aligned securing means at the longitudinally aligned outer ends of said plate member end portions secured to the cover member end portions longitudinally outwardly of said apertures to secure the outer ends of said pair of lenses in said apertures, and intermeditae bolt means longitudinally aligned with said securing means connected between said plate member intermediate portion and said cover member intermediate portion adapted through said free space to draw said plate and cover member intermediate portions toward each other whereby the inner ends of said lens members are tightly pressed into relation with the underside of said cover member under tension set up in said plate member between said longitudinally aligned securing means by said drawing action of said intermediate longitudinally aligned bolt means.

2,295,429
METHOD OF TREATING FABRIC AND PRODUCT THEREOF
Lorin B. Sebrell, Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 25, 1939, Serial No. 291,894
6 Claims. (Cl. 8—136)

1. A method of treating fabric to improve the wearing qualities thereof which comprises applying to the fabric a composition containing paraffin, stearic acid, lanolin, soluble oil, gelatin, acetanilide, glycerine, acetic acid, dextrin, diastase, aluminum acetate, hexamethylene tetramine and water.

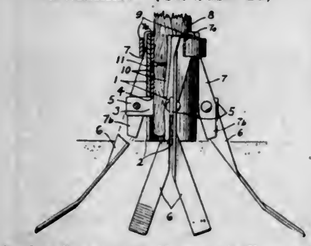
2,295,430
ADVERTISING DEVICE
Philip W. Seewald, Clinton, Mich., assignor to John H. Gorsuch, Detroit, Mich.
Application February 12, 1940, Serial No. 318,512
4 Claims. (Cl. 40—139)

1. In an advertising device, an animated sign representing a human being, said sign including a base having the shoulders and neck portions shown thereon, and a head portion showing the face with the empty eye recesses and the upper teeth without the upper lip, said head portion being adapted to move relative to said shoulders and neck portion, an upper lip portion passing



through a slot in said head portion and movable relatively thereto and to said shoulders and neck portion, and an eye piece having eye pupils shown thereon, said eye piece being operatively mounted normally to register with the eye recesses of said head portion and to move both transversely and vertically with respect thereto.

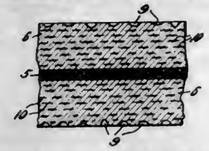
2,295,431
ANCHOR
Ralph H. Shepard, New York, William Haas, Yonkers, and Paul A. Schwartz, Flushing, N. Y.
Application February 6, 1940, Serial No. 317,518
4 Claims. (Cl. 248—44)



4. A device for supporting a staff or similar article and manually releasably anchoring it to the ground, which consists of a tubular holder with radial lugs projecting therefrom and arms pivotally mounted on said lugs intermediate their ends and adapted to be driven through the top surface of and into the ground and while being so driven to automatically follow diverging paths, other arms pivotally mounted on said lugs and adapted to retain said staff in said holder, and restraining means for locking the first-mentioned arms in position for anchoring said holder to the ground and for holding said other arms in engagement with said staff to prevent withdrawal of said staff from said holder.

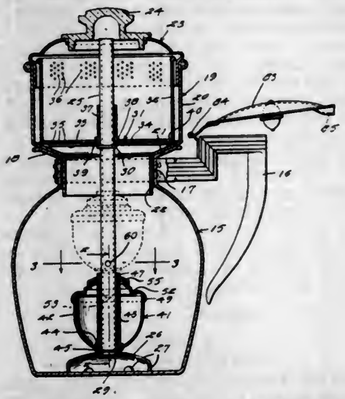
2,295,432
BELT
Wesley L. Smith, Bedford, Va., assignor to Salta Corporation, Jersey City, N. J., a corporation of Delaware
Application July 3, 1941, Serial No. 401,046
4 Claims. (Cl. 74—232)

4. A belt consisting of a strong fabric impregnated with soft rubber, each of whose surfaces is coated with a layer of soft, substantially solid rubber containing almost wholly collapsed closed



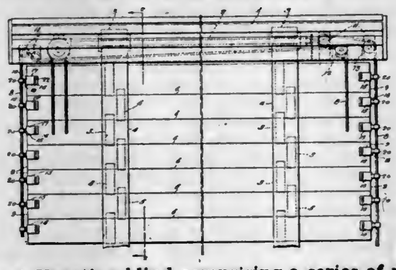
cells and whose outer surface is pitted with vacuum cups.

2,295,433
COFFEE PERCOLATOR
Benjamin J. Steinmetz, Cedarhurst, N. Y.
Application April 21, 1941, Serial No. 389,643
17 Claims. (Cl. 219—44)



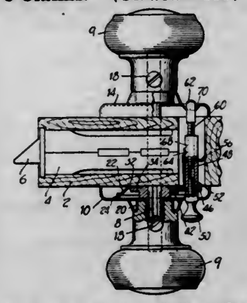
1. In a beverage brewing apparatus, a fluid conducting tube open at each end and having a by-pass opening upwardly from the lower end thereof, a dome member at the lower end of said tube, a perforate brew material holder carried by the tube adjacent the upper end thereof, and a hollow initially buoyant regulator slidable on said tube, said regulator having means at the upper portion thereof for admitting a predetermined quantity of brew drippings from said holder into said regulator whereby said regulator will gravitatingly lower on said tube and effect outlet of the liquid in said tube through said opening.

2,295,434
VENETIAN BLIND
Walter J. Stuber, Philadelphia, Pa., assignor to Carey-McFall Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 23, 1941, Serial No. 394,928
7 Claims. (Cl. 156—17)



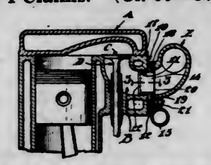
1. A Venetian blind comprising a series of vertically spaced horizontal slats, a pair of cords extending vertically adjacent the opposite ends respectively of the slats, a series of rings through which said cords pass, a series of spring clips detachably mounted on the ends of the slats, means pivotally connecting said rings to said clips respectively, each clip comprising a pair of substantially parallel legs frictionally engaging the opposite faces respectively of the slat on which the clip is mounted, and a cross piece connecting said legs and engaging the end surface of the slat, each ring comprising an offset flat portion in parallel abutting relation to the cross piece of the clip, and said pivotal connecting means comprising a rivet passing through said flat portion of the ring and said cross piece of the clip.

2,295,435
DOOR LOCK AND LATCH
Ernest L. Teich, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application May 11, 1939, Serial No. 272,948
3 Claims. (Cl. 292—359)



1. In a latch structure of the class described the combination of escutcheons for attachment to opposite sides of a door, a rotatable knob spindle extending through the escutcheons, a dead-locking device extending through apertures in the escutcheons and adapted to be moved longitudinally in opposite directions, cooperating devices on said spindle and said dead-locking device adapted to operatively engage and disengage to lock and unlock the spindle upon said dead-locking device being shifted in opposite directions, a member on one end of said dead-locking device adapted to be grasped by the fingers to thus move the dead locking member in opposite directions, and a member on the other end of said dead-locking means adapted to be engaged by the fingers to move said dead-locking device from locking to unlocking position but inaccessible to move said device from unlocking to locking position.

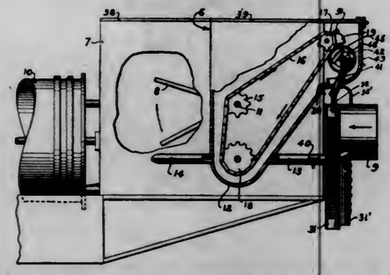
2,295,436
INTERNAL COMBUSTION ENGINE
Max Tendler, Los Angeles, Calif.
Application July 3, 1940, Serial No. 343,812
4 Claims. (Cl. 60—30)



1. An apparatus for eliminating noxious com-

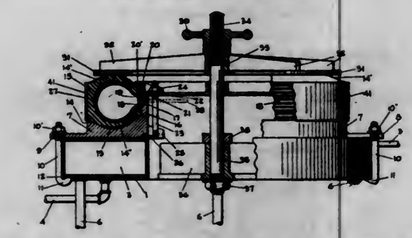
ponents of exhaust gases in internal combustion engines, including an open ended tubular member adapted to extend into the discharge end of an exhaust port of such an engine and to establish an unrestricted exhaust gas passageway from the port to the exhaust manifold, said member being adapted to be spaced from the wall of the port to form an air chamber extending into the discharge end of said port, means for supplying air to said chamber, and means in association with said member for defining an outlet within said discharge end for discharging air inwardly from said discharge end, said outlet being arranged to lie sufficiently close to the portion of the port into which flames extend from the engine cylinder to insure that the portions of the exhaust gases into which the air is discharged will be ignited by said flames.

2,295,437
SAMPLING DEVICE
Lonnie L. Thompson, Iowa Park, Tex., assignor to Thompson Tool Company, Inc., Iowa Park, Tex., a corporation of Texas
Application October 21, 1938, Serial No. 236,307
4 Claims. (Cl. 73—21)



2. A sampling device comprising a casing having means for directing fluid thereinto for settling solid particles from said fluid, a receptacle associated with the casing, an endless device having a bucket carried thereby for dipping settled particles in the casing and directing the same into the receptacle, a rotatable tumbling device associated with the casing, means for directing particles from said bucket into said tumbling device, washing means for said tumbling device, and a second receptacle in position to receive particles from the tumbling device.

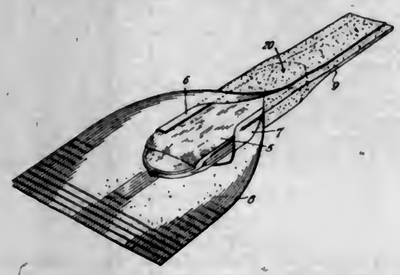
2,295,438
TIRE CASING VULCANIZER
Kenneth G. Vaniman, Wichita, Kans.
Application June 30, 1939, Serial No. 282,233
4 Claims. (Cl. 18—18)



3. In a vulcanizing device for side walls of tire casings, an annular matrix for one side wall of the casing extending from one bead to the tread thereof, a heating means underlying the matrix, an upstanding annular bead retaining rim on said matrix, a reduced upstanding annular portion on said bead retaining rim providing an annular shoulder above said bead retaining rim, tire bead retaining means including a rim adapted to slidably engage the outer peripheral surface of the reduced upstanding annular portion on said first mentioned bead retaining rim, securing means for said bead retaining means adapted to draw said second mentioned rim down about the reduced portion of the first mentioned rim into close contact with the annular shoulder, and including bifurcated lugs on said second mentioned rim, and bolts pivotally mounted in the matrix for upward swinging into said lugs and tightening against the same.

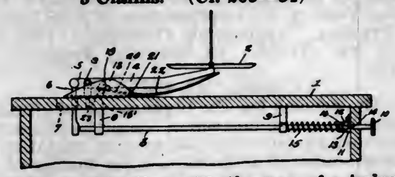
4. In a vulcanizing device for side walls of tire casings, a circular matrix for one side wall of the casing, a matrix heating means, means for removably securing the tire casing in the matrix, tire tread restraining means, means for applying pressure against the side wall of the casing opposite the matrix, said last means comprising an annular member resting on the side wall of the casing opposite the matrix, a spider resting on the annular member, said spider including a central hub, a shaft securely anchored to said heating means and passing through said central hub, said hub being slotted to permit the spider to be transversely slidable with respect to the shaft, and a screw member threadedly engaging the shaft and adapted to force said spider and annular member downwardly against the side wall opposite the matrix.

2,295,439
SANITARY NAPKIN
Edward H. Voigtman, Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application February 8, 1939, Serial No. 255,276
6 Claims. (Cl. 128—284)



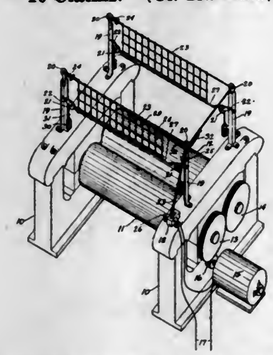
1. A sanitary napkin comprising an elongated absorbent pad, and a wrapper enclosing the pad and having extensions beyond the ends thereof constituting attachment tabs, said wrapper being adapted to support the pad by attachment of said tabs to a belt or other supporting element, and said wrapper comprising a layer of soft, fibrous material characterized by its anti-chafing quality and inadequate tensile strength for said enclosing and supporting functions of the wrapper, a plurality of threads disposed in spaced relation over a surface of said layer of fibrous material, and a plurality of relatively spaced stripes of cementitious material applied to said fibrous material layer and disposed transversely of said threads, said threads and stripes serving to supply adequate tensile strength to said layer of fibrous material for the purpose set forth.

2,295,440
BALANCE STARTER
Frank R. Wassberg, Coleraine, Minn.
Application March 31, 1941, Serial No. 386,193
5 Claims. (Cl. 265—54)



1. The combination with the pan of a balance, of a balance starter including a lever positioned to engage the bottom of the pan, a resilient starting member tiltably supported below the pan, means for swinging the lever away from the pan, and means operated by the lever during the latter portion of said movement for thrusting said member against the pan.

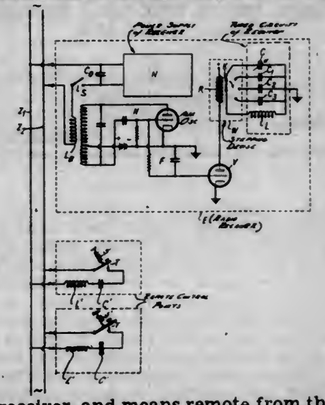
2,295,441
SAFETY DEVICE
Arthur J. Wiedinger, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application May 16, 1940, Serial No. 335,533
10 Claims. (Cl. 192—133)



1. In combination with a machine having exposed moving parts representing a hazard to an operator working on said machine, of power means for driving said machine, a control member or the like extending a substantial distance across the operator's side of the machine, a network of cords or the like suspended from said control member adjacent the operator's position at said machine, actuating means operable to render said power means ineffectual to drive said machine, and a connection between said control member and said actuating means for operating said actuating means when said control member is either pulled or actuated by pulling on any part of said network.

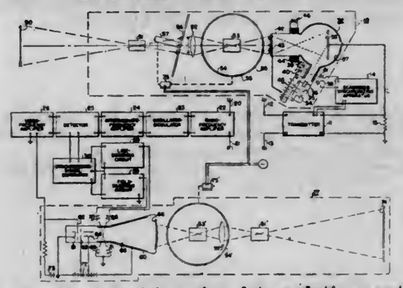
2,295,442
REMOTE CONTROL DEVICE
Karl Wilhelm, Berlin, Germany, vested in the Alien Property Custodian
Application June 19, 1940, Serial No. 341,283
In Germany January 25, 1939
5 Claims. (Cl. 250—40)

2. In remote control apparatus operable from a power supply line for controlling the operation of a radio receiver, a discharge tube oscillator which is normally in the oscillating condition, means for coupling the oscillator to the power supply line, a control tube coupled to said oscillator adapted to draw current only when the oscillator is in its non-oscillating condition, a magnetic relay included in the anode circuit of the control tube for adjusting the tuning of the



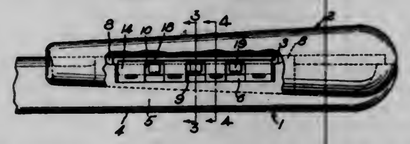
radio receiver, and means remote from the receiver adapted upon being connected across the power supply line to disable the oscillator whereupon the control tube becomes operative to energize the magnetic relay which in turn becomes operative to adjust the tuning of the receiver.

2,295,443
TELEVISION SIGNAL-TRANSLATING SYSTEM
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application April 23, 1941, Serial No. 389,860
13 Claims. (Cl. 178—5.2)



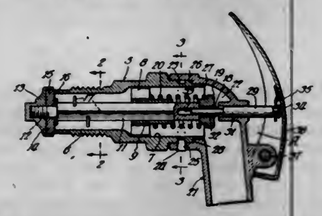
1. A color television signal-translating system comprising, a cathode-ray tube including a target, means for successively scanning said target with an electron beam in a series of similar fields of spaced parallel lines, optical means associated with said target for forming an image of the translated television picture, means for changing the color of light associated with each line a given interval after such line is scanned and for maintaining said color associated with said line until said line is next scanned by said beam, means included in said optical means for effectively displacing the image associated with each line with respect to said scanning lines a given interval after said line is scanned and for maintaining said image displaced until said line is next scanned by said beam, thereby effectively to provide interlacing of the scanning lines of the translated image, and means for blocking the image to each line when changing the color of light and displacing the image associated with each line.

2,295,444
FASTENER FOR HANDLES AND OTHER INSTALLATIONS
Clement A. Woodward, Dedham, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application July 20, 1940, Serial No. 346,607
1 Claim. (Cl. 16—110)



A handle installation comprising, in combination, an elongated handle, said handle having an elongated opening which opens along a longitudinal side thereof, a supporting shaft having an elongated metal preformed portion on one side thereof extending longitudinally of said shaft and disposed within said opening, said preformed portion having overhangs extending along opposed sides thereof and terminating short of each of opposed ends thereof, a fastener disposed within said opening securing said handle to said shaft, said fastener having a base and pairs of opposed yieldable portions extending on one side of said base, said pairs of yieldable portions being spaced laterally one from another, projections extending inwardly from said yieldable portions and engaging in snap fastener action behind said overhangs whereby said fastener is secured to said shaft, and yieldable attaching portions integrally joined to said fastener between said pairs of spaced portions and extending away from said base, said last-mentioned attaching portions being movable independently of said first-mentioned attaching portions and having free edges in biting engagement with the walls of said handle within said opening whereby said parts are secured in assembly.

2,295,445
FAUCET
Rudolph J. Anschicks, Chicago, Ill., assignor to Protectoseal Company of America, Inc., Chicago, Ill., a corporation of Illinois
Application June 10, 1940, Serial No. 339,607
3 Claims. (Cl. 251—134)

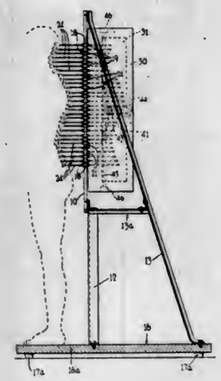


1. In a device of the class described and in combination, an elongated hollow tube-like body member adapted to extend through the wall of a receptacle, a valve adjacent the inner end of said member, a spout having a shoulder thereon rotatably mounted on the outer end of said member, said member having a shoulder engageable with the shoulder on said spout and having an end portion extending beyond said last mentioned shoulder, means for urging said shoulders towards each other, and actuating means mounted on said spout and operatively related to said valve.

2,295,446
MANUFACTURE OF TRIMETHYL-PARA-BENZOQUINONE
Robert Behnisch, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 3, 1940, Serial No. 317,129. In Germany February 24, 1939
4 Claims. (Cl. 260—396)

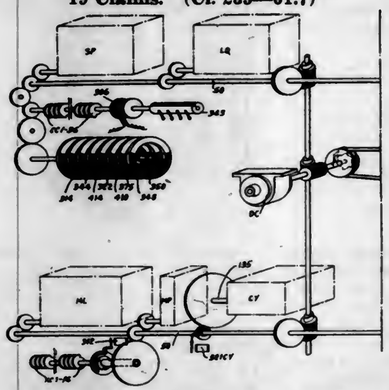
1. The process for the preparation of trimethyl-para-benzoquinone which comprises subjecting 1-amino-2,3,5-trimethyl-benzene to oxidation in aqueous mineral acid solution by means of an oxidizing agent of the group consisting of manganese dioxide, lead dioxide, chromium trioxide and the salts of chromic, dichromic and permanganic acid.

2,295,447
MEASUREMENT DEVICE
William Bierman, New York, N. Y.
Application October 26, 1939, Serial No. 301,397
1 Claim. (Cl. 33—175)



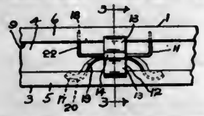
A device of the class described which is adapted to record the lateral curvature of the spine or other body parts on a record sheet, said device comprising a plurality of rod members of equal length, means for supporting said rod members in parallel relationship, said last named means including means whereby said rod members may be selecttively spaced from each other, said rod members being additionally axially movable, a pin member carried by each of said rod members for movement therewith, said pin members being disposed in parallel relationship and movable relatively to said rod members in a direction at right angles to the directions of movement of said rod members, the relative positioning of said pin members being a measure of the antero-posterior curvature of the spine or other body parts, the relative positioning of said rod members being a measure of the lateral curvature of the said spine or other body parts, means for recording said lateral curvature, a recording means comprising means to support said record sheet underneath adjacent ends of said rod members, and means for pressing said last named rod member ends against said sheet.

2,295,448
DIVIDING MACHINE
James W. Bryce, Glen Ridge, N. J., and Arthur H. Dickinson, Scarsdale, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application June 10, 1938, Serial No. 213,044. Divided and this application July 13, 1939, Serial No. 284,188
19 Claims. (Cl. 235—61.7)



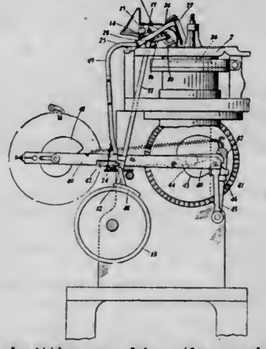
1. A card controlled calculating machine including dividing mechanism having record controlled term receiving devices for the divisor and dividend terms and also having quotient receiving devices, means to sense and distinguish master and detail cards, means controlled by the last mentioned means upon the sensing of master cards to cause the divisor term to be entered in its receiving device only from such master cards, and means controlled by the sensing and distinguishing means upon the sensing of detail cards to cause dividend terms to be entered in its receiving device only from such detail cards, and means controlled by the sensing and distinguishing means to control the dividing mechanism whereby calculations are performed with divisor terms derived from master cards and dividend terms derived from detail cards whereby rate dividing operations may be performed.

2,295,449
FASTENER MEMBER AND FASTENER INSTALLATION
Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application June 13, 1939, Serial No. 278,863
4 Claims. (Cl. 189—88)



1. In combination with a hollow part having a substantially flat bottom face and a top face including a curved portion, said part having a longitudinal slot in its bottom face; of a fastener member for securing said part to an apertured support, said fastener member comprising a shank including two spaced legs for engagement with the support through the aperture thereof and a head for snap-fastener engagement with the hollow part through the slot therein, said head comprising opposed pairs of attaching ears, one pair of ears each being substantially flat and disposed in planes normal to the surrounding wall of the hollow part, and having upper arcuate edges to conform generally to the curved portions of the hollow part, a second pair of attaching ears formed as angular extensions from the free end of the opposed leg, said angular extensions being bent outwardly from the first pair of ears to form a bow which is resiliently yieldable in a direction transverse to said head, one of said pairs of ears being freely insertable into the interior of the hollow part through the slot therein and the other pair of ears being passable through said slot by laterally shifting the head and flattening of the bowed ears, permitting the head to be fastened in the hollow part by a snap-action with the first named pair of ears making line contact with the inner wall of the hollow part throughout a substantial portion of their length and the second named ears making edge contact with the inner wall of said part at spaced points on a cross-sectional periphery thereof.

2,295,450
KNITTING MACHINE
Bernard Thornton Cole, Burbage, England, assignor to B. Toone (Nottingham) Limited, Nottingham, England
Application June 21, 1940, Serial No. 341,771
In Great Britain June 23, 1939
20 Claims. (Cl. 66—134)

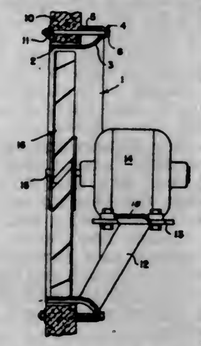


1. In a knitting machine, the combination with needles, means for operating them to knit, means including a feeder for feeding a knitting yarn to the needles for a portion of successive courses and for withdrawing it at the end of said portion in each said course, and a severing device for severing the withdrawn yarn at each withdrawal, of means for shortening, subsequent to severance, the length of the severed end of yarn protruding from the feeder for re-introduction to the fabric.

2,295,451
FAN MOUNTING
Archibald H. Davis, Jr., Rock Island, and Edwin O. Martinson, Moline, Ill., assignors to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application July 31, 1939, Serial No. 287,530
2 Claims. (Cl. 230—117)

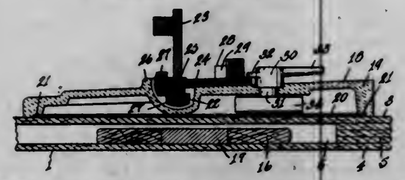
1. A fan mounting adapted for mounting a motor-driven fan in a duct line comprising an inlet duct, an outlet duct, and an annular ring of U-shaped cross section, one leg of the U adapted to support the inlet duct, the other leg of the U to support the discharge duct, the wall

between said legs being tapered to serve as a flaring entrance ring, the U-shape serving both as an entrance ring for a fan and as means of se-



curing a support rigid enough for mounting a spider that supports the fan concentric with the annular ring.

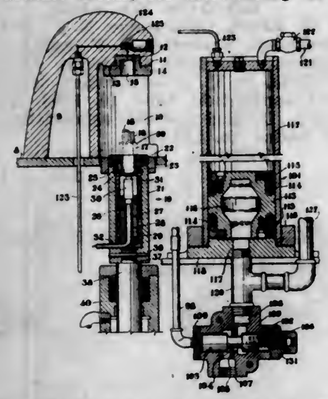
2,295,452
GAME APPARATUS
Charles U. Deaton, Centralia, Ill.
Application May 19, 1941, Serial No. 394,111
7 Claims. (Cl. 273—134)



5. In a game, a game board having indicia thereon, a game piece adapted for manipulation relative to such indicia, a plurality of polarized actuating magnets shiftable for unpredetermined positioning relative to said indicia, a signal carried by said game piece and provided with means for actuating it to signaling position, means confining the movement of said magnets relative to said indicia and maintaining said magnets in operative relation to the game piece, a trigger for retaining said signal in retracted position, and a magnet for actuating the trigger whereby when the game piece is manipulated into actuating juxtaposition to one of said actuating magnets, the trigger is actuated.

2,295,453
MACHINE FOR TESTING SPARK PLUGS
William C. Denison, Jr., Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application August 9, 1941, Serial No. 406,151
14 Claims. (Cl. 175—183)

1. Apparatus for testing engine spark plugs, comprising a body having an open-ended testing chamber formed therein, a holder in which a spark plug to be tested is removably positioned, hydraulic means for moving said holder and a spark plug carried thereby to a position in which the electrodes of the spark plug are disposed in said chamber and with the body of the spark plug maintained in pressure contact with the open end of said chamber to seal the latter against fluid escape, and an air compressor actuated by said hydraulic means for introducing air under



superatmospheric pressure into said chamber when the latter is closed by a spark plug.

2,295,454
PROPELLER BLADE
Pierino Di Cesare, Oak Park, Ill., assignor to Di Cesare Offset Propeller Corporation, Chicago, Ill., a corporation of Illinois
Application January 22, 1940, Serial No. 314,907
1 Claim. (Cl. 144—309)

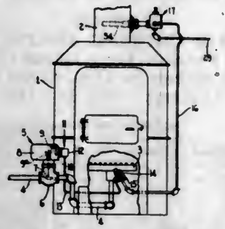


The method of constructing a propeller blade of laminated wood impregnated with a resin and compressed to form a compact laminated wood blade of great inherent strength and resistance to distortion or damage under operating conditions, comprising the steps of forming a rectangular slab of laminated and resin impregnated wood, forming complementary strips of similar laminated and resin impregnated wood tapering in thickness from end to end and of less length and width than the rectangular slab, adhesively applying said strips to the opposite faces of the rectangular slab at one end thereof in such manner that the ends of said strips having the greatest thickness are joined to the adjoining end of the slab to form the thickened shank end of the propeller blade with a strip on one side of said rectangular slab having one of its longitudinal edges aligned with a longitudinal edge of the slab and a strip on the opposite side of said slab having one of its longitudinal edges aligned with the opposite edge of the slab, and forming the shank and finished blade from the composite slab and strips.

2,295,455
CONTROL SYSTEM
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Original application August 5, 1937, Serial No. 157,584. Divided and this application November 8, 1939, Serial No. 303,362
6 Claims. (Cl. 126—351)

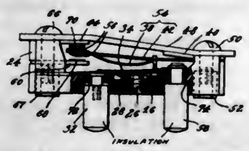
5. In a heating apparatus having a combustion chamber with a stack leading directly therefrom, a container for liquid to be heated and positioned in the combustion chamber, a main fuel burner for supplying heat to said chamber thereby to

heat the liquid in said container, a main valve controlling the supply of fuel to said main burner, a thermostatic means operable when heated to a predetermined temperature to permit said main valve to be in an open position and operable below said predetermined temperature to hold said main valve in a closed position, a second burner operable to heat said thermostatic means to said predetermined temperature, a control valve carried by the stack adjacent the outlet of said chamber thereinto and operable to control the flow of fuel to said second burner, thermostatic



means positioned within said stack adjacent said outlet and mechanically connected to and holding said control valve in an open position, said last-named thermostatic means being operable upon high temperature of the combustion gases entering said stack corresponding to a predetermined low liquid level in said container to release said control valve, and means operable upon release of said control valve by said last-named thermostatic means to move said control valve to closed position.

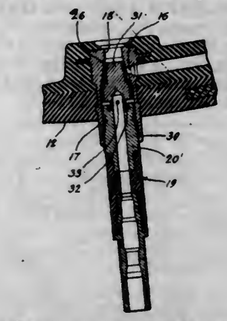
2,295,456
CONTROL APPARATUS
Malcolm W. Eaton, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 350,732
6 Claims. (Cl. 200—138)



1. In combination, a spring snap mechanism including a thermostatic bimetal strip for actuating said snap mechanism back and forth, stops for limiting the snap motion of said mechanism, whereby said mechanism snaps back and forth between said stops in response to rise and fall of the temperature of said bimetal element between predetermined values of temperature, a first manually actuable means for operating said mechanism to snap it in one of the two directions between its stops, and second manually actuable means for snapping said mechanism in the other direction between its stops.

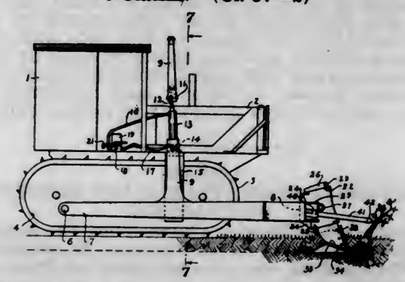
2,295,457
VALVE
Boyd C. Eberhard, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application March 23, 1940, Serial No. 325,649
4 Claims. (Cl. 251—43)

4. A valve assembly for use with plural-chambered safety tubes and comprising a valve casing, a substantially conical valve seat carried by the casing, a plurality of ports communicating with the valve seat, a valve stem having a hollow bore, said valve stem including an inner metal portion, an outer metal portion and a flexible rubber portion connecting the metal portions together, a conical valve rotatably carried by the inner metal



portion and having port means opening into the bore of the stem, and means associated with the inner metal portion and the valve casing for moving the valve stem axially when the stem is rotated to move the valve into and out of engagement with the valve seat.

2,295,458
TREE UPROOTING DEVICE
William J. Edwards, Wichita Falls, Tex.
Application March 22, 1940, Serial No. 325,431
6 Claims. (Cl. 37—2)



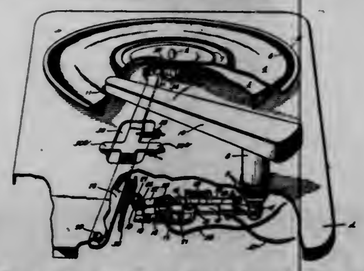
1. In a tree uprooting device, the combination of a tractor, a frame mounted on the tractor and extending forwardly thereof, said frame having forwardly opening sockets at the front end portion thereof, means detachably mounted in said sockets and carried by the frame in position to engage trees and the like to apply a bending action thereto upon forward motion of the tractor, and a blade carried by the frame and disposed rearwardly of the forward end portion of said tree engaging means and in position to pass through the soil beneath the surface thereof for loosening the roots of the tree bearing against said engaging means.

2,295,459
FLOTATION PROCESS
Stephen Edward Erickson, Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 20, 1940, Serial No. 325,011
7 Claims. (Cl. 209—166)

1. A process of separating silicious matter from non-metallic ores by froth flotation which comprises subjecting a deslimed pulp of the ore

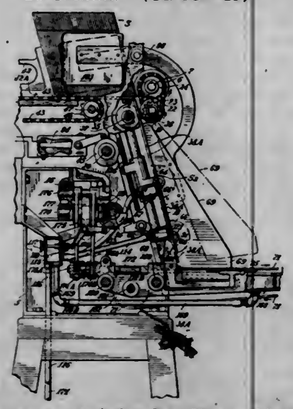
containing not more than 1% of slimes to froth flotation in the presence of a cation active flotation collector for the silicious matter.

2,295,460
PHONOGRAPH TRIP MECHANISM
Frederick R. Farrow, Jr., Audubon, N. J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application September 29, 1941, Serial No. 412,855
5 Claims. (Cl. 274—1)



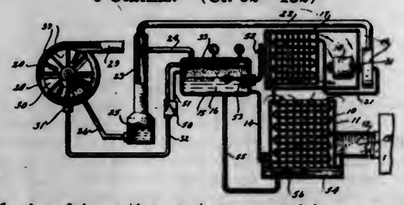
1. In an automatic phonograph having a tone arm, a trip mechanism comprising a first means supported for movement in accordance with the movement of the tone arm over a recording, a member pivotally carried by said first means, oppositely facing contacts on said first means and said member, means tending to maintain said member in a normal position relative to said first means, and means periodically restraining said member so as to cause rotation thereof relative to said first means as the latter moves in accordance with movement of said tone arm, the normal relative positions of the contacts on said first means and said member being such that said contacts become closed only upon movement of said tone arm at a greater than normal rate.

2,295,461
APPARATUS FOR FEEDING AND BENDING BOX BLANKS
Theodore A. Federwitz, Philadelphia, Pa., assignor to Stokes and Smith Company, Summerdale, Philadelphia, Pa., a corporation of Pennsylvania
Application June 4, 1940, Serial No. 338,694
10 Claims. (Cl. 93—49)



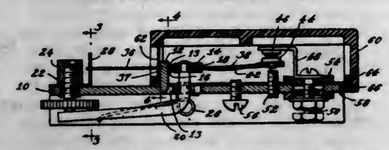
1. An arrangement for bending a blank along a score line defining adjacent panels comprising yieldingly mounted structure for engaging one face of one of said panels adjacent the score line, a rotatable bending tool for engaging the opposite face of the other of said panels and having its axis of rotation substantially in alignment with said score line, and means for rotating said tool about its axis to bend said one of said panels about said score line and to effect displacement of said structure as said one of said panels approaches face to face engagement with the other of said panels.

2,295,462
AIR COOLING SYSTEM
Frank P. Forman, Long Island City, N. Y.
Application March 15, 1939, Serial No. 262,014
6 Claims. (Cl. 62—152)



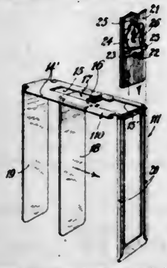
1. A refrigeration system comprising a conduit forming a closed circuit for the flow of a liquid including an evaporator chamber, means to supply liquid thereto, a cooling coil in the conduit for receiving a liquid from the lower part of the evaporator chamber, a liquid propulsion means forming part of the circuit receiving a liquid from the coil and having a discharge conduit including an ejector device forming a part of the first named conduit, the ejector device having a suction port connected to the upper part of said evaporator chamber, a discharge port connected with the upper part of the evaporator chamber, and means included between the ejector discharge port and evaporator chamber to separate gas from liquid returned to the evaporator chamber from the ejector.

2,295,463
THERMOSTAT
Norman C. Fetter, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 350,602
10 Claims. (Cl. 297—15)



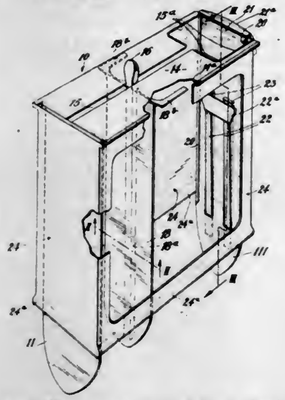
1. In combination in a thermostatic device, a snap acting toggle having a tension strip and a compression strip connected together, the connection between them being rigid to permit the transmission of bending moments there through from one strip to the other, one of said strips consisting of resilient thermostatic bimetal, a toggle support for said bimetal strip intermediate its ends and so constructed as to permit bending moments to be transmitted along said bimetal strip past said toggle support, a toggle support for the other strip, each of said toggle supports imposing longitudinal stresses on the strip that it supports, and an outer support for restraining motion of the extended outer end of said bimetal strip, said outer support being spaced out far enough from the toggle support of said bimetal strip that said portion between said toggle and outer supports supplies a substantial part of the driving effort imposed by said bimetal strip on said toggle.

2,295,464
PACKAGE ATTACHMENT
Maurice Garbaty, Larchmont, N. Y.
Application August 23, 1939, Serial No. 291,466
1 Claim. (Cl. 206—41.2)



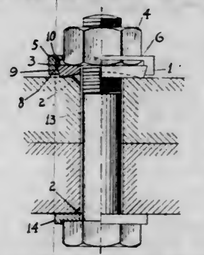
An attachment to be inserted in a merchandise package comprising a top plate provided with a discharge opening, to be placed on the top of an opened package, downwardly directed plates to be inserted in a package between the wrapper and the goods in said package one of said plates being integrally connected with said top plate at its discharge opening, another one being movable to act as a promoter and adapter of the goods contained in said package, and an ejector consisting of a plate sliding up and down in guide channels provided in said plate integrally connected with the top plate at the discharge opening said up and down slidable plate having an opening therein, an inwardly bowed gripper plate pivoted to said plate at the lower edge of said opening and means resiliently pressing said gripper plate inwardly through said opening a predetermined distance, said bowed plate acting as a gripper engaging the wrapper of the cigarette to be ejected during the upward stroke of said plate.

2,295,465
ATTACHMENT FOR HOLDING AND STIFFENING MERCHANDISE PACKAGES
Maurice Garbaty, Larchmont, N. Y.
Application November 30, 1939, Serial No. 306,864
4 Claims. (Cl. 206—41.2)



1. In a stiffening and holding device for cigarette packages comprising an adapter for the cigarettes and an ejector to be operated single-handed a U-shaped yoke conforming to the shape and size of the package to be stiffened consisting of a top plate to be placed on the top of an opened package of cigarettes, this top plate being provided with a discharge opening, and two downwardly directed flat plates integrally connected with said top plate at its opposite ends, said plates to be inserted in said package on its narrow sides between the wrapper and the cigarettes to exert pressure on the walls of said package; a downwardly directed movable adapter plate disposed in said yoke at the side of the top plate opposite to said discharge opening and to be moved parallelly to the legs of said yoke in the direction to said discharge opening by actuating a finger grip extending through a slot in the top plate, actuated by the forefinger of the operator; an ejector gliding up and down in guiding channels provided in the leg of said yoke located at said discharge opening, said slide being provided with a finger grip to be operated by the thumb of the same hand; an outer casing fastened to said top plate surrounding the outside of the package to be stiffened, adapted to support the hand of the operator.

2,295,466
BOLT AND NUT CONNECTION
Joseph Häfele, Zurich, Switzerland
Application June 21, 1939, Serial No. 280,248
In Switzerland June 21, 1938
4 Claims. (Cl. 151—29)



1. A washer adapted to be carried by a bolt and having means projecting into the work which is held by said bolt and by a nut screwed upon said bolt, for locking the washer against rotation relatively to the work, in combination with a nut-locking substantially resilient plate having an opening formed therein, the outlines of said opening at least partly corresponding to the outer surfaces of said nut, said plate having two ribs extending parallel to each other and recesses formed in said ribs and extending opposite each other, said washer having parallel edges for fitting into said recesses when the plate is snapped over the washer after the washer is firmly seated in position.

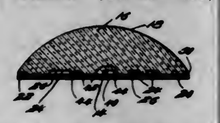
2,295,467
ADVERTISING DEVICE
John W. Haley, Bristol, R. I., assignor to Perfection Sales Corporation of New England, Cranston, R. I., a corporation of Rhode Island
Application January 5, 1940, Serial No. 312,577
4 Claims. (Cl. 40—125)



3. An advertising device comprising, in com-

bination, a base having a flat transparent member mounting surface and a transparent member having a convex outer surface and a rear surface having the edge thereof on the rearmost portion thereof, mounted on said base portion, said rear surface having depressions of the shape of advertising insignia extending forwardly therein, said depressions having certain parallel side walls thereof only inclined in substantially a single direction, a coating of coloring matter applied to the bottoms of said depressions defining said insignia and a coating of coloring matter of a different shade applied to said inclined side walls, whereby all said advertising insignia may appear refracted from substantially the outer convex surface of said transparent member so that substantially all of said advertising indicia may be observable when viewed from substantially any direction in front of said base with said differently shaded inclined side walls thereof providing a perspective shading effect.

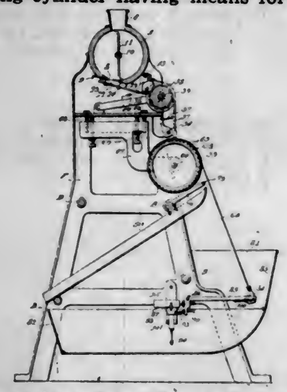
2,295,468
TAP HANDLE
John W. Haley, Bristol, R. I., assignor to Perfection Sales Corporation of New England, Cranston, R. I., a corporation of Rhode Island
Application January 6, 1940, Serial No. 312,713
5 Claims. (Cl. 40—125)



1. A tap handle for a bar tap valve, comprising, in combination, a member having a neck for mounting on the tap valve operating means and a gripping portion having a flat opaque light reflecting surface at the front thereof and a transparent member having a convex outer surface and a rear surface having the edge thereof on the rearmost portion thereof mounted on said flat portion, said rear surface having depressions of the shape of advertising insignia extending forwardly therein and a coating of coloring matter applied to the bottoms of said depressions defining said insignia, whereby all said advertising insignia may appear refracted from substantially the outer convex surface of said transparent member so that substantially all of said identifying indicia may be observable from in front of substantially the entire length of the bar.

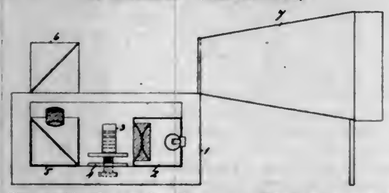
2,295,469
AUTOMATIC MACHINE FOR STRINGING WASHERS AND THE LIKE
Carlos Hall and Fernando Hall, Mexico City, Mexico, assignors of twenty-five per cent to Harry Hadfield Hallatt, and twenty-five per cent to Oscar Antonio Chabrand, both of Mexico City, Mexico
Application September 11, 1941, Serial No. 410,488
12 Claims. (Cl. 209—72)

1. An automatic machine for stringing washers on needles or the like comprising a feed hopper and an inclined articulated slide-way, washer feeding means between the hopper and the slide-way, a plurality of elevating disks, each disk having a plurality of cells for accommodation of a single washer, means for removing washers other than those properly positioned within the cells, means for vibrating the articulated portion of the slide-way to effect movement of the washers to the cells of the disks, guide means cooperable with each disk for receiving washers therefrom, a stringing cylinder having means for receiving



separate washers from the guide means, and stringing needles cooperable with the stringing cylinder for receiving washers thereon.

2,295,470
OPTICAL PROJECTION APPARATUS
Carl William Hansel, Bedford, England
Application November 16, 1939, Serial No. 304,855
In Great Britain December 1, 1938
13 Claims. (Cl. 88—24)

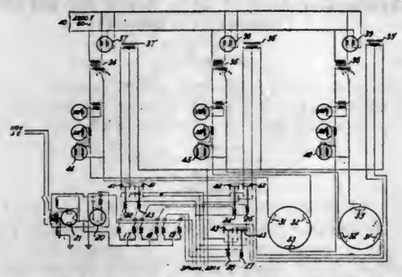


1. In optical projection or display apparatus the combination of a supporting base member of open construction, pairs of supporting elements and guide rails at a plurality of levels in said base member, and a plurality of units of generally rectangular form and each containing an element of a projection or display device having its exterior shaped and dimensioned to be capable of resting in a plurality of stable operative positions and orientations upon said supporting elements and at different levels in relation to the supporting elements of said base member, each of said units having free or sliding movement in relation to the base member for relative adjustment thereto and in frictional connection relatively thereto and to each other.

2,295,471
CONTROL DEVICE
Robert S. Havenhill and Harold C. O'Brien, Beaver, Pa., assignors to St. Joseph Lead Company, New York, N. Y., a corporation of New York
Application February 17, 1939, Serial No. 257,015
9 Claims. (Cl. 236—69)

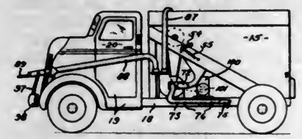
1. In a control device, the combination with an instrument including a moving system and a pointer carried by said moving system, of a conductive element mounted on said pointer, a body of conductive liquid presenting a free surface extending along a substantial portion of and in the path of motion of said element whereby movement of said pointer from a predetermined position in a path parallel to the free surface of

said body brings said element into contact with said body, electric circuit elements connecting said element and said body of conductive liquid



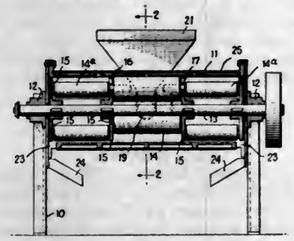
with means for periodically energizing the circuit formed when said element is in contact with said body of conductive liquid.

2,295,472
ROAD SANDING APPARATUS
Arthur C. Hopkins, Tupper Lake, N. Y., assignor to Artomatic Machinery Corp., Tupper Lake, N. Y., a corporation of New York
Application January 30, 1941, Serial No. 376,673
6 Claims. (Cl. 275—2)



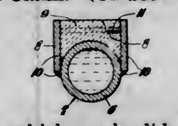
1. In a road sanding apparatus of the character described, a hopper; an impeller having intake and outlet passages; a valve member having a pair of openings therethrough; an intake conduit connected with one of said openings; means including a second conduit connecting the second one of said openings with the hopper, said valve means being movably connected with said impeller to alternately bring said openings into registration with the intake passage; and means for operating said impeller.

2,295,473
GRINDING MILL
Paul Hollstein, Carlstadt, and George Jack, Rochelle Park, N. J., assignors to J. M. Lehmann Co., Inc., New York, N. Y., a corporation of New York
Application February 18, 1939, Serial No. 257,086
3 Claims. (Cl. 83—9)



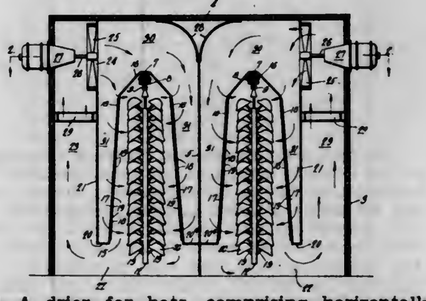
2. A grinding mill comprising in combination, an elongated horizontal stationary drum, means for feeding material into the drum through its outer wall intermediate its ends and substantially not above mid-height, a par-axial rotary centrifugal cylindrical roll of large diameter spanning the feeding zone, discharge means at the ends of the drum, and a par-axial rotary centrifugal cylindrical roll of smaller diameter near each end of the drum.

2,295,474
HEATING-FURNACE WORK-CARRYING SKID
Charles J. Horn, Chicago, Ill.
Application June 16, 1941, Serial No. 398,357
1 Claim. (Cl. 263—1)



A skid over which work slides in a furnace, comprising a metal pipe having thermal insulation on its top for carrying the work, said pipe having upstanding walls fixed to its opposite sides in laterally spaced relation with said insulation in the form of refractory material arranged between said walls.

2,295,475
HAT DRIER
Alpheus O. Hurxthal, Wyncote, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application August 4, 1939, Serial No. 288,418
9 Claims. (Cl. 34—213)

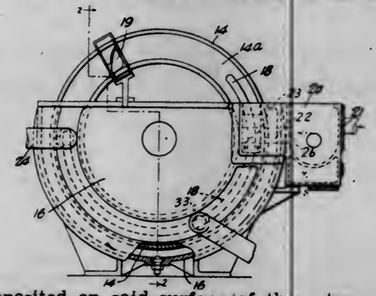


1. A drier for hats, comprising horizontally movable means including laterally extending upwardly inclined elements supporting said hats in laterally spaced tiers each consisting of a plurality of hats disposed in vertically spaced superposed relation, and means for directing streams of drying medium in a substantially horizontal direction against said tiers from outer hat-supporting ends of said elements toward the opposite ends of said elements solely throughout a predetermined horizontal course traveled by said tiers.

2,295,476
APPARATUS FOR SEPARATING SUSPENDED MATTER FROM LIQUIDS BY MEANS OF ELECTROSTATIC PRECIPITATION
Austin Ibison, New Brighton, England
Application October 24, 1939, Serial No. 301,087
In Great Britain October 15, 1938
9 Claims. (Cl. 204—300)

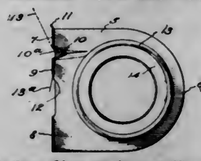
1. Apparatus for removing suspended matter from liquid, comprising a container for the liquid having a stationary portion and a rotary portion in spaced relation thereto and rotatable about a substantially horizontal axis, a seal between them whereby the container is rendered liquid tight, said rotary portion constituting an elec-

trode having a surface for the deposit of matter thereon, a second electrode carried by the stationary portion of said container, means for generating an electrostatic field between said electrodes whereby suspended matter in the liquid



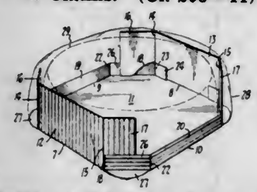
is deposited on said surface of the rotary portion, the said surface being adapted to pass during rotation out of the liquid, and means for removing the matter deposited on said surface while it is out of the liquid.

2,295,477
DEVICE FOR DISPENSING TAPE
Clarence S. Jackson, Brooklyn, N. Y., assignor to Peters Bros. Rubber Co., Inc., Brooklyn, N. Y., a corporation of New York
Application December 6, 1940, Serial No. 368,792
2 Claims. (Cl. 242—55.5)



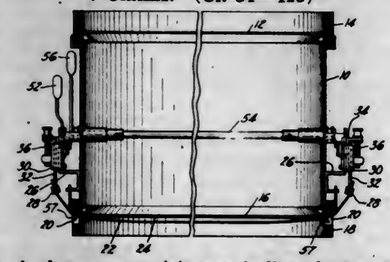
1. A device for dispensing adhesive tape comprising a holder consisting of spaced, parallel side members, transverse outer members spaced apart and extending between and connected with said side members at one end edge thereof, a transverse intermediate member extending between and connected with said side members at said one edge thereof and located in spaced relation with said outer members, said intermediate member in association with one of said outer members forming an exit slot and being provided at one edge with a finger recess, a guide member projecting inwardly from the opposite edge of said intermediate member at an upward inclination, tearing teeth at the upper edge of said one of said transverse outer members, and annular flanges on the opposed inner faces of said side members in axial registry with each other to rotatably support a roll of adhesive tape in said holder, said flanges having sloping sections normally diverging outwardly relatively to each other toward the front of the holder and being adjustable into approximate parallelism by spreading said side members apart to thereby facilitate the introduction of a roll of tape into said holder and the removal of an empty core therefrom, the tape from said roll passing over said guide member and outwardly through said exit slot and having its free end adhesively attached in surface engagement with said transverse intermediate member and overlying the finger recess thereof in accessible position for ready detachment from said intermediate member at will for withdrawing said tape through said exit slot for transverse severing along said tearing teeth into selective lengths.

2,295,478
CAKE CONTAINER
William E. Jason, Jr., Atherton, Calif.
Application May 21, 1941, Serial No. 394,473
2 Claims. (Cl. 206—44)



1. A device of the character described comprising a rectangular sheet of single face corrugated paper board, said board being cut to provide opposite ends foldable toward each other on a central intermediate portion of said board, said ends including laterally terminal end portions foldable on each end and apertured adjacent to said central portion, said ends extending outwardly away from said central portion for a substantial distance to stand above said central portion and protect goods thereon, said board being cut and creased to provide opposite sides foldable toward each other on said central portion, said sides extending outwardly away from said central portion for a distance relatively small as compared to said substantial distance of said ends, said sides including terminal ends insertable in and engageable with said apertured terminal end portions to retain said ends and sides so interengaged in folded position.

2,295,479
DRUM SNARES
Le Roy J. Jeffries, Elkhart, Ind., assignor to C. G. Conn Ltd., Elkhart, Ind., a corporation of Indiana
Application July 22, 1940, Serial No. 346,752
7 Claims. (Cl. 84—415)

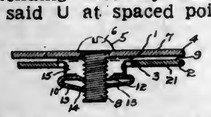


1. A drum comprising a hollow body closed at one end by a vibratile head, a plurality of snare units extending across said head with the snares of one unit alternating with the snares of the other unit, and means for selectively tightening the snare units against the head.

2,295,480
NUT DEVICE
Frank E. Johnson, Malden, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application September 9, 1939, Serial No. 294,161
7 Claims. (Cl. 85—32)

7. A nut composed of a single piece of resiliently yieldable stock and of U-shape cross section, the base of said U including an intermediate portion and folded extensions connected thereto, said base and extensions being formed

to provide a screw receiving opening, and shoulder portions extending laterally of each of the branches of said U at spaced points along the

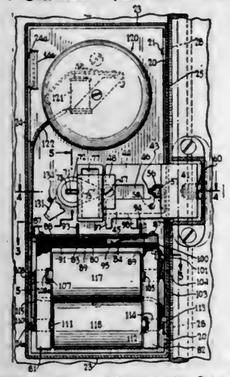


length thereof, said branches being adapted to be compressed toward each other to enable certain of said shoulders to snap past the walls of an aperture.

2,295,481
PREPARATION OF WATER-SOLUBLE DERIVATIVES OF 2-SULPHANILYLAMIDO-PYRIDINE
Jonas Kamlet, Brooklyn, N. Y., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application March 23, 1939, Serial No. 263,727
6 Claims. (Cl. 260—296)

1. As a new compound, 2-(p-(N-sodium methylene-sulphinate) amino-benzenesulphonamido)-pyridine.

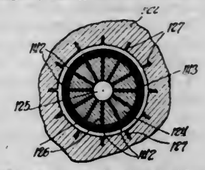
2,295,482
BURGLAR ALARM LOCK
Charles Kemp, New York, N. Y.
Application June 19, 1940, Serial No. 341,320
7 Claims. (Cl. 177—314)



1. In combination with a lock adapted to be attached to a door, and a keeper adapted to be attached to a door jamb, a bolt on said lock, means to project the bolt into the keeper, an alarm, means for actuating the alarm upon jimmying of the door, said means including means to retain the alarm in actuated condition, even when the door ceases to be jimmied, and means on the lock to actuate the alarm while the door is locked by said lock, said last means comprising an inside knob which simulates the ordinary inside knob for retracting or projecting the bolt, which knob, however, cannot control the bolt.

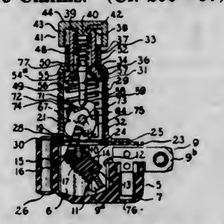
2,295,483
LOUDSPEAKER
Hugh S. Knowles, Chicago, Ill., assignor to Jensen Radio Manufacturing Company, Chicago, Ill., a corporation of Nevada
Application June 4, 1934, Serial No. 728,993
7 Claims. (Cl. 179—115.5)

1. In combination, an outwardly flaring main diaphragm, means for supporting the outer end of said diaphragm, eccentrically corrugated flexible centering means engaging the small end of said diaphragm, said means having substantially



uniform stiffness against static deflection, and irregularly shaped damping members engaging said centering means.

2,295,484
PUSH-PUSH OPERATING MECHANISM FOR ELECTRIC SWITCHES
Alvin W. Krieger, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application June 30, 1941, Serial No. 400,360
13 Claims. (Cl. 200—67)

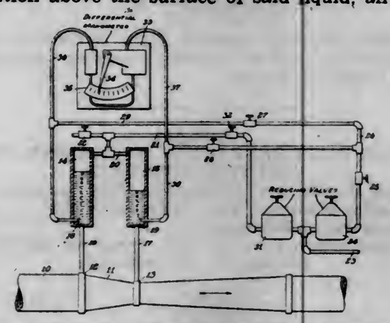


1. In a push-push operating mechanism for electric snap switches, in combination, a hollow metal bushing having an externally threaded cylindrical lower portion and an upper unthreaded cylindrical portion of relatively smaller diameter with external and internal right-angle peripheral shoulders formed therebetween, a hollow metal member insertable upwardly into said bushing, said member having an external peripheral shoulder formed thereon to limit the degree of upward movement thereof relatively to said bushing, said member being adapted in its upper extreme position to project a substantial distance upwardly beyond said bushing, an inverted cup-shaped metal pushbutton secured to the upper end of said member, said pushbutton cooperating with said bushing to positively limit the extent to which said member may be depressed relatively to said bushing, a coiled compression spring engaging the lower end of said member to normally bias the same to its upper extreme position, and a spring and a plunger carried by said hollow metal member, said last mentioned spring acting to normally center said plunger while permitting bodily movement of the latter axially of said hollow metal member under certain conditions.

2,295,485
DIFFERENTIAL FLUID METER
Otto J. Leone, West Newton, Pa., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application August 15, 1939, Serial No. 290,174
10 Claims. (Cl. 73—205)

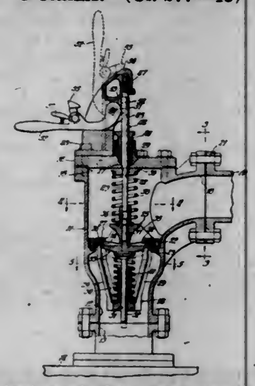
1. In a device for measuring the rate of flow of a liquid through a conduit provided with two openings and having means between said openings for developing at said openings fluid pressures differing by an amount representative of the rate of said flow: two enclosed chambers containing liquid and each communicating with one

of said openings whereby the liquid in each chamber is maintained at a level representative of the pressure at the corresponding opening, a source of gaseous medium, separate means for admitting said medium independently under pressure to each of said chambers at points below the surfaces of the liquid therein and including conduits for conveying said medium to said chambers, means placing said chambers in mutual communication above the surface of said liquid, an in-



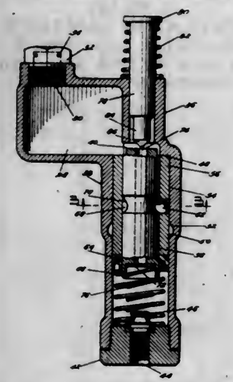
strument for measuring the difference of pressure in said conveying conduits and connected therewith, and external regulatory means for maintaining in said chambers above said liquid a pressure lower than either of said measured pressures, together with constricted constant flow means independent of said regulatory means and continually tending to equalize with atmospheric pressure the pressure in said chambers above said liquid.

2,295,486
VENT VALVE
William A. Lebus, Chicago, Ill., assignor to Protectoseal Company of America, Inc., Chicago, Ill., a corporation of Illinois
Application March 6, 1940, Serial No. 322,446
3 Claims. (Cl. 277—45)



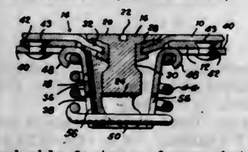
1. In a device of the class described and in combination, a hollow casing having top, bottom and side openings formed therein, a cover member having an aperture therein secured to said casing adjacent said top opening, a valve ring having a seat formed thereon mounted in the casing between said bottom and side openings, a pressure relief valve member having a facing engaging said seat, a valve support carried by said ring, a vacuum relief valve member engaging said facing and having stem portions extending at opposite sides of said vacuum relief valve member, one of said stem portions being slidably mounted in said support and the other of said stem portions extending into said pressure relief valve member to provide a guide therefor, a pair of springs operatively related to said pressure and vacuum relief valve members for urging the respective valve members against said seat and facing, respectively, a manually actuated rod slidably mounted in the aperture of said cover and extending into said pressure relief valve to engage a stem portion of said vacuum relief valve for moving the vacuum relief valve out of engagement with said facing, and releasable means mounted on said cover member for retaining said rod in valve opening position, one of said springs being operatively related to said rod for returning the rod to normal position when said last-mentioned means is released.

2,295,487
FLUID PRESSURE BRAKING SYSTEM
Erwin F. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application August 16, 1940, Serial No. 352,975
In Canada October 10, 1939
8 Claims. (Cl. 60—54.6)



1. A fluid pressure producing device comprising a cylinder having an inner circumferential groove, a hollow piston reciprocable therein having apertures adapted to register with the groove, a piston reciprocable in the hollow piston having a circumferential groove, and means shiftable in the grooves and apertures for locking the pistons together during a predetermined movement of the pistons and thereafter to release the pistons from one another and to retain one of the pistons against movement.

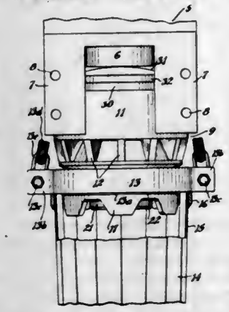
2,295,488
FASTENER
Edward L. Mack, New York, N. Y.
Application April 23, 1942, Serial No. 440,127
10 Claims. (Cl. 24—221)



10. A detachable fastener for maintaining two parts locked in close proximity under spring tension, which includes a rotatable stud mem-

ber for connection to one part, provided with a spiral slot in one end and a detent at the inner recess of said slot and a cooperating receptacle member for connection to the second part, said receptacle member including a base member, a collar integral therewith having a central opening and an end portion having a slotted vertically disposed guide, a spring member associated with said collar member, means integral with said base member for connecting the spring member to said base member, and a cross-bar member associated with said spring member and adapted to ride upwardly and downwardly in said slotted guide, said cross-bar member adapted to detachably lock in said detent of said spiral slot with the spring under compression when the fastener stud and receptacle members are locked and said cross-bar normally being positioned within said guide of said collar member.

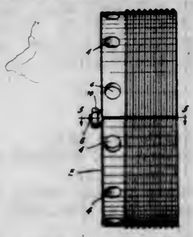
2,295,489
PILE DRIVING HEAD CONSTRUCTION
Edmund W. Riemenschneider, Canton, Ohio, assignor to The Union Metal Manufacturing Company, Canton, Ohio, a corporation of Ohio
Application March 21, 1940, Serial No. 325,159
2 Claims. (Cl. 61—77)



1. In pile driving head construction, an anvil block having a convexly rounded upper surface, cushioning means for absorbing shocks from said anvil block, a bottom driving member for receiving and distributing the force of hammer blows from said cushioning means and having a bottom pile engaging surface for engaging the top of a tubular pile, pilot means detachably mounted on said bottom driving member for maintaining it concentric with said pile, and a yieldable gasket interposed between said pilot means and the bottom surface of said bottom driving member.

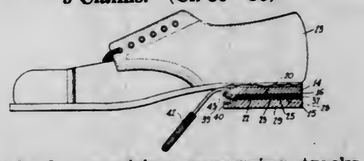
2,295,490
STUFFING BOX GLAND
Frederick H. Sandherr, St. Louis, Mo., assignor to Concrete Transport Mixer Company, St. Louis, Mo., a corporation of Missouri
Application April 12, 1941, Serial No. 388,194
3 Claims. (Cl. 286—35)

1. A stuffing box gland comprising an externally threaded cylindrical sleeve having a plurality of circumferentially spaced bores extending therethrough from end to end thereof, at least one end of each bore having a counterbore and an annular groove at the bottom thereof, and a bolt having a body extending through said bore and having a head at one end and a nut on the other end, one of said head and nut seating in said counterbore and having a continuous annular rib at its inner end rotatable in the annular groove at the bottom of said counterbore, said sleeve being longitudinally divided into segments along a plane including the axis of each of said bores, said annular groove and rib hav-



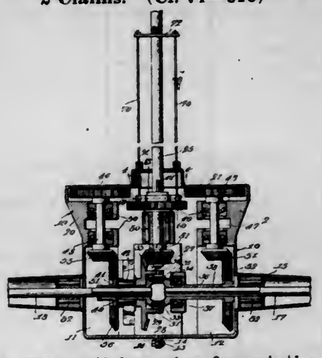
ing conical cooperating surfaces adapted when said nut is tightened to clamp said conical surfaces together and thereby to draw said segments together.

2,295,491
DETACHABLE HEEL
Carl Schreck, New York, N. Y.
Application May 8, 1940, Serial No. 334,008
5 Claims. (Cl. 36—36)



1. A heel comprising converging tracks arranged parallel to the surface of the heel and adapted to be slid onto counter parts of such tracks on a shoe into a frontmost position where the tracks jam, and a rubber layer on said heel covering all but the underside of said tracks.

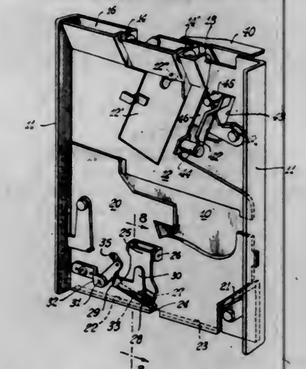
2,295,492
EMERGENCY REAR AXLE LOCKING DEVICE
Charles Stegmeier, Auburn, Calif.
Application October 8, 1941, Serial No. 414,193
2 Claims. (Cl. 74—316)



1. In a differential gearing for rotating a pair of axles for vehicles and actuated by a drive shaft in which one axle may be revolved while the other axle remains stationary, means positively rotating both axles simultaneously regardless of the differential load applied to the axles, said means comprising a gear connected to one axle, a second gear mounted on the other axle, a sleeve formed integrally with the second gear with a gear of the differential gearing also

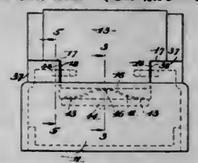
mounted on the same axle, means connecting the sleeve to the second mentioned axle, an idling gear adjacent each of the first mentioned gears, operative connections between the adjacently disposed gears, an auxiliary gear rotated by the drive shaft and adapted to be shifted into and out of mesh with the idle gears, and manual means for shifting the auxiliary gear.

2,295,493
COIN TESTER
Walter A. Tratsch and William Patzer, Chicago, Ill.
Application February 3, 1941, Serial No. 377,110
6 Claims. (Cl. 194—102)



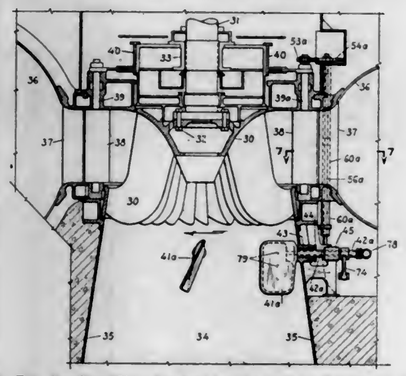
1. In a coin and slug separator comprising a body portion having a coin passage formed therein divided into an acceptance passage and a reject passage, the combination of a movable ledge normally positioned above said acceptance passage and pitched in a direction toward said reject passage, said ledge being adapted to move by the weight of a coin thereon, means for latching said ledge in normal position to effect gravitation of coins toward said reject passage, said latch means being pivotally arranged on one wall of said body portion and blockingly engaging said movable ledge, pin means carried by said latch means and extending into said passage above said ledge and adapted to be engaged by coins of a predetermined diameter gravitating into said passage to move said latch means and free said ledge for movement by the weight of a coin thereon.

2,295,494
COMBINED BOX AND HINGE CONSTRUCTION
Harold G. Valentine, Lockport, N. Y., assignor to Norton Laboratories, Lockport, N. Y., a corporation of Maine
Application June 17, 1940, Serial No. 340,929
3 Claims. (Cl. 220—31)



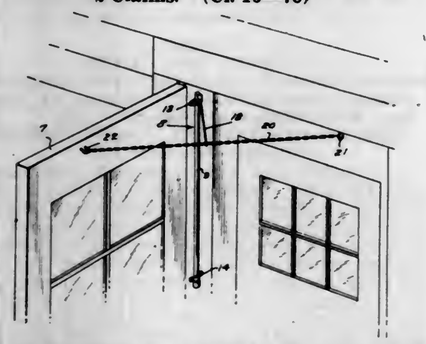
1. A box comprising a bottom section having a rear wall and a cover section having a rear wall, hinge knuckles formed integrally with each of said sections, hinge means forming a hinge axis and extending between the hinge knuckles for holding the sections in assembled relation while enabling their pivotal movement, said bottom section having a well located between the hinge knuckles and below the hinge axis, a spring carried in said well, said cover section having a rear edge forming part of the rear wall which is sharply angular and formed integrally with the hinge knuckles of the cover section and which forms a bearing point for the spring, the rear wall of the bottom section extending beyond said rear edge and said rear edge lying partly in said well.

2,295,495
WHIRL DEFLECTING VANE FOR HYDRAULIC TURBINES
Albert F. Anderson, San Francisco, Calif.
Application June 10, 1941, Serial No. 397,353
10 Claims. (Cl. 253—117)



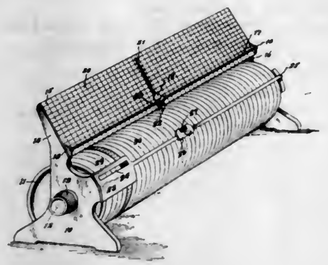
6. In hydraulic turbines having draft tubes with hollow whirl deflecting vanes situated therein and secured thereto for pivotal movement about an axis substantially perpendicular to the axis of the draft tube, means for admitting air into the draft tubes through the vanes, comprising conduits having one end in communication with the interior of the vanes, the latter having openings through which air may enter the draft tube, the other ends of the conduits communicating with an air supply.

2,295,496
STORM DOOR PROTECTING AND CLOSING MECHANISM
James L. Cameron, Eldora, Iowa
Application May 27, 1941, Serial No. 395,468
2 Claims. (Cl. 16—78)



1. In combination, a door frame, an ordinary door, a storm door, a flexible line connection between the doors, a vertically disposed barrel having a tension spring therein, and a second flexible line extending from the spring out of the barrel and to the intermediate portion of the first-mentioned flexible line.

2,295,497
CALCULATING DEVICE
Phil Carroll, Jr., Maplewood, N. J.
Application November 16, 1940, Serial No. 365,925
19 Claims. (Cl. 235—61)



1. In a device of the class described, the combination of a member having depicted thereon a plurality of numbers arranged checkerboard fashion in lines and columns and forming three rectangular charts comprising a main chart and two auxiliary charts, the auxiliary charts forming continuations respectively of two adjacent sides of the main chart, said numbers arranged with the columns of one of the auxiliary charts in alignment with the columns of the main chart and with the lines of the other auxiliary chart in alignment with the lines of the main chart, the numbers in each line and column of said charts being arranged in repeating sets, and the numbers in each line and column of each set being arranged in a logarithmic progression and identical in each line and column of every other set, a column indicating rider including a pointer extending lengthwise of the columns of one of the auxiliary charts and guided for movement parallel to the lines of the charts to indicate selectively a column of the main chart, and a straight track overlapping the main chart, extending parallel to its lines and said track and main chart being operatively correlated to have relative movement in a direction lengthwise of the columns on the main chart and said track provided with a rider selectively shiftable lengthwise thereon across the main chart to locate the number in the column indicated by the first named rider at the intersection of said column with the line for the time being at the track.

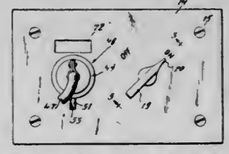
2,295,498
LADY'S AND GIRL'S SHADOWPROOF SLIP
Elizabeth Fisher, Providence, R. I.
Application August 8, 1940, Serial No. 351,897
1 Claim. (Cl. 2—73)

A woman's undergarment having a skirt portion of a lace ply of openwork material with its major area covered and located from the bottom edge of the garment to a height just below the hips and of a width to cover the outline of the legs for casting a shadow on the outer garment



and thus preventing a distinct shadow outline of the limbs appearing on this outer garment.

2,295,499
SWITCH RECEPTACLE
Ernest Franck, Malverne Park, N. Y.
Application March 10, 1941, Serial No. 382,614
12 Claims. (Cl. 171—97)



6. A combined switch and plug terminal receptacle comprising a housing, a shaft journalled in one of the walls of the housing, a switch handle carried at one end of the shaft and a switch block carried at the other end thereof, a plurality of enclosed, tubular mercury switches carried by the block, a receptacle having a plurality of female terminals for receiving the contact pins of a removable terminal plug, a gear carried by the switch block, a rack bar engaged by said gear, a locking bar adapted to engage a portion of the removable plug when the switch is in "on" position, and prevent removal of the plug when the switch is in such position, and means for restraining movement of the switch when the plug is removed, comprising a stop member preventing movement of the locking bar, such member being retracted when the plug is inserted within the receptacle, a main circuit including one of the switches, and an auxiliary circuit including a second switch, the switch handle and a ground connection.

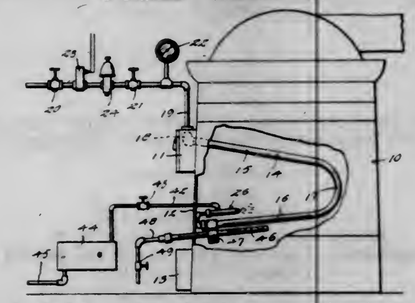
2,295,500
MANDREL GUIDE IN PUSH BENCHES
Heinrich Heetkamp, Buderich, near Dusseldorf, Germany; vested in the Alien Property Custodian.
Application April 23, 1940, Serial No. 331,264
In Germany May 3, 1939
8 Claims. (Cl. 205—4)



1. A guide for the mandrel of push benches for drawing work pieces into tubes, comprising a cylindrical sleeve which receives the mandrel and the mandrel bar respectively of the bench, said

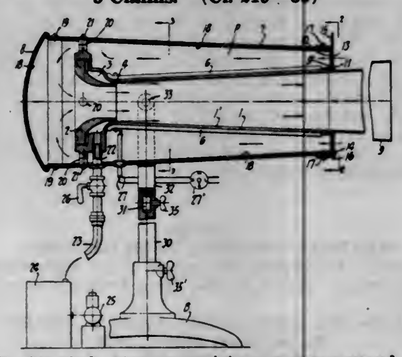
sleeve being arranged on the bed of the push bench so as to be longitudinally displaceable and adapted to guide, after having been pushed into the insertion part and the dies of said bench in back of the work piece, the mandrel and the mandrel bar respectively within the insertion part and within the region of the first dies.

2,295,501
OIL BURNER
David A. Jones, Webster Groves, Mo.
Application September 3, 1940, Serial No. 355,228
3 Claims. (Cl. 122—10)



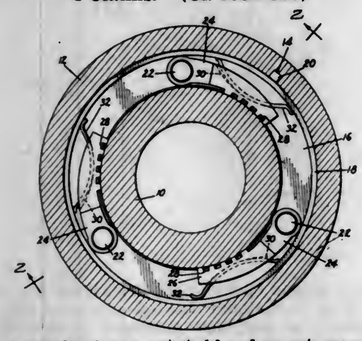
1. A steam generator for connection to an oil atomizing nozzle comprising a V-shaped steam generator having its legs disposed in superposed relation and its base upstanding and merging into the inner ends of said legs, a closure cap on the outer end of the lower one of said legs, and a tubular steam conductor connected to said cap and to said nozzle, said conductor supporting said nozzle closely adjacent to and in parallel relation with respect to said lower leg whereby the flame emanating from said nozzle will encompass the inner portion of said lower leg and impinge against the lower portion of said base.

2,295,502
HEATER
Edward Lamb, San Francisco, Calif.
Application May 20, 1941, Serial No. 394,335
8 Claims. (Cl. 219—39)



7. An air heater comprising; a compressed-air-actuated air-induction nozzle having a through bore providing an inlet for air at one end and a discharge outlet for air at the opposite end, and formed with an aperture opening into said bore intermediate said inlet and outlet; said aperture being directed toward said outlet for inducing a flow of air through said bore from said inlet to said outlet upon ejection of compressed air into said bore through said aperture; means for conducting compressed air to said aperture for ejection therefrom into said bore in direction toward said outlet; heating means between said aperture and said outlet for heating the walls of said bore for heating air adapted to flow therethrough from said aperture to said outlet; a passageway for conducting outside air over the outer sides of said nozzle to said inlet in heat exchange relation to said heating means for pre-heating air admitted to said inlet.

2,295,503
BRAKE
Raymond J. Miller, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application September 19, 1940, Serial No. 357,494
4 Claims. (Cl. 188—186)



1. A brake for a rotatable element comprising a carrier secured to the rotatable element, a shoe pivoted to the carrier for cooperation with a fixed element, a serrated braking face on the shoe and means resiliently retaining the shoe in engagement with the fixed element.

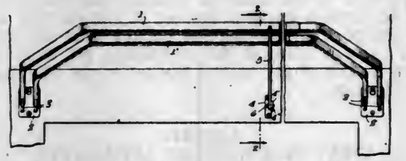
2,295,504
CETYL QUATERNARY AMMONIUM COMPOUND
Robert S. Shelton, Mariemont, Ohio, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware
No Drawing. Application August 1, 1938, Serial No. 222,448
14 Claims. (Cl. 167—22)

1. A germ counteracting composition which comprises, as the essential germ counteracting ingredient thereof a soluble quaternary ammonium compound, the ammonium nitrogen of which has a cetyl radical attached by one of its valence linkages and has attached by three of its valence linkages at least one lower molecular weight organic radical, all of said attached radicals being free from any benzene nucleus attached to the nitrogen by acyclic linkage.

2,295,505
COMPOSITION OF MATTER
Robert S. Shelton, Mariemont, Ohio, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware
No Drawing. Application August 2, 1939, Serial No. 287,959
5 Claims. (Cl. 167—22)

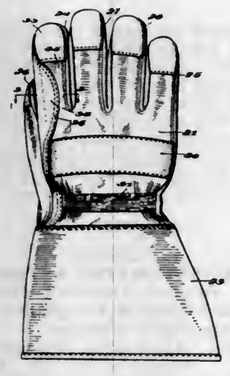
1. A micro-organism inhibiting composition which comprises as the essential active ingredient, a soluble cetyl trimethyl ammonium compound.

2,295,506
CENTER SUPPORT FOR CURTAIN RODS
Walter H. Toelle, Wallingford, Conn., assignor to H. L. Judd Company, Inc., Wallingford, Conn., a corporation of Delaware
Application February 19, 1941, Serial No. 379,552
4 Claims. (Cl. 156—22)



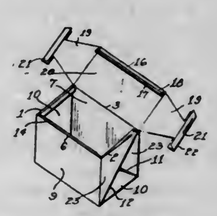
1. A center support for a curtain rod, comprising an arm engageable with a mid-portion of said curtain rod to rigidly support the same against sagging, a supporting bracket to which one end of said arm is pivoted, a laterally extending lug on said bracket at one side of said pivotal point and engageable with said arm at either of two spaced positions to rigidly support said arm at either of two different angular positions.

2,295,507
WORK GLOVE
William O. Wells, Jr., and Arthur H. Mason, Evanston, Ill., assignors to Wells Lamont Smith Corporation, Chicago, Ill., a corporation of Minnesota
Application January 17, 1941, Serial No. 374,931
4 Claims. (Cl. 2—161)



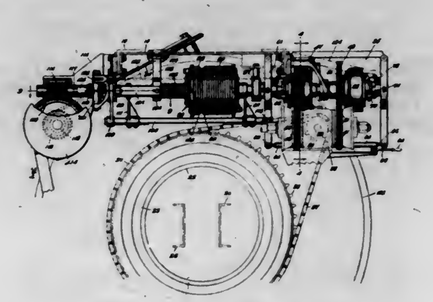
1. A combination work glove having a leather front part and a cloth back part forming a glove body and an index finger extending upwardly from the body, a leather reinforcing flap integral with the front part at an intermediate area of its length and projecting laterally inwardly beyond the side of the glove, said flap overlapping the back part for a limited distance above and below the base line of the index finger and for a substantial portion of the width of the index finger, the edge of the front part being located adjacent the side of the glove in the body below the flap and in at least the intermediate area of the index finger above the flap, and stitching joining the front and back parts extending along the edge of the flap and the edge of the front part below and above the flap.

2,295,508
CONTAINER
Ben Altheimer, University City, Mo., assignor of one-fourth to Alfred F. Karst and three-fourths to Myrtle Altheimer
Application June 12, 1939, Serial No. 378,693
1 Claim. (Cl. 229—31)



A container made of a single piece of flexible material comprising a bottom, front, back and side walls, and a closing flap, the adjacent walls being united by gussets adapted to be folded diagonally flat against the container and overlying the side walls, the front wall and two adjacent gussets having an integral overlap along their top edges folded to form a trough along the front wall, and to straddle the top edges of the side walls and to interlock therewith to form a pair of opposed pockets exteriorly of the container and between said gussets and side walls, and extensions on said closing flap to overlie the side walls and provided with oppositely extending wings, said wings being folded upon themselves on their longitudinal center lines, and then folded backwardly along the lines of juncture with said extensions to engage in said opposed pockets, and an auxiliary flap attached to the front edge of the closing flap and adapted to be received within said trough when the cover is closed.

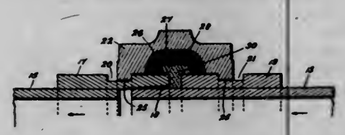
2,295,509
BOOM AND BUCKET DISTRIBUTING APPARATUS FOR CONCRETE MIXERS
Charles F. Ball, Wauwatosa, and Louis G. Hilkemeier, Milwaukee, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 26, 1939, Serial No. 281,299
8 Claims. (Cl. 104—92)



1. In a concrete mixer having a frame, a mixing drum mounted therein, a boom pivoted on said frame for horizontal swinging movements, sheaves carried respectively by said frame and boom adjacent said boom pivot, a distributing bucket mounted on said boom for traverse there-

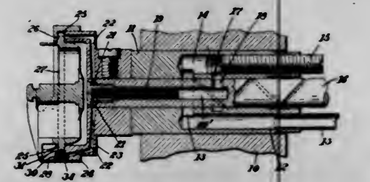
on, cables connected to said bucket and passing around said sheaves, cable-operating mechanism comprising a winding drum for said cables, mounted on said frame for rotary and axial movements, the latter in a plane substantially parallel to the axis of said frame-carried sheaves; means for rotating said winding drum in either direction at will; a screw carried by said winding drum; a nut engaging said screw; and means floatingly connecting said nut to said frame against rotation and axial movement while providing for movement thereof transversely of the axis of the screw; said screw and nut causing axial traverse of the winding drum as it is rotated to maintain the entering and leaving points of the cables on such drum in alinement with the frame-carried sheaves.

2,295,510
FLEXIBLE PIPE SECTION
Charles F. Ball and Charles I. Longenecker, Wauwatosa, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 16, 1941, Serial No. 393,812
5 Claims. (Cl. 138—52)



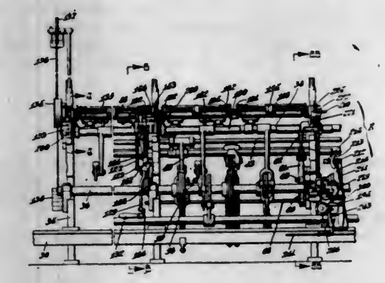
1. In a conduit for conducting plastic concrete mixtures under pressure, a flexible section comprising a plurality of lengths of pipe of uniform internal diameter disposed end to end to provide a passageway of substantially uniform cross sectional area and free from restrictions or obstructions which would induce stowing of the concrete mixture; means encircling the joints between the adjacent ends of the lengths of pipe for preventing transverse and undue longitudinal separation of the latter while providing for angular deflection thereof from true axial alinement; and a concrete-setting inhibitor retained at said joints by said encircling means, whereby to prevent hardening of ingredients of the mixture which may work their way into said joints.

2,295,511
LUBRICATED HOOK FOR SEWING MACHINES
William L. Barron, Laurence Harbor, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 13, 1940, Serial No. 356,571
1 Claim. (Cl. 112—256)



A sewing machine having, in combination, a horizontal rotary shaft provided with a longitudinal bore, means for supplying oil to the bore in said shaft, a rotary hook carried by said shaft and having a cup-shaped body formed with a raceway on the inner periphery of its wall and a pocket formed in the outer periphery of the wall and connected to the raceway by a radially arranged port which is smaller than the pocket and located centrally thereof, a piece of wicking in said pocket which when not compressed is larger than the pocket, a plate attached to the outer periphery of the wall for compressing said wicking to cause a portion thereof to extend into and fill the port connecting the pocket with the raceway, and a conduit for supplying oil from the bore in the shaft to the pocket while the hook is rotating.

2,295,512
WELT BAR HOOKUP APPARATUS
Gottlob Bitzer, Lincoln Park, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application December 30, 1940, Serial No. 372,317
29 Claims. (Cl. 66—96)



14. In a hook-up means for straight knitting machines, a needle row, traveller members arranged to move on parallel lines toward and from said row, means on said members for connecting a welt bar thereto when the bar is connected to the edge of fabric on said row, said means being readily disengageable therefrom to permit the bar to be readily lifted from engagement with said means for the purpose of placing the loops of the first course on the needle row.

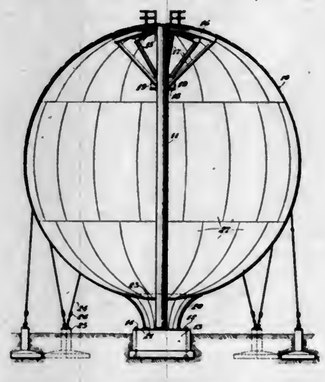
2,295,513
UNSATURATED ESTER
Theodore F. Bradley, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 28, 1941, Serial No. 381,129
1 Claim. (Cl. 260—485)

Diallyl fumarate, a colorless, mobile liquid having a boiling point approximately 114–115° C. at 7 mm. of pressure.

2,295,514
STORAGE TANK
Herbert C. Brinkman, Cincinnati, Ohio, assignor to Stacey Brothers Gas Construction Company, Cincinnati, Ohio, a corporation of Ohio
Application June 29, 1939, Serial No. 281,935
3 Claims. (Cl. 220—1)

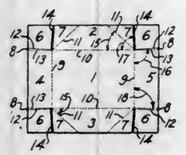
3. A container for gas comprising a spherical tank, a base plate for supporting said tank, said tank including an axially extended tubular conduit having its lower end in gas-tight connection with the base plate for permitting the exertion

of gas pressure against the base plate, the predetermined normal operating pressure within the tank and the area of said base plate exposed to said pressure being so related that the weight of the spherical tank is equal to the total pressure on said base plate, a support extending axially upwardly from the base plate through the conduit and having a broadened upper end nor-



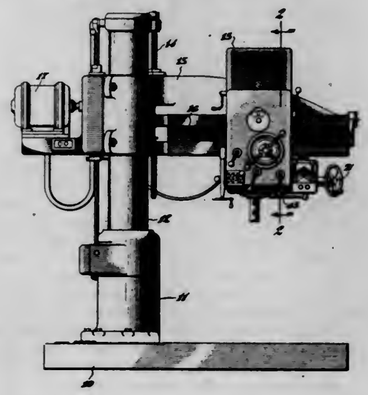
mally supporting the upper portion of the spherical tank when the tank does not contain gas under pressure, said tank adapted to move out of contact with said broadened upper end when the tank contains gas under pressure and a series of tie rods extending from the girth of said spherical tank to points of attachment on the ground for stabilizing said spherical tank against wind pressures.

2,295,515
FOLDING BOX
Roderick W. Hoag, Melrose, Mass., assignor to Harlow M. Russell and Melvin H. Sidebotham, copartners doing business as Russell & Sidebotham, Melrose, Mass.
Application June 6, 1939, Serial No. 277,643
5 Claims. (Cl. 229—32)



1. A rectangular blank for paper boxes having creased lines and cuts fashioned therein, comprising, a pair of creased lines extending longitudinally the length of the blank and being parallel with the side edges of the blank; a pair of transversely creased lines connecting intermediate points of the longitudinally creased lines and being parallel with the end edges of the blank, thus providing a bottom, a pair of end walls and a pair of side margins, said side margins each being provided with two outwardly converging cuts, each cut extending from the junction point of the transversely and longitudinally creased lines to the corresponding side edge of the blank; said cuts effecting a division of the side margins to provide side walls crease-hinged to opposite sides of the bottom, the end portions of the side margins being crease-hinged to the end walls and being wider at the outer edges than at the crease-hinged edges; creased lines radiating from each corner of the bottom lie at an angle slightly less than forty-five degrees from the sides of the bottom across each side wall; each end portion of the side margins being intersected by a creased line extending from a corner of the bottom to the corresponding end edge of the blank and lying close to the corresponding creased line extending longitudinally the length of the blank, effecting a division of each end portion of the side margins to form a corner segment and a wall retaining flap at each corner of the blank.

2,295,516
HEAD TRAVERSE MECHANISM FOR RADIAL DRILLS
William G. Hoelscher, Cincinnati, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio, a corporation of Ohio
Application August 21, 1939, Serial No. 291,110
6 Claims. (Cl. 77—27)

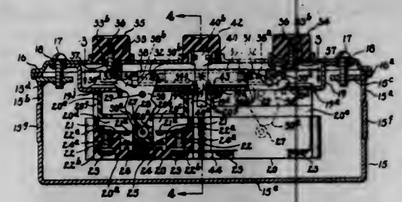


1. Mechanism for traversing the head of a radial drill along the arm thereof, including the rack on the arm and the gear on the head meshing therewith, comprising; a shaft for said gear, a power driven gear loosely rotatably mounted on the shaft, a hand driven gear loosely rotatably mounted on the shaft, a coupling element in splined driving connection with the shaft, means for shifting said coupling element from coupling engagement with said power driven gear to coupling engagement with said hand driven gear or vice versa, said coupling element normally held in coupling engagement with the hand operated gear, power mechanism including reversing clutches for driving said power driven gear and, a control lever operatively connected with the clutches and with the means for shifting the coupling element whereby the coupling element is connected to the power driven gear when either of the clutches is engaged.

2,295,517
OPERATING MECHANISM FOR ELECTRIC SWITCHES
George J. Meuer, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application March 17, 1941, Serial No. 383,667
9 Claims. (Cl. 200—5)

1. As an article of manufacture, a manually operable switch assembly of the pushbutton type comprising, a metal supporting member having a

substantially flat portion, a pair of multi-pole switches of like form secured to said flat portion, each of said switches having a pivoted operating lever extending forwardly beyond the front face of said flat portion, a pushbutton pivotally connected with each lever in offset relation to the point of pivotal support of the latter, means comprising a coiled tension spring having its opposite ends attached to said levers at points offset from the points of pivotal support thereof to normally bias each of said pushbuttons to a given extreme position forwardly of the front face of said flat portion, means comprising a metal member pivotally attached to each of said levers to positively prevent simultaneous depression of said pushbuttons to their inner extreme positions, means including a pivotally supported and spring-biased latch member operable automatically to retain either of said pushbuttons in its inner ex-



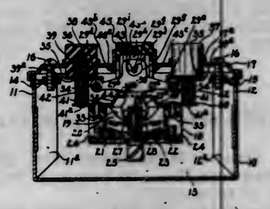
treme position when depressed, a third pushbutton pivotally attached to said latch member whereby the former is normally biased to its outer extreme position, said third pushbutton being adapted when depressed to effect release of either of said other pushbuttons for movement of the latter under the bias of said tension spring to the forward extreme position thereof, for the purpose set forth, and a cover member attached to said supporting member in a plane parallel to and spaced forwardly from the latter and adapted to conceal all of the switch parts except the cylindrical upper end portions of said pushbuttons, said cover member having openings formed therein to accommodate said cylindrical upper end portions of the respective pushbuttons and to restrict at least the two first mentioned pushbuttons to reciprocatory movement in a substantially straight line.

2,295,518

OPERATING MECHANISM FOR ELECTRIC SWITCHES

George J. Meuer, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application May 15, 1941, Serial No. 393,608
9 Claims. (Cl. 200—17)



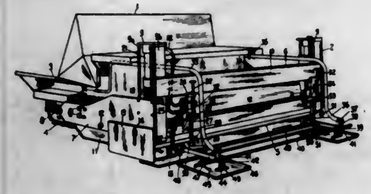
1. As an article of manufacture, a manually operable switch assembly of the pushbutton type comprising, a flat punched sheet metal supporting member, a unitary double-throw switch mechanism secured to said supporting member, actuating means for said switch mechanism comprising a pair of opposite end pushbuttons and a third pushbutton located therebetween, a pivoted rigid lever having oppositely extending arms to which said end pushbuttons are respectively pivotally connected, a pair of coiled compression springs interposed between the respective end pushbuttons and said supporting member, whereby said end pushbuttons are normally biased toward their upper extreme positions, said lever cooperating with said end pushbuttons to positively prevent simultaneous depression of both of the same, each of said end pushbuttons when depressed being adapted to effect a circuit completing operation of said switch mechanism, associated means common to said end pushbuttons and operable automatically to retain either of the same in its lower extreme position when depressed, said third pushbutton being spring-biased toward its upper extreme position, and said third pushbutton having a part thereof cooperable with said lever and adapted upon temporary depression of the former to effect return of either of said end pushbuttons from its depressed position, to thereby effect circuit interrupting operation of said switch mechanism.

2,295,519

APPARATUS FOR SURFACING ROADS

Arnold S. Millikin and Henry M. Pickard, Columbus, Ohio, assignors to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio

Application August 4, 1940, Serial No. 351,302
14 Claims. (Cl. 94—46)



1. A machine for surfacing a road or the like comprising a unit embodying a screed member, a frame for supporting said screed member, a hydraulic cylinder and piston unit for suspending said screed member on said frame for vertical movement, means for supporting said frame for movement along the surface to be covered, automatic means for actuating said cylinder and piston unit to change the elevation of said screed on said frame to compensate for vertical movement of said frame as the machine moves along the surface to be covered, said means comprising a control member adapted to operate on the finished surface produced by the screed, said control member being connected to a control valve which serves to actuate said cylinder and piston unit whenever the frame moves vertically relative to said control member.

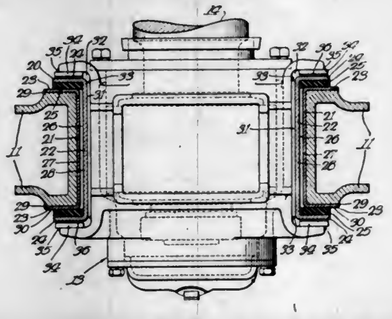
2,295,520

TRUCK PEDESTAL

Peter Parke, Chicago, Ill., assignor to The Pullman Company, Chicago, Ill., a corporation of Illinois

Application April 12, 1940, Serial No. 329,231
6 Claims. (Cl. 105—225)

1. A truck frame having spaced pedestals, a journal box therebetween having vertically disposed pedestal ways adapted to receive the respective pedestals, said respective pedestal ways and pedestals having areas therebetween channel-shaped in plan section, and cushioned pedestal liners fitting in said areas comprising plates each having webs and flanges disposed in respectively spaced relation with rubber pads secured between the opposing flanges at opposite sides of the respective pedestals, certain of said plates



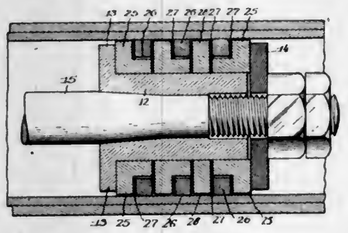
being secured to the respective pedestals whereby the other of said plates have vertically sliding engagement with said pedestal ways and whereby relative deflections between the pedestals and journal box in a direction parallel to the general plane of the rubber are absorbed in shear by said pads, said webs being spaced a lesser distance apart than said flanges thereby to limit the amount of shear imposed on the rubber pads.

2,295,521

PISTON HEAD ASSEMBLY

Frank E. Payne, Glencoe, and Thomas L. Gatke, Oak Park, Ill.

Application November 7, 1940, Serial No. 364,722
4 Claims. (Cl. 309—4)



3. A piston head assembly comprising a piston having an elongated cylindrical surface of uniform diameter with a fixed flange at one end and a removable flange at the other end thereof, a plurality of spaced guide rings having a sliding fit over said cylindrical surface, a plurality of spacing rings alternating with said guide rings and each having a sliding fit on said cylindrical surface, said spacing rings having a radial thickness no more than half that of said guide rings, separators between said guide rings and spacing rings also having a sliding fit over said cylindrical surface and having an outside diameter slightly less than that of said guide rings, and a sealing ring surrounding each of said guide rings with a clearance between the two, said sealing rings being compressed between said separators

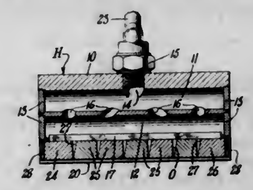
by said removable end flange when tightened in position, certain of said rings being made of a hard, low friction material which has substantially no expansion or contraction when subjected to oil or water or to temperatures of several hundred degrees.

2,295,522

BLOWPIPE HEAD

Albert Edward Shorter, Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y., a corporation of Ohio

Application October 10, 1941, Serial No. 414,487
In Great Britain September 12, 1940
9 Claims. (Cl. 158—27.4)



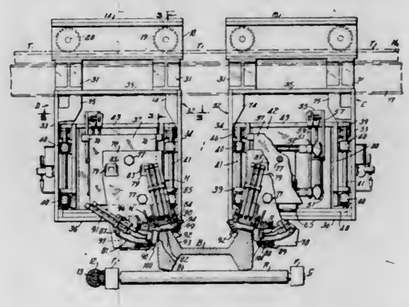
6. A blowpipe head for heating uniformly a relatively wide surface, comprising a body having a channel in a face thereof, a combustible gas distributing passage within said body communicating with said channel, at least one block secured in said channel and defining a plurality of relatively long and narrow substantially parallel outlets having a decreasing cross-sectional area in the direction away from said passage and inclined at an angle to the side walls of said channel, metallic bonding material closing gas tightly all openings from said channel excepting said slots and the communication between said channel and said passage and deposited metal substantially filling the channel adjacent each end thereof.

2,295,523

APPARATUS FOR CONDITIONING THE SURFACES OF METAL BODIES

James H. Bucknam, Melvin J. Harris, and Alfred J. Miller, Cranford, N. J., assignors to The Linde Air Products Company, a corporation of Ohio

Application May 3, 1939, Serial No. 271,486
19 Claims. (Cl. 266—23)

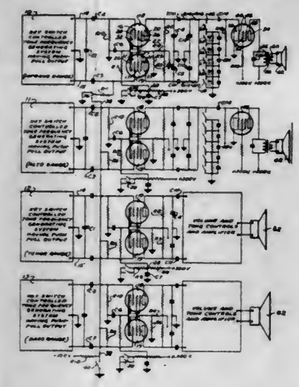


1. In apparatus for thermally conditioning longitudinal surface areas of ferrous metal bodies, the combination comprising a frame; means for causing relative movement of the body and the frame in a direction along the surface areas to be conditioned; blowpipe means for ap-

plying gas against said surface areas; mechanism for supporting said blowpipe means on said frame in an operative position adjacent said surface areas, said mechanism providing universal movement of said blowpipe means substantially in a transverse plane relative to said body, and said mechanism being arranged for maintaining said blowpipe means in operative relation to said areas irrespective of variations in successive portions of said areas during said relative movement therealong and for permitting movement of said blowpipe means toward and away from said body; means for raising and lowering said blowpipe means; and means operative during the upward movement of said blowpipe means for shifting said blowpipe means transversely into normal alignment with said frame when displaced from such alignment in the lowered position.

2,295,524
ELECTRICAL MUSICAL INSTRUMENT
John M. Hanert, Wilmette, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware
Application May 29, 1941, Serial No. 395,755
8 Claims. (Cl. 84—1.19)

1. In an electrical musical instrument, the combination of a plurality of tone frequency generating systems having different tonal ranges, a separate output system for each of said generating systems, a separate signal transmitting system between each of said generating systems and its output system, each of said signal transmitting systems comprising a pair of channels connected to receive signals from their associated generating system in 180° phase relation, one of

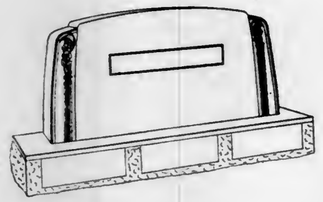


each of said pairs of channels being effective to attenuate the signal to an appreciably greater extent than the other, and means common to all of said transmission systems for rendering the attenuating channel of each of them ineffective.

DESIGNS

SEPTEMBER 8, 1942

133,690
DESIGN FOR A MONUMENT
Oliver Wilbert Anderson, Cedar Rapids, Iowa
Application May 26, 1942, Serial No. 107,011
Term of patent 3½ years



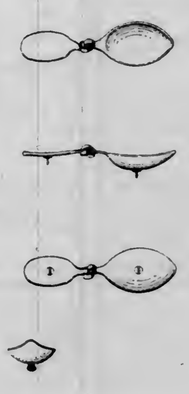
The ornamental design for a monument, as shown and described.

133,691
DESIGN FOR A TABLE
Harold G. Arnold, Wooster, Ohio, assignor to Toy Craft, Inc., a corporation of Ohio
Application September 5, 1941, Serial No. 103,181
Term of patent 3½ years



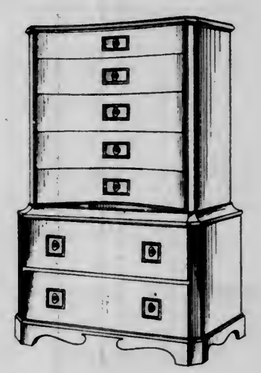
The ornamental design for a table, as shown and described.

133,692
DESIGN FOR A CLASP
Barbara Beach, San Francisco, Calif.
Application November 19, 1940, Serial No. 96,680
Term of patent 3½ years



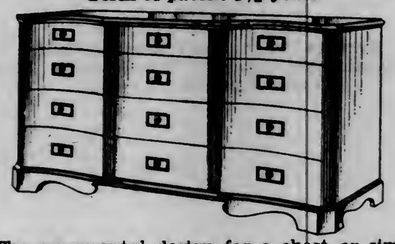
The ornamental design for a clasp, substantially as shown.

133,693
DESIGN FOR A CHEST OR SIMILAR ARTICLE
Anthony J. Buckner, Jackson Heights, N. Y., assignor to Grosfeld House, Inc., New York, N. Y., a corporation of New York
Application July 14, 1942, Serial No. 107,527
Term of patent 3½ years



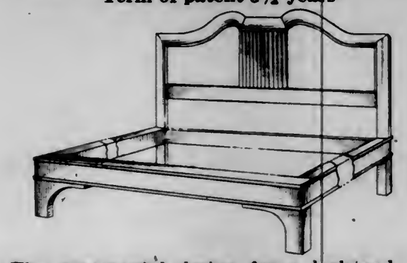
The ornamental design for a chest or similar article, substantially as shown.

133,694
DESIGN FOR A CHEST OR SIMILAR ARTICLE
Anthony J. Buckner, Jackson Heights, N. Y., assignor to Grosfeld House, Inc., New York, N. Y., a corporation of New York
Application July 14, 1942, Serial No. 107,528
Term of patent 3½ years



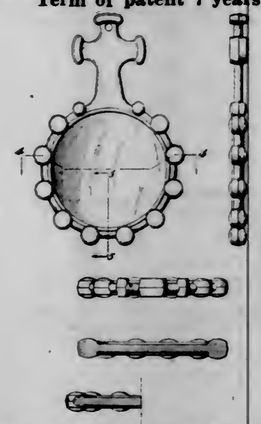
The ornamental design for a chest or similar article, substantially as shown.

133,695
DESIGN FOR A BEDSTEAD
Anthony J. Buckner, Jackson Heights, N. Y., assignor to Grosfeld House, Inc., New York, N. Y., a corporation of New York
Application July 22, 1942, Serial No. 107,653
Term of patent 3½ years



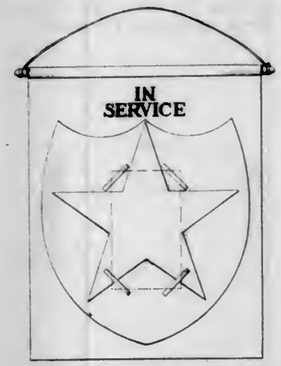
The ornamental design for a bedstead, substantially as shown and described.

133,696
DESIGN FOR A PRAYER TOKEN OR THE LIKE
Catherine M. Connolly, Chicago, Ill.
Application July 20, 1942, Serial No. 107,623
Term of patent 7 years



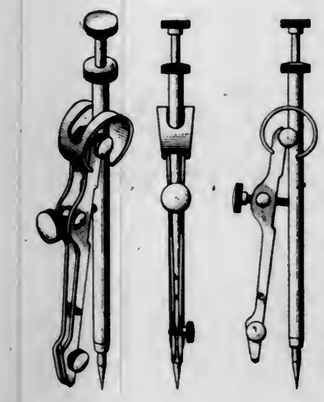
The ornamental design for a prayer token or the like, substantially as shown.

133,697
DESIGN FOR A PICTURE CARRYING SERVICE BANNER
William G. Cook, Jr., Greenville, Pa.
Application June 26, 1942, Serial No. 107,350
Term of patent 3½ years



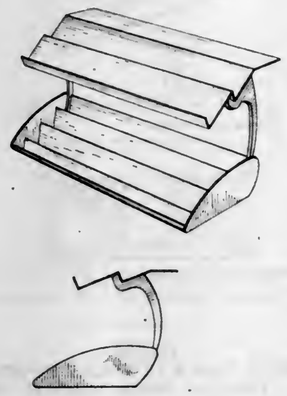
The ornamental design for a picture carrying service banner, substantially as shown and described.

133,698
DESIGN FOR A DROP BOW COMPASS
Floyd G. Eubanks, Pasadena, Calif., assignor of forty-seven and one-half per cent to Francis E. Vaughan, Pasadena, Calif., and five per cent to Robert M. McManigal, Compton, Calif.
Application February 18, 1942, Serial No. 105,880
Term of patent 14 years



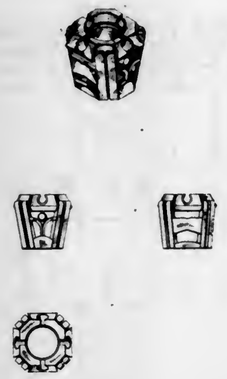
The ornamental design for a drop bow compass, as shown.

133,699
DESIGN FOR A DISPLAY CASE
Julian G. Everett, Dobbs Ferry, and Charles J. Clark, Port Washington, N. Y., assignors to American Chicle Co., Long Island City, N. Y., a corporation of New Jersey
Application May 28, 1942, Serial No. 107,044
Term of patent 7 years



The ornamental design for a display case, as shown.

133,700
DESIGN FOR A GEM MOUNTING
Leo Granat, San Francisco, Calif.
Application November 29, 1941, Serial No. 104,401
Term of patent 7 years



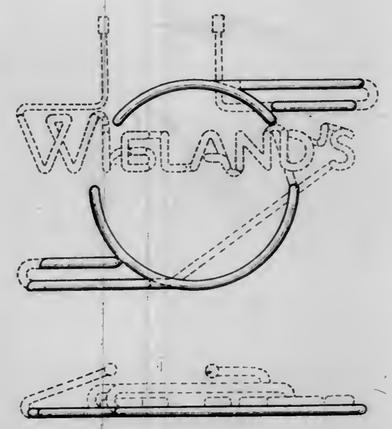
The ornamental design for a gem mounting, substantially as shown.

133,701
DESIGN FOR A SHOE
Hans Henkel, Baltimore, Md., assignor to Dixon-Bartlett Company, a corporation of West Virginia
Application May 5, 1942, Serial No. 106,799
Term of patent 7 years



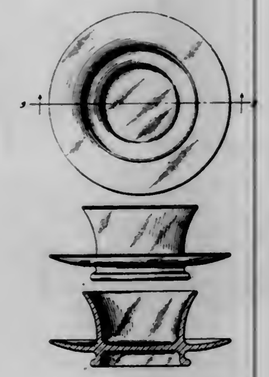
The ornamental design for a shoe, as shown.

133,702
DESIGN FOR A NEON TUBULAR SIGN
Donald McAfee, San Mateo, and Sam Gisnet, San Francisco, Calif., assignors to Pacific Brewing & Malting Co., San Jose, Calif., a corporation of California
Application April 11, 1941, Serial No. 100,325
Term of patent 3½ years



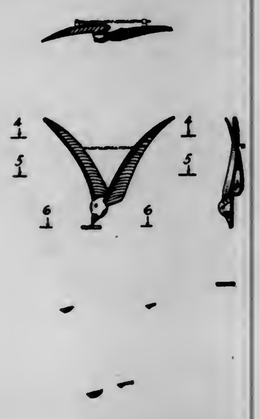
The ornamental design for a neon tubular sign, as shown.

133,703
DESIGN FOR A COMBINED BOWL AND PLATE
Samuel E. Parker, Dunkirk, Ind.
Application May 7, 1942, Serial No. 106,813
Term of patent 14 years



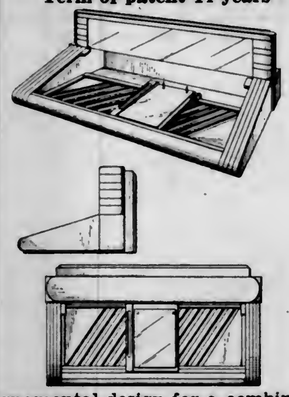
The ornamental design for a combined bowl and plate, as shown.

133,704
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Belmiro Pereira, Forest Hills, N. Y.
Application July 17, 1942, Serial No. 107,585
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown and described.

133,705
DESIGN FOR A COMBINED DISPLAY CASE AND PEN DEMONSTRATOR UNIT
Paul M. Ressinger, Chicago, Ill.
Application November 14, 1941, Serial No. 104,150
Term of patent 14 years



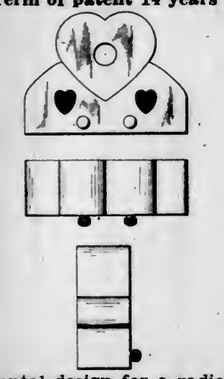
The ornamental design for a combined display case and pen demonstrator unit, as shown.

133,706
DESIGN FOR A JEWELRY FINDING
Charles L. Thatcher, South Attleboro, Mass., assignor to Marathon Company, a corporation of Massachusetts
Application July 10, 1942, Serial No. 107,466
Term of patent 3½ years



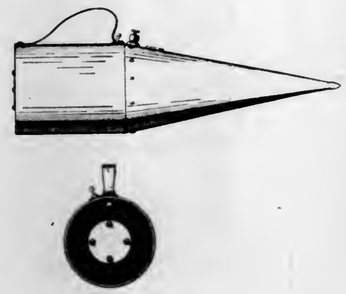
The ornamental design for a jewelry finding, substantially as shown.

133,707
DESIGN FOR A RADIO CABINET
William Rudolph Ballard, Kansas City, Mo.
Application December 30, 1941, Serial No. 104,922
Term of patent 14 years



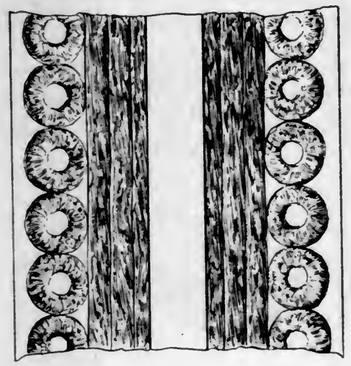
The ornamental design for a radio cabinet, as shown and described.

133,708
DESIGN FOR A POWER DRIVEN HAND SPRAYER
Nicholas A. Constantine, Duluth, Minn.
Application December 1, 1941, Serial No. 104,418
Term of patent 7 years



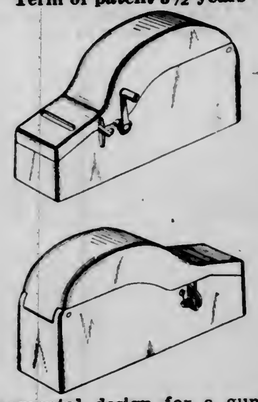
The ornamental design for a power driven hand sprayer, as shown.

133,709
DESIGN FOR WRAPPING PAPER
John W. Elder, Middletown, Ohio
Application July 14, 1942, Serial No. 107,534
Term of patent 14 years



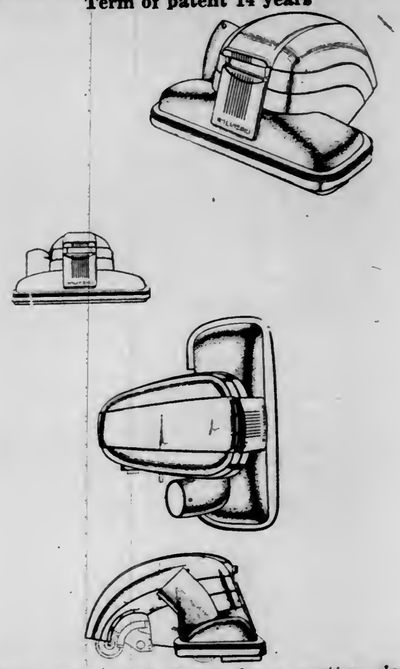
The ornamental design for wrapping paper, as shown.

133,710
DESIGN FOR A GUMMED PAPER TAPE DISPENSER
Harry F. Gilliam, Kansas City, Mo.
Application March 2, 1942, Serial No. 106,047
Term of patent 3½ years



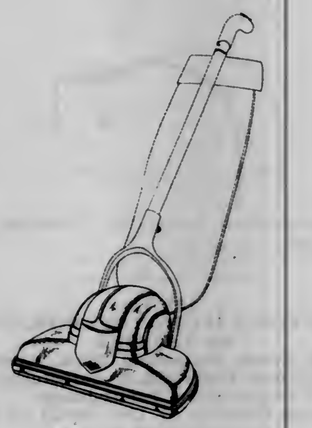
The ornamental design for a gummed paper tape dispenser, as shown.

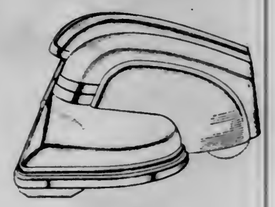
133,711
DESIGN FOR A SUCTION CLEANER CASING OR THE LIKE
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application February 27, 1941, Serial No. 99,255
Term of patent 14 years

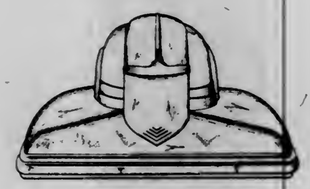


The ornamental design for a suction cleaner casing or the like, substantially as shown and described.

133,712
DESIGN FOR A SUCTION CLEANER OR SIMILAR APPARATUS
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application August 14, 1941, Serial No. 102,828
Term of patent 14 years

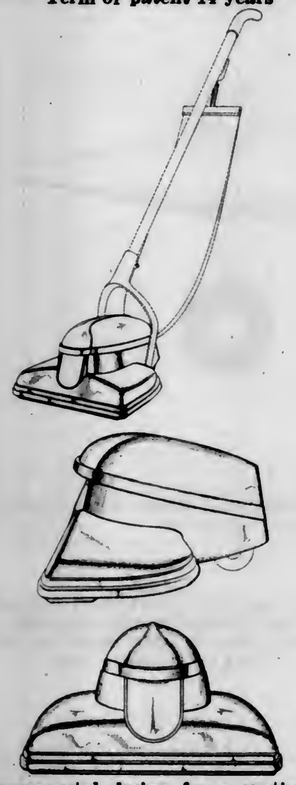






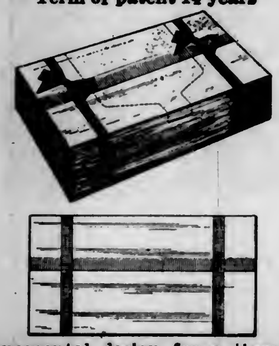
The ornamental design for a suction cleaner or similar apparatus, substantially as shown and described.

133,713
DESIGN FOR A SUCTION CLEANER OR SIMILAR APPARATUS
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application August 14, 1941, Serial No. 102,829
Term of patent 14 years



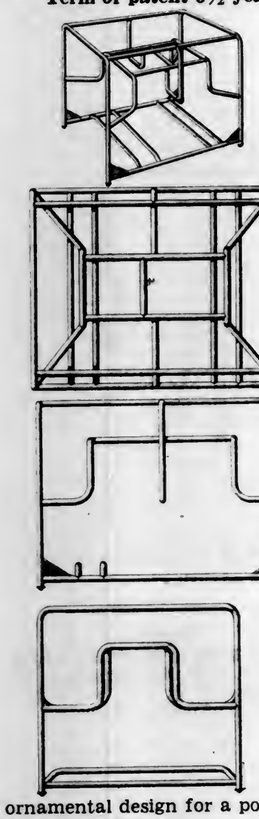
The ornamental design for a suction cleaner or similar apparatus, substantially as shown and described.

133,714
DESIGN FOR A TISSUE PACKAGE
William Medoff, Forest Hills, Long Island, N. Y.
Application June 13, 1942, Serial No. 107,185
Term of patent 14 years



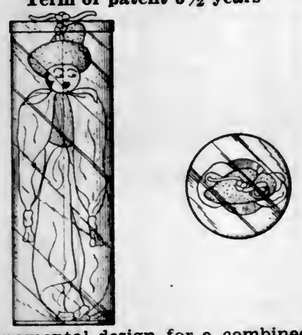
The ornamental design for a tissue package, substantially as shown.

133,715
DESIGN FOR A PORTABLE FUEL DISPENSER FRAME
Frederick E. Neef, Jr., United States Army, Baltimore, Md.
Application June 20, 1942, Serial No. 107,268
Term of patent 3½ years



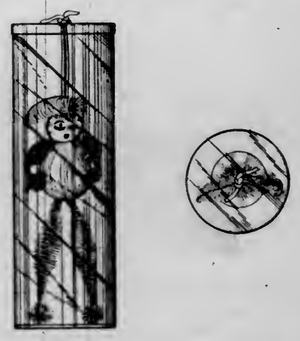
The ornamental design for a portable fuel dispenser frame, as shown.

133,716
DESIGN FOR A COMBINED SACHET AND CONTAINER
Albert H. Newman, Chicago, Ill.
Application July 30, 1942, Serial No. 107,765
Term of patent 3½ years



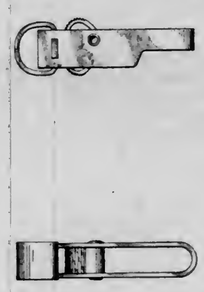
The ornamental design for a combined sachet and container, as shown.

133,717
DESIGN FOR A COMBINED SACHET AND CONTAINER
Albert H. Newman, Chicago, Ill.
Application July 30, 1942, Serial No. 107,764
Term of patent 3½ years



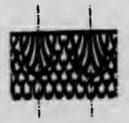
The ornamental design for a combined sachet and container, as shown.

133,718
DESIGN FOR A ROPE ANCHOR
John A. Truhon, Detroit, Mich.
Application May 25, 1942, Serial No. 107,005
Term of patent 7 years



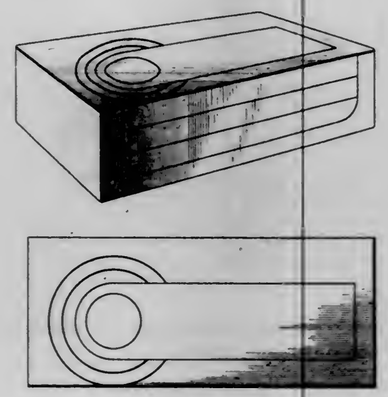
The ornamental design for a rope anchor, substantially as shown.

133,719
DESIGN FOR A LACE
Rudolph Dannecker, Beacon, N. Y.
Application June 4, 1942, Serial No. 107,107
Term of patent 3½ years



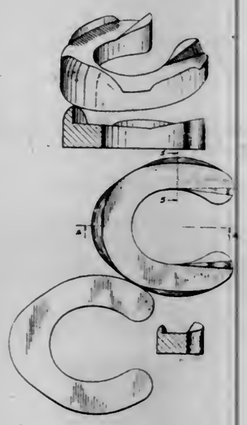
The ornamental design for a lace, substantially as shown and described.

133,720
DESIGN FOR A PACKAGE FOR HOSIERY
Norman S. Ilges, Columbus, Ga., assignor to Shannon Hosiery Mills, Incorporated, Columbus, Ga., a corporation of Georgia
Application October 17, 1941, Serial No. 103,797
Term of patent 7 years



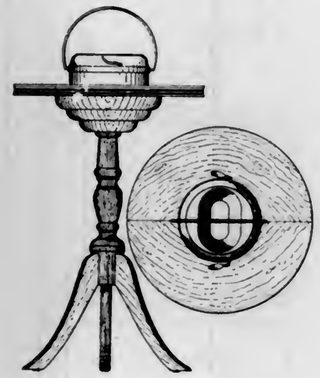
The ornamental design for a package for hosiery, as shown and described.

133,721
DESIGN FOR A HORSESHOE
Gordon Alexander Allan King, Kew, England
Application February 2, 1942, Serial No. 105,601
In Great Britain October 17, 1941
Term of patent 14 years



The ornamental design for a horseshoe, substantially as shown and described.

133,722
DESIGN FOR A COCKTAIL SMOKER
James B. Ladd, Chicago, Ill., assignor to Cadet Smokestands Co., Des Moines, Iowa, a trust
Application January 5, 1942, Serial No. 105,031
Term of patent 14 years



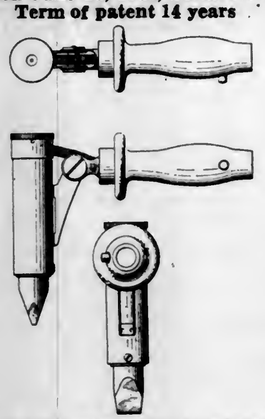
The ornamental design for a cocktail smoker, substantially as shown.

133,723
DESIGN FOR A DISPLAY RACK
Edward P. May, New Brighton, Pa.
Application February 13, 1942, Serial No. 105,788
Term of patent 14 years



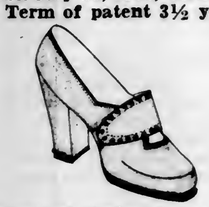
The ornamental design for a display rack, as shown.

133,724
DESIGN FOR AN ELECTRIC SOLDERING DEVICE
Benjamin P. McKinley, Chicago, Ill.
Application June 14, 1941, Serial No. 101,472
Term of patent 14 years



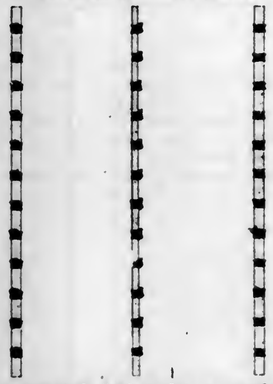
The ornamental design for an electric soldering device, as shown and described.

133,725
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 25, 1942, Serial No. 107,698
Term of patent 3½ years



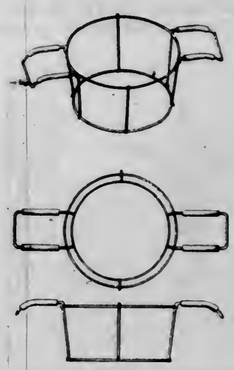
The ornamental design for a shoe, substantially as shown and described.

133,726
DESIGN FOR A COMBINED WIRED CHENILLE AND FELT STRIPPING
Bernard Workman, New York, N. Y.
Application June 4, 1942, Serial No. 107,117
Term of patent 7 years



The ornamental design for a combined wired chenille and felt stripping, substantially as shown.

133,727
DESIGN FOR A MILK PAIL HOLDER
Edith Sarah Reid, Kansas City, Mo.
Application June 2, 1941, Serial No. 101,258
Term of patent 7 years



The ornamental design for a milk pail holder, as shown.

133,728
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,902
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,729
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,903
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,730
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,904
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,731
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,905
Term of patent 3½ years



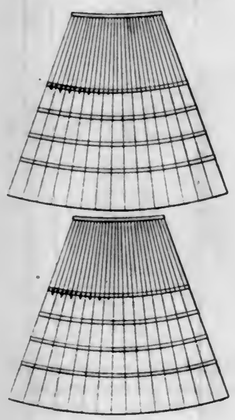
The ornamental design for a brooch or similar article, substantially as shown.

133,732
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,906
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,733
DESIGN FOR A TUCKED SKIRT
Moe Greendale, Chicago, Ill., assignor to Advance Button and Pleating Co., Chicago, Ill., a corporation of Illinois
Application March 23, 1942, Serial No. 106,282
Term of patent 7 years



The ornamental design for a tucked skirt, as shown and described.

133,734
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,896
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,735
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,897
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,736
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,899
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,737
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,900
Term of patent 3½ years



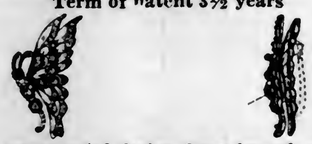
The ornamental design for a brooch or similar article, substantially as shown.

133,738
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,901
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,739
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,907
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,740
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,908
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,741
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,909
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,742
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,910
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,743
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,911
Term of patent 3½ years



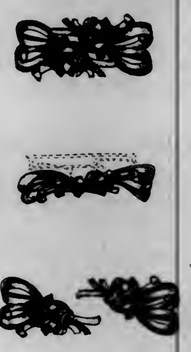
The ornamental design for a brooch or similar article, substantially as shown.

133,744
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,912
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,745
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,913
Term of patent 3½ years



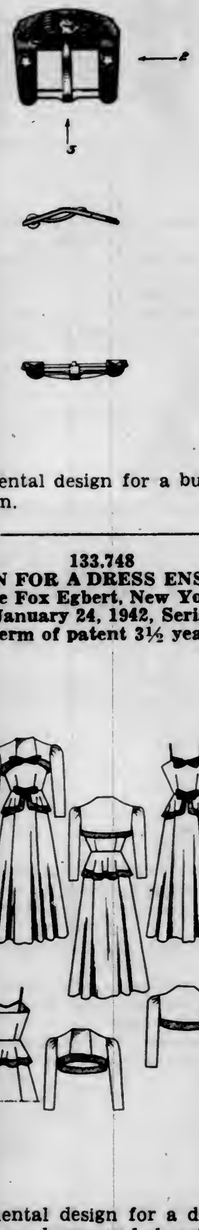
The ornamental design for a separable brooch, substantially as shown.

133,746
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application August 12, 1942, Serial No. 107,914
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,747
DESIGN FOR A BUCKLE
William A. Nelson and Ralph L. Bringolf, Houston, Tex.
Application June 16, 1942, Serial No. 107,214
Term of patent 7 years



The ornamental design for a buckle, substantially as shown.

133,748
DESIGN FOR A DRESS ENSEMBLE
Montrose Fox Egbert, New York, N. Y.
Application January 24, 1942, Serial No. 105,400
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

133,749
DESIGN FOR A DRESS ENSEMBLE
Montrose Fox Egbert, New York, N. Y.
Application January 24, 1942, Serial No. 105,401
Term of patent 3½ years



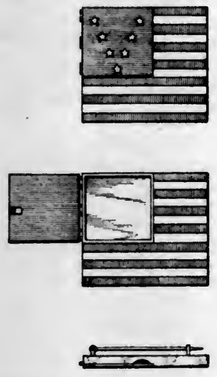
The ornamental design for a dress ensemble, substantially as shown.

133,750
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Edward D. Kuekes, Berea, Ohio
Application December 26, 1941, Serial No. 104,853
Term of patent 3½ years



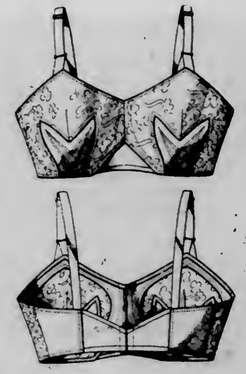
The ornamental design for a badge or similar article, as shown and described.

133,751
DESIGN FOR A PIN OR SIMILAR ARTICLE
Philip Sol, Chicago, Ill.
Application June 20, 1942, Serial No. 107,271
Term of patent 3½ years



The ornamental design for a pin or similar article, as shown.

133,752
DESIGN FOR A BANDEAUX BRASSIÈRE
Suzanne Redares, North Hollywood, Calif., assignor to Anne Alt, Rolling Hills, Calif.
Application February 18, 1942, Serial No. 105,886
Term of patent 14 years



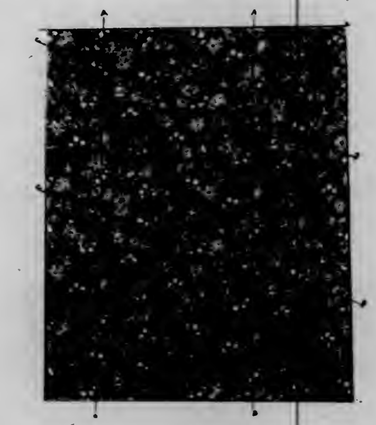
The ornamental design for a bandeaux brassière, as shown.

133,753
DESIGN FOR A LONG-LINE BRASSIÈRE
Suzanne Redares, North Hollywood, Calif., assignor to Anne Alt, Rolling Hills, Calif.
Application February 18, 1942, Serial No. 105,887
Term of patent 14 years



The ornamental design for a long-line brassière, as shown.

133,754
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Michael Angelo Susi, New York, N. Y., assignor to Vogue Prints, Inc., New York, N. Y.
Application August 19, 1942, Serial No. 107,972
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, substantially as shown and described.

133,755
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application August 5, 1942, Serial No. 107,822
Term of patent 3½ years



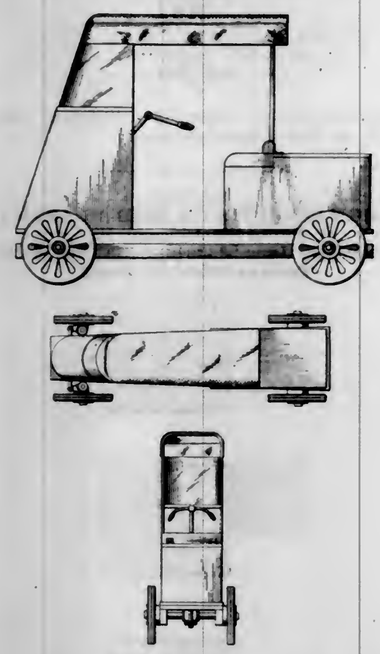
The ornamental design for an embroidered trimming or similar article, substantially as shown.

133,756
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application August 5, 1942, Serial No. 107,823
Term of patent 3½ years



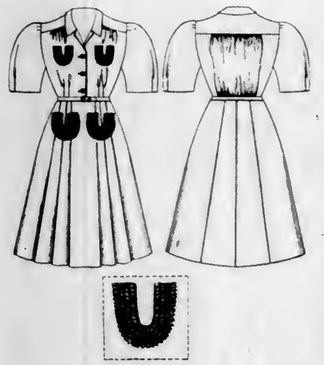
The ornamental design for an embroidered trimming or similar article, substantially as shown.

133,757
DESIGN FOR A SERVICE WAGON
William Francis Andrick, Detroit, Mich.
Application May 16, 1942, Serial No. 106,918
Term of patent 14 years



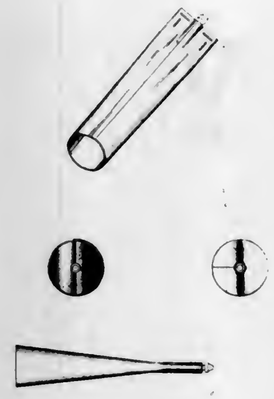
The ornamental design for a service wagon, as shown.

133,758
DESIGN FOR A DRESS
Jerome J. Franck, New York, N. Y.
Application July 29, 1942, Serial No. 107,738
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

133,759
DESIGN FOR A COLLAPSIBLE TUBE BLANK
Hugo Mock, New York, N. Y.
Application May 16, 1942, Serial No. 106,921
Term of patent 7 years



The ornamental design for a collapsible tube blank, substantially as shown and described.

133,760
DESIGN FOR A DRESS
Jacob Moskowitz, New York, N. Y.
Application June 20, 1942, Serial No. 107,263
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,761
DESIGN FOR A DRESS
Jacob Moskowitz, New York, N. Y.
Application July 31, 1942, Serial No. 107,776
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,762
DESIGN FOR A DRESS
Netye Carson, New York, N. Y.
Application August 12, 1942, Serial No. 107,893
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,763
DESIGN FOR A DRESS
Netye Carson, New York, N. Y.
Application August 12, 1942, Serial No. 107,894
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,764
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application August 17, 1942, Serial No. 107,945
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,765
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application August 19, 1942, Serial No. 107,971
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,766
DESIGN FOR A DRESS
David E. Gottlieb, New York, N. Y.
Application August 12, 1942, Serial No. 107,891
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,767
DESIGN FOR A DRESS
Fred Greenberg, New York, N. Y.
Application August 17, 1942, Serial No. 107,946
Term of patent 3½ years



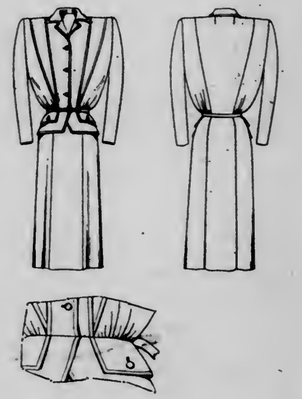
The ornamental design for a dress, substantially as shown.

133,768
DESIGN FOR A DRESS
Boje Hoffmann, New York, N. Y.
Application August 17, 1942, Serial No. 107,947
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,769
DESIGN FOR A DRESS
Boje Hoffmann, New York, N. Y.
Application August 17, 1942, Serial No. 107,948
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,770
DESIGN FOR A DRESS
Helen May, New York, N. Y.
Application August 17, 1942, Serial No. 107,950
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,771
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application August 12, 1942, Serial No. 107,916
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,772
DESIGN FOR A DRESS
Harold H. Stahl, New York, N. Y.
Application August 17, 1942, Serial No. 107,941
Term of patent 3½ years



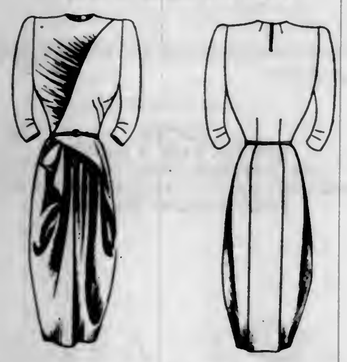
The ornamental design for a dress, substantially as shown.

133,773
DESIGN FOR A DRESS
Harold H. Stahl, New York, N. Y.
Application August 17, 1942, Serial No. 107,942
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,774
DESIGN FOR A DRESS
Philip Zahn, New York, N. Y.
Application August 17, 1942, Serial No. 107,944
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

Patents Nos. 2,295,525 to 2,296,237

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 542—No. 3 TUESDAY, SEPTEMBER 15, 1942 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of September 15, 1942	387
Interference Notices	387
Adverse Decisions in Interference	387
Disclaimers	387
Applications Under Examination	388
Decisions of the U. S. Courts—	
In re Nallinger	389
In re Mead	390
Foss v. Oglesby, Reilly and Olibert	392
Burmel Handkerchief Corporation v. Cluett, Peabody & Co., Inc.	395
Patent Suits	397
Trade-Marks Published (88 Applications)	399
Trade-Mark Registrations Granted	410
Trade-Mark Registrations Renewed	413
Reissues	415
Patents Granted	416
Designs	587

September 15, 1942

Trade-Marks	82	No. 397,656 to No. 397,737, inclusive.
T. M. Renewals	11	
Reissues	1	No. 22,178
Patents	713	No. 2,295,525 to No. 2,296,237, inclusive.
Designs	43	No. 133,775 to No. 133,817, inclusive.
Total	850	

Interference Notices

U. S. PATENT OFFICE, *Richmond, Va., Aug. 24, 1942.*

Clifford W. Pfluger, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Jack's, 122 West Franklin St., Baltimore, Md., for registration of a trade-mark and trade-mark registered June 20, 1933, No. 304,045, to Clifford W. Pfluger, 609 West 158th St., New York, N. Y., and the notice of such proceeding sent by registered mail to said Pfluger at the said address and reforwarded to him at 1218 University Ave., New York, N. Y., having been returned by the post office undeliverable, notice is hereby given that unless said Clifford W. Pfluger, his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Aug. 28, 1942.*

Bake-Rite Oven Mfg. Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Wilson & Co., Inc., 4100 South Ashland Avenue, Chicago, Illinois, for registration of a trade-mark and trade-mark registered September 26, 1922, No. 159,269, to Bake-Rite Oven Mfg. Co., 603–605 Hearst Building, San Francisco, California, and the notice of such proceeding sent by registered mail to said Bake-Rite Oven Mfg. Co. at the said address and reforwarded to it at Reno, Nevada, having been returned by the post office undeliverable, notice is hereby given that unless said Bake-Rite Oven Mfg. Co., its assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,245,760, W. J. Clements, Vacuum cleaner, decided August 18, 1942, claims 3, 4, 8, 9, and 13.

Pat. 2,262,865, T. M. Shrader, Volume control circuits, decided August 14, 1942, claims 1, 2, 3, 4, 6, and 8.

Pat. 2,144,033, J. J. Root, Electrical timing control, decided August 15, 1942, claims 10 and 23.

Pat. 2,181,690, D. L. Boyd, Heating means for plate cylinder of a rotary press, decided August 21, 1942, claims 1, 2, 3, 4, 5, 6, and 7.

Pat. 2,225,295, D. L. Boyd, Method of applying wax carbon to paper, decided August 21, 1942, claims 1, 2, 3, and 4.

Pat. 2,261,024, R. S. Hanslick, Vulcanization accelerator, decided August 17, 1942, claims 1, 3, and 5.

Pat. 2,072,273, C. W. Obert, Pressure vessel shell and method of forming the same, decided July 3, 1942, claims 14, 16, 17, 18, and 19.

Pat. 2,188,136, Lindsay, Wiggins and Press, Visual tuning indicator, decided June 30, 1942, claims 11 and 14.

Disclaimers

2,261,024.—*Roy S. Hanslick*, New Haven, Conn. VULCANIZATION ACCELERATOR. Patent dated October 28, 1941. Disclaimer filed August 20, 1942, by the assignee, *United States Rubber Company.*

Hereby enters this disclaimer to claims 1, 3, and 5 of said patent.

2,243,614.—*Julius Vogel*, Chicago, Ill. APPARATUS AND METHOD FOR TREATING TUBULAR MEMBERS. Patent dated May 27, 1941. Disclaimer filed August 25, 1942, by the patentee.

Hereby enters this disclaimer to claims 1, 2, 5, 11, 12, 21, 22, 23, 24, and 25.

Condition of Applications Under Examination at Close of Business August 29, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,515; Trade-Mark Division, 891. Oldest new case, Oct. 20, 1941; oldest amended, Oct. 13, 1941.)
(The dates given are 1942 except where † indicates 1941)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Domestic Cooking Vessels; Sewerage.	Jan. 20	Feb. 12	611
2. HERRMANN, D., Fishing and Trapping; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Jan. 27	Jan. 9	482
3. WOLFFE, S. (Acting), Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Jan. 19	Feb. 4	846
4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Feb. 21	Feb. 28	478
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	Apr. 11	Apr. 11	222
6. GENIESSE, E. W., Carbon Chemistry (part)	†Dec. 31	Jan. 2	1312
7. JARBOE, C. G., Optics, Photography	†Nov. 25	†Nov. 28	1248
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Jan. 30	Feb. 2	697
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Mar. 2	Feb. 20	644
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	May 19	May 4	286
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Stop Mechanisms	Mar. 4	Feb. 27	380
13. BORLIK, F. J., Metal Working (part); Gear Cutting, Milling and Planing; Needle and Pin Making	†Dec. 11	†Dec. 3	661
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Mar. 30	Mar. 30	607
15. HENKIN, BENJ., Glass, Plastic Block and Earthenware Apparatus; Plastics	†Dec. 15	†Dec. 9	1145
16. SPENCER, C. J., Telegraphy; Telephony	Feb. 5	Feb. 21	694
17. HABECKER, LEON B., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	†Nov. 14	†Nov. 13	1025
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines	Feb. 10	†Dec. 13	519
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	†Dec. 8	Jan. 19	762
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part).	Jan. 28	Apr. 15	344
21. THOMPSON, T. J., Textiles	Mar. 28	Apr. 20	339
22. RINGLE, D., Aeronautics; Firearms; Ordnance and Explosive Devices	†Nov. 16	†Nov. 16	1787
23. BARROWS, B., Cash Registers; Calculators (part)	Jan. 7	†Nov. 10	181
24. KISSINGER, M. C. (Acting), Apparel; Apparel Apparatus; Sewing Machines	Mar. 6	Mar. 2	695
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 7	Apr. 8	286
26. YOUNG, R. R., Electricity—Generation and Motive Power	Feb. 21	Mar. 3	422
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Mar. 7	Feb. 4	297
28. SOLYOM, H. L., Internal-Combustion Engines (part); Cylinders and Pistons	Apr. 18	Feb. 5	227
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Feb. 26	Feb. 26	518
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 20	May 16	277
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Mar. 3	Mar. 3	1333
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Feb. 2	Feb. 23	794
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	Mar. 7	Mar. 7	621
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Mar. 17	Apr. 7	431
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles	†Dec. 24	†Oct. 13	974
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	†Dec. 22	Feb. 6	516
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 20	May 11	402
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Mar. 18	Mar. 14	592
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	May 6	May 7	291
40. DRUMMOND, E. J., Receptacles	Jan. 28	Jan. 30	1357
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Mar. 9	Mar. 9	496
42. MARANS, H., Electric Signaling	Feb. 11	Feb. 6	572
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Azo Compounds.	†Oct. 25	†Oct. 15	1007
44. HARVEY, L. P., Refrigeration	Mar. 3	Feb. 16	358
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Mar. 20	Mar. 27	753
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Heating Systems; Coating Apparatus.	†Dec. 24	†Dec. 24	755
47. KANOF, WM. J., Clutches and Power Stops; Brakes; Boring and Drilling; Land Vehicles (part)	Jan. 30	Feb. 5	1087
48. ROEPKE, O. B., Electricity, General Applications; Igniters	†Dec. 13	†Dec. 13	819
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 2	†Dec. 20	574
50. LEVIN, SAMUEL, Resins; Rubber; Carbohydrates and Derivatives	Jan. 29	Jan. 29	1647
51. BACKUS, C. D., Radiant Energy	Mar. 19	Mar. 18	635
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	May 21	Apr. 4	273
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Curtains, Shades and Screens; Cutlery.	Jan. 26	†Nov. 25	405
54. STRACHAN, O. W., Electric Lamp and Discharge Devices (part)	Apr. 9	Apr. 10	516
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery	May 8	June 2	171
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Laminated Fabrics (part); Paper Making	†Dec. 31	†Dec. 29	1387
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks	Mar. 27	Apr. 18	325
58 DOWELL, E. F., Abrading; Bottles and Jars; Stone Working	May 12	Apr. 29	262
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds; Compositions (part).	†Oct. 20	†Nov. 12	1749
60 GLASS, R. L., Electricity, Heating and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Marine Propulsion; Consumable Electrode Lamp and Discharge Devices.	Mar. 31	Mar. 31	371
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Laminated Electrical Insulation, Belt, Hose, Tire and Ball Making; Boats and Buoys.	Jan. 2	Jan. 4	939
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Nov. 13	†Nov. 25	418
63. WINKELSTEIN, A. H., Preserving; Poisons; Fermentation; Foods and Beverages; Proteins; Oils and Fats.	†Dec. 1	†Dec. 6	1304
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Distillation; Fuel	Feb. 14	Feb. 11	1562
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays.	Feb. 12	Feb. 17	474
Trade Marks: RICHMOND, F. A	July 21	Aug. 6	891
Designs: KALUPY, H. H	July 27	Aug. 13	353

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE NALLINGER

No. 4,596. Decided April 27, 1942

[127 F.(2d) 146]

PATENTABILITY—PUMPING SYSTEM.

Claims to a pumping system for supplying lubricant to an airplane engine *Held* unpatentable in view of the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. A. A. Dicke and *Mr. C. Cornell Remsen, Jr.* (*Mr. Miles D. Pillars* of counsel) for Nallinger.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting, for lack of invention over the cited prior art, claims numbered 7, 8, 9, 10, 13, 14, and 15 of appellant's application for a patent. No claims were allowed.

Claim 15 is illustrative of the subject matter involved and reads as follows:

15. In combination with an airplane engine having a plurality of members to be lubricated, the combination of means for maintaining a constant supply of lubricant to said members, comprising a sump subject to variable atmospheric pressure and adapted to contain the necessary lubricant, a first conduit connected to the members to be lubricated, a pump the delivery of which varies with changes in atmospheric pressure, for supplying lubricant from said sump through said first conduit, said pump having such a capacity as to insure the necessary amount of lubricant despite a large decrease in atmospheric pressure due to the increased altitude of the airplane engine, a flow restriction device in said first conduit intermediate said pump and said members, whereby, above a predetermined atmospheric pressure, said device limits the flow of the lubricant supplied by said pump, a second conduit connecting the delivery side of said pump with said sump, pressure responsive means in said second conduit for automatically permitting excess pumped lubricant to return to said sump, and means driven by said engine for operating said pump.

The references cited are: Wyss (Austrian), 47,862, May 26, 1911; Pogue, 1,289,903, December 31, 1918; Kleckner, 2,009,137, July 23, 1935.

Appellant's alleged invention is concisely described in the decision of the Board of Appeals as follows:

The invention relates to a pumping system for supplying lubricant to an airplane engine. This pumping system includes a sump containing lubricant which is subject to atmospheric pressure. A conduit extends from the lubricant sump to the airplane engine. A large capacity suction pump is arranged in the conduit and sucks oil from the sump and forces it along the conduit. A second and smaller pump is arranged between the large capacity pump and the airplane. The large capacity pump furnishes a sufficient supply of oil to the intake of the smaller pump at all times irrespective of the variations of the atmospheric pressure at different elevations of the airplane during flight. A by-pass is arranged to return excess oil from a point in the conduit between the pumps to the sump. A spring pressed valve is arranged in this by-pass so that the oil feeding into the smaller pump is always under considerable pressure.

In one form disclosed, a hand adjusted valve is substituted for the smaller pump. This valve is adjusted so that the oil is forced through a valve at all times under considerable pressure by the large capacity pump.

In both forms disclosed, sufficient oil will be supplied to the airplane irrespective of the variations of the atmospheric pressure.

The patent to Wyss discloses a multi-stage pump comprising two gear pumps connected in series, and states that the pump connected with the supply tank has a capacity in excess of the other pump. Between the two pumps there is connected a by-pass pipe for returning oil to the main tank, and this pipe contains an overflow valve, spring actuated. This spring pressed valve is so arranged in the by-pass pipe that the oil feeding into the smaller pump is always under some pressure. The first claim of this patent reads as follows:

1. Multi-stage pump consisting of two or more series connected pressure stages which, provided invariable speed of revolution, deliver a quantity but little dependent on the manometric height of delivery, characterized in that each stage delivers less than the preceding stage and that the material in excess coming from the preceding stage is carried off through an independent overflow pipe line.

The patent to Kleckner discloses a multi-stage pumping system for supplying oil to oil burners. A large capacity suction pump is disclosed which supplies oil to a small capacity pump which feeds the oil burner. A by-pass is arranged between the pumps for returning to the supply tank the oil not passing through the second pump. The patent states that the pump which is connected directly to the supply tank delivers liquid at a rate considerably in excess of the capacity of the other pump. This patent does not disclose the employment of a spring pressed valve which is shown by appellant and also in the patent to Wyss.

The patent to Pogue discloses a lubricating system for machine bearings in which the oil is fed from the tank to a supply line which serves a number of bearings. There is provided a by-pass around the pump, with a relief valve placed therein to prevent the pressure in the pipe supplying oil to the bearings from rising above a certain degree when the engine is in operation.

It is our opinion that neither the Kleckner patent nor the Wyss patent anticipates appellant's structure.

The pumps disclosed by Wyss differ only slightly in capacity, and the employment of his device upon an airplane engine would not solve the problem of lubricating the parts of the engine at varying atmospheric pressures.

The patent to Kleckner would, in our opinion, fully anticipate appellant's device except for the absence of a relief valve in the by-pass pipe leading from a point intermediate the two pumps to the supply tank. The Kleckner patent states:

The fuel pumps of the prior art have also had a relatively poor regulation in that the volume and/or pressure of the liquid delivered from the pump varied greatly with the amount of liquid in the supply tank; that is, the pumps of the prior art delivered the liquid fuel in greater volume when the tank was full than when the tank was empty, and the volume of liquid delivered by the pump also varied greatly with the resistance interposed by the nozzle of the burner or other apparatus.

* * * * * * *

Another object of the invention is the provision of an improved rotary pump which is adapted to effect a delivery of fluid at substantially constant volume and pressure throughout a considerable range of variation in the depth,

pressure or head of the fluid at the intake end of the pump.

* * * * * * * * *

* * * The low pressure pumping mechanism supplies an excess of liquid for the input to the high pressure side of the pump, and the excess is permitted to flow back to the tank. The high pressure pump stage is thus provided with a supply of liquid at a substantially constant pressure, and the capacity of the low pressure stage may be made such that there is always an excess of liquid to be returned to the tank, and consequently the pressure of the supply to the high pressure stage will not vary greatly.

The only problem before Kleckner was to effect a delivery of fluid at substantially constant volume and pressure, regardless of whether the supply tank was full or almost empty. This situation also confronted appellant, for the amount of oil in the supply tank for supplying lubrication to an airplane engine would also vary; but in addition thereto, appellant had the problem of very greatly decreased pressure upon the oil in the supply tank at very high altitudes, regardless of whether the tank is full or nearly empty.

Kleckner accomplished his object even though his by-pass afforded an unimpeded flow of the excess fluid back to the supply tank.

In order to solve the problem of supplying oil to the bearings at a constant volume and pressure, where the atmospheric pressure is greatly decreased, appellant employed a spring pressed valve in his by-pass. It is conceded that this did solve the problem.

The Board of Appeals, with respect to the structure disclosed by Kleckner, in its decision stated:

The patentee shows a low pressure pump at least three times as large as the high pressure pump. The patentee clearly contemplates providing a sufficient supply to the smaller pump at all times which is the purpose of applicant. The large capacity pump is so large that it will supply a sufficient amount of oil to the smaller pump irrespective of atmospheric conditions. If it is desired to maintain the oil under a considerable pressure so as to insure an oil supply at different altitudes, a spring pressed valve can be applied to the by-pass as is done in the Austrian patent.

We construe the last quoted sentence as a holding by the Board that it would be obvious to one skilled in the art, with the Austrian and Kleckner patents before him, to place a spring pressed valve in the by-pass shown by Kleckner.

Appellant's problem was to provide for a constant supply of oil at a constant pressure to his second pump at times when there was a very low pressure upon the oil entering the conduit conveying oil from his supply tank to his first pump. It was obvious that the pressure would be much less at high altitudes than at sea level, and that the pump shown by Kleckner could not be relied upon if used upon an airplane flying at high altitudes. It was also obvious that the reason that it could not be so relied upon was because there was an unimpeded flow through his by-pass to the supply tank.

The means by which the Kleckner structure could be modified to enable it to function at extremely low initial fluid pressures, viz, the placing of a spring pressed valve in the by-pass conveying excess fluid back to the supply tank, is clearly shown in the Austrian patent to Wyss.

This is what, in effect, appellant did, and in our opinion there was no exercise of the inventive faculty involved in doing so.

The patent to Wyss involves the same art, and he placed his spring pressed valve in his by-pass to regulate the pressure to his second pump. It is true that neither Wyss nor Kleckner contemplated the use of their pumps in airplane engines, but both did contemplate stabilizing the pressure upon the fluid supplying their second pumps. Kleckner did not provide for such extremely low pressure as would be encountered in high altitudes, but Wyss, by the use of his spring pressed valve in his by-pass, permitted the building up and regulating of pressure upon the fluid supplying his second pump.

It was the problem of building up and regulating the pressure upon the oil that confronted appellant, and that problem was solved, in what we think was an obvious way, by utilizing the spring pressed valve disclosed by Wyss in the by-pass disclosed by Kleckner.

It is conceded by appellant that claim 15 is the basic claim, and that all of the remaining claims are dependent thereon; therefore, separate discussion of the claims is unnecessary.

In view of our finding that the claims are unpatentable in view of the references to Kleckner and Wyss, it is unnecessary for us to discuss the reference to Pogue.

For the reasons herein stated, the decision appealed from is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MEAD

No. 4,599. Decided April 27, 1942

[127 F.(2d) 302]

1. PATENTABILITY—AGGREGATION.
   Certain apparatus claims some reciting means for suspending a vault and others reciting means for lifting a casket, together with a frame with rollers for temporarily supporting the casket, which is removed when the associated means is operated *Held* drawn to an aggregation, said means and frame not cooperating to produce a unitary result.
2. SAME—PROCESS—FUNCTION OF MACHINE.
   Where appellant did not point out any practical way by which his alleged method of placing a casket in a vault, set forth in certain claims, could be carried out independently of the apparatus disclosed in his application *Held* that said claims were properly rejected as drawn to the mere function of the apparatus.
3. SAME—BURIAL PROCESS AND APPARATUS.
   Certain claims to apparatus for and a process of placing a burial vault and a casket in a grave *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Charles W. Mortimer for Mead.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting claims 9 to 15, inclusive, of appellant's application for a patent. Eight claims were allowed. Claims 9, 10, and 11 are apparatus claims, and claims 12 to 15, inclusive, are for a process.

Claims 9 and 12 illustrate the subject matter involved and read as follows:

9. In a device of the character described, means to suspend a burial vault in a grave with its upper edge near the surface of the ground and to lower it gradually, removable supports for rollers adapted to rest upon the upper edges of said vault, and rollers mounted upon said supports.

12. The process of placing a casket in a vault, which comprises suspending the vault in a grave with its edges near the surface of the ground, supporting rollers on said edges, placing a casket on said rollers, lowering said vault and suspending said casket, removing said rollers and simultaneously raising said vault and lowering said casket into it.

The references cited are: Fuller, 736,377, August 18, 1903; Scroggin, 1,263,611, April 23, 1918; Dormer, 2,028,442, January 21, 1936; Haase, 2,112,286, March 29, 1938; Smola, 2,117,518, May 17, 1938; Haase, 2,163,171, June 20, 1939; Haase, 2,163,173, June 20, 1939.

Appellant's alleged invention is described by the Board of Appeals in its decision as follows:

The invention is a device for placing a burial vault and casket in a grave. The purpose of the invention is mainly to place the casket in the vault and apply the cover to the vault before it is lowered in place. This has been done by means of prior art devices shown in the patents cited so that applicant is not the first one to do this. Applicant provides an apparatus comprising a pair of side shafts and a pair of end shafts geared together so they can be all turned at one time. Straps are connected to the end shafts for supporting the vault and straps are provided in the side shafts for supporting the casket when it is to be lowered into the vault. Applicant also provides a separate removable frame which fits on the upper edges of the vault and is provided with transverse rollers extending across the top of the frame for temporarily supporting the casket. This frame is removed by hand after lifting the casket by means of the straps and the casket is then lowered into the vault and cover is placed on the vault. The vault is then lowered in place.

While the references cited are seven in number, the Examiner in his statement discussed only the patents to Haase and Dormer. The Board of Appeals in its decision referred only to the patents to Haase, Dormer, and Fuller.

With respect to the patents to Haase, the Examiner in his statement said:

* * * As clearly indicated by the Haase patents above noted, the practice is such that the vault base is usually left at a level slightly lower than the level of the supporting device while the casket is rolled into a position immediately over the base. The base is then raised to meet the coffin while the coffin is being lowered thereupon, and the two portions are then lowered sufficiently to permit of the reception of the cover for the vault, whereupon suitable sealing and ultimate lowering of the entire unit may be effected.

The patent to Fuller shows a removable frame provided with rollers, which frame is placed upon cross pieces over a grave, the purpose being, as stated in the patent,

* * * to provide a traveler that will traverse the length of the box and support and carry the foot of the casket as it is moved over the box, thus making it unnecessary for the pall-bearers to pass along the opposite sides of the grave.

Appellant has the same purpose in providing for removable supports and rollers mounted thereon.

The patent to Dormer discloses a device, one of the purposes of which is the lowering of caskets into vaults. Instead of a frame supporting rollers, as shown by appellant, the patentee discloses a plurality of swinging load supports provided with rollers.

[1] The Examiner rejected claims 9, 10, and 11 as being drawn to an aggregation on the ground that, quoting from his statement,

"there appears to be no such mutual interdependency between the rollers and the lowering device upon which a community ultimate function or result may be predicated which does not flow from the individual characteristics of the two devices."

The Examiner further held that the lowering device and the roller device are each capable of its independent function and operation, irrespective of the presence or absence of the other.

The Board of Appeals agreed with this view of the Examiner, stating:

* * * There is no cooperative relation between the vault suspending means and the separate frame which carries the rollers recited in claim 9. Nor is there any combination between this frame and the casket lifting means recited in claims 10 and 11. * * *

We are in agreement with the said views of the Patent Office tribunals. Since the frame with its rollers is removed when the rest of the mechanism recited is operated, there is no cooperation with said mechanism to produce a unitary result.

The Examiner also rejected these claims upon the ground of unpatentability over the cited prior art, holding that the combination is clearly indicated by the Dormer and Haase patents. The Board stated with respect to this ground of rejection:

These claims have also been rejected on the prior art. We think this rejection is sound. The Haase and Dormer patents show broadly the combinations recited in these claims. They employ a different temporary support for the casket. We fail to see that any invention would be involved in substituting for the rollers 16 and their supporting brackets in Dormer a removable frame which can be placed on the edge of the vault such as is shown in Fuller. The same substitution can be made in the Haase patents without involving invention.

We are in agreement with the views expressed by the Board in the above quotation.

[2] The process claims 12 to 15, inclusive, were rejected by the Examiner upon the ground that

"they set forth only the necessary steps and functions directly attributable to the structure disclosed and are not of a character which could be clearly ascribed to steps of a character unrelated to the structure disclosed."

The Board affirmed this ground of rejection, stating that the claims refer to various parts of the apparatus and recite no more than the way in which the parts of the apparatus are manipulated to accomplish appellant's results.

We think the process claims were properly rejected upon the ground stated. Appellant does not point out any practical way by which the method could be carried out independent of the apparatus recited in his application.

The Board applied a new ground of rejection to the process claims, viz., that they are unpatentable over the cited prior art. With respect to this ground of rejection the Board stated:

Although the Examiner has not rejected these claims on the prior art, it is obvious that the prior art patents are operated in about the same way as is recited in these claims. Any real difference merely resides in manipulating a removable frame for supporting the casket instead of swinging a temporary support away from its supporting position.

We agree with the views of the Board last above quoted. The Haase patents clearly show broadly the elements of the process claims other than the provision for supporting rollers on the edges of a vault.

[3] We have agreed with the Patent Office tribunals that in appellant's apparatus claims the use of supporting rollers on the edge of the vault did not lend patentability to said claims in view of the cited

prior art. For the same reason we must hold that the element of supporting rollers in claims 12, 13, and 14 does not lend patentability to these claims. Claim 15 does not contain the element of supporting rollers, and the operation therein described is substantially the same as that disclosed in the Haase patents, Nos. 2,163,171 and 2,163,173.

The decision appealed from is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

FOSS *v.* OGLESBY, REILLY AND GILBERT

No. 4,606. Decided April 27, 1942

[127 F.(2d) 312]

1. APPEAL—EFFECT OF GENERAL AFFIRMANCE BY BOARD OF APPEALS.

Where the Examiner of Interferences ruled that abrasive discs made by appellees' assignee were substantially in accordance with the disclosure of appellees' application and possess the characteristics required by the interference counts, and the Board of Appeals did not expressly affirm this ruling, but did generally affirm the Examiner's decision *Held* that the general affirmance had the effect of affirmance of said ruling of the Examiner.

2. APPLICATION—DISCLOSURE—ORIGINAL CLAIMS.

"It is * * * elementary that original claims in an application as filed constitute a part of the disclosure of such application."

3. SAME—SAME—INOPERATIVENESS—EX PARTE TESTS.

Where a witness for the appellees testified that he made certain abrasive discs in substantial accordance with the disclosure of appellees' application, and appellant was furnished with samples of the materials described in appellees' application *Held* that appellant's complaint that the tests represented by said discs were made ex parte is entitled to no consideration.

4. SAME—SAME—INHERENCY.

"We are in agreement with the Patent Office tribunals that the characteristics of relative brittleness and shearability set forth in the counts are inherent in the disclosure of appellees. While it is true that the characteristic of brittleness was not desired by appellees because they did not recognize, when their application was filed, that such property had utility, it is established that the invention for which they filed application, namely, the use of a heat-hardened resin as an adhesive in the manner set forth in the application necessarily involved relative brittleness and shearability of the abrasive article."

5. COUNTS—CONSTRUCTION—PATENTABILITY.

Where the Board of Appeals gives a broad interpretation to an interference count *Held* that the Court of Customs and Patent Appeals is not at liberty to inquire whether such broad interpretation renders the count unpatentable.

6. APPEAL—RECORD.

Where appellant printed a patent as an appendix to his brief, but this patent was not certified to the Court of Customs and Patent Appeals as a part of the record, nor referred to in the decisions of the Patent Office tribunals, nor considered by them, although the application upon which it was issued was referred to in appellees' application *Held* that said patent could not be considered.

7. INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the process disclosed in the application of appellees must result in a product possessing the characteristics set forth in the counts of the interference, and that priority properly was awarded to appellee, Oglesby, as sole inventor.

APPEAL from Patent Office. Affirmed.

Mr. George E. Stebbins and *Mr. Albert Grobstein* for Foss.

Messrs. Cushman, Darby & Cushman (*Mr. John J. Darby* of counsel) for Oglesby, Reilly and Gilbert.

LENROOT, *J.*:

This is an appeal in an interference proceeding, wherein the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences awarding priority of invention of the subject matter in issue to appellee Oglesby as sole inventor.

The interference is between a patent issued to appellant on July 20, 1937, and an application signed by Oglesby, Reilly, and Gilbert as joint inventors, filed on February 6, 1937.

Previous to the decision of the Examiner of Interferences, appellees moved to substitute a sole application of appellee Oglesby for the joint application above referred to. The motion was granted by the Examiner to the extent that the sole application may be substituted in appropriate ex parte action in the event that a final judgment is entered in favor of Oglesby in this interference. No issue is here made with reference to this substitution.

Four counts are involved in the interference, appellees having copied claims corresponding to the counts from appellant's patent. Count 1 is illustrative of the subject matter in issue and reads as follows:

1. A flexible abrasive article comprising a composite backing consisting of a cellulosic sheet, a fabric sheet adhesively attached to one face of said cellulosic sheet, and a heat-hardened resin intermingled with the fibers of said fabric in a quantity sufficient to provide the same with a relatively brittle characteristic and a layer of abrasive particles adhesively attached to the face of said fabric.

The involved invention relates to abrasive articles, principally in the form of discs, used for grinding surfaces such as welds of automobile bodies. In use the disc is pressed at a slight angle against the work surface to be ground. Abrasive discs are old and are commonly made with a backing sheet of vulcanized fiber connected with a textile fabric by an adhesive substance; a layer of abrasive particles is adhesively attached to the face of the cloth.

The particular improvement here involved lies in intermingling with the fibers of the textile fabric a sufficient quantity of heat-hardened resin to render the textile fabric relatively brittle and shearable.

Appellant moved to dissolve the interference upon the ground that the application of appellees does not disclose the subject matter of the counts. The Primary Examiner denied the motion to dissolve, holding that, while appellees' application does not expressly disclose the brittleness of the cloth or its shearability, the description in appellees' application is sufficient to meet the requirements of the counts.

Thereafter each of the parties filed a preliminary statement.

Appellant introduced no evidence and is therefore confined to the date of his application, July 8, 1936, for conception and reduction to practice of the invention.

It is conceded by appellant that if the application of appellees discloses the involved invention, the appellee Oglesby, under the evidence introduced, is entitled to the award of priority of invention.

Therefore, the only question before us is whether the application of appellees discloses the invention.

It is the claim of appellees that, while the brittleness of the discs and their shearability is not expressly referred to in their application, these characteristics are inherent in the product described therein.

Inasmuch as appellees took testimony upon this point, the Examiner of Interferences also considered the right of appellees to make the counts and, like the Primary Examiner, held that appellees' disclosure is sufficient to meet the requirements of the counts. His decision upon this point states:

It is believed to be quite clear from the evidence that discs made substantially in accordance with the disclosure in the Oglesby et al. application possess the characteristics required by the counts. It is also quite clear that brittleness was an inherent characteristic of such discs. It is further established that, while this brittleness was in some instances objected to, Oglesby and his associates at the Behr-Manning Corporation concluded that it was impractical to change the discs in any way to reduce the brittleness. The record is also clear that they never did so change the character of their product.

The Examiner found that appellee Oglesby was the sole inventor, and therefore awarded priority of invention to him.

The Board of Appeals in its decision held that the subject matter of the counts is inherent in appellees' disclosure, and affirmed the decision of the Examiner.

Appellees were all employees of the Behr-Manning Corporation, to whom their application has been assigned. Appellee Oglesby was technical director of the corporation, which had been engaged in making abrading discs in which glue was used as an adhesive. Oglesby, not later than 1935, conceived the substitution of waterproof synthetic resins for glue as the adhesive. He testified that in 1933 he experimented with synthetic resins for that purpose and sent to the officials of the corporation a memorandum upon the subject, which memorandum was introduced in evidence. In the early part of the year 1935 Oglesby directed one of his assistants, Gilbert, to work upon the problem of producing fiber cloth combination discs using synthetic resins produced by the Bakelite Corporation as the adhesive.

In May, 1935, the Behr-Manning Corporation began manufacturing abrasive discs using Bakelite resins. These discs were made by uniting a fiber sheet and a cloth layer with a heat-hardenable resin. Abrasive grains were then secured to the cloth layer by means of a bonding adhesive also of heat-hardenable resin. After the grains were applied, the resins were cured or hardened by a suitable heat treatment.

It was established that abrading discs made as above stated were sold to the Fisher Body Company of St. Louis beginning June 10, 1935, and to the Briggs Manufacturing Company of Detroit beginning June 19, 1935. Sales continued thereafter and the Behr-Manning Corporation was, at the time of taking the testimony herein, still manufacturing and selling discs of substantially the same characteristics.

Samples of the discs made as aforesaid were introduced in evidence by appellees; most, if not all, of these discs respond to the counts here in issue.

Appellant makes two contentions with regard to these discs:

1. That it was not established that such discs were made in accordance with the disclosure of appellees' application, and

2. That the testimony on behalf of appellees shows that brittleness in the discs was considered objectionable, and that the disclosure of appellees' application contains directions for avoiding brittleness, which are exactly the opposite of the directions in appellant's patent; that any brittleness in the discs so produced by appellee was purely accidental, and that appellees had no conception of the issue here involved.

[1] The Examiner of Interferences held, as hereinbefore quoted, that the discs made in 1935 were substantially in accordance with the disclosure of appellees' application and possess the characteristics required by the counts.

The Board of Appeals did not expressly affirm this view of the Examiner of Interferences, but its general affirmance of the Examiner's decision has the effect of affirmance of said holding of the Examiner. *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 78.

The application of appellees contains the following:

As stated before, while my adhesive for holding the grits has high tensile strength above 6,000, usually 8,000 to 14,000 lbs. per square inch or more, and while it is relatively tough, it is sufficiently inflexible and brittle, that is, of the nature to permit mechanical flexing without material injury to the union between the grits and the adhesive or the union between the adhesive and the reinforcing backing. The products made according to this invention may be used without flexing or may be mechanically flexed as above described, * * *.

* * * * * * *

In the case of our laminated backing, there is little penetration of the resinous adhesive into the paper or vulcanized fiber laminae but there is considerable penetration of the cloth lamina used by way of illustration by both the adhesive used to join the laminae and the adhesive used to bond the grits. In many cases, there is a commingling of the laminating adhesive and the grit holding adhesive within the cloth lamina. Penetration of the grit holding adhesive into the cloth insures rigid bonding of the grits to the laminated backing. Since there is no substantial penetration of the *paper* or *vulcanized* fiber by the resinous adhesives, there is no embrittling of these materials due to impregnation. [Italics ours.]

The application further states that the abrasive material is cut "into conventional belts, sheets, disc-shapes or any other form that it is desired to produce as an abrasive article."

Original claim 11 of appellees' application reads as follows:

11. A coated abrasive having a backing composed of laminations of paper-like material and fabric united by a synthetic resinous adhesive, and a surface layer of grits united to the backing by a synthetic resinous adhesive, said adhesives being compatible and combining through penetration of one of said layers to form a substantially homogeneous bond.

[2] It is, of course, elementary that original claims in an application as filed constitute a part of the disclosure of such application.

The Board of Appeals in its decision stated:

The question as stated by Foss is whether the Oglesby et al. application, as originally filed, discloses the abrasive article defined by the counts. Foss emphasizes that he uses five coating operations to three for Carlton or Oglesby. However, Foss uses a heavy drill cloth and would need

more resin if the impregnated cloth were to be made brittle.

Oglesby et al. refer to the brittle resin, page 8, lines 25 to 30, as sufficiently inflexible without material injury to the union between the grits and adhesive or between the adhesive and the reinforcing backing. Oglesby et al. may use 22 pounds of their No. 1 adhesive per ream (page 30, line 15) for the abrasive receiving coat on cloth which weighs a little less than ½ pound per yard, 14 inches wide.

The Foss fabric is considerably heavier and based on a 14-inch width it should weigh 1¼ pounds per yard and in the Foss coating analogous to the one referred to above by Oglesby, Foss employs 22 pounds per ream which is less than one-half as much resin used by Oglesby et al. for this purpose when computed on the basis of the weight of the fabric.

In coating the opposite face of the fabric, Foss uses ten pounds of liquid per ream (page 4, line 21) and Oglesby et al. use twelve pounds per ream on a much lighter fabric.

Foss later (page 5, line 22) adds six pounds per ream as an adhesive, but up to this point the fabric of Oglesby et al. contains probably more resin than the Foss fabric per unit weight. The difference between the two fabrics one way or another as to the amount of resin used when considering the fabric used by each party does not appear to be critical. There is certainly nothing in the Foss specification to indicate exactly what resin is being used but in the foregoing estimates as the comparative amounts of resin used by the parties, we assume some liquid resin of the nature disclosed by Oglesby et al.

Foss then coats an already coated side of the fabric with resin at the rate of six pounds per ream, which resin is applied to the vulcanized fiber backing. Some of this resin goes into the fabric.

To apply the abrasive, Foss uses twenty-two lbs. to the ream of liquid resin with added powdered A-stage resin. This resin is stated to further fill the fabric.

With all the operations employed by Foss, it is doubtful if he actually uses more resin per unit of fabric weight than do Oglesby et al.

In our opinion, page 3, lines 5 to 15, page 35, lines 25 to 31 and original claim 11 of Oglesby et al. indicate that they had substantially the same type of impregnated fabric as did Foss and the resin of Oglesby et al. being brittle, will crack or shear just the same as the fabric of Foss. We believe Oglesby et al. used sufficient resin to satisfy the terms of the counts.

[3] It appears that, during the time testimony was taken herein, one Hugh N. Dyer, Jr., an employee of the Behr-Manning Corporation, who was in charge of research on synthetic adhesives and binders, made certain abrasive discs which he testified were made in accordance with the disclosure of appellees' application, except that 140° F. was used as the coating temperature instead of 150° F. as suggested in the application. The Board of Appeals held that this trivial difference in temperature was immaterial, and we are in agreement with this holding.

These discs were introduced in evidence as exhibits 39 and 40. Appellant does not deny that they are brittle, but complains that they are too brittle to meet the requirements of the counts. His main contention is that appellees' disclosure will produce a disc that is not sufficiently brittle to meet the requirements of the counts; but with reference to exhibits 39 and 40 he completely changes his position and contends that if they were made according to the disclosure of appellees' application, they are excessively brittle. His only explanation of this, as stated in his brief, is that

> "Somewhere in the making of Exhibits 39 and 40, Dyer departed from the intent of the Oglesby et al. application because he got a stiff and brittle, not a flexible, backing material."

At this point it is interesting to observe that, upon the request of appellant's counsel, appellant was furnished with a sample of the cloth and samples of the resins described in appellees' application and used by the Behr-Manning Corporation in the manufacture of the discs. It is altogether unlikely that appellant did not make tests with these materials, the result of which tests, if his contention with respect to the disclosure of appellees is correct, he would have introduced in evidence. Under these circumstances, his complaint that the tests represented by exhibits 39 and 40 were made ex parte is entitled to no consideration. We are of opinion that these exhibits respond to the involved counts.

[4] We are in agreement with the Patent Office tribunals that the characteristics of relative brittleness and shearability set forth in the counts are inherent in the disclosure of appellees. While it is true that the characteristic of brittleness was not desired by appellees because they did not recognize, when their application was filed, that such property had utility, it is established that the invention for which they filed application, namely, the use of a heat-hardened resin as an adhesive in the manner set forth in the application, necessarily involved relative brittleness and shearability of the abrasive article. In other words, the property of relative brittleness and shearability of the discs produced in accordance with the process disclosed by appellees was inherent in that process.

In the case of *Hansgirg* v. *Kemmer*, 26 C. C. P. A. (Patents) 937, 102 F.(2d) 212, we said:

> Where one copies a claim from an inadvertently issued patent it should clearly appear that his application disclosed the invention either expressly or inherently. (See *McKee* v. *Noonan*, 24 C. C. P. A. (Patents) 784, 86 F. 986; *Lindley* v. *Shepherd*, 58 App. D. C. 31, 24 F.(2d) 606.) He may disclose the invention by drawings, by the use of language, or he may disclose it by reciting and teaching such subject matter as will inherently do the thing or possess the quality which is claimed for it. So it is not enough to say that Kemmer said nothing about dust removal or about a screen which would remove it if the process defined by Kemmer would inherently perform the function in the manner prescribed by the count. Inherency, however, may not be established by probabilities or possibilities. The mere fact that a certain thing may result from a given set of circumstances is not sufficient. * * *

In the case of *Swan* v. *Thompson*, 23 C. C. P. A. (Patents) 806, 80 F.(2d) 374, we said:

> Swan having completed the structure embodying the issue of the counts and disclosed it to others and found it to be useful for any purpose should not be deprived of the benefits flowing therefrom because another entering the field later has found that additional beneficial results could be obtained from it. *Weis* v. *Woodman*, 20 C. C. P. A. (Patents) 1211, 1218, 65 F.(2d) 274; *In re Smith*, 17 C. C. P. A. (Patents) 644, 36 F.(2d) 302. The law in this respect is quite analogous to that declared in numerous cases to the effect that one cannot claim a patentable monopoly for an old process because with it he has been enabled to produce a new article. *Brown et al.* v. *Piper*, 91 U. S. 37; *Lovell Manufacturing Co.* v. *Cary*, 147 U. S. 623; *Arlington Mfg. Co.* v. *Celluloid Co.*, 97 Fed. 91; *In re Braselton*, 51 App. D. C. 31, 273 Fed. 759. The courts have frequently stated that a patentee is entitled to make every use of which his patent is susceptible *whether this use was known or unknown to him*. *In re Downs et al.*, 18 C. C. P. A. (Patents) 803, 807, 45 F.(2d) 251; *In re Metzger*, 18 C. C. P. A. (Patents) 808, 811, 45 F.(2d) 918; *Braren* v. *Horner*, 18 C. C. P. A. (Patents) 971, 982, 47 F.(2d) 358; *In re Abrahamsen*, 21 C. C. P. A. (Patents) 828, 831, 68 F.(2d) 569. * * * [Italics ours.]

The views expressed in the above quotations are applicable here.

We think the application of appellees clearly discloses a process which, according to the evidence in the case, must result in a product possessing the characteristics set forth in the involved counts. Therefore appellees had the right to make the claims corresponding to the counts, and appellant's motion to dissolve was properly denied.

[5] Another contention of appellant is that the Board of Appeals erred in broadly interpreting the counts. It is sufficient to say upon this point that, where the Board of Appeals gives a broad interpretation to a count, we are not at liberty to inquire whether such broad interpretation renders the count unpatentable. *Vickery* v. *Barnhart*, 28 C. C. P. A. (Patents) 979, 118 F.(2d) 578.

It is also the general rule that the counts in an interference proceeding must be given the broadest construction which they will reasonably support.

[6] Appellant also refers to, and prints as an appendix to his brief, a patent issued to appellee Oglesby in 1939, which, appellant contends, contradicts the contentions of appellees here made.

This patent was not certified to us as a part of the record herein, nor was it referred to in the decisions of the Patent Office tribunals; nor, so far as the record shows, was it considered by them, although the application upon which it was issued was referred to in appellees' application herein. Therefore we cannot consider said patent.

[7] For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

BURMEL HANDKERCHIEF CORPORATION

v.

CLUETT, PEABODY & CO., INC.

No. 4,580. Decided April 27, 1942

[127 F.(2d) 318]

1. EVIDENCE—JUDICIAL NOTICE.

"We think that judicial notice can be taken of expressions of time, such as 'of the year', 'of the hour', 'of the month', 'of the century', 'of the era', etc., as indicating that the persons or objects to which they are applied stand out preeminently above the class to which they belong by reason of some outstanding achievement or quality."

2. TRADE-MARKS—REGISTRABILITY—DESCRIPTIVENESS—"HANDKERCHIEFS OF THE YEAR."

The notation "Handkerchiefs of the Year", as applied to handkerchiefs, the word "Handkerchiefs" being disclaimed, *Held* descriptive of the character or quality of handkerchiefs and non-registrable under the Trade-Mark Act of 1905.

3. SAME—SAME—SIGNIFICANCE AS INDICATING ORIGIN.

Held that the notation "Handkerchiefs of the Year" inherently cannot function as a trade-mark, since such a common expression can indicate nothing but high quality and would not be indicative of origin to the purchasing public.

4. SAME—OPPOSITION—EX PARTE QUESTION MAY BE CONSIDERED.

Doctrine reaffirmed that it is not only the right but the duty of the tribunals of the Patent Office to determine, ex parte, and without reference to issues raised by a notice of opposition, whether a mark is entitled to registration.

5. SAME—INJURY TO OPPOSER.

Held that "of the Year" is a common expression of high quality as applied to any object; that appellee and other manufacturers of handkerchiefs would probably be damaged if the exclusive right to use such expression as applied to handkerchiefs were granted appellant; and that such probability of damage qualified appellee as a proper party opposer.

APPEAL from Patent Office. Affirmed.

Mr. Raymond J. Mawhinney for Burmel Handkerchief Corporation.

Messrs. Roberts, Cushman & Woodberry (*Mr. Charles D. Woodberry, Mr. Robert L. Thompson* and *Mr. John D. Woodberry* of counsel) for Cluett, Peabody & Co., Inc.

JACKSON, *J.*:

On September 1, 1938, appellant filed in the United States Patent Office its application to register its trade-mark "Handkerchiefs of the Year" as applied to handkerchiefs, the word "Handkerchiefs" being disclaimed. The application alleges continuous use of the mark since March 16, 1937.

Notice of opposition to the registration was filed by appellee December 7, 1938, setting out the grounds for opposition as follows:

1. The opposer, Cluett, Peabody & Co., Inc., is a manufacturer of handkerchiefs, collars, shirts, underwear, neckties, and other articles of dress and apparel, its business is an old and established one, and its products have been and are widely sold throughout this country and the principal foreign markets of the world.

2. On February 7, 1933, the opposer obtained Letters Patent of the United States Design No. 89,175 (a copy whereof is hereto annexed) for a new, original and ornamental design for a handkerchief having as its dominant feature the conventional and most commonly used symbol of the year, namely, the calendar of the year. Very large quantities of handkerchiefs embodying said design have been made and sold by the opposer and its licensee under said patent, all said handkerchiefs embodying the design as shown in said patent except that subsequent to 1933, the numeral and calendar of the year has been those in which the said handkerchiefs were sold. And the opposer avers that the said design is of great value and that "Handkerchiefs-of-the-Year" is descriptive of said handkerchiefs bearing said design which opposer and its licensee alone have the right to make and sell.

3. And the opposer avers that as applied to handkerchiefs in general, the phrase "Handkerchiefs-of-the-Year" is synonymous with "Handkerchiefs of the Season" and in either form is a descriptive term meaning that because of their material, quality, workmanship, style, or for some other reason, they are the most desirable handkerchiefs of the year, or season or are peculiarly adapted for use in the year or season as being the vogue or fashion thereof, and that therefore the phrase is one which the opposer, in common with all other handkerchief manufacturers, has a right to use upon and in connection with the sale of its handkerchiefs.

4. And the opposer is informed and believes and therefore avers that it is and long has been an established commercial custom to employ advertising slogans consisting of the name of the goods associated with such words as "of the day", "of-the-week", "of-the-month", "of-the-year", "of the season" or similar terms; that the public is thoroughly familiar with such trade custom and understands that such slogans are not used as marks of origin or to be relied upon as marks of origin but merely as references to the character or quality of the goods; and the opposer avers that the mark Serial No. 410,170 is neither adapted to indicate origin, nor will be understood or relied upon by the public as a mark of origin, and is therefore not a mark susceptible of exclusive appropriation as a trade-mark.

5. And the opposer pleads all of said facts, both as bars against applicant's right of registration of said alleged trade-mark and as objections to its registration, and avers that the registration of the said mark to the applicant will interfere with and embarrass the opposer in the exercise of its right to describe its handkerchiefs, including its said design patented handkerchiefs, as "Handkerchiefs-of-the-Year", and that for all the reasons aforesaid it will be damaged by said registration.

On February 6, 1939, appellant moved to dismiss the notice of opposition on the grounds that it was insufficient in that it alleged no facts, but only conclusions of law, to sustain the contention that the mark is descriptive and that it failed to allege facts sufficient to entitle appellee to contest appellant's right to register its mark. In the opinion of the Examiner of Interferences the question as to appellee's right to make the contest was not sufficiently clear. He therefore denied the motion but granted both parties the opportunity to take testimony.

On April 3, 1939, appellant filed its answer to the notice of opposition and renewed its motion to dismiss.

On September 8, 1939, a stipulation between the parties was filed in lieu of testimony. In the stipulation the corporate entity of appellee and its business is set out together with the statement that its general house trade-mark consists of the word "Arrow." There was stipulated in evidence an exhibit which is a specimen of a handkerchief made in accordance with its design patent and sold during the year 1933. No other sale of such article by appellee is shown in the stipulation. Other exhibits which consist of salesmen's portfolios illustrating certain of appellee's articles of clothing and advertisements published by appellee in a certain magazine are in evidence under the stipulation, together with exhibits of advertising by appellee for wearing apparel, such as "Arrow's Choice for September", "Arrow's Choice for the Month", "The Pick of Esquire this Month" and "Smartest Feature in Esquire this Month." Other exhibits on behalf of appellee received in evidence are published advertisements, by others, such as "The Dress of the Month", "The Belt of the Month", "Smartest Hat of the Season", "Dress of the Week", "The Velvet of the Year", "Man of the Year", "Sportsman of the Year", "Playwright of the Year", "The Car of the Year", and others of like import. An advertisement by appellant of ladies' handkerchiefs, which are the only kind of handkerchiefs made and sold by appellant, is likewise in evidence. The advertisement comprises the expression "Handkerchief of the Month." That expression is a registered trade-mark of appellant. One of those handkerchiefs is in evidence. It bears a tag with the printed words "Handkerchief of the Month by Burmel as seen in Vogue."

The decision of the Examiner of Interferences is dated April 12, 1940. The Examiner in his decision stated as follows:

> Accordingly, the evidence filed by the opposer is deemed to establish a fact of which judicial notice might well be taken, namely, that phrases such as "of the year," "of the month" and the like, when used in connection with any particular thing in the manner of the notation used by the applicant, are mere laudatory expressions, descriptive of the character or quality of the subject concerned. Registration upon the application involved herein is therefore deemed to be inhibited by the "descriptiveness" clause of section 5. The rulings in the following cases involving the notation indicated are believed to be pertinent here:
> "Hit of the Week" for phonograph records, Ex parte *Durium Products Co.*, 15 U. S. Pat. Q. 57;
> "January" for hosiery, *Holeproof Hosiery Co.* v. *Joseph F. Lerner*, 27 U. S. Pat. Q. 457.
> It is accordingly adjudged that the applicant is not entitled to the registration for which it has made application.

In ruling upon the sufficiency of the objections to registration the Examiner held that appellee could not qualify under the "descriptiveness" clause of section 5 of the Trade-Mark Act of 1905, stating that:

> It fails to appear that the opposer has used in trade the notation "Handkerchiefs of the Year," or "of the year," here in question, for any purpose. The record does show, as alleged in the notice of opposition, that the opposer has sold handkerchiefs bearing thereon a representation of a yearly calendar (Exhibit 2) corresponding to Design Patent No. 89,175 (Exhibit 1); the Examiner, however, is not in agreement with the contention made by the opposer to the effect that such handkerchiefs and the notation used by applicant possess substantially the same significance. Moreover, the stipulated evidence fails to show that the opposer has sold any such handkerchiefs since 1933, long prior to the institution of this proceeding. These last mentioned goods are therefore deemed not to be material here. *The Esterbrook Steel Pen Mfg. Co.* v. *W. A. Sheaffer Pen Co.*, 159 Ms. D. 733; 470 O. G. 950.
>
> The exclusive use of a descriptive term can result in no damage or injury to another unless the latter uses the same or substantially the same term in trade for purposes of description. *Battle Creek Sanitarium Co.* v. *Fuller*, 134 O. G. 1299; 30 App. D. C. 411; 1908 C. D. 370; *McIlhenny's Son* v. *New Iberia Extract of Tabasco Pepper Co.*, 133 O. G. 995; 30 App. D. C. 337; 1908 C. D. 325; *The Esterbrook Steel Pen Mfg. Co.* v. *W. A. Sheaffer Pen Co.*, supra.
> It is accordingly held that the opposer cannot qualify under the "descriptiveness" clause of section 5.
> The notice of opposition is therefore dismissed.

Both parties appealed from the decision of the Examiner of Interferences, appellant urging the registrability of its mark and also alleging error by the Examiner in deciding the appellant's right to register before he decided the question as to appellee's standing in the proceeding. Appellant contended that the Examiner should have dismissed the opposition without entertaining the ex parte question involving appellant's right to register its mark.

The Commissioner in his decision affirmed that part of the decision of the Examiner refusing to grant the sought registration and reversed the decision in so far as it dismissed the opposition. Appellant then appealed here.

The Commissioner did not specifically hold that the mark sought to be registered was descriptive. In that part of his decision affirming the action of the Examiner, he stated as follows:

> In holding the mark to be descriptive, the Examiner expressed the opinion "that phrases such as 'of the year', 'of the month' and the like, when used in connection with any particular thing in the manner of the notation used by the applicant, are merely laudatory expressions, descriptive of the character or quality of the subject concerned." Whether or not it is strictly accurate to say that such expressions are "descriptive", within the meaning of the Trade-Mark Act, I am clearly of the opinion that they are not registrable as trade-marks, for the simple reason that they are inherently incapable of functioning as such. In other words, and more specifically, I do not think that applicant's alleged mark, "Handkerchiefs of the Year", would have the slightest significance to the purchasing public as indicating origin in applicant of the handkerchiefs with which it is used.
> It is true, as pointed out by applicant, that several expressions of a similar nature have previously been registered as trade-marks for various goods; but the propriety of such registrations is not here in issue, and they need not be discussed, except to say that I must decline to accept them as binding precedents in the instant case.

For the reason that appellee pleaded in its notice of opposition that it is a manufacturer of handkerchiefs and that the notation "Handkerchiefs of the Year" is an expression which it, as well as all other manufacturers, has a right to use in the sale of its handkerchiefs, the Commissioner held that damage to appellee may be predicated upon the registration to appellant, citing the case of *Martell & Co.* v. *Societe Anonyme de la Benedictine, etc.*, 28 C. C. P. A. (Patents) 851, 116 F. (2d) 516. He therefore held that appellee had qualified as a proper party opposer.

[1] We think that judicial notice can be taken of expressions of time, such as "of the year", "of the hour", "of the month", "of the century", "of the era", etc., as indicating that the persons or objects to which they are applied stand out preeminently above the class to which they belong by reason of some outstanding achievement or quality. That such expressions are laudatory and are intended to attract attention to persons or objects by reason of achievement or quality cannot be doubted. "Man of the Hour" could be well applied to many leaders of world thought or action, yet none could say that such expression could be exclusively applied to any one of such leaders. "Car of the Year" as applied to an automobile is intended to indicate that it possesses qualities which raise it above automobiles generally in material, quality, workmanship and style. No one could seriously think that that expression could not be used by the manufacturer of any automobile.

In the final analysis such expressions as we are discussing with relation to objects of trade are a "puffing of wares" and are intended to call attention to the superiority of the advertised goods. Such expressions are a condensed form of describing in detail the outstanding character or quality of the objects to which they are applied. So with the expression "Handkerchiefs of the Year." It merely in condensed fashion describes handkerchiefs having every characteristic as to material, quality and style that the best handkerchiefs should possess.

[2] [3] We think that the notation sought to be registered is descriptive of the character or quality of handkerchiefs. We are further of opinion that the notation inherently cannot function as a trade-mark. Such a common expression which can indicate nothing but high quality surely would not be indicative of origin to the purchasing public.

It is immaterial that appellee manufactures men's handkerchiefs only and appellant makes no handkerchiefs except women's.

[4] [5] The contention of appellant that the tribunals of the Patent Office erred in deciding the ex parte case before deciding the inter partes case is without merit. In the case of *Dubonnet Wine Corp.* v. *Ben-Burk, Inc.*, 28 C. C. P. A. (Patents) 1298, 1301, 121 F.(2d) 508, 511, quoting from *Sparklets Corp.* v. *Walter Kidde Sales Co.*, 26 C. C. P. A. (Patents) 1342, 1345, 104 F.(2d) 396, 399, we stated

> "It was not only the right but the duty of the tribunals of the Patent Office to determine, ex parte, and without reference to issues raised by the notice of opposition, whether the mark was entitled to registration."

We reaffirm that doctrine here particularly in view of our agreement with the decision of the Commissioner holding appellee to be a properly qualified party in the proceeding. In the Martell & Co. case, supra, Martell & Co. had not used the notation "B and B". But by reason of the fact that its trade in cognac brandy, which among other cognacs was used in making the drink "B and B", was likely to be damaged by the registration of the said notation, we held the notice of opposition to be sufficient. "B and B" we held in effect to be an expression free for anyone to use, if his product consisted of cognac brandy and benedictine. So in the instant case. In our opinion there would be a probability of damage to appellee and other manufacturers of handkerchiefs by the registration of appellant's mark. "Of the Year" is a common expression of high quality as applied to any object and one which we think any business is entitled to apply to its goods. If the exclusive right to use such expression as applied to handkerchiefs were granted appellant, we feel that appellee together with other manufacturers of handkerchiefs would probably be damaged.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,536,044, J. W. Swan, Method and means to facilitate the distribution of fuel in internal combustion engines; 1,636,721, same, Manifold, C. C. A., 6th Cir., Doc. 8943, *The Swan Carburetor Co.* v. *Chrysler Corp.* Claims 5 and 7 of 1,636,721 held not infringed; claims 4, 5, 8, 9, 10, and 22 of 1,536,044 held invalid, claims 12 and 23 of 1,536,044 held not infringed June 29, 1942.

1,636,721. (See 1,536,044.)

1,703,814, J. G. Coutant, Pulverized fuel combustion, D. C., S. D. N. Y., Doc. 18/7, *Foster Wheeler Corp* v. *Furnace Engineering Co., Inc.* Judgment (notice June 16, 1942).

1,799,265, Unkelbach & De Barr, Door fastener, D. C., S. D. N. Y., Doc. 9/135, *J. Unkelbach et al.* v. *The American Hardware Co. of N. Y. et al.* Dismissed for lack of prosecution (notice June 8, 1942).

1,829,800, M. W. Howard, Edge setting machine C. C. A., 1st Cir., Doc. 3758–3759, *National Development Co.* v. *Lawson-Porter Shoe Machinery Corp.* Judgment of lower court affirmed (notice June 26, 1942).

1,872,641, S. Capezio, Ballet slipper and manufacture of same, D. C., S. D. N. Y., Doc. 1/53, *S. Capezio* v. *Barney's Theatrical Shoe Co.* Dismissed for lack of prosecution (notice June 8, 1942).

1,898,608, W. Alexander, Centrifugal separator, D. C., S. D. N. Y., Doc. 12/252, *Engineering Specialties Co., Inc.*, v. *Burgess Battery Co.* Judgment (notice June 4, 1942).

1,903,811, Gebhard & Meyer, Antenna system, D. C. of U. S., Dist. of Columbia, Doc. 10340, *Gebhard et al.* v. *General Motors Sales Corp. et al.* Dismissed June 23, 1942.

1,919,674, L. Wenczel, Pneumatic puffing machine, D. C., S. D. N. Y., Doc. 17379, *Sterling Airbrush Co.* v. *Quaker Novelty & Puffing Co.* Consent judgment (notice June 16, 1942).

1,923,580, J. C. Nelson, Method and apparatus for washing clothes, D. C. Del., Doc. 120, *Apex Electrical Mfg. Co.* v. *Easy Washington Machine Corp.* Dismissed Sept. 9, 1941.

1,934,398, A. Benowitz, Manufacture of yarn, D. C., S. D. N. Y., Doc. 6/14, *M. J. Schifrin* v. *Chenille Mfg. Co., Inc., et al.* Dismissed for lack of prosecution (June 8, 1942).

1,947,748, G. Van Wormer, Paper cleaning machine, C. C. A., 6th Cir., Doc. 9051, *George Van Wormer* v. *The Champion Paper & Fibre Co.* Claim 1 held invalid (notice June 29, 1942).

1,949,971, Miller & Miller, Brake gauge adaptor, D. C., N. D. Ohio, E. Div., Doc. 20554, *Lempco Products, Inc., et al.* v. *Simmons Automotive Equipment Co.* Claims 1, 11, 12, 14, and 15 held invalid for want of invention, etc.; bill dismissed July 3, 1942.

1,953,566, L. D. Peik, Blasting machine (declaratory judgment), D. C. Del., Doc. 189, *Pangborn Corp.* v. *The American Foundry Equipment Co.* Dismissed without prejudice June 9, 1942.

1,965,525, Roscher & Kahmann, Railway car for transporting passenger carrying automobiles and similar vehicles or articles, D. C. Del., Doc. 18, *R. S. Otto* v. *Evans Products Co.* Dismissed without prejudice (notice June 10, 1942).

1,975,721, J. Hoza, Radio tube, filed Sept. 16, 1940, D. C. N. J., Doc. 1124, *Driver-Harris Co.* v. *Baker & Co., Inc.*

1,976,511, W. Piercy, Paint applying device, D. C., S. D. N. Y., Doc. 2/360, *A. T. Adams et al.* v. *American Products Co.* Dismissed for lack of prosecution (notice June 8, 1942).

1,984,916, G. E. Bullock, Velocipede frame construction, D. C., E. D. Wis. (Milwaukee), Doc. 276, *E. C. Brown Co.* v. *Garton Toy Co.* Judgment for defendant, dismissing bill July 3, 1942.

1,995,187, Lind & Feigenbaum, Collar, neckband or other garment part, D. C., E. D. Pa., Doc. 9735, *Aero Neck Band & Collar Co., Inc., et al.* v. *Eclipse-Needles Co. et al.* Dismissed without prejudice Jan. 31, 1939.

2,001,801, H. L. Smith, Jr., Air distribution, D. C. Del., Doc. 70, *Thermal Research Corp.* v. *Hart & Cooley Mfg. Co.* Dismissed for want of prosecution Dec. 9, 1941.

2,028,220, T. J. Kelly, Seed bed cover, D. C., S. D. N. Y., Doc. E 85/210, *Southern Brighton Mills* v. *Chicopee Sales Corp.* Judgment (notice June 20, 1942).

2,043,414, F. H. Korff, Marker for highway, D. C., S. D. N. Y., Doc. 5/267, *Zone Coating Corp. of America et al.* v. *Highway Safety Products Corp. et al.* Dismissed for lack of prosecution June 8, 1942.

2,051,349, S. D. Goldberg, Device for preserving local anesthetic solution, C. C. A., 4th Cir., Doc. 4848, *Novocol Chemical Mfg. Co., Inc.*, v. *Powers & Anderson Dental Co., Inc., et al.* Decree affirmed June 15, 1942.

2,069,871, S. O. Blanc, Cutter member for cleaning drain pipes, filed July 2, 1942, D. C. Minn., 4th Div., Doc. 720, *S. O. Blanc* v. *Guaranteed Sewer Pipe Cleaning Co.* Doc. 721, *S. O. Blanc* v. *Electric Gopher Sewer Cleaning Co.*

2,078,790, E. H. Bucy, Offset process, D. C., N. D. Ill., E. Div., Doc. 1650, *Atlas Powder Co.* v. *Binks Mfg. Co. et al.* Consent decree of dismissal June 9, 1942.

2,084,765, T. Crocella, Apparatus for pressing garments, D. C., S. D. N. Y., Doc. 3/186, *Press-O-Matic, Inc.*, v. *Sigmund Engineering Co.* Dismissed for lack of prosecution (notice June 8, 1942).

2,100,868, A. Oppenheimer, Jr., Slip cover for furniture, filed June 24, 1942, D. C., S. D. N. Y., Doc. 18/339, *The Comfy Mfg. Co.* v. *Malden Novelty Co., Inc.*

2,105,605, H. Lichtenstein, Sleeveless undergarment, D. C., S. D. N. Y., Doc. 13/372, *Gerted Corp.* v. *The Barbizon Corp.* Judgment June 23, 1942.

2,111,272, P. M. Paulson, Abrasive material, D. C., N. D. Ill., E. Div., Doc. 3971, *Minnesota Mining & Mfg. Co. et al.* v. *E. I. du Pont de Nemours & Co.* Dismissed without prejudice Apr. 30, 1942.

2,117,567, Myer & Horner, Flanged plate timber connecter, D. C., S. D. Calif. (Los Angeles), Doc. 1874–Y, *Timber Engineering Co.* v. *Arch Rib Truss Co., Ltd.* Patent held valid and infringed; injunction June 13, 1942.

2,123,709, Bristow & Strong, Therapeutic light ray apparatus, D. C., S. D. Calif., C. Div., Doc. 763–H, *F. H. Bowers et al.* v. *F. S. Rubens et al.* Patent held valid and infringed; injunction June 30, 1942.

2,128,132, L. T. Frederick, Socket, D. C. Del., Doc. 171, *A. W. Franklin Mfg. Corp.* v. *Continental-Diamond Fibre Co.* Dismissed July 15, 1941.

2,135,124, L. G. Englar, Display device, D. C., S. D. N. Y., Doc. 15/52, *Double E Patents, Inc.*, v. *Harry's Cigar Store.* Consent order of discontinuance (notice June 2, 1942). Doc. 15/478, *Bassons* v. *Double E Patents, Inc. et al.* Decree as above.

2,145,773, G. Muffly, Refrigerator and method and apparatus for freezing ice, D. C., S. D. Ill., E. Div., Doc. 99, *G. Muffly* v. *Portable Elevator Mfg. Co.* Judgment for plaintiff, injunction June 1, 1942.

2,160,810, E. J. Abbott, Winding machine, D. C. N. H. (Concord), Doc. 68, *Universal Winding Co.* v. *Abbott Machine Co.* Claims 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, and 28 held invalid (notice June 10, 1942).

2,209,589, Williams & Durant, Ball switch and bumper, (declaratory judgment), Doc. 2112, *Bally Mfg. Co. et al.* v. *The Exhibit Supply Co. et al.* Patent held invalid for want of invention Apr. 14, 1942.

2,221,323, J. R. Gammeter, Apparatus and method for testing and assorting thin rubber goods, filed Apr. 25, 1941, D. C. N. J., Doc. 1515, *J. R. Gammeter* v. *Allied Latex Corp. et al.*

Des. 120,944, J. H. Alkon, Dress ensemble, D. C., S. D. N. Y., Doc. 9/192, *J. H. Alkon, Inc.*, v. *M. Waybill.* Dismissed for lack of prosecution June 8, 1942.

Des. 121,150, J. Schnitt, Ribbon fabric, D. C., S. D. N. Y., Doc. 13/457, *Amrose Hat, Inc.*, v. *Rubin Bros. Millinery, Inc., et al.* Stipulation of discontinuance (notice June 8, 1942).

Des. 122,034, R. H. Shipston, Textile fabric, D. C., S. D. N. Y., Doc. 12/383, *Constance Fabrics Corp.* v. *Blossom Fabrics Corp.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 122,536, M. G. Norman, Dress ensemble, D. C. S. D. N. Y., Doc. 11/161, *Leo Jacobson, Inc.*, v. *Minuet Dance Frock Co., Inc.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 123,309, S. Frontman, Dress, D. C., S. D. N. Y., Doc. 11/279, *Paramount Dress Co., Inc.*, v. *Pomette Dress Corp.* Stipulation of discontinuance (notice June 13, 1942).

Des. 123,337, C. O. Hesse, Wall paper, filed June 19, 1942, N. D. Ill., E. Div., Doc. 4390, *United Wall Paper Factories, Inc.*, v. *Superior Wallpaper Co.*

Des. 123,802, D. Faust, Dress, D. C., S. D. N. Y., Doc. 12/165, *Eagle Dress Co., Inc.*, v. *Geneva Dresses, Inc.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 123,973, M. Galowitz, Dress, D. C., S. D. N. Y., Doc. 12/68, *Modern Juniors-Lou Galowitz & Co.* v. *Action Dress, Inc.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 123,975, D. High, Dress, D. C., S. D. N. Y., Doc. 12/227, *Parisian Mfg. Co., Inc.*, v. *Rudolph-Marged, Inc.* Dismissed for lack of prosecution June 8, 1942.

Des. 124,475, G. Monteil, Dress ensemble, D. C., S. D. N. Y., Doc. 13/287, *Germaine Monteil, Inc.*, v. *Sandre.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 124,937, I, Kaplan, Handbag, D. C., S. D. N. Y., Doc. 13/250, *I. Kaplan* v. *Excel Handbags Co., Inc.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 125,236, I. Grobstein, Dress ensemble, D. C., S. D. N. Y., Doc. 13/173, *Skytop Frocks, Inc.*, v. *Camel Dress Mfg. Co., Inc., et al.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 125,399, M. Haon, Dress, D. C., S. D. N. Y., Doc. 14135, *Sheila-Lynn, Inc.*, v. *Rudolph-Marged, Inc.* Dismissed for lack of prosecution June 8, 1942.

Des. 126,350, A. Ruchman, Dress, D. C., S. D. N. Y., Doc. 13/385, *Apex Dress Co., Inc.* v. *Colmay Frocks Co., Inc.* Dismissed for lack of prosecution June 8, 1942. Doc. 13/469, *Apex Dress Co., Inc.*, v. *Toma Dress Co.* Decree as above.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 15, 1942

[VOL. 542. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 453,362. CONSOLIDATED FELDSPAR CORPORATION, Trenton, N. J. Filed May 29, 1942.

ZONASPAR

FOR MINERAL PRODUCT USED AS A CERAMIC FLUX, SUCH MATERIAL BEING, SPECIFICALLY, REFINED APLITE.

Claims use since Apr. 15, 1942.

Ser. No. 454,043. SMOKELESS FUEL COMPANY, Charleston, W. Va. Filed July 3, 1942.

GREYHOUND

FOR COAL.

Claims use since June 12, 1942.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 444,029. EGON ZERNER, doing business as Zerner Art Studios, New York, N. Y. Filed May 28, 1941.

NO LCK

FOR TOILET CASES, POCKET KNIFE CASES, POCKET COMB CASES, STATIONERY CASES, WALLETS, CHANGE PURSES, POCKETBOOKS, EMPTY COMPACTS, BILLFOLDS, CARD CASES, PLAYING CARD CASES, AND JEWELRY CASES, ALL COMPOSED IN WHOLE OR IN PART OF LEATHER.

Claims use since May 15, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 431,253. IRRESISTIBLE, INC., Jersey City, N. J. Filed Apr. 26, 1940.

IRRESISTIBLE HAIR SCENT

Applicant is the owner of United States trade-mark registration 313,649, registered June 5, 1934. Reserving unto itself all of its common law rights applicant disclaims use of the words "Hair Scent" apart from the other elements of its trade-mark.

FOR HAIR RINSE.

Claims use since Apr. 12, 1940.

Ser. No. 431,256. IRRESISTIBLE, INC., Jersey City, N. J. Filed Apr. 26, 1940.

IRRESISTIBLE SCENTLESS

Applicant is the owner of United States trade-mark registration 313,649, registered June 5, 1934. Reserving unto itself all of its common law rights applicant disclaims use of the word "Scentless" apart from the other elements of its trade-mark.

FOR DEODORANT.

Claims use since Apr. 12, 1940.

Ser. No. 443,818. SALES AFFILIATES LIMITED, Boreham Wood, Hertfordshire, England. Filed May 22, 1941.

OTHERMO

FOR HAIR WAVING AND CURLING LOTIONS.

Claims use since Mar. 7, 1940.

Ser. No. 453,212. PLEE-ZING, INC., Chicago, Ill. Filed May 23, 1942.

PLEE-ZING

Applicant is the owner of U. S. Reg. No. 318,011, issued October 16, 1934.

FOR COUGH SYRUP, EPSOM SALTS, BAKING SODA, SAL SODA, BLUING, AND PREPARATION FOR OPENING DRAINS AND CLEANING SINKS.

Claims use on baking soda, epsom salts, sal soda, and preparation for opening drains, since October, 1931; on cough syrup since November, 1931; and on bluing since January, 1931.

Ser. No. 454,249. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa. Filed July 16, 1942.

Texchrome

FOR A SOLUTION EMPLOYED TO IDENTIFY NATURAL AND SYNTHETIC TEXTILE FIBERS.

Claims use since July 14, 1942.

Ser. No. 454,250. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa. Filed July 16, 1942.

Texstrip

FOR A CHEMICAL EMPLOYED TO REMOVE DYES FROM TEXTILE FIBERS.

Claims use since July 14, 1942.

Ser. No. 454,276. SHULTON, INC., New York, N. Y., and Hoboken, N. J. Filed July 16, 1942.

Always Date Lovely

FOR PERFUMES, COLOGNES, TOILET WATERS, TALCUM POWDERS, DUSTING POWDERS, GUEST TALCUMS, SACHETS IN POWDER AND TABLET FORM, BODY SACHETS, BATH SALTS IN POWDER AND CRYSTAL FORM, AND AFTER-SHAVING LOTIONS.

Claims use since July 13, 1942.

Ser. No. 454,297. S. C. WELLS & COMPANY, Leroy, N. Y. Filed July 17, 1942.

MUSTARINE

Applicant is owner of trade-mark registration No. 70,635, dated Sept. 22, 1908.

FOR REMEDIES FOR RELIEF OF PAIN, LAMENESS, AND SORENESS, FOR USE IN PLACE OF MUSTARD PLASTERS.

Claims use since about the middle of July, 1904.

Ser. No. 454,303. FEDERATED FOODS, INC., doing business as Federated Foods, Chicago, Ill. Filed July 18, 1942.

KLEN-O-CIDE

FOR A HOUSEHOLD BLEACH.

Claims use since May 22, 1941.

Ser. No. 454,342. MODERN PRODUCTS, INC., Milwaukee, Wis. Filed July 20, 1942.

CAPATABS

FOR CALCIUM PANTOTHENATE TABLETS.

Claims use since May 5, 1942.

Ser. No. 454,362. COTY, INC., New York, N. Y. Filed July 21, 1942.

EXCURSION

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, AND ROUGES.

Claims use since June 29, 1942.

Ser. No. 454,363. COTY, INC., New York, N. Y. Filed July 21, 1942.

FLEUR du LAC

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, AND ROUGES.

Claims use since July 10, 1942.

Ser. No. 454,364. COTY, INC., New York, N. Y. Filed July 21, 1942.

SPECTATOR

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, AND ROUGES.

Claims use since June 29, 1942.

Ser. No. 454,365. COTY, INC., New York, N. Y. Filed July 21, 1942.

VIGILANTE

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, AND ROUGES.

Claims use since June 29, 1942.

Ser. No. 454,366. MARIE EARLE, INC., New York, N. Y. Filed July 21, 1942.

TROPICOLOR

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, AND ROUGES.

Claims use since July 10, 1942.

CLASS 10

FERTILIZERS

Ser. No. 453,866. WEAVER FERTILIZER COMPANY, INC., Norfolk, Va. Filed June 24, 1942.



Applicant disclaims the words "Quality Fertilizer" and "As Necessary as the Rain" apart from the mark.

FOR FERTILIZERS.

Claims use since January, 1937.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 454,352. TRU-RITE, INC., New York, N. Y. Filed July 20, 1942.



FOR CARBON PAPER.

Claims use since June 1, 1942.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 449,465. PITTSBURGH-CORNING CORPORATION, Pittsburgh, Pa. Filed Dec. 13, 1941.

FOAMGLAS

FOR CELLULAR STRUCTURAL MATERIAL COMPOSED OF RIGID CELLULATED SLABS, BLOCKS, LUMPS, OR THE LIKE, SUITABLE FOR USE AS INSULATION OR STRUCTURAL ELEMENTS IN BUILDINGS, FLOATS, LIFE RAFTS, LIFE PRESERVERS, AND FOR VARIOUS OTHER PURPOSES.

Claims use since Nov. 7, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 451,156. THE YORKSHIRE COPPER WORKS LIMITED, Leeds, England. Filed Feb. 21, 1942.

"YORCALNIC"

FOR METAL TUBES INCLUDING TUBES MADE OF COPPER, BRASS, CUPRO-NICKEL, ALUMINUM-BRASS, PHOSPHOR-BRONZE, ALUMINUM TUBES.

Claims use since April, 1933.

Ser. No. 453,241. FISHER GOVERNOR COMPANY, Marshalltown, Iowa. Filed May 25, 1942.

LEVEL-TROL

FOR LIQUID LEVEL RESPONSIVE PRESSURE ACTUATED PILOT MECHANISM FOR VALVES.

Claims use since September, 1938.

Ser. No. 454,150. SHOWER SALES CORPORATION, New York, N. Y. Filed July 10, 1942.

STREAMASTER COMMANDO

FOR PORTABLE SHOWER CABINETS.

Claims use since June 29, 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 453,585. PLEE-ZING, INC., Chicago, Ill. Filed June 10, 1942.

PLEE-ZING

FOR READY MIXED PAINTS, PAINT ENAMELS, PAINT PRIMERS AND FURNITURE POLISH, AND POLISH FOR VARNISHED AND COATED SURFACES.

Claims use on ready mixed paints and enamels and paint primers since August, 1933; and on polishes for furniture and other surfaces since October, 1939.

Ser. No. 453,846. NEWPORT INDUSTRIES, INC., Pensacola, Fla. Filed June 24, 1942.

NERVAIR

FOR DRYING OIL VEHICLE FOR PAINTS AND VARNISHES.

Claims use since May 29, 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 444,659. SIMONDS MACHINE COMPANY, INC., Southbridge, Mass. Filed June 18, 1941.

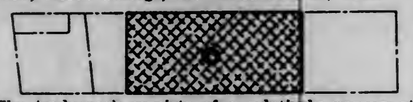
LINEMASTER

FOR FOOT TREADLE ELECTRIC SWITCHES.
Claims use since June 10, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 427,837. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill. Filed Jan. 25, 1940.

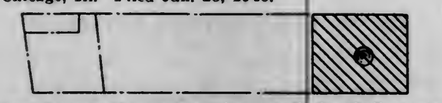


The trade-mark consists of a relatively narrow strip or band of orange encircling the tool shank, the band having on one side of the tool a small circular depression the same color as the band. The width of the band is substantially less than the over-all length of the tool, leaving both ends of the tool unmarked. The outline representation of the goods is not claimed as part of the mark.

FOR TOOLS AND PARTS OF TOOLS FOR WORKING AND CUTTING METAL AND OTHER MATERIALS—NAMELY, BORING TOOLS OR DRILLS, TURNING OR LATHE TOOLS, SHAPING AND MILLING TOOLS AND SUCH TOOLS EQUIPPED WITH HARD METALLIC INSERTS FOR THE PURPOSE OF WORKING, CUTTING. FORMING OR SHAPING OTHER METALS AND MATERIALS.

Claims use since Oct. 1, 1939.

Ser. No. 427,862. VASCOLOY-RAMET CORPORATION, North Chicago, Ill. Filed Jan. 25, 1940.

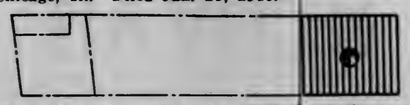


The trade-mark consists of a relatively shallow cap of green covering the end and encircling the tool at the end thereof opposite the working end of the tool, one of the flat colored surfaces having a small circular depression the same color as the cap. The outline representation of the goods is not claimed as part of the mark.

FOR TOOLS AND PARTS OF TOOLS FOR WORKING AND CUTTING METAL AND OTHER MATERIALS—NAMELY, BORING TOOLS OR DRILLS, TURNING OR LATHE TOOLS, SHAPING AND MILLING TOOLS AND SUCH TOOLS EQUIPPED WITH HARD METALLIC INSERTS FOR THE PURPOSE OF WORKING, CUTTING, FORMING OR SHAPING OTHER METALS AND MATERIALS.

Claims use since Oct. 1, 1939.

Ser. No. 427,863. VASCOLOY-RAMET CORPORATION, North Chicago, Ill. Filed Jan. 25, 1940.

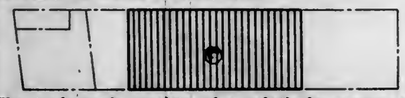


The trade-mark consists of a relatively shallow cap of red covering the end and encircling the tool at the end thereof opposite the working end of the tool, one of the flat colored surfaces having a small circular depression the same color as the cap. The outline representation of the goods is not claimed as part of the mark.

FOR TOOLS AND PARTS OF TOOLS FOR WORKING AND CUTTING METAL AND OTHER MATERIALS—NAMELY, BORING TOOLS OR DRILLS, TURNING OR LATHE TOOLS, SHAPING AND MILLING TOOLS AND SUCH TOOLS EQUIPPED WITH HARD METALLIC INSERTS FOR THE PURPOSE OF WORKING, CUTTING, FORMING, OR SHAPING OTHER METALS AND MATERIALS.

Claims use since Oct. 1, 1939.

Ser. No. 427,864. VASCOLOY-RAMET CORPORATION, North Chicago, Ill. Filed Jan. 25, 1940.

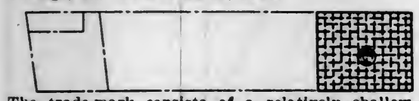


The trade-mark consists of a relatively narrow strip or band of red encirling the tool shank, the band having on one side of the tool a small circular depression the same color as the band. The width of the band is substantially less than the over-all length of the tool, leaving both ends of the tool unmarked. The outline representation of the goods is not claimed as part of the mark.

FOR TOOLS AND PARTS OF TOOLS FOR WORKING AND CUTTING METAL AND OTHER MATERIALS—NAMELY, BORING TOOLS OR DRILLS, TURNING OR LATHE TOOLS, SHAPING AND MILLING TOOLS AND SUCH TOOLS EQUIPPED WITH HARD METALLIC INSERTS FOR THE PURPOSE OF WORKING, CUTTING, FORMING OR SHAPING OTHER METALS AND MATERIALS.

Claims use since Oct. 1, 1939.

Ser. No. 427,865. VASCOLOY-RAMET CORPORATION, North Chicago, Ill. Filed Jan. 25, 1940.



The trade-mark consists of a relatively shallow cap of yellow covering the end and encircling the tool at the end thereof opposite the working end of the tool, one of the flat colored surfaces having a small circular depression the same color as the cap. The outline representation of the goods is not claimed as part of the mark.

FOR TOOLS AND PARTS OF TOOLS FOR WORKING AND CUTTING METAL AND OTHER MATERIALS—NAMELY, BORING TOOLS OR DRILLS, TURNING OR LATHE TOOLS, SHAPING AND MILLING TOOLS AND SUCH TOOLS EQUIPPED WITH HARD METALLIC INSERTS FOR THE PURPOSE OF WORKING, CUTTING, FORMING OR SHAPING OTHER METALS AND MATERIALS.

Claims use since Oct. 1, 1939.

Ser. No. 427,866. VASCOLOY-RAMET CORPORATION, North Chicago, Ill. Filed Jan. 25, 1940.



The white coloration indicated on the drawing on the end of the tool is claimed as a part of the mark. The trade-mark consists of a relatively shallow cap of white

covering the end and encircling the tool at the end thereof opposite the working end of the tool, one of the flat colored surfaces having a small circular depression the same color as the cap. The outline representation of the goods is not claimed as part of the mark.

FOR TOOLS AND PARTS OF TOOLS FOR WORKING AND CUTTING METAL AND OTHER MATERIALS—NAMELY, BORING TOOLS OR DRILLS, TURNING OR LATHE TOOLS, SHAPING AND MILLING TOOLS AND SUCH TOOLS EQUIPPED WITH HARD METALLIC INSERTS FOR THE PURPOSE OF WORKING, CUTTING, FORMING OR SHAPING OTHER METALS AND MATERIALS.

Claims use since Oct. 1, 1939.

Ser. No. 453,213. PLEE-ZING, INC., Chicago, Ill. Filed May 23, 1942.

PLEE-ZING

Applicant is the owner of United States trade-mark registration. No. 257,257, issued June 4, 1929.

FOR HOUSEHOLD COFFEE MILLS AND GRINDERS, AND RAZOR BLADES.

Claims use on razor blades since April, 1941; and on household coffee mills since Sept. 19, 1938.

Ser. No. 453,668. EATON MANUFACTURING COMPANY, Cleveland, Ohio. Filed June 15, 1942.

EATON

Applicant is the owner of T. M. 217,579, dated Sept. 7, 1926.

FOR MECHANICAL PARTS FOR USE IN CONNECTION WITH THE VALVE OPERATED MECHANISM OF INTERNAL COMBUSTION ENGINES—NAMELY, VALVES, TAPPETS, HYDRAULICALLY OPERATED VALVE LIFTERS, AND OTHER INTERNAL COMBUSTION ENGINE PARTS.

Claims use since May, 1942.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 452,212. BENDIX AVIATION CORPORATION, Bendix, N. J. Filed Apr. 8, 1942.

GYRO FLUX GATE

The word "Gyro" is disclaimed apart from the words "Flux Gate."

FOR GYROSCOPICALLY STABILIZED EARTH INDUCTOR COMPASSES.

Claims use since Nov. 21, 1941.

Ser. No. 452,596. AMERICAN PHOTOCOPY EQUIPMENT CO. NOT INC., Chicago, Ill. Filed Apr. 27, 1942.

APECO

FOR PHOTO-COPYING MACHINE AND SENSITIZED PHOTOGRAPHIC PAPER.

Claims use since Feb. 1, 1942.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 451,894. H. HERTZBERG & SON, INC., New York. N. Y. Filed Mar. 25, 1942.

BROOM Sarong COVER

Applicant disclaims the words "Broom Cover" apart from the mark.

FOR BROOM COVERS IN THE NATURE OF DUSTERS.

Claims use since Dec. 31, 1941.

Ser. No. 453,527. HUGHES-AUTOGRAF BRUSH COMPANY, INC., New York and Watervliet, N. Y. Filed May 30, 1942.

BRISTEXED

FOR TOILET BRUSHES AND SPECIFICALLY TOOTH BRUSHES, HAIR BRUSHES, BATH BRUSHES, CLOTH BRUSHES, AND HAND SCRUBS.

Claims use since Aug. 27, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 453,534. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed June 8, 1942.



FOR BOWLING ALLEY FURNITURE—NAMELY, SCORE TABLES, OPERA CHAIRS, SETTEES AND COMBINED SCORE TABLE AND BOWLING ALLEY SERVICE UNITS.

Claims use since Mar. 8, 1940.

Ser. No. 453,807. LOGAN PORTER MIRROR COMPANY, High Point, N. C. Filed June 22, 1942.

MASTER MIRRORS

The word "Mirrors" is disclaimed apart from the mark.

FOR MIRRORS.

Claims use since Jan. 1, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 452,931. MASON-SPRINGS CORPORATION, Los Angeles, Calif. Filed May 11, 1942.

Victory PACK

No claim is made to the word "Pack" apart from the mark.

FOR PACKETS CONTAINING STATIONERY, SPECIFICALLY, PACKETS CONTAINING LETTER PAPER AND ENVELOPES, AND PACKETS CONTAINING POSTCARDS.

Claims use since Apr. 10, 1942.

Ser. No. 453,975. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J. Filed July 1, 1942.

STYLEX

FOR FOUNTAIN PENS.

Claims use since June 23, 1942.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 454,590. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed July 29, 1942.

RACE RILEY AND THE COMMANDOS

FOR SERIAL DRAWINGS PUBLISHED IN DAILY AND SUNDAY NEWSPAPERS.

Claims use since June 22, 1942.

Ser. No. 454,614. TARPÉ MILLS, New York, N. Y. Filed July 30, 1942.



FOR A SERIES OF CARTOONS, OR COMIC STRIPS, IN BLACK AND WHITE, OR, IN COLORS, PUBLISHED IN NEWSPAPERS.

Claims use since Aug. 3, 1941.

CLASS 39

CLOTHING

Ser. No. 409,659. STONE-TARLOW CO., INC., Brockton, Mass. Filed Aug. 16, 1938.

STONE TARLOW
Signatures

Applicant, while insisting on the exclusive right to its corporate name, and without relinquishing any common law rights heretofore acquired in that name or any part thereof, disclaims the right to the exclusive use of the name "Tarlow" as a trade-mark except in the relation and association shown in the drawing.

Applicant is the owner of the trade-mark Registration No. 138,517, which was registered in the Patent Office December 28, 1920, and renewed.

FOR LEATHER SHOES.

Claims use since December, 1934.

Ser. No. 451,436. CHICOPEE SALES CORPORATION, New York, N. Y. Filed Mar. 6, 1942.

DOWN-WEVE

No claim is made to the word "Weve" apart from the mark.

FOR TEXTILE DIAPERS.

Claims use since Jan. 1, 1940.

Ser. No. 452,318. SEWELL MANUFACTURING COMPANY, Bremen, Ga. Filed Apr. 13, 1942.

City Club CLOTHES

No claim being made to the word "Clothes" except as shown.

FOR MEN'S AND BOYS' CLOTHING—NAMELY, MEN'S SUITS, BOYS' SUITS, MEN'S AND BOYS' SPORT COATS, TOP COATS, AND OVERCOATS.

Claims use since Aug. 1, 1941.

Ser. No. 452,678. MINNETTE C. SHAPIRO, doing business as Sweetsex, Brooklyn, N. Y. Filed Apr. 29, 1942.

SWEETSEX

FOR WOMEN'S, JUNIOR MISSES' AND CHILDREN'S WEARING APPAREL—NAMELY, COATS, SUITS, HATS; FUR GARMENTS, SPECIFICALLY, COATS, JACKETS, CAPES, WRAPS, SCARFS, MUFFS, HATS, GLOVES, COLLARS AND CUFFS; BLOUSES, DRESSES, EVENING GOWNS, BRIDAL GOWNS AND VEILS, BRASSIÈRES, GIRDLES, GARTER BELTS, GARTERS, PANTIES, SLIPS, PETTICOATS, NIGHTGOWNS, PAJAMAS, BATHROBES, NEGLIGEES, HOSIERY, SHOES OF LEATHER, FABRIC AND RUBBER, AND HANDKERCHIEFS.

Claims use since February, 1927.

Ser. No. 452,981. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed May 13, 1942.

ZIPPER

FOR SHOE HEELS AND SHOE SOLES MADE OF RUBBER AND/OR RUBBER-LIKE COMPOSITIONS.

Claims use since Apr. 9, 1942, on shoe soles and soling materials; and since Nov. 22, 1937, on shoe heels.

Ser. No. 453,587. TAILORBROOKE CLOTHES, INC., New York, N. Y. Filed June 10, 1942.

Tailorbrooke

FOR WOMEN'S AND MISSES' COATS AND SUITS.

Claims use since Jan. 1, 1936.

Ser. No. 453,737. JOANNE KIDDY DRESS MANUFACTURING COMPANY, INCORPORATED, Chicago, Ill. Filed June 18, 1942.

JOANNE KIDDY

FOR CHILDREN'S AND JUNIORS' DRESSES.

Claims use since Apr. 1, 1932.

Ser. No. 453,969. WELLS LAMONT SMITH CORPORATION, Chicago, Ill. Filed June 30, 1942.



HUNKY-DORY
MEMBER OF THE MULE FAMILY

FOR WORK GLOVES.

Claims use since Nov. 15, 1940.

Ser. No. 454,035. GLASGOW SPORTSWEAR, INC., New York, N. Y. Filed July 3, 1942.

ScotchCrown FASHIONED BY GLASGOW

No claim is made to the words "Scotch" and "Fashioned by Glasgow" apart from the mark.

FOR WOMEN'S AND CHILDREN'S SWEATERS.

Claims use since June, 1941.

Ser. No. 454,159. VIGDER BROS. INC., New York, N. Y. Filed July 10, 1942.

"Dimini"

FOR WOMEN'S AND MISSES' FUR COATS.

Claims use since May 23, 1942.

Ser. No. 454,176. JULIUS NELSON CORP., New York, N. Y. Filed July 11, 1942.

Laskar

FOR LADIES' AND MISSES' COATS, SUITS, JACKETS, AND COAT AND SUIT ENSEMBLES.

Claims use since Apr. 1, 1941.

Ser. No. 454,286. COPEMAN LABORATORIES COMPANY, Flint, Mich. Filed July 17, 1942.

COPEMANIZED

FOR HOSIERY.

Claims use since Jan. 5, 1942.

Ser. No. 454,306. SAMUEL J. GOLDFARB, New York, N. Y. Filed July 18, 1942.

Dynam-item

FOR LADIES' AND MISSES' DRESSES AND APRONS.

Claims use since June 1, 1942.

Ser. No. 454,354. WILLIAMSPORT HOSIERY CORPORATION, Williamsport, Md. Filed July 20, 1942.

Willcraft

FOR HOSIERY.
Claims use since Mar. 4, 1942.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 452,422. FOREMAN FABRICS CORP., New York, N. Y. Filed Apr. 18, 1942.

FORALAC

FOR COTTON, RAYON, AND/OR SILK PIECE GOODS.
Claims use since Mar. 17, 1942.

Ser. No. 453,323. CANTOR GREENSPAN CO., INC., New York, N. Y. Filed May 28, 1942.

Vineyard Hues

The word "Hues" is disclaimed apart from the mark.
FOR PIECE GOODS OF RAYON, COTTON, SILK, WOOL, AND MIXTURES THEREOF.
Claims use since Feb. 19, 1942.

Ser. No. 453,702. THE PAUL WHITIN MANUFACTURING COMPANY, Northbridge, Mass. Filed June 16, 1942. Under 10-year proviso.

ROCKDALE MILLS

FOR COTTON FABRICS IN THE PIECE.
Claims use since 1860.

Ser. No. 453,727. BOTANY WORSTED MILLS, Passaic, N. J. Filed June 18, 1942.

Beaulaine

FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since May 12, 1942.

Ser. No. 453,825. CROMPTON COMPANY, West Warwick, R. I. Filed June 23, 1942.

THICKSETTA

FOR FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, OR MIXTURES THEREOF.
Claims use since June 8, 1942.

Ser. No. 454,102. MILTON NEWMAN, doing business as Quaker Maid Mills, Philadelphia, Pa. Filed July 8, 1942.

FLUFTRED

FOR TOILET LID COVERS, BATH MATS AND RUGS.
Claims use since Aug. 15, 1941.

CLASS 43

THREAD AND YARN

Ser. No. 454,063. VERDI ZWICKER, New York, N. Y. Filed July 4, 1942.

"VIZ"

FOR CHEMICALLY TREATED YARN.
Claims use since Apr. 1, 1942.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 454,021. JACOB TISCHENKEL, doing business as Ko-Lime Extracts, New York, N. Y. Filed July 2, 1942.

KO-LIME

The word "Lime" is disclaimed apart from the mark.
FOR A BEVERAGE BASE FOR MAKING A SYRUP FOR SOFT DRINKS.
Claims use since July, 1938.

Ser. No. 454,350. SAFEWAY STORES, INC., OF NEVADA, doing business as Table Products Co., Reno, Nev., and Oakland, Calif. Filed July 20, 1942.

SILVER SIERRA

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND MIXERS.
Claims use since June, 1937.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 435,370. MINOT FLOUR MILL COMPANY, Minot, N. Dak. Filed Aug. 24, 1940.

SO-BIG



The picture of a baby is fanciful. The representation of a loaf of bread is disclaimed except as shown.
FOR WHEAT FLOUR.
Claims use since July 15, 1940.

Ser. No. 437,294. J. G. VAN HOLTEN & SON, INC., Milwaukee, Wis. Filed Oct. 25, 1940.

BROWN BOTTLE

No claim is made to the use of a bottle of brown color.
FOR PICKLES.
Claims use since Oct. 3, 1940.

Ser. No. 449,118. RALPH BLOOM, doing business as Cino Chemical Company, Cincinnati, Ohio. Filed Dec. 3, 1941.

Cino-LACTO

No claim is made to the word "Lacto" apart from the mark.
FOR FLAVORING MATERIAL DESIGNED FOR USE AS A BUTTER SUBSTITUTE IN THE MANUFACTURE OF BAKERY GOODS, CONFECTIONERY AND IN OTHER MATERIALS WHERE BUTTER IS USED.
Claims use since Nov. 6, 1941.

Ser. No. 453,443. LOUIS LOEB, doing business as Swiss American Trading Company, Brooklyn, N. Y. Filed June 3, 1942.

CARA-MALT ---A BEVERAGE

The words "Malt" and "A Beverage" are disclaimed apart from the mark as shown.
FOR COFFEE SUBSTITUTES, CONTAINING MALT, WITH AND WITHOUT THE ADMIXTURE OF COFFEE.
Claims use since May 1, 1942.

Ser. No. 453,909. BRUCE'S JUICES, INC., Tampa, Fla. Filed June 27, 1942.



Applicant is the owner of trade-mark registration No. 374,765, registered Jan. 23, 1940.
FOR FRUIT AND VEGETABLE EXTRACTS AND JUICES IN CONDENSED FORM, FOR FOOD PURPOSES.
Claims use since Feb. 24, 1942.

Ser. No. 453,987. LOMA LINDA FOOD COMPANY, Arlington, Calif. Filed July 1, 1942.

Smokene

FOR FOOD SEASONING—NAMELY, A CONDIMENT MADE FROM SMOKEHOUSE-TREATED NAVY BEANS WITH ADDED CONDENSED WOOD SMOKE AND SALT, USED FOR FLAVORING SUCH ARTICLES OF FOOD AS STEWS, HASH, OR GRAVIES.
Claims use since May 1, 1942.

Ser. No. 454,114. DANISH BANQUET CHEESE COMPANY, Nisqually, Wash. Filed July 9, 1942.

SMÖRBLOMMAN

FOR CHEESE.
Claims use since May, 1942.

Ser. No. 454,160. WESTERN OREGON PACKING CORPORATION, Corvallis, Oreg. Filed July 10, 1942.

Rose Festival

FOR CANNED FRUITS, BERRIES, VEGETABLES.
Claims use since August, 1939.

Ser. No. 454,207. TRI-VALLEY PACKING ASSOCIATION, San Francisco, Calif. Filed July 13, 1942.

COCK O'THE LAND

Applicant is the owner of trade-mark registration No. 137,962.
FOR CANNED FRUITS, CANNED VEGETABLES.
Claims use since June 11, 1942.

Ser. No. 454,208. VENTURA PACIFIC CO., Montalvo, Calif. Filed July 13, 1942.

ONWARD

FOR FRESH CITRUS FRUITS.
Claims use since May 18, 1942.

Ser. No. 454,284. CALIFRUIT COMPANY, San Jose, Calif. Filed July 17, 1942.

VALIA

FOR CANNED VEGETABLES.
Claims use since Aug. 1, 1941.

Ser. No. 454,443. GOLD RIBBON RANCH, Shafter and Arvin, Calif. Filed July 21, 1942.



FOR FRESH VEGETABLES—NAMELY, POTATOES.
Claims use since May 15, 1935.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 437,230. HAROLD WARP, doing business as Flex-O-Glass Manufacturing Co., and as Warp Brothers, Chicago, Ill. Filed Oct. 23, 1940.

GLASS-O-NET

No claim is made to the word "Net" apart from the mark.

FOR TRANSPARENT AND TRANSLUCENT SHEET MATERIALS OF NATURAL AND ARTIFICIAL RESINS AND PLASTICS USED AS SUBSTITUTES FOR GLASS PANES IN LIGHT ADMITTING OPENINGS AND FOR OTHER PURPOSES.
Claims use since April, 1940.

Ser. No. 437,231. HAROLD WARP, doing business as Flex-O-Glass Manufacturing Co., and as Warp Brothers, Chicago, Ill. Filed Oct. 23, 1940.

WYR-O-GLASS

No claim is made to the word "Wyr" apart from the mark.

FOR TRANSPARENT AND TRANSLUCENT SHEET MATERIALS OF NATURAL AND ARTIFICIAL RESINS AND PLASTICS USED AS SUBSTITUTES FOR GLASS PANES IN LIGHT ADMITTING OPENINGS AND FOR OTHER PURPOSES.
Claims use since April, 1940.

Ser. No. 448,343. STEVENS AND ASSOCIATES, INC., Indianapolis, Ind. Filed Nov. 1, 1941.



The wording "All American Fashions" is disclaimed apart from the mark.
FOR PRINTING MATRICES.
Claims use since July 15, 1941.

Ser. No. 450,081. WILLIAM W. STANLEY CO., INC., New York, N. Y. Filed Jan. 8, 1942.

PYROSTAN

FOR FIRE AND WATERPROOF CANVAS TEXTILE FABRICS.
Claims use since Nov. 1, 1941.

Ser. No. 452,025. CLYDE ALBERT ROBINSON, doing business as Plasticraft Products Co., New York, N. Y. Filed Mar. 30, 1942.

PLASTICRAFT

FOR SIGNS IN THE NATURE OF NAMEPLATES.
Claims use since Oct. 9, 1936.

Ser. No. 453,602. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed June 11, 1942.

THRIF-T-LID

The word "Lid" is disclaimed apart from the mark.
FOR CLOSURES FOR BOTTLES, JARS, AND OTHER CONTAINERS.
Claims use since May 13, 1942.

Ser. No. 453,746. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed June 19, 1942. Under the act of February 20, 1905, as amended June 10, 1938.

LUMAPANE

FOR FLEXIBLE MATERIAL SUITABLE FOR USE AS A SUBSTITUTE FOR GLASS.
Claims use since May 12, 1942.

Ser. No. 454,079. ELLWOOD F. WHITCHURCH, doing business as The Ellwood Company, Chicago, Ill. Filed July 6, 1942.

RED HEAD

FOR BOTTLE CAPS AND RESEALERS.
Claims use since Apr. 17, 1942.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 15, 1942

397,656. SOAP AND SOAP POWDER. TEKNISKA AKTIEBOLAGET FLORA, Gavle, Sweden.
Filed May 3, 1939. Serial No. 419,049. PUBLISHED NOVEMBER 14, 1939. Class 4.

397,657. WATERPROOF PLYWOOD ROW BOATS. J. E. HIGGINS LUMBER COMPANY, doing business as Strable Hardwood Company, Oakland, Calif.
Filed March 4, 1940. Serial No. 429,177. PUBLISHED JULY 7, 1942. Class 19.

397,658. DEVELOPED MOTION PICTURE FILMS. JAMES H. SMITH, New York, N. Y.
Filed January 15, 1941. Serial No. 439,708. PUBLISHED JULY 7, 1942. Class 26.

397,659. PLAYING CARDS. JAMES C. GAFFNEY, New York, N. Y.
Filed February 8, 1941. Serial No. 440,465. PUBLISHED JULY 7, 1942. Class 22.

397,660. FRESH GRAPES. REX MCCARTNEY, doing business as R. McCartney, Hanford, Calif.
Filed March 18, 1941. Serial No. 441,679. PUBLISHED JULY 7, 1942. Class 46.

397,661. PRINTING PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed April 16, 1941. Serial No. 442,630. PUBLISHED JULY 7, 1942. Class 37.

397,662. SOAP. CHAS. W. YOUNG & CO., Philadelphia, Pa.
Filed May 2, 1941. Serial No. 443,212. PUBLISHED JULY 15, 1941. Class 4.

397,663. RUGS. LIBERTYVILLE TEXTILES, INC., Chicago, Ill.
Filed May 21, 1941. Serial No. 443,773. PUBLISHED JULY 7, 1942. Class 42.

397,664. LAWN SPRINKLER. T. AND L. NOVELTY COMPANY, Cleveland, Ohio.
Filed July 23, 1941. Serial No. 445,622. PUBLISHED JULY 7, 1942. Class 13.

397,665. FLUID FLOWMETERS; RING BALANCE METERS; CHART TYPE RECORDERS FOR RECORDING FLUID FLOW, PRESSURE, ETC. REPUBLIC FLOW METERS COMPANY, Chicago, Ill.
Filed September 5, 1941. Serial No. 446,812. PUBLISHED JULY 7, 1942. Class 26.

397,666. SLACKS, CULOTTES, DRESSES, OUTER SHORTS, TROUSERS, BATH AND BEACH ROBES, HATS, ETC. COWDEN MANUFACTURING COMPANY, Kansas City, Mo.
Filed September 18, 1941. Serial No. 447,121. PUBLISHED JULY 7, 1942. Class 39.

397,667. WHITE SHOE CLEANER. ROCH D. KAWERK, doing business as Victory Products Co., Birmingham, Ala.
Filed September 29, 1941. Serial No. 447,396. PUBLISHED JULY 7, 1942. Class 4.

397,668. REAL ORCHIDS. YOHLER AND MITCHELL, INC., Indianapolis and Carmel, Ind.
Filed October 10, 1941. Serial No. 447,680. PUBLISHED JULY 7, 1942. Class 1.

397,669. TEXTILE PIECE GOODS WHICH HAVE BEEN WATERPROOFED BY TREATING WITH A VINYL COMPOUND. CHICAGO RUBBER CLOTHING COMPANY, Racine, Wis.
Filed November 17, 1941. Serial No. 448,691. PUBLISHED JULY 7, 1942. Class 50.

397,670. SOAPS. COSMATA, INC., Long Island City, N. Y.
Filed November 19, 1941. Serial No. 448,755. PUBLISHED JULY 7, 1942. Class 4.

397,671. FLUSHING AND LUBRICATING OIL. THE NATIONAL REFINING COMPANY, Cleveland, Ohio.
Filed November 24, 1941. Serial No. 448,871. PUBLISHED JUNE 30, 1942. Class 15.

397,672. CANDY. E. J. BRACH & SONS, Chicago, Ill.
Filed December 6, 1941. Serial No. 449,221. PUBLISHED JULY 7, 1942. Class 46.

397,673. LADIES' HATS. OGUS, RABINOVICH & OGUS, INC., New York, N. Y.
Filed December 30, 1941. Serial No. 449,866. PUBLISHED JULY 7, 1942. Class 39.

397,674. WRITING AND PRINTING PAPER. THE AULT & WIBORG COMPANY (Far East), New York, N. Y.
Filed January 7, 1942. Serial No. 450,043. PUBLISHED JULY 7, 1942. Class 37.

397,675. LIGHT WEIGHT GRANULAR AGGREGATE AND HEAT INSULATING MEDIUM MADE FROM EXPANDED ERUPTIVE ROCK. ORANGE J. SALISBURY, Pasadena, Calif.
Filed January 8, 1942. Serial No. 450,078. PUBLISHED JULY 7, 1942. Class 12.

397,676. FOOD PRODUCT FOR INFANTS, INVALIDS, AND ADULTS, COMPOSED OF MALTOSE, DEXTRINS, ENZYMIC DIGEST OF CASEIN, ETC. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed January 15, 1942. Serial No. 450,239. PUBLISHED JULY 7, 1942. Class 46.

397,677. NEWSPAPER. THE CHAT, INCORPORATED, Brooklyn, N. Y.
Filed January 23, 1942. Serial No. 450,414. PUBLISHED JULY 7, 1942. Class 38.

397,678. FOUNDRY SUPPLIES, SPECIFICALLY CORE WASH, MUDDING COMPOUND, PATTERN COATING MATERIAL, ETC. POLLARD OIL PRODUCTS CORPORATION, Milwaukee, Wis.
Filed January 24, 1942. Serial No. 450,457. PUBLISHED JULY 7, 1942. Class 1.

397,679. WATCHES, WATCH MOVEMENTS, WATCH DIALS, AND WATCH CASES. SCHEIN & ENGEL COMPANY, New York, N. Y.
Filed January 24, 1942. Serial No. 450,460. PUBLISHED JULY 7, 1942. Class 27.

397,680. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. J. J. SCHMUKLER & SONS, New York, N. Y.
Filed January 24, 1942. Serial No. 450,462. PUBLISHED JULY 7, 1942. Class 28.

397,681. TAX RECORD BOOKS. NICHOLAS PICCHIONE, doing business as Dome Publishing Co., Providence, R. I.
Filed January 26, 1942. Serial No. 450,491. PUBLISHED JULY 7, 1942. Class 37.

397,682. SIMULATED INDIVIDUAL PEARLS. OMAR, INC., New York, N. Y.
Filed February 6, 1942. Serial No. 450,810. PUBLISHED JULY 7, 1942. Class 28.

397,683. IRON AND WIRE FENCING, METAL SCREEN AND WIRE NETS. ATLAS FENCE COMPANY, Philadelphia, Pa.
Filed February 7, 1942. Serial No. 450,824. PUBLISHED JULY 7, 1942. Class 13.

397,684. SMOKING TOBACCO. LARUS & BROTHER COMPANY, INC., Richmond, Va.
Filed February 18, 1942. Serial No. 451,055. PUBLISHED JULY 7, 1942. Class 17.

397,685. AIR CONDITIONING UNITS. ERWIN L. WEBER, Seattle, Wash.
Filed February 21, 1942. Serial No. 451,154. PUBLISHED JULY 7, 1942. Class 34.

397,686. VALENTINES AND GREETING CARDS. LILLIAN DUFFY, Jackson Heights, N. Y.
Filed February 27, 1942. Serial No. 451,264. PUBLISHED JULY 7, 1942. Class 38.

397,687. COAL. FAIRVIEW COLLIERIES CORPORATION, Indianapolis, Ind., and Fairview, Ill.
Filed March 13, 1942. Serial No. 451,595. PUBLISHED JULY 7, 1942. Class 1.

397,688. RAYON PIECE GOODS. WILLIAM SKINNER & SONS, Holyoke, Mass.
Filed March 13, 1942. Serial No. 451,613. PUBLISHED JULY 7, 1942. Class 42.

397,689. PLANOGRAPHIC PLATES OF TREATED PAPER. ADDRESSOGRAPH-MULTIGRAPH CORPORATION, Cleveland, Ohio.
Filed March 14, 1942. Serial No. 451,618. PUBLISHED JULY 7, 1942. Class 50.

397,690. STERLING SILVER FLATWARE. HOME DECORATORS, INC., Newark, N. Y.
Filed March 19, 1942. Serial No. 451,748. PUBLISHED JULY 7, 1942. Class 28.

397,691. COTTON AND RAYON AND COTTON AND RAYON MIXED GOODS IN THE PIECE. TABIN-PICKER & COMPANY, Chicago, Ill.
Filed March 24, 1942. Serial No. 451,880. PUBLISHED JUNE 23, 1942. Class 42.

397,692. DRAW STRING HAIR NETS, WATER WAVE NETS, HUMAN HAIR NETS, TRIANGLE VEILS, SHAMPOO APRONS. BENJAMIN GUZOFSKY, doing business as Ben-Gee Sales Company, New York, N. Y.
Filed March 27, 1942. Serial No. 451,932. PUBLISHED JULY 7, 1942. Class 39.

397,693. COFFEE. S. A. SCHONBRUNN & CO., INC., New York, N. Y.
Filed March 31, 1942. Serial No. 452,058. PUBLISHED JULY 7, 1942. Class 46.

397,694. CUT STONES. DANIEL ROSENTHAL, doing business as Gabriel Williams Company, New York, N. Y.
Filed April 3, 1942. Serial No. 452,134. PUBLISHED JULY 7, 1942. Class 28.

397,695. CLEANING COMPOUND IN BOTH LIQUID AND POWDERED FORM FOR CLEANING SUITS, COATS, DRESSES, NECKTIES, RUGS, CARPETS, TAPESTRIES AND OTHER ARTICLES OF TEXTILE MATERIALS. THE LA RENZ COMPANY, Cleveland, Ohio.
Filed April 7, 1942. Serial No. 452,193. PUBLISHED JULY 7, 1942. Class 4.

397,696. COSTUME JEWELRY, NOT INCLUDING WATCHES. NAT LEVY, New York, N. Y.
Filed April 8, 1942. Serial No. 452,223. PUBLISHED JULY 7, 1942. Class 28.

397,697. FILING CARD SYSTEM COMPRISING FILING CARDS, FILE BOX FOR FILING CARDS, ETC. THE PURE OIL COMPANY, Chicago, Ill.
Filed April 11, 1942. Serial No. 452,293. PUBLISHED JULY 7, 1942. Class 37.

397,698. KNITTING NEEDLES FOR HAND USE. C. J. BATES & SON, Chester, Conn.
Filed April 13, 1942. Serial No. 452,303. PUBLISHED JULY 7, 1942. Class 40.

397,699. LUBRICANTS. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed April 13, 1942. Serial No. 452,314. PUBLISHED JUNE 30, 1942. Class 15.

397,700. LUBRICANTS. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed April 13, 1942. Serial No. 452,315. PUBLISHED JUNE 30, 1942. Class 15.

397,701. LUBRICANTS. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed April 13, 1942. Serial No. 452,316. PUBLISHED JUNE 30, 1942. Class 15.

397,702. WRITING PAPER AND MAILING ENVELOPES. WHITE & WYCKOFF MFG. CO., Holyoke, Mass.
Filed April 13, 1942. Serial No. 452,320. PUBLISHED JULY 7, 1942. Class 37.

397,703. MAGAZINE. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed April 16, 1942. Serial No. 452,381. PUBLISHED JULY 7, 1942. Class 38.

397,704. CRUSHED QUARTZ REFRACTORY. CONCRETE MATERIALS COMPANY, Sioux Falls, S. Dak.
Filed April 17, 1942. Serial No. 452,387. PUBLISHED JULY 7, 1942. Class 1.

397,705. TEXTILE DIAPERS. THE MILLVILLE MANUFACTURING COMPANY, Philadelphia, Pa.
Filed April 17, 1942. Serial No. 452,402. PUBLISHED JULY 7, 1942. Class 39.

397,706. BEDSPREADS, TABLECOVERS, LINENS, AND LACES. LABÉ IMPORTING CO., New York, N. Y.
Filed April 18, 1942. Serial No. 452,429. PUBLISHED JULY 7, 1942. Class 42.

397,707. TOWELS, BUREAU SCARVES, DRESSER SCARVES, DOILIES, NAPKINS, TABLECLOTHS, BRIDGE SETS, LUNCHEON SETS. ARTMART LINEN CO. INC., New York, N. Y.
Filed April 20, 1942. Serial No. 452,442. PUBLISHED JULY 7, 1942. Class 42.

397,708. PIPE MIXTURE. LENA L. HUGHUNIN, doing business as Hugunin's, Los Angeles, Calif.
Filed April 21, 1942. Serial No. 452,476. PUBLISHED JULY 7, 1942. Class 17.

397,709. FINGER RINGS, LOCKETS, BRACELETS, WATCH CHAINS, TIE CHAINS, KEY CHAINS, CUFF LINKS, ETC. IRVING J. HOFFENBERG, Providence, R. I.
Filed April 23, 1942. Serial No. 452,534. PUBLISHED JULY 7, 1942. Class 28.

397,710. COMIC STRIP PUBLISHED IN PERIODICALS. THE BRAMSON PUBLISHING COMPANY, Detroit, Mich.
Filed April 27, 1942. Serial No. 452,599. PUBLISHED JULY 7, 1942. Class 38.

397,711. MATERIAL (IN LIQUID FORM) APPLICABLE TO SURFACES OF CONCRETE OR THE LIKE TO FORM THEREON, WHEN DRY, A SEALING FILM TENDING TO RETAIN WITHIN THE CONCRETE BODY THE ORIGINAL WATER CONTENT THEREOF. A. F. VAN WOLF, doing business as Kedmont Manufacturing & Waterproofing Co., Chicago, Ill.
Filed April 27, 1942. Serial No. 452,627. PUBLISHED JULY 7, 1942. Class 12.

397,712. PERIODICAL PUBLISHED MONTHLY. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y.
Filed April 29, 1942. Serial No. 452,673. PUBLISHED JULY 7, 1942. Class 38.

397,713. PERIODICAL PUBLISHED MONTHLY. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y.
Filed April 29, 1942. Serial No. 452,675. PUBLISHED JULY 7, 1942. Class 38.

397,714. PERIODICAL. FREE WORLD, INC., New York, N. Y.
Filed April 30, 1942. Serial No. 452,688. PUBLISHED JULY 7, 1942. Class 38.

397,715. FRESH DATES. R. C. NICOLL, doing business as Valerie Jean Date Shop, Thermal, Calif.
Filed May 1, 1942. Serial No. 452,731. PUBLISHED JULY 7, 1942. Class 46.

397,716. HANDBAGS AND KNITTING BAGS CONSTRUCTED OF DIFFERENT KINDS OF FABRICS. MARK CROSS COMPANY, New York, N. Y.
Filed May 2, 1942. Serial No. 452,749. PUBLISHED JULY 7, 1942. Class 3.

397,717. CANNED FRUITS AND VEGETABLES INCLUDING SWEET POTATOES, KADOTA FIGS, SEEDLESS GRAPES, AND CORN ON COB. SHIELD FOODS, INC., Buffalo, N. Y.
Filed May 6, 1942. Serial No. 452,840. PUBLISHED JULY 7, 1942. Class 46.

397,718. EGGS. SOUTHERN STATES MARKETING COOPERATIVE, INCORPORATED, Richmond, Va.
Filed May 6, 1942. Serial No. 452,841. PUBLISHED JULY 7, 1942. Class 46.

397,719. ELECTRIC FENCE CONTROLLERS (DEVICE FOR ELECTRIFYING A WIRE FENCE). SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed May 11, 1942. Serial No. 452,940. PUBLISHED JULY 7, 1942. Class 21.

397,720. ELECTRIC FENCE CONTROLLERS (DEVICE FOR ELECTRIFYING A WIRE FENCE). SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed May 11, 1942. Serial No. 452,941. PUBLISHED JULY 7, 1942. Class 21.

397,721. WALLETS. AUGUSTUS DI FLUMERI, Newark, N. J.
Filed May 12, 1942. Serial No. 452,958. PUBLISHED JULY 7, 1942. Class 3.

397,722. FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS, FRESH VEGETABLES AND GRAPES. ROBERT R. GREENBERG & CO., INC., Reedley, Calif.
Filed May 13, 1942. Serial No. 452,982. PUBLISHED JULY 7, 1942. Class 46.

397,723. MAGAZINES PUBLISHED MONTHLY. SCHENLEY DISTILLERIES, INC., New York, N. Y., and Baltimore, Md.
Filed May 15, 1942. Serial No. 453,039. PUBLISHED JULY 7, 1942. Class 38.

397,724. MUSIC BOOKS PUBLISHED FROM TIME TO TIME. D. APPLETON-CENTURY COMPANY, INCORPORATED, New York, N. Y.
Filed May 19, 1942. Serial No. 453,097. PUBLISHED JULY 7, 1942. Class 38.

397,725. METAL STRAPPING FOR BOXES, BALES, BUNDLES, AND THE LIKE. SIGNODE STEEL STRAPPING COMPANY, Chicago, Ill.
Filed May 20, 1942. Serial No. 453,143. PUBLISHED JULY 7, 1942. Class 13.

397,726. NIPPLES AND NURSING BOTTLES USED IN COMBINATION WITH THE NIPPLES. THE DANDRO-NOX CO., Baltimore, Md.
Filed May 25, 1942. Serial No. 453,237. PUBLISHED JULY 7, 1942. Class 44.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

397,727. (CLASS 39. CLOTHING.) HOWARD'S FIFTH AVENUE INC., New York, N. Y. Filed Mar. 7, 1941. Serial No. 441,319.

Dickee-Bra

FOR WOMEN'S GARMENT ACCESSORY CONSISTING OF A BRASSIÈRE COMBINED WITH ONE OR MORE OF THE FOLLOWING: A DICKEY, COLLAR, JABOT, CHIGNON, OR WATERFALL.
Claims use since Jan. 30, 1941.

397,728. (CLASS 15. OILS AND GREASES.) DOUGLAS OIL & REFINING COMPANY. Los Angeles, Calif. Filed July 28, 1941. Serial No. 445,689.

DOUGLAS

FOR GASOLINE.
Claims use since July 10, 1941.

397,729. (CLASS 5. ADHESIVES.) THE W. S. TYLER COMPANY, Cleveland, Ohio. Filed Aug. 5, 1941. Serial No. 446,008.

Bond-Tite

FOR ADHESIVE CEMENT FOR APPLYING EDGING TO SCREEN CLOTH.
Claims use since July 28, 1941.

397,730. (CLASS 33. GLASSWARE.) OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Aug. 16, 1941. Serial No. 446,303.

SUPER PRESSED

FOR GLASS BOTTLES AND JARS.
Claims use since Aug. 1, 1941.

397,731. (CLASS 38. PRINTS AND PUBLICATIONS.) CURTISS-WRIGHT CORPORATION, New York and Buffalo, N. Y., Columbus, Ohio, and St. Louis, Mo. Filed Oct. 10, 1941. Serial No. 447,658.

The Curtiss WRIGHT-ER

FOR A NEWSPAPER PUBLISHED PERIODICALLY.
Claims use since July 18, 1941.

397,732. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GRAND RAPIDS STORE EQUIPMENT COMPANY, Grand Rapids, Mich. Filed Oct. 24, 1941. Serial No. 448,079.

Panelite

FOR FLUORESCENT ELECTRIC LIGHTING FIXTURES.
Claims use since Mar. 13, 1940.

397,733. (CLASS 15. OILS AND GREASES.) CHESTER S. ALLEN, doing business as West Penn Oil Company, Warren, Pa. Filed Mar. 5, 1942. Serial No. 451,405.

Fineroil

FOR LUBRICATING OILS AND GREASES.
Claims use since January, 1927.

397,734. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) WASHINGTON STOVE WORKS, Everett, Wash. Filed Mar. 9, 1942. Serial No. 451,519.

ALASKA

FOR COOKING STOVES AND RANGES OF THE TYPE USING COAL, WOOD, OR OIL.
Claims use since July 15, 1912.

397,735. (CLASS 43. THREAD AND YARN.) THE BAER COMPANY, Lehighton, Pa. Filed June 22, 1942. Serial No. 453,819.

Twist De Chine

FOR YARNS USED FOR KNITTING AND WEAVING PURPOSES.
Claims use since May 1, 1941.

397,736. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y. Filed July 6, 1942. Serial No. 454,066.

Kellogg-American

FOR AIR COMPRESSORS, MOTOR DRIVEN AIR COMPRESSOR UNITS, AIR CONTROLLED AUTOMOBILE LIFTS, AIR COMPRESSOR UNLOADERS, SPRAY GUNS, REGULATING VALVES AND AIR FILTERS FOR USE WITH SPRAY GUNS AND PARTS THEREOF.
Claims use since Dec. 3, 1940.

397,737. (CLASS 38. PRINTS AND PUBLICATIONS.) FRENTRUP PUBLISHING COMPANY, San Francisco, Calif. Filed July 14, 1942. Serial No. 454,214.

SAN FRANCISCO LIFE

FOR A MONTHLY MAGAZINE.
Claims use since Oct. 1, 1933.

TRADE-MARK REGISTRATIONS RENEWED

151,844. **LIBERTY.** REAR-VIEW MIRRORS. Registered February 14, 1922. LIBERTY MIRROR WORKS, Pittsburgh, Pa. Renewed February 14, 1942, to Liberty Mirror Works, Brackenridge, Pa., a corporation of Pennsylvania, successor.

158,094. **FIRST AID.** NONCEREAL, NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. Registered August 22, 1922. E. & H. SILVERMAN, doing business as The First Aid Syrup Co. Renewed August 22, 1942, to Harry Silverman, doing business as First Aid Syrup Co. of America, Hazleton, Pa., successor.

158,102. **FIRE-FOG.** WATER AND OTHER LIQUID SPRAYING SYSTEMS AND PARTS OF SAID SYSTEMS. Registered August 22, 1922. SPRAY ENGINEERING COMPANY, Boston, Mass. Renewed August 22, 1942, to Spray Engineering Company, Somerville, Mass., a corporation of Massachusetts, assignee.

158,614. **KICK-IN.** WOMEN'S SKIRT DRAWERS AND COMBINATIONS. Registered September 12, 1922. DOROTHY BICKUM, New York, N. Y. Renewed September 12, 1942.

159,975. **MELOWEST.** CHEESE. Registered October 10, 1922. THE OREGON DAIRYMEN'S COOPERATIVE LEAGUE, Portland, Oreg. Renewed October 10, 1942, to Coos Bay Mutual Creamery Company, Marshfield, Oreg., a cooperative association of Oregon, assignee by mesne assignments.

160,264. **GAY PAREE.** CERTAIN NAMED TOILET, CHEMICAL, AND MEDICINAL PREPARATIONS. Registered October 17, 1922. PALMERS, LIMITED, doing business as Minty. Renewed October 17, 1942, to Palmers Limited, Montreal, Quebec, Canada, a corporation of Canada, successor.

162,602. **OPTIMUS.** TOILET, LAUNDRY, AND DRY-CLEANING SOAP, RAZOR STROPS, LIQUID PREPARATIONS FOR CLEANING CLOTH, AND METAL POLISH. Registered December 19, 1922. STEWART & HOLMES DRUG CO., Seattle, Wash. Renewed December 19, 1942, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland, successor.

160,684. **OPTIMUS.** TOOTHBRUSHES, HAIRBRUSHES, LATHER OR SHAVING BRUSHES, AND BATH BRUSHES. Registered October 24, 1922. STEWART & HOLMES DRUG CO., Seattle, Wash. Renewed October 24, 1942, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland, successor.

162,068. **ENRO.** DRESS AND OUTER SHIELDS, UNDERSHIRTS, COLLARS, PYJAMAS, AND DRAWERS. Registered December 5, 1922. ENRO SHIRT COMPANY. Renewed December 5, 1942, to The Enro Shirt Co., Incorporated, Louisville, Ky., a corporation of Kentucky, successor.

162,335. **RAINBOW.** CANDY. Registered December 12, 1922. PACKAGE CONFECTIONERY COMPANY, Boston, Mass. Renewed December 12, 1942, to Edgar P. Lewis & Sons, Inc., Malden, Mass., a corporation of Massachusetts, successor.

163,016. **"A C C A" AND DRAWING.** ABSORBENT COTTON. Registered January 2, 1923. THE ABSORBENT COTTON COMPANY OF AMERICA, Valley Park, Mo., a corporation of Missouri. Renewed January 2, 1943.

REISSUES

SEPTEMBER 15, 1942

22,178

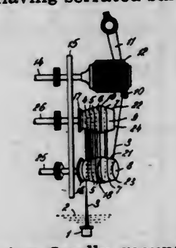
MANUFACTURE OF RAYON AND THE LIKE

Oskar Oppenlaender, Stuttgart, Germany, assignor, by mesne assignments, to American Enka Corporation, Enka, N. C., a corporation of Delaware

Original No. 2,107,451, dated February 8, 1938, Serial No. 42,604, September 28, 1935. Application for reissue March 5, 1940, Serial No. 322,279½

8 Claims. (Cl. 18—8)

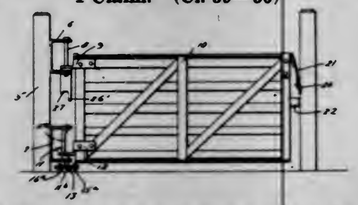
1. In apparatus for spinning rayon and the like, the combination with a spinnerette and a collecting device of a plurality of power-driven rotors over which the thread is looped in its travel from the spinnerette to the collecting device, said rotors having serrated surfaces of conical form and being fixedly mounted in spaced relation to each other on separate shafts.



PATENTS

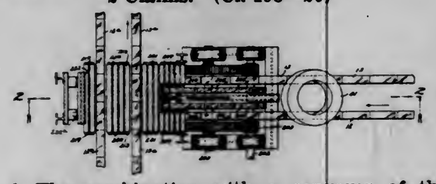
GRANTED SEPTEMBER 15, 1942

2,295,525
GATE
Harm Ahlrichs, Petersburg, Ill.
Application April 10, 1941, Serial No. 387,950
1 Claim. (Cl. 39—56)



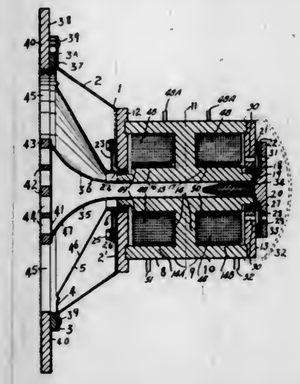
In a gate structure including a gate and a post, a bracket connected with the post and having outwardly extending arms, a vertically arranged crank pin journaled in the arms by straight end portions, the lower end portion being extended to pass downwardly well beyond the lower arm of the bracket, a stationary bearing supported in the gateway and into which the said extended lower end of the crank pin extends, a bracket on the gate having an outwardly extending part formed with a hole for receiving the crank part of the pin, a disk connected with the extended lower end of the pin and resting on the bearing, rods connecting the said disk and extending in opposite directions, and wheel operated cranks operatively connected to said rods.

2,295,526
STEEL MILL CONVEYER
George A. Bee, Detroit, and Jesse E. McBride, Highland Park, Mich., assignors to Palmer-Bee Company, Detroit, Mich., a corporation of Michigan
Original application May 25, 1938, Serial No. 210,012. Divided and this application February 3, 1940, Serial No. 317,060
2 Claims. (Cl. 198—20)



1. The combination with a conveyer of the type having a pair of transversely spaced parallel supporting tracks, a pair of load carrying chains one on each of said tracks with each of said chains being supported and driven upon its respective track, and a second similar transversely spaced parallel chain conveyer positioned substantially at right angles to said first mentioned parallel chain conveyer; of mechanism for effecting transfer of material from said first mentioned conveyer line to said second conveyer line comprising a pair of roller platforms extending beyond and spaced transversely of said first mentioned parallel chains and bridging between the end of the effective load carrying portion of said load carrying chains of said first mentioned conveyer line and the adjacent second mentioned chain conveyer, and an auxiliary load carrying caterpillar chain positioned between said first two transversely spaced parallel chains and extending into the space between said roller platforms in such position as to form a bridging platform with a central drive portion between said first and second conveyer lines.

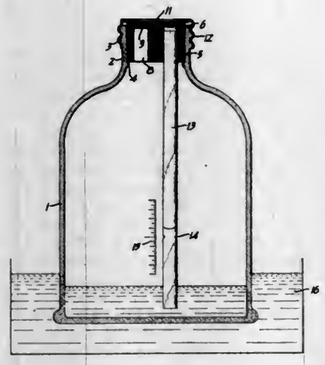
2,295,527
ELECTRODYNAMIC AND ELECTROACOUSTICAL APPARATUS
Raymond E. Bowley, San Anselmo, Calif., by decree of distribution to Eve Mary Bowley
Application October 17, 1940, Serial No. 361,593
2 Claims. (Cl. 179—116)



1. In combination in an electro-dynamic electro-acoustical device forming a loud speaker, two diaphragms each carrying a signal current coil mounted on a cylindrical sleeve attached thereto, one diaphragm having a relatively stiff curved central portion and a flanged periphery permitting the stiff central portion of the diaphragm to move relatively to the fixed outer periphery thereof, the other diaphragm having the form substantially of a truncated cone having an unobstructed open center portion coinciding with the sleeve and coil carried thereby, and having a flanged periphery, and two electro-dynamic field magnet units including a pair of inner pole portions one in front of the other, a pair of outer pole plates each having a circular opening therein concentric with the inner pole portions, the outer end of each inner pole portion projecting into the circular opening in one outer pole plate, the arrangement forming two magnetic air-gaps one in front of the other, and apertured magnet yoke portions in adjacent relationship supporting the butt ends of the inner pole portions and connecting the two field magnet units in adjacent concentric systems, the inner magnet poles being hollow and open at both ends forming a single open ended air column extending through the apertured yoke portions of the magnet system, the two air-gaps and the two diaphragms being located adjacent opposite ends of the inner magnet poles, separate mountings for the two diaphragms attached to

the magnet system supporting the peripheries thereof in a fixed position, a flexible member associated with the conical diaphragm and its mounting flexibly suspending the sleeve and coil movable in one magnetic air-gap, the signal current coil carried by the smaller diaphragm being flexibly suspended movable in the other air-gap wherein the contour of the smaller diaphragm and the adjacent portions of the magnet poles coincide, the arrangement forming a chamber having small volume between the smaller diaphragm and the magnet poles, and an orificed baffle member applied to the opposite side of the smaller diaphragm, the orificed portion of the baffle forming passage for sound waves from one side of the baffle member to the fluid area on the opposite side of the baffle member in acoustical relationship with the smaller diaphragm, and a horn attachment applied to the device on the outer side of the orificed baffle member having communication through the orificed portion of the baffle with the smaller diaphragm, the arrangement forming a chamber having small volume between the adjacent surface of the baffle member and the smaller diaphragm, the mass, elasticity and viscosity of the air in the said two small chambers tending to cooperate in efficiently modifying the mechanical movement of the smaller diaphragm.

2,295,528
METHOD FOR MEASURING THE DEGREE OF VACUUM IN SEALED CONTAINERS
Fred A. Cutter, Oakland and William F. Butler, Berkeley, Calif., assignors to Cutter Laboratories, Berkeley, Calif., a corporation of California
Application April 24, 1940, Serial No. 331,302
3 Claims. (Cl. 73—31)



3. The method of determining the degree of vacuum within a sealed transparent container partially filled with liquid and provided with a transparent tube having its lower end immersed in said liquid and its upper end sealed, and wherein the vapor pressure within the tube is substantially equal to the vapor pressure surrounding said tube, comprising: increasing the temperature of the contents of said container substantially 75° C. in a period of from 15 seconds to 2 minutes so as to cause a column of liquid to rise in said tube; and immediately comparing the height of said column with a previously calibrated scale.

2,295,529
DEVICE FOR COMPACTING POWDERS
Ernest L. Gooden, Washington, D. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
Application December 31, 1940, Serial No. 372,523
1 Claim. (Cl. 226—71)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A device for compacting powdered materials, comprising a stem and an attached foot, the stem provided with kinks to assist in feeding the material, and the foot in the general shape of a solid right circular cone frustum with a segment cut away on one side to form a passage for the uncompacted material, the basal diameter of the foot being only slightly smaller than the inside diameter of the cylinder in which the material is to be compacted.

2,295,530
CATHODE RAY DEVICE
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 22, 1940, Serial No. 325,345
13 Claims. (Cl. 178—7.5)

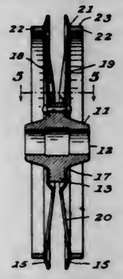


1. In a cathode ray device, a cathode, an anode member having an apertured diaphragm therein, means for focussing a beam of electrons from said cathode on the aperture in said diphragm, a pair of modulating plates placed on opposite sides of the beam, means for applying modulating signals balanced with respect to a point of fixed potential to said pair of modulating plates to move the beam with respect to said aperture, and means separate from said first signal applying means for applying modulating signals which are unbalanced with respect to a point of fixed potential to said focussing means for varying the intensity of said beam and the focus thereof with respect to said aperture.

2,295,531
IDLER WHEEL FOR CRAWLER TRACTORS
James G. Heaslet, Hudson, Ohio, assignor to The Cleveland Tractor Company, Cleveland, Ohio
Application April 5, 1940, Serial No. 328,141
2 Claims. (Cl. 74—230.8)

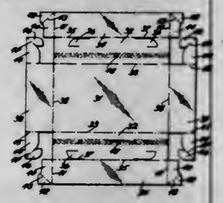
1. An idler wheel for carrying the endless track chains of crawler type tractors comprising a hub

member having an annular flange thereon, a pair of wheel discs secured to the opposite faces of said flange, the said wheel discs having the portions thereof adjacent their outer peripheries



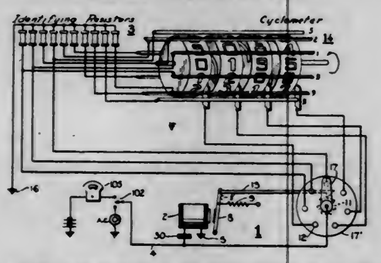
flared inwardly toward one another and a laterally extending rigid ring secured to the outer peripheries of each of said discs adjacent the point of inward flare.

2,295,532
FOLDING BOX
Meade Hyndman and Ralph F. Smart, St. Louis, Mo., assignors to said Hyndman
Application July 3, 1940, Serial No. 343,680
3 Claims. (Cl. 229—32)



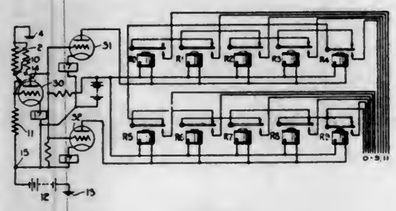
1. In a folding box having a bottom, side walls hinged to said bottom and including inner and outer plies of material adjacently disposed and attached together along their upper margins, resilient tongues integral with said outer plies, hinge tabs connecting said inner plies and said end walls and being unattached directly to said outer plies, and hinge tabs integral with said end walls and attached to said resilient tongues and being otherwise unattached to said outer plies.

2,295,533
METER READING APPARATUS
Ward Leathers, Brooklyn, N. Y., assignor, by mesne assignments, to International Business Machines Corporation
Application August 2, 1940, Serial No. 349,980
2 Claims. (Cl. 177—351)



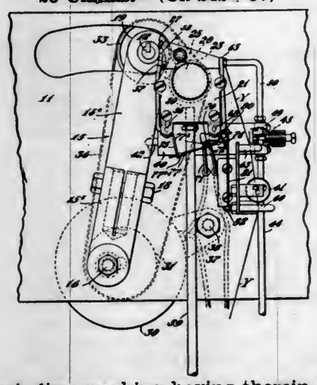
2. In an apparatus for indicating at a remote point the relative position of a movable member, a plurality of resistances the values of which are correlated with different positions capable of being assumed by said member, an electrical circuit including a wire to which current impulses are adapted to be applied and a source of ground, an indicator in said circuit, a switch for sequentially connecting said resistances in the circuit, a solenoid including a coil, said solenoid being responsive to application of alternating current impulses for its operation, means connecting one end of said coil to said wire including a blocking condenser, the other end of said coil being grounded, means connecting the solenoid and switch for actuating the latter upon energization of the former, one end of each resistance being connected to ground, an alternating current source having a grounded terminal and a direct current source also having a grounded terminal, and a switch for connecting said current sources selectively to said wire.

2,295,534
AUTOMATIC METER-READING APPARATUS
Ward Leathers, Brooklyn, N. Y., assignor, by mesne assignments, to International Business Machines Corporation
Application August 2, 1940, Serial No. 349,981
1 Claim. (Cl. 177—353)



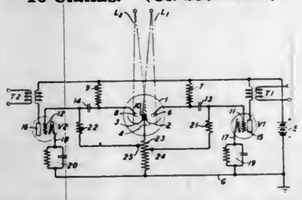
In an apparatus for discriminating against the transmission of voltage impulses of certain amplitudes in favor of the transmission of voltage impulses of slightly higher and lower amplitudes, a plurality of normally open circuits, a circuit closing device for each circuit, said devices being sequentially arranged in series and each normally maintaining its respective circuit open and operable upon actuation thereof to close the same and open the circuit controlled by the device immediately preceeding it in the series, a solenoid for actuating each device, said solenoids being arranged in two groups, the solenoids of each group requiring current of progressively increasing strength for their operative energization, an electronic circuit including a multi-element current regulating vacuum tube for each group of solenoids, the solenoids of each group being connected in the plate-cathode or output circuit of its respective tube, an amplifying tube having an input circuit and an output circuit connected in parallel to the grid-cathode or input circuit of said other tubes, means including a single current source for applying a direct current potential to the plates of all of said tubes, means for selectively applying current of varying voltage to the input circuit of the amplifying tube, and means including a single current source for negatively biasing the grids of all of said tubes and for biasing one of said current regulating tubes so that the latter will respond to a different range of voltage application from the other current regulating tube.

2,295,535
WINDING MACHINE
Edward J. Abbott, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application March 9, 1940, Serial No. 323,203
23 Claims. (Cl. 242—37)



1. A winding machine having therein a winding package holder and a yarn traversing device, motor means for controlling the relative positions of the package holder and traversing device with respect to each other in a direction transverse of the length of the winding package as the winding package grows in diameter and a detector responsive to the position of the surface of the winding package, said detector controlling said motor means.

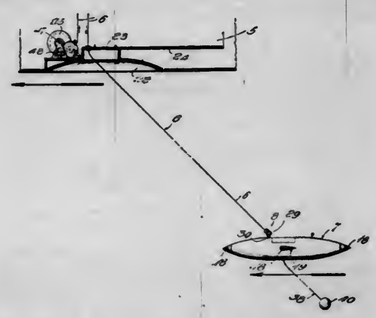
2,295,536
LIGHT SENSITIVE CIRCUIT
Walter J. Albersheim, Great Neck, N. Y., assignor to Western Electric Company, Incorporated, a corporation of New York
Application October 8, 1941, Serial No. 414,083
16 Claims. (Cl. 250—41.5)



13. In a light sensitive circuit including a photoelectric cell having dual anodes and a cathode common to said anodes, together with an amplifying tube individual to each of said anodes, the the method of compensating crosstalk between the two anode-cathode paths of said photoelectric cell which comprises introducing into the grid circuit of each of said amplifying tubes a controlled voltage derived from the currents generated in said photoelectric cell opposite in phase but corresponding in magnitude to the crosstalk voltage normally present in said grid circuit.

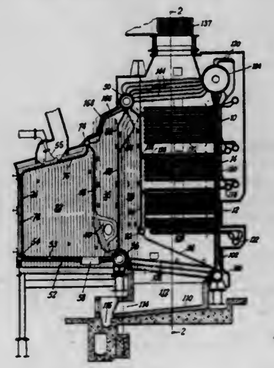
2,295,537
METHOD AND APPARATUS FOR PICKUP AND DELIVERY BY AIRCRAFT IN FLIGHT
Verne R. Anderson, Tucson, Ariz., assignor of one-third to William H. Woodin, Jr., Tucson, Ariz.
Application May 29, 1940, Serial No. 337,922
6 Claims. (Cl. 244—137)

1. Apparatus for unloading and loading aircraft comprising in combination with an aircraft, a load carrier, a cable connected with said load carrier and means for freeing and retrieving said cable operable to lower or raise the load carrier with respect to the aircraft, a frangible connector, a friction shoe pendently supported by said frangible connector, and a connection be-



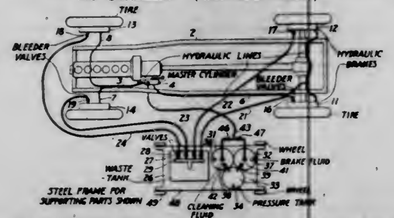
tween said load carrier and said frangible connector, said friction shoe being adapted to establish frictional engagement with the unloading and loading zone at a predetermined limited distance below said load carrier while said load carrier remains pendently supported from the aircraft.

2,295,538
STEAM GENERATOR
Ervin G. Bailey, Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application March 13, 1940, Serial No. 323,710
10 Claims. (Cl. 122—477)



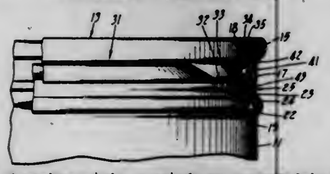
1. In a steam generator, a furnace, steam generating tubes exposed to heat from the furnace, means forming a furnace gas outlet for the generator, means defining two parallel gas passes between the furnace and the gas outlet, an inlet economizer section extending across both passes, a superheater in one pass, means whereby steam from said tubes passes to the superheater, a second economizer section in the other pass, means connecting the economizer sections to the generator for water flow thereto, damper means to effect distribution of gas flow between the two passes, the second economizer section having an upflow of water and an upflow of heating gas thereover.

2,295,539
APPARATUS FOR SERVICING HYDRAULIC BRAKES
Alexander Beach, Rochester, N. Y., assignor to Puritan Company, Rochester, N. Y., a corporation of New York
Application April 11, 1940, Serial No. 329,043
12 Claims. (Cl. 188—152)



1. Apparatus adaptable for the simultaneous servicing of all of a plurality of wheel cylinders and lines leading thereto, of an automotive hydraulic braking system having at least four of said wheel cylinders connected by said lines to a master cylinder, which comprises in cooperative relationship tanks, conduits, a receptacle and a flexible conduit having a fitting adapted to be attached to said master cylinder, a conduit leading to a tank adapted to contain cleaning liquid under pressure, and to a second tank adapted to contain hydraulic fluid under pressure, a third tank for supplying pressure to the aforementioned tanks associated therewith, valves positioned in said conduit so that the flow of either liquid into the conduit may be controlled, said tanks aforementioned being associated in a compact manner with said receptacle for receiving discharge from said wheel cylinders, the apparatus being characterized in that that said receptacle has four flexible conduits communicatively connected thereto and adapted to be affixed to each of said wheel cylinders, said flexible conduits including valve means whereby the flow of said discharge from any wheel cylinder to the receptacle may be controlled.

2,295,540
CONTAINER
Thomas Begg, Nutley, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 19, 1940, Serial No. 341,371
3 Claims. (Cl. 220—54)



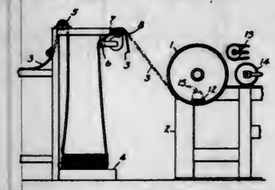
1. A tearing strip container, comprising a can body having an inwardly projecting bead forming a recess in the body and also having score lines setting off a tearing strip which upon removal opens the container, an end closure member secured to said body in a seamed joint, and a collar band located inside of said can body and having an inwardly projecting bead which fits over the bead of said body, one of said score lines being disposed in the bead in the body and located within the recess so that the raw edge produced by removal of the tearing strip is shielded within the inwardly projecting bead of the collar to prevent cutting hazards to the hand of the user of the can.

2,295,541
APPARATUS FOR FORMING FABRIC BANDS
Walter J. Breth, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 6, 1938, Serial No. 217,708
9 Claims. (Cl. 154—10)



9. A machine for building base bands for use in making cord tire casings comprising a rotatable band measuring and building drum, means at one side of the drum for supporting and guiding a strip of fabric to the drum, driving means for the drum, means for disconnecting the driving means to permit manual operation of the drum, means at the opposite side of the drum for feeding squeegee stock to the drum including a roller mounted for movement toward and away from the drum, manually operable means for shifting said roller, a pressure applying roller beneath said stock feeding roller mounted for movement into and out of engagement with the drum, and means for shifting said pressure applying roller and for pressing the same against the drum.

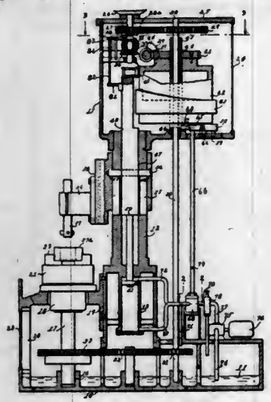
2,295,542
BAND BUILDING DRUM
Walter J. Breth, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application July 6, 1938, Serial No. 217,708. Divided and this application June 26, 1941, Serial No. 399,791
2 Claims. (Cl. 33—129)



1. In a band building machine, a band measuring and building drum for use in forming tire base bands of various circumferences materially in excess of the drum circumference, said drum having a circumferentially extending measuring scale on the periphery thereof and being mounted to rotate freely in either direction, and a weight attached to the drum eccentrically thereof which imparts a turning movement to the drum upon release of the drum to return said scale to a predetermined starting position.

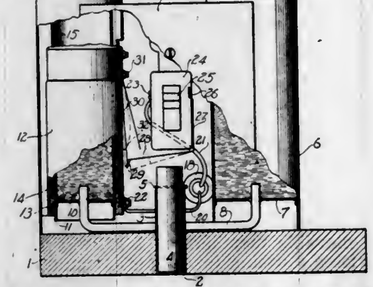
2,295,543
HYDRAULIC MACHINE TOOL MECHANISM
Edward P. Bullard, III, Fairfield, Conn., assignor to The Bullard Company, a corporation of Connecticut
Application February 16, 1939, Serial No. 256,757
13 Claims. (Cl. 77—4)

1. In a machine tool, a rotatable work spindle, means for rotating said spindle, a column, a plunger, reciprocably mounted within said column, a tool carrier reciprocably mounted on the outside of said column, means connecting the plunger to the carrier, said means including oppositely disposed longitudinal slots in said column, a pin reciprocably mounted in said longitudinal slots and secured to said tool carrier and said plunger, hydraulic means for moving the plunger and carrier relative to work on the



spindle comprising a cylinder aligned with said plunger, a piston therein operatively connected with said plunger, and fluid pressure means including a control valve to change the flow of fluid to opposite sides of the piston.

2,295,544
STEAMING DEVICE
Ivan C. Child, Joliet, Ill.
Application December 7, 1940, Serial No. 368,988
1 Claim. (Cl. 200—138)

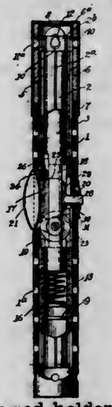


In a steaming device including a casing carrying a heating element and defining a reservoir for water, a first springy switch arm having one end secured to said casing and having its other end free and normally spaced from said casing, abutment means on the free end of said arm, a support, a second springy switch arm disposed substantially normal to said first arm, said second arm having one end secured to said support and having its free end normally seated on said abutment means when in circuit-closing relation to said first arm, and a bimetallic arm having one end secured to said casing and having its other end free and normally spaced from said casing, the free end of said bimetallic arm being movable under the influence of heat to engage the free end of said first arm for movement thereof towards said casing to release the free end of said second arm for movement to circuit-opening position.

2,295,545
TREATMENT OF METAL
Wilfred James Clifford and Henry Heward Adams, Brentford, England, assignors to Parker Rust Proof Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 2, 1939, Serial No. 254,238. In Great Britain February 4, 1938
4 Claims. (Cl. 148—6.5)

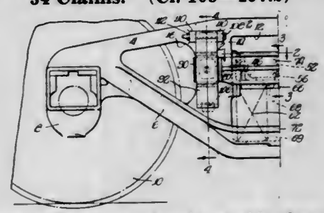
1. A process for improving the resistance of ferrous metals to corrosion, which comprises treating a ferrous metal with a phosphate coating solution in which the coating action is accelerated by the presence of a minor amount of an organic accelerating compound containing a non-ionic nitro group.

2,295,546
WELDING ROD HOLDER
George A. Combridge, Los Angeles, Calif.
Application January 10, 1941, Serial No. 373,888
8 Claims. (Cl. 219—8)



3. In a welding rod holder, a handle, an electrode, means for detachably clamping a welding rod in the electrode, the handle having a transverse slot, a plunger slidable transversely of the handle in said slot, an operating connection between the plunger and the clamping means, a spring tending to slide the plunger outwardly for shifting the clamping means to clamping position, and a finger-piece at the outer end of the plunger for sliding it inwardly for shifting the clamping means to releasing position.

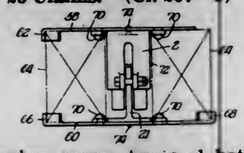
2,295,547
STABILIZING DEVICE
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 25, 1940, Serial No. 347,453
34 Claims. (Cl. 105—197.2)



4. In a railway car truck, a side frame hav-

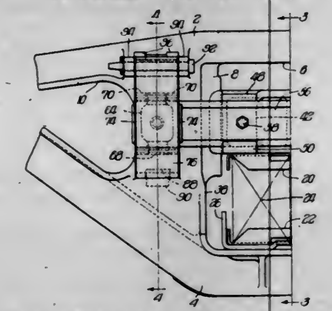
ing spaced columns and an intervening bolster opening, a bolster projecting into said opening, an interlocking member associated with said bolster and said frame and comprising a vertical web with end portions extending outboard said columns, spaced friction surfaces supported on each of said columns around the adjacent end portion, friction shoes interposed between each end portion and the adjacent friction surfaces, and resilient means under compression between said end portions and the adjacent shoes.

2,295,548
SPRING CONTROL UNIT
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 18, 1940, Serial No. 370,628
23 Claims. (Cl. 267—9)



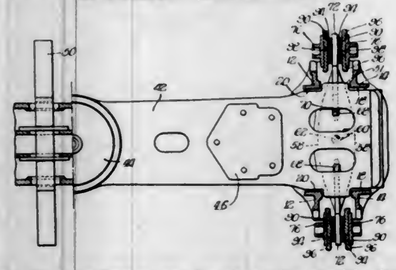
1. In a spring group, top and bottom spring plates, coil springs interposed therebetween, and an associated friction absorbing device comprising a top follower secured to one of said plates and a bottom follower secured to the other thereof, one of said followers comprising spaced parallel vertical friction walls and the other of said followers having a vertical wall interposed between said friction walls and forming a shoe carrier, friction shoes mounted on opposite sides of said carrier in engagement with said friction walls respectively, a rubber pad under compression between said carrier and each of said shoes, and engaging means on said carrier and said shoes to limit relative vertical movement therebetween.

2,295,549
CAR TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 20, 1940, Serial No. 370,912
19 Claims. (Cl. 105—197)



12. In a railway car truck, a side frame having top and bottom members and spaced columns defining a bolster opening, a spring plank, a spring group on said plank in said opening, a bolster end supported on said spring group, friction means mounted outboard each of said columns, and an actuating bar fixed on the end of said bolster with end portions engaging said friction means for actuation thereof.

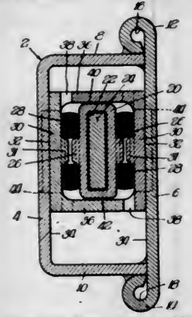
2,295,550
QUICK WHEEL CHANGE TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 21, 1940, Serial No. 371,097
28 Claims. (Cl. 105—197)



22. In a railway car truck, a truss side frame having columns partly defining windows therein, aligned openings in said columns, friction developing means removably mounted on said frame adjacent each of said columns, a bolster end in one of said windows and means mounted on said end and extending through said openings for actuation of said friction developing means

---

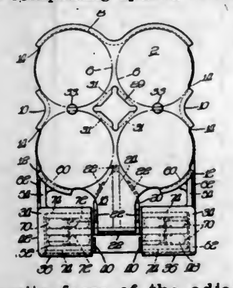
2,295,551
RIDE CONTROL UNIT
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 23, 1940, Serial No. 371,283
21 Claims. (Cl. 188—129)



1. A control unit for connection between relatively movable members of a railway car truck comprising a casing for support from one of said members, and actuating means for connection to the other of said members, said casing having spaced internal friction faces, a shoe carrier, friction shoes supported on said carrier in engagement with said friction faces at opposite sides of said casing, each shoe having vertical guide flanges maintaining said shoe in squared relationship with said casing, resilient pads under compression between said carrier and the respective shoes, and a connection between said carrier and said actuating means.

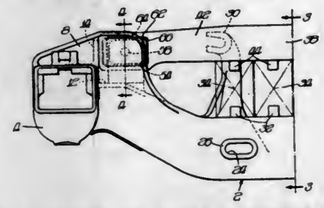
2,295,552
RIDE CONTROL UNIT
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 24, 1941, Serial No. 375,737
19 Claims. (Cl. 267—9)

1. In a control unit, top and bottom spring plates, a plurality of coil springs confined therebetween, a control bar secured to said top plate, friction housings positioned on said bottom plate, friction means operable within each of said housings by said control bar, each of said friction means comprising spaced friction shoes en-



gaging opposite faces of the adjacent housing, resilient means under compression between said control bar and each friction shoe, and alternately arranged lugs on said shoes affording positioning means therefor and preventing relative sliding movement with respect to each other.

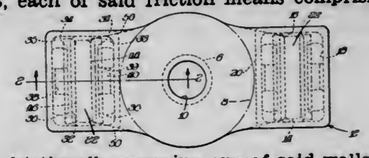
2,295,553
TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 8, 1941, Serial No. 377,975
23 Claims. (Cl. 105—197)



9. In a railway car truck, spaced side frames a beam type having elevated end portions and integral journal boxes, inboard and outboard flanges on said frames defining pockets adjacent said boxes, a bolster resiliently supported on said frames adjacent the transverse center line of the truck and having beam end portions in longitudinal alignment with said side frames, said portions having their ends received in said respective pockets, and friction means associated with the ends of said portions and the side walls of said pockets, said means comprising friction elements supported respectively from said side walls and said beam end portions, and resilient means between certain of said elements and the supporting members.

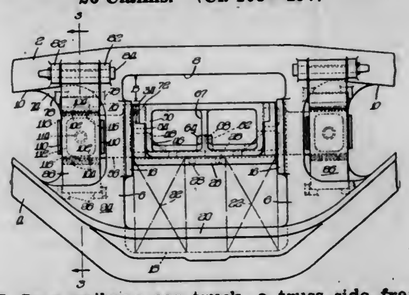
2,295,554
SNUBBER
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 21, 1941, Serial No. 379,942
3 Claims. (Cl. 267—9)

1. In a spring group, top and bottom spring plates, a compression spring therebetween, one of said plates having at each end thereof spaced walls and the other of said plates having at each end thereof a wall intervening between the adjacent spaced walls, friction means interposed between each intervening wall and the adjacent walls, each of said friction means comprising a



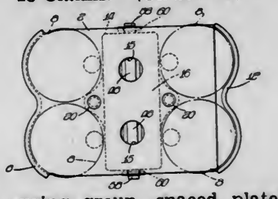
shoe frictionally engaging one of said walls, and a resilient member associated therewith.

2,295,555
TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 13, 1941, Serial No. 383,065
26 Claims. (Cl. 105—197)



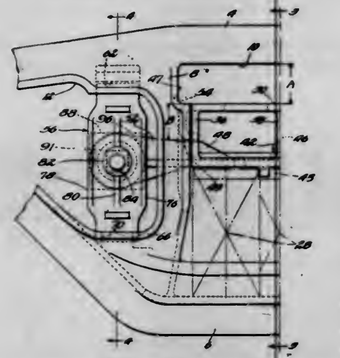
7. In a railway car truck, a truss side frame comprising a bolster opening, a spring group on said frame in said opening, a bolster end supported by said group, actuators fixed to said end, friction devices mounted on said frame, each comprising spaced friction plates, friction shoes in engagement therewith, and resilient members engaged with respective shoes and clamping therebetween the associated actuator.

2,295,556
SPRING GROUP
John E. Flesch, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 15, 1941, Serial No. 383,537
13 Claims. (Cl. 267—9)



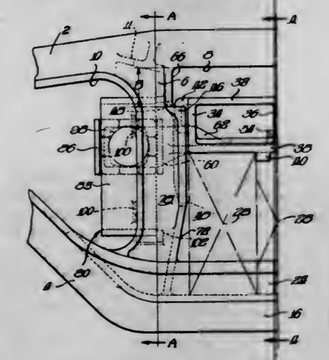
1. In a spring group, spaced plates, a coil spring supported between said plates at each end of said group, and a friction absorbing device interposed between said coil springs with followers secured respectively to said plates, one of said followers having an integral friction panel supporting friction surfaces and the other of said followers having integral means supporting friction shoes in engagement with each of said surfaces, resilient pads interposed between said shoes respectively and said supporting means, and aligned positioning means on said shoes and said support means for said pads.

2,295,557
QUICK WHEEL CHANGE TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 8, 1941, Serial No. 401,446
23 Claims. (Cl. 105—197)



11. In a railway car truck, a side frame comprising spaced columns partly defining a bolster opening and windows at opposite sides thereof, aligned openings through said columns, resilient means on said frame in said opening, a bolster end received within said bolster opening and supported by said means, a member engaged with said end and comprising arms extending through the openings in said columns, an end portion on each arm and comprising an opening therethrough, friction plates supported from said frame at opposite sides of each end portion, friction shoes supported from each end portion in engagement with respective plates, and coil springs supported by said portion at opposite sides thereof, each of said springs being under compression between said portion and the associated shoe.

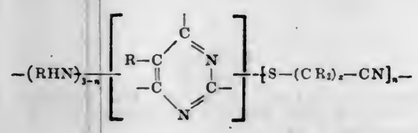
2,295,558
CAR TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 29, 1941, Serial No. 416,956
19 Claims. (Cl. 105—197)



6. In a railway car truck, a side frame comprising spaced columns and an intervening bolster opening, inboard and outboard friction surfaces mounted on said frame, friction shoes in engagement with respective surfaces, a carrier between said shoes and interlocked therewith, resilient means between said carrier and each shoe, a spring group on said frame in said opening, a bolster supported on said group, and a member interlocked with said bolster and engaged with said carrier.

2,295,559
PYRIMIDYL CYANOALKYL SULPHIDES
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application May 27, 1941, Serial No. 395,425
11 Claims. (Cl. 260—251)

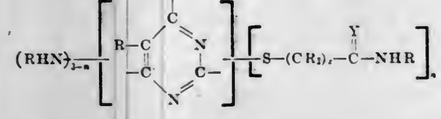
1. Chemical compounds corresponding to the general formula



where n is an integer and is at least 1 and not more than 3, x is an integer and is at least 1 and not more than 2, and R is a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals.

2,295,560
PYRIMIDINE DERIVATIVES
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application June 18, 1941, Serial No. 398,639
12 Claims. (Cl. 260—251)

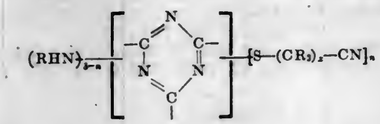
1. Chemical compounds corresponding to the general formula



where n is an integer and is at least 1 and not more than 3, x is an integer and is at least 1 and not more than 2, R is a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals, and Y is a member of the class consisting of oxygen and sulfur.

2,295,561
TRIAZINYL CYANOALKYL SULPHIDES
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application June 27, 1941, Serial No. 400,150
11 Claims. (Cl. 260—248)

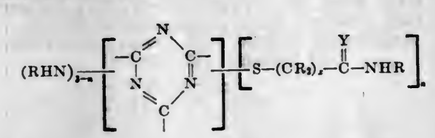
1. Chemical compounds corresponding to the general formula



where n is an integer and is at least 1 and not more than 3, x is an integer and is at least 1 and not more than 2, and R is a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals.

2,295,562
TRIAZINE DERIVATIVES
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application June 27, 1941, Serial No. 400,151
12 Claims. (Cl. 260—248)

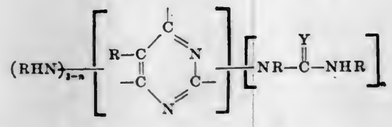
1. Chemical compounds corresponding to the general formula



where n is an integer and is at least 1 and not more than 3, x is an integer and is at least 1 and not more than 2, R is a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals, and Y is a member of the class consisting of oxygen and sulfur.

2,295,563
DIAZINE DERIVATIVES
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application July 30, 1941, Serial No. 404,663
14 Claims. (Cl. 260—251)

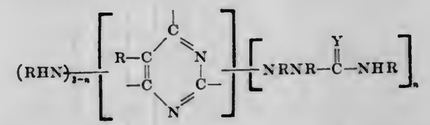
1. Chemical compounds corresponding to the general formula



where n is an integer and is at least 1 and not more than 3, R is a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals, and Y is a member of the class consisting of oxygen and sulfur.

2,295,564
DIAZINE DERIVATIVES
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application August 30, 1941, Serial No. 409,025
14 Claims. (Cl. 260—251)

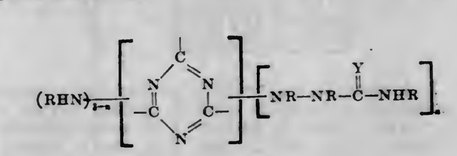
1. Chemical compounds corresponding to the general formula



where n is an integer and is at least 1 and not more than 3, R is a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals, and Y is a member of the class consisting of oxygen and sulfur.

2,295,565
TRIAZINE DERIVATIVES
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application August 30, 1941, Serial No. 409,026
14 Claims. (Cl. 260—248)

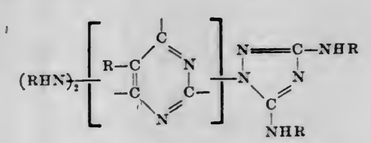
1. Chemical compounds corresponding to the general formula



where n is an integer and is at least 1 and not more than 3, R is a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals, and Y is a member of the class consisting of oxygen and sulfur.

2,295,566
DIAZINE DERIVATIVES
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application September 27, 1941, Serial No. 412,693
13 Claims. (Cl. 260—251)

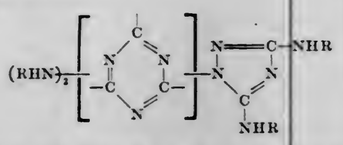
1. Chemical compounds corresponding to the general formula



where R is a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals.

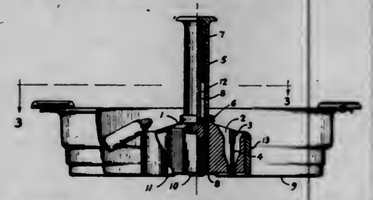
2,295,567
TRIAZINE DERIVATIVES
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application September 30, 1941, Serial No. 413,007
12 Claims. (Cl. 260—248)

1. Chemical compounds corresponding to the general formula



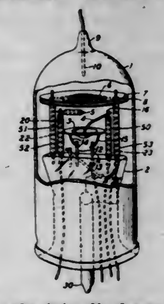
where R is a member of the class consisting of hydrogen and monovalent hydrocarbon and halohydrocarbon radicals.

2,295,568
CIGARETTE EXTINGUISHER AND ASH TRAY
Manuel de la Torre, Houston, Tex.
Application April 19, 1940, Serial No. 331,365
7 Claims. (Cl. 131—235)



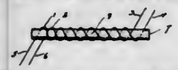
1. A cigarette extinguisher comprising a waste receptacle, a movable receiver therein having a bore with a reduced portion at its lower end and obliquely flared at its upper end, and a headed pin to operate vertically into the bore to successively release extinguished stubs inserted in said bore through its upper end and to draw off ashes forced in the bore through its lower end.

2,295,569
GASEOUS ELECTRON DISCHARGE DEVICE
Wallace A. Depp, Elmhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 27, 1941, Serial No. 420,620
5 Claims. (Cl. 250—27.5)



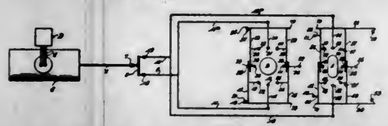
1. A gaseous electric discharge device comprising an enclosing envelope, a cathode and an anode forming a main gap disposed in said vessel, a screen electrode extending across said gap, a control electrode adjacent said cathode, and an auxiliary anode separated from said main anode by said screen electrode.

2,295,570
HUMIDITY MEASURING
Francis W. Dunmore, Washington, D. C., assignor to the Government of the United States, as represented by the Secretary of Commerce
Application December 22, 1938, Serial No. 247,243
11 Claims. (Cl. 201—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



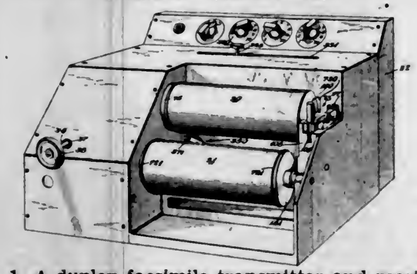
1. A humidity responsive device comprising an insulating member, at least two bare wire conductors having a multiplicity of turns juxtaposed to the surface of said member in bifilar arrangement, and a thin exposed hygroscopic film carried by the surface of said member and the exposed surface of said conductors and in electrical contact with the said conductors, the resistance of which varies substantially continuously in response to changes of relative humidity of the atmosphere with which it is in contact.

2,295,571
METHOD AND APPARATUS FOR EXTINGUISHING FIRES
Harry Ensminger, Evanston, and Charles A. Getz, Glen Ellyn, Ill., assignors to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application July 26, 1940, Serial No. 347,808
15 Claims. (Cl. 169—4)



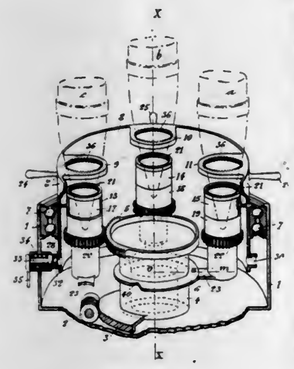
11. In the art of extinguishing fires involving masses of inflammable materials, the method step which comprises delivering carbon dioxide away from the main combustion zone of the fire and in a counter-current direction along paths through which air would normally travel to reach and deliver its oxygen to said main combustion zone, thereby to reduce the supply of oxygen to the fire.

2,295,572
DUPLEX FACSIMILE TRANSCEIVER
William G. H. Finch, Newtown, Conn.
Application February 10, 1940, Serial No. 318,230
8 Claims. (Cl. 178—13)



1. A duplex facsimile transmitter and receiver unit comprising a transmitting drum, a recording drum, scanning means individual to each of said drums, said means comprising a photosensitive scanning member operably connected to said transmitting drum and driven in synchronism therewith, and a recording element operably connected to said recording drum and driven in synchronism therewith, means including a single source of power for driving said transmitting drum at a predetermined speed and for driving said recording drum at a predetermined speed different than the speed of said transmitting drum said drums being operable simultaneously, the transmitting drum rotating continuously and the recording drum rotating intermittently.

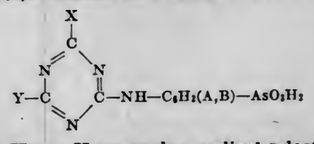
2,295,573
FUSE SETTING APPARATUS FOR ARTILLERY PROJECTILES
Georges Marie Telesphore Alexandre Fontaine, Paris, France, assignor to Schneider & Cie, Paris, France, a joint-stock company of France
Application May 24, 1939, Serial No. 275,565
In France June 16, 1938
11 Claims. (Cl. 86—23)



6. In an apparatus for automatically and progressively setting the fuses of a succession of projectiles, the combination of a fixed base element, a carrier member rotatably supported by said base element and having a plurality of compartments equally spaced circumferentially of said carrier member and adapted to receive the projectiles whose fuses are to be set, said carrier member being rotatable relatively to said base element to bring each of said compartments successively into a projectile receiving position and a projectile removal position, both of which positions are fixed with respect to said base element, setting means associated with each of said compartments for effecting relative movement between the fixed and adjustable elements of the fuse of a projectile present in said compartment, including relatively rotatable members operatively engaged with said fixed and adjustable elements throughout the time when the projectile is present in said compartment, and means operative during movement of each of said compartments through a limited portion only of the path between said projectile receiving and removal positions for actuating the setting means associated therewith, said actuating means including means for varying the length of said portion.

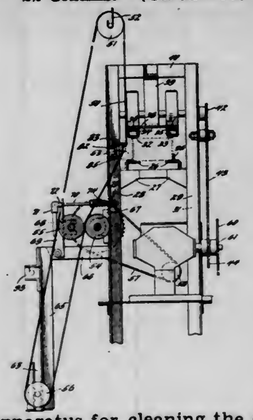
2,295,574
SUBSTITUTED [1,3,5 - TRIAZINYL - (6)]-AMINOPHENYL-ARSONIC ACIDS AND PROCESS FOR MANUFACTURE OF SAME
Ernst Albert Hermann Friedheim, Geneva, Switzerland
No Drawing. Application December 20, 1939, Serial No. 310,232. In Switzerland December 23, 1938
15 Claims. (Cl. 260—242)

1. A 1,3,5-triazine derivative of the formula



wherein X and Y are each a radical selected from the group consisting of halogen, $—NH_2$, —NH lower Alk., —N Alk.$_2$, hydroxy-alkyl-amino, $—NHCH_2CHOHCH_2OH$, dialkyl - amino - alkyl-amino radicals, and A and B are selected from the group consisting of hydrogen, halogen, —OH, —O Alk., $—NO_2$, $—NH_2$, —NH Alk., —N Alk.$_2$ and alkyl radicals.

2,295,575
APPARATUS FOR CLEANING THE ENDS OF CONTAINERS
Willie I. Gladfelter, Philadelphia, Pa., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application December 11, 1939, Serial No. 308,722
22 Claims. (Cl. 91—59)

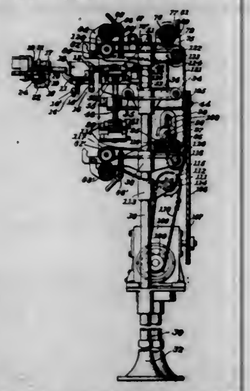


1. An apparatus for cleaning the end surfaces of elongated articles of manufacture comprising a conveyor for the articles, means for supporting the article in non-upright position as they are moved along the conveyor, cleaning means adjacent the path of movement of the articles having a surface positioned to contact the end surfaces of the articles, and means for shifting the cleaning means to present substantially fresh surfaces to successive articles.

2,295,576
CLEANING APPARATUS
Willie I. Gladfelter, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application April 9, 1941, Serial No. 387,757
17 Claims. (Cl. 91—59)

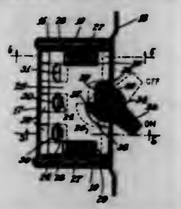
1. An apparatus for wiping the ends of articles

such as containers comprising means for moving the articles along a predetermined path, a wiping apron disposed along one side of said path facing the ends of the containers to be wiped, means on the opposite side of the apron from



the containers mounted for movement with the containers along a path parallel therewith, and means for projecting the last-mentioned means toward the apron and the containers to move the apron into wiping relation to the ends of the containers as they move along said path.

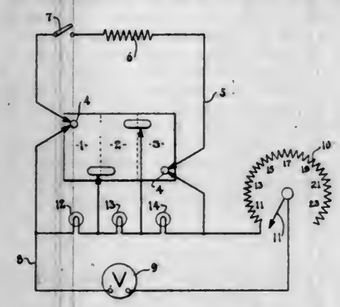
2,295,577
ELECTRIC SWITCH
Herman J. Hammerly, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application November 29, 1940, Serial No. 367,694
7 Claims. (Cl. 200—165)



1. An electric switch construction including an insulating body having a central slot and a rear recess, spaced stationary contacts extending from the front of the body to the rear recess thereof, a slide guided in said slot and having a transverse slot at its rear, a movable switch contact loosely carried in the latter slot of said slide and adapted to be moved into and out of engagement with said stationary contacts and a spring member supported by said slide in its transverse slot in continuous engagement with said movable switch contact to align and press yieldingly said movable contact against the stationary contacts.

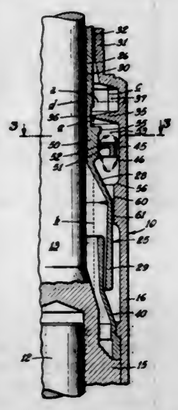
2,295,578
BATTERY TESTER
Benjamin F. W. Heyer, Tenafly, N. J., assignor, by mesne assignments, to Atlas Supply Company, Newark, N. J., a corporation of Delaware
Application May 3, 1937, Serial No. 140,480
3 Claims. (Cl. 175—183)

1. In a storage battery tester, the combination with the cell or cells to be tested of an ampere circuit connected with the terminals thereof, a fixed resistance in the ampere circuit, a voltage



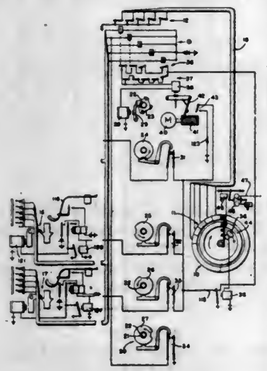
circuit connected across said terminals, a volt meter in the latter circuit and an adjustable rheostat associated with said volt meter.

2,295,579
LIQUID SEAL
Aladar Hollander, Vaino A. Hoover, and Charles H. Nazro, Los Angeles, Calif., assignors to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application July 30, 1940, Serial No. 348,458
15 Claims. (Cl. 286—9)



1. A seal for sealing the juncture of a rotatable member and a stationary member, comprising: cup means secured to said rotatable member to rotate therewith and providing therewith an annular receptacle for sealing liquid; a baffle secured to said stationary member and extending downwardly around said rotatable member and into said sealing liquid, said baffle dividing said receptacle into inner and outer compartments separated from each other at their upper ends and communicating with each other below the lower edge of said baffle; said cup means having a wall extending inwardly into close proximity to said baffle adjacent the upper end of said cup means and providing above said wall a chamber communicating with said outer compartment at the inner periphery of said wall; and means forming a passageway extending through said wall and connecting the outer portion of said chamber with said outer compartment.

2,295,580
DIVIDED MULTIPLEX CHANNEL SYSTEM
David S. Hulfish, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application September 23, 1939, Serial No. 296,181
11 Claims. (Cl. 178—52)



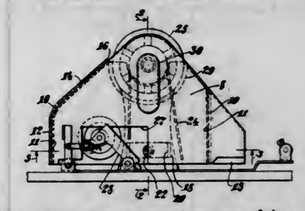
1. In a synchronous multiplex system, a multiplex channel, a plurality of transmitters, a like plurality of receivers, means to connect to said multiplex channel said plurality of transmitters one by one in invariable rotational order and said plurality of respectively associated receivers in similar invariable rotational order, means to store in each said transmitter independently of others of said transmitters a variable quantity of code signal indicia, and means to maintain any transmitter in connection with said channel for a period of time which is variable under control of the quantity of said stored signal indicia.

2,295,581
ANIMAL TETHER
John B. Hyde, Brightwaters, N. Y.
Application September 29, 1938, Serial No. 232,329
5 Claims. (Cl. 119—117)



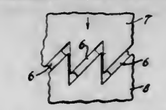
1. A tether comprising stake means; means mounted on said stake means for rotation substantially horizontally; carriage means mounted on said horizontally rotatable means, said carriage means being pivoted for oscillation substantially vertically; counterweight means at one end of said carriage means; stop means adjacent the other end of said carriage means to limit downward movement of said other end of the carriage means; substantially rectilinear hollow flexible resilient rod means carried at one end by said carriage means and extending outwardly therefrom a distance considerable as compared with the length of said counterweight means; and a leash secured at one of its ends adjacent said carriage means and having its length extending through the hollow of said rod means and beyond the free tip-end thereof to define the radial extent of a circular area of tethering confinement.

2,295,582
BELT GUARD FOR SEWING MACHINES
Max Ingwer, Forest Hills, N. Y., assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y., a corporation of New York
Application October 28, 1940, Serial No. 363,127
1 Claim. (Cl. 112—261)



A belt guard for a sewing machine having a substantially horizontally extending reference groove across the end of the same and a screw seat in said reference groove, said belt guard comprising an upright fixed back wall to fit against and be supported on the end of the machine beneath the hand wheel of the machine, a substantially horizontally extending protrusion on said back wall to fit into the reference groove of the machine and perforated for passage of a securing screw into said screw seat, said back wall having substantially parallel and upright front and rear edges with substantially vertical guide flanges thereon and a removable cover section having an outer wall, substantially parallel with the back wall, a top wall engageable over the upper edge of the back wall, a front wall engageable over the forward edge of the back wall and an extension wall cooperable with the rear edge of the back wall to form a separable rearward continuation of said fixed back wall, said front wall and the forward edge of said extension wall having substantially vertical channels slidingly fitting over said substantially vertical guide flanges on the front and rear edges of said back wall and whereby said back wall may be secured in definitely positioned and firmly supported relation on the end of the machine and the cover wall may be thereafter mounted by a straight push down over the back wall and be removed by a straight upward pull, leaving the back wall still attached to the machine.

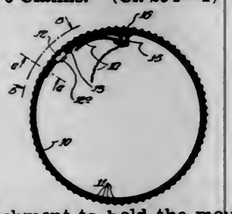
2,295,583
APPARATUS AND METHOD FOR PRODUCING LOCK WASHERS
Ernst Jordan, Hamburg, Germany; vested in the Alien Property Custodian
Application July 6, 1940, Serial No. 344,223
4 Claims. (Cl. 10—73)



4. A device for producing, from sheet like work material, a fan type lock washer having overlapping flaps of substantially uniform thickness, said device comprising a pair of substantially cylindrical dies adapted to be moved towards one another and having a plurality of annularly disposed corresponding inclined segment like plane operating faces interconnected by substantially radially disposed surfaces extending substantially at right angles to the work material, the annular extension of said inclined operating faces being larger than the distance between said second mention surfaces in a plane

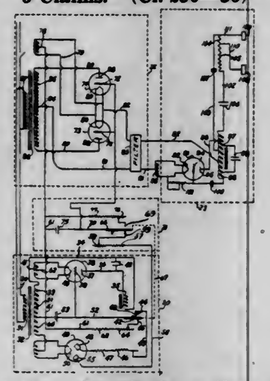
perpendicular to the the longitudinal axis of said dies and said inclined faces being wider than said flaps.

2,295,584
BAG ATTACHMENT
Charles Larson, Chicago, Ill.
Application December 19, 1940, Serial No. 370,908
6 Claims. (Cl. 294—1)



1. An attachment to hold the mouth of a bag open comprising a band placeable within such mouth, the exterior of the band being crowned in cross-section to impress the bag material retentively.

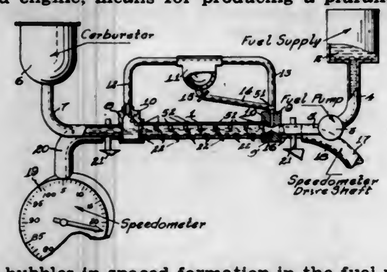
2,295,585
THERAPEUTIC CURRENT AND MEANS FOR PRODUCING THE SAME
Robert J. Lindquist, Los Angeles, Calif.
Application September 16, 1939, Serial No. 295,233
5 Claims. (Cl. 250—36)



1. In a system of producing a therapeutic current of the character described, the combination of: a power circuit; and means for controlling active and inactive periods in said power circuit, said means comprising a switch, and means for moving said switch between off and on positions comprising an electromagnet connected to said switch so as to actuate the same, a thermionic device having its filament and plate connected in series with said electromagnet, and blocking circuit means connected to the grid of said thermionic device, said blocking circuit means having cooperating controlling elements whereby a blocking potential is periodically applied to said grid to control the flow of current through said electromagnet.

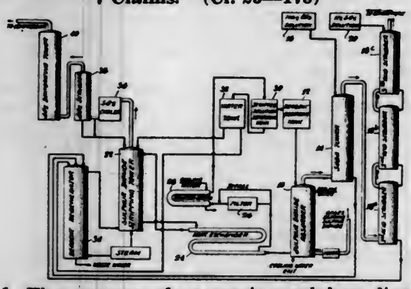
2,295,586
MEANS FOR TESTING THE EFFICIENCY OF INTERNAL COMBUSTION ENGINES
Percival F. Little, Arlington, Va.
Application May 9, 1940, Serial No. 334,230
11 Claims. (Cl. 73—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An instrument for testing the fuel consumption efficiency of an internal combustion engine comprising in combination a source of fuel supply, a transparent member connected in communication with said source of fuel supply and said engine, means for producing a plurality of



air bubbles in spaced formation in the fuel passing through said transparent member and a member having a helical thread of predetermined pitch placed alongside of said transparent member and operated by said engine.

2,295,587
RECOVERY OF SULPHUR DIOXIDE FROM GAS MIXTURES
Edward P. Fleming and T. Cleon Fitt, Salt Lake City, Utah, assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application November 25, 1939, Serial No. 306,052
7 Claims. (Cl. 23—178)

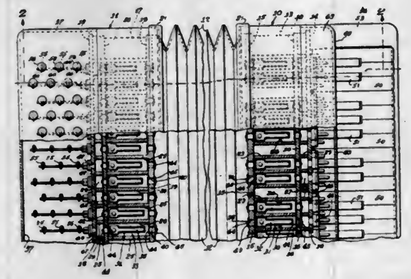


1. The process of recovering sulphur dioxide from gas mixtures which comprises intimately contacting such a gas mixture with an aromatic amine reagent to absorb the sulphur dioxide, impoverishing the sulphur dioxide-depleted gases with respect to reagent by passing them sequentially through solutions of soda and sulphuric acid, combining the reagent-enriched solutions, introducing steam therein in excess of that necessary to distill off the reagent, passing the excess steam and reagent vapors into the reagent pregnant with sulphur dioxide to release the latter, separating the resulting stripped solution into components comprising mainly water and reagent, and returning the latter to absorb further quantities of sulphur dioxide.

2,295,588
MUSICAL INSTRUMENT
Aldo Logli, Detroit, Mich.
Application April 14, 1941, Serial No. 388,352
4 Claims. (Cl. 84—376)

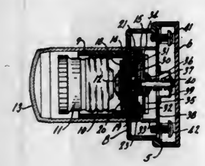
1. In an accordion, means defining a reed chamber, said chamber being sealed except for a pair of oppositely disposed openings formed adjacent an end portion of said means and another pair of oppositely disposed openings formed adjacent another end portion of said means,

means carried within said chamber between said pairs of openings for isolating from each other the two portions of said chamber residing on opposite sides of said second means, said second means being formed with an aperture intercommunicating said two chamber portions and carrying a reed member in alignment with said aperture and oscillatable responsive to air travel through the latter, means carried in alignment with each of the openings of one of said pairs



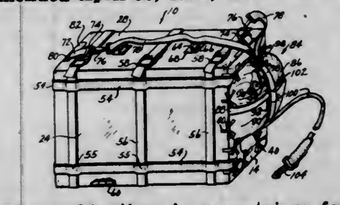
for restricting air travel therethrough to that entering said chamber, means carried in alignment with each of the openings of the other of said pairs for restricting air travel therethrough to that leaving said chamber, means defining a second chamber communicating with one of said first-named pair of openings and with one of said second-named pair of openings, and key-responsive valve means controlling communication between said second chamber and the atmosphere.

2,295,589
COMBINED FUSE AND SWITCH STRUCTURE
Homer E. Malone, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application January 8, 1941, Serial No. 373,564
13 Claims. (Cl. 200—114)



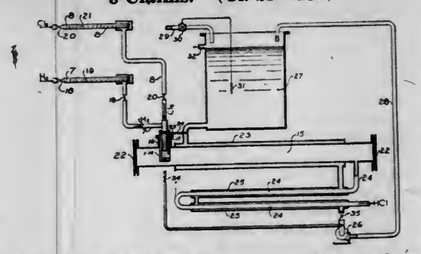
1. In a switch device, a housing including a supporting base, a fuse receptacle arranged at the front of said supporting base and a switching mechanism at the rear thereof, an operating nob enclosing said fuse receptacle to render it inaccessible and having a portion extending through said base into engagement with said switching mechanism, an insulating barrier projecting from said base and arranged between said fuse receptacle and said operating knob, said insulating barrier having a portion extending through said supporting base into said housing for supporting the switching mechanism therein, and cooperating means on the supporting base and the portion of the operating knob projecting through said supporting base for detachably securing said operating knob to said housing in operable relation with said switching mechanism.

2,295,590
EXTENSIBLE AERIAL DELIVERY CONTAINER
Frank G. Manson and James J. Maskey, Dayton, Ohio
Application October 16, 1941, Serial No. 415,264
6 Claims. (Cl. 244—137)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination, in a container for aerial delivery of cartons of varying sizes, a fabric cover in the form of a hollow prism with the back end open, a drawstring around said open end for closing said end around the end of the cartons, the front panel having parallel rows of ties extending lengthwise and crosswise of said panel, whereby folds may be tied in said panel to change the length or the width or both, the bottom panel of said cover being in two stitched-together layers with a stiffening plank between said layers, a rectangular metal frame lying between the top of the cartons and the top panel of the cover, parachute riser strips attached to the ends of the frame and extending upwardly through reinforced openings in said top panel, riser attaching stirrups in the ends of said strips, bomb rack bridges intermediate the strips joining opposite sides of the frame and extending through reinforced openings in the top panel, spaced-apart lengths of reinforcing webbing stitched horizontally to the side panels of the cover member leaving spaced-apart unstitched portions for adjusting strap loops, adjusting straps having buckles passing through said loops and around the cover, a parachute pack containing a canopy, said pack being fastened to the front panel, a static line extending from the top of the canopy within the pack, and risers extending from the bottom of the canopy to the said stirrups.

2,295,591
METHOD FOR PREVENTING CORROSION OF HYDROGEN CHLORIDE BURNERS AND COOLERS
Aylmer H. Maude, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York
Application February 29, 1940, Serial No. 321,600
8 Claims. (Cl. 23—156)



1. The method of protecting the surfaces of metallic burner tips in contact with hot chlorine and hot humid hydrogen chloride and the metallic combustion chambers in which the chlorine

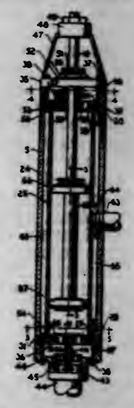
is burned with hydrogen, producing hydrogen chloride having a dew point not materially above 71° C., with cooling by means of water from a source at a temperature below said dew point, which comprises applying heat to the water to raise it to an initial temperature sufficiently above said dew point to avoid condensation of water in presence of the chloride of the metal, but well below its boiling point, and causing it to flow in effective cooling relation through the metal with said surfaces, at velocities everywhere precluding rise in temperature of the water to its boiling point.

2,295,592

DOUBLE ACTING PUMP

Levi L. McConnohie, Galesburg, Mich., assignor, by mesne assignments, to Boi-Mac Products Company, Galesburg, Mich., a partnership comprising H. V. Price, Carl R. Boelof, and Levi L. McConnohie

Application November 1, 1939, Serial No. 302,303
1 Claim. (Cl. 103—186)



A double acting pump which consists of an outer shell, a cylinder in the shell in spaced relation thereto, partitions for the ends of said cylinder and threadably engaging the latter, said partitions having ports therein, inlet valves for said ports, an outlet from said cylinder, headers for the shell, said headers communicating the ports in the cylinder partitions with the space between the outer shell and the cylinder, a plunger rod operative into the cylinder and passing through one of said end partitions and header, stuffing box means for said plunger rod where it passes through said partition and header, said stuffing box means joining the header with the adjacent partition to prevent leakage through said stuffing box means from the space between said header and partition while increasing resistance to fluid leakage from the cylinder and providing a better bearing for said plunger rod, a pair of valved pistons carried by said plunger rod and spaced apart a distance approximately equal to one-half the length of the cylinder, each of said valved pistons comprising an apertured member fixedly mounted in connection with said plunger rod for movement in unison therewith, an annular shaped means with cylinder wall contacting packing member, said annular shaped means being adapted to be moved endwise within said cylinder and to slide on said apertured member, stop means on said apertured member for limiting the extent of endwise movement of said annular means on said apertured member, the apertured member, stop means, and annular shaped means of said piston cooperating to close the apertures through the apertured member on which same is mounted, during pumping movement of that piston and to open same for fluid flow therethrough upon reverse movement of said piston, said pistons being mounted in connection with said plunger rod for pumping action by each individual piston as it approaches the cylinder outlet, said outlet from said cylinder being located at a point approximately midway of the length thereof, the header opposite to the one through which the plunger rod passes acting as the inlet of the cylinder assembly for connection to a suitable source of fluid supply, and an inlet check valve in said last named header.

2,295,593

YARN PREPARATION

John Blanchard Miles, Jr., Greenville, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 30, 1941, Serial No. 404,621
9 Claims. (Cl. 57—140)

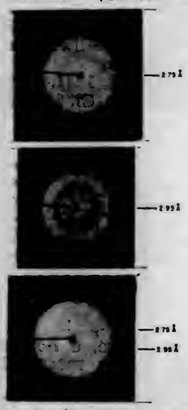
1. The process of twist-setting a Nylon yarn to reduce the twist-liveliness thereof which comprises subjecting said yarn to a hot, wet treatment involving a temperature between 135° F. and 190° F. and a relative humidity in excess of 50% while maintaining the yarn under sufficiently low tensioning conditions to permit the same to shrink.

2,295,594

DETERGENT SOAP PRODUCT AND PROCESS

Victor Mills, Ivorydale, Ohio, assignor to The Procter and Gamble Company, Ivorydale, Ohio, a corporation of Ohio

Application January 28, 1941, Serial No. 376,399
20 Claims. (Cl. 252—368)



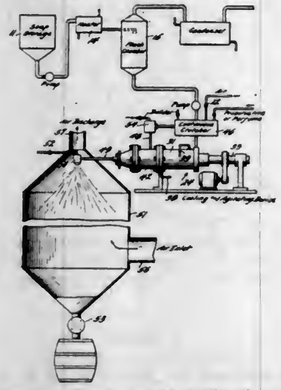
1. In a process of manufacturing detergent soap containing a substantial amount of soap in the beta phase, the steps which comprise chilling a soap mass, and while chilling said mass, effectively agitating the same and extruding the mass in continuous bar form, said agitating and extrusion being concluded while the soap mass is at a temperature at which the soap is in a condition of pasty cohesiveness, and is within the temperature range in which the beta phase as shown by X-ray diffraction photograph is formed in substantial amount upon agitating, whereby the sudsing rate of the soap is materially increased.

2,295,595

PARTICLE SOAP OF NOVEL PHASE COMPOSITION AND PROCESS FOR MAKING THE SAME

Victor Mills, Ivorydale, Ohio, assignor to The Procter and Gamble Company, Ivorydale, Ohio, a corporation of Ohio

Application June 12, 1942, Serial No. 446,757
16 Claims. (Cl. 252—368)



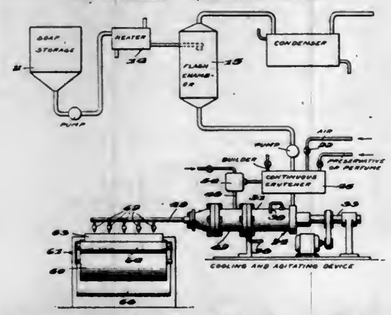
1. A soap product in particle form, of formula suitable for household and laundry use, containing a substantial proportion of sodium soap in the beta phase, and having a structure typical of a soap which has been whipped mechanically while at a temperature such that the mass is in a condition of pasty cohesiveness and while within the range in which beta soap is formed on agitation, and which has been maintained, both during said whipping and thereafter until subdivided in particle form, at pressures sufficiently low to avoid substantial compacting of the soap such as would substantially destroy its loosely knit structure, which is readily penetrated and disintegrated by water.

2,295,596

SOAP FLAKE OF NOVEL PHASE COMPOSITION AND PROCESS FOR MAKING THE SAME

Victor Mills, Ivorydale, Ohio, assignor to The Procter and Gamble Company, Ivorydale, Ohio, a corporation of Ohio

Application June 12, 1942, Serial No. 446,758
14 Claims. (Cl. 252—368)



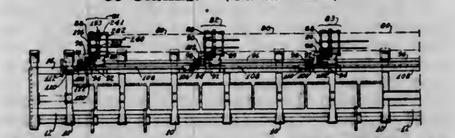
1. A soap product in flake form, of formula suitable for household and laundry use, containing a substantial proportion of sodium soap in the beta phase, and having a structure typical of a soap which has been whipped mechanically while at a temperature such that the mass is in a condition of pasty cohesiveness and while within the range in which beta soap is formed on agitation, and which has been maintained, both during said whipping and thereafter until formed into ribbons, at pressures sufficiently low to avoid substantial compacting of the soap such as would substantially destroy its loosely knit structure, which is readily penetrated and disintegrated by water.

2,295,597

PATTERN MECHANISM FOR KNITTING MACHINES

Max C. Miller, Cumberland, R. I., and Fritz Lambach, Fairview, N. J.; said Lambach assignor to Robert Reiner, Incorporated, Weehawken, N. J., a corporation of New Jersey

Application February 2, 1939, Serial No. 254,246
39 Claims. (Cl. 66—154)



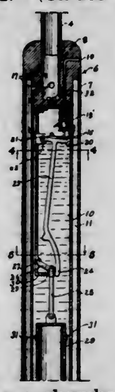
38. In a hosiery knitting machine for knitting stockings of different lengths, a pattern chain for controlling the length of stocking being knitted, means for racking said chain through a complete cycle by a maximum number of chain racking movements to produce a stocking of maximum length, and means controlled by said chain for racking said chain through a complete cycle by a lesser number of chain racking movements to produce a stocking of shorter length.

2,295,598

WELL FLOWING DEVICE

Lester D. Mowrey, Wichita Falls, Tex.

Application February 21, 1940, Serial No. 320,210
12 Claims. (Cl. 103—232)



1. In a flow device, a chamber having an inlet and an outlet adapted for flow of liquid therethrough, a second chamber adjacent the first-mentioned chamber having a fluid passage connecting the same with the first-mentioned chamber, the liquid inlet of the first-mentioned chamber being arranged out of communication with the second-mentioned chamber, said second chamber having a fluid inlet, and means for controlling said fluid inlet, said controlling means being constructed for trapping compressible fluid therein with said compressible fluid in com-

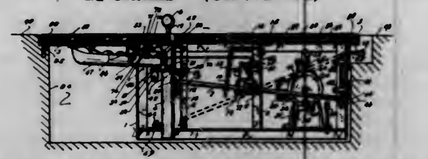
munication with the liquid in said second chamber, said liquid outlet of the first-mentioned chamber being separate from the second chamber for discharging the liquid from the first-mentioned chamber independently of the second chamber.

2,295,599

AUTOMATIC GOLF BALL TEEING DEVICE

Joe Mozel, Portland, Oreg.

Application December 18, 1940, Serial No. 370,729
14 Claims. (Cl. 273—33)



1. A golf ball teeing device including a frame seated in the recess in the playing area, a vertical housing secured in the frame, a golf ball support in the housing, a tee reciprocated vertically of the housing to engage and elevate the golf ball from the support in the upward movement of the tee and carried to a position above the playing area, the tee moving to a position below the support and free of the golf ball resting thereon at the downward limit of the tee, a guide movable in the housing below the support, a shaft depending from the tee and movable in the guide, a rod connected to the guide for reciprocating the guide and tee, a motor for moving the rod in one direction, a spring for moving the rod in the opposite direction, a switch carried by the guide, a circuit controlled by the switch for energizing the motor, means for moving the tee upwardly for a limited distance when released of the weight of the ball resting thereon, and means controlled by this limited upward movement of the tee for closing the switch.

2,295,600

PREPARATION OF PYRROLIDONE CARBOXYLIC ACIDS AND THEIR ESTERS AND PRODUCTS THEREOF

Samuel Natelson and Samuel J. Kahn, Brooklyn, N. Y.

No Drawing. Application May 19, 1939, Serial No. 274,662
11 Claims. (Cl. 260—313)

1. The method of forming a 5-pyrrolidone 2-carboxylic acid which comprises reacting a compound containing a keto group adjacent to a carbon, to which at least two hydrogens are attached, with an aqueous medium containing cyanide ions, under heat until substantially all of the ammonia given off during the reaction is eliminated.

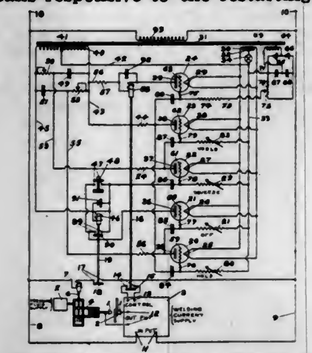
2,295,601

ELECTRON TUBE TIMING DEVICE

Wilcox P. Overbeck, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application July 19, 1939, Serial No. 285,309
17 Claims. (Cl. 250—27)

1. In combination, a plurality of rectifying electrical space discharge devices of the type in which conduction between two electrodes is initiated by a control electrode, means for impressing alternating voltages between said two electrodes of each of said discharge devices, means responsive to the stoppage of conduction in one of said discharge devices for supplying a bias voltage between the control electrode and one of said two electrodes of another of said discharge devices, and means responsive to the restarting of con-



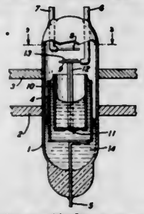
duction in the first-named discharge device for rendering said bias voltage effective to stop conduction in the second-named discharge device.

2,295,602

SWITCHING DEVICE

Charles E. Pollard, Jr., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 17, 1941, Serial No. 402,727
7 Claims. (Cl. 200—112)



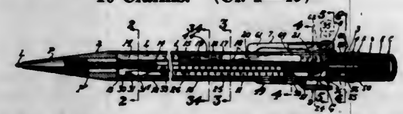
1. In an electric switch, an envelope having a pool of mercury therein, a tubular armature movable within said envelope having its lower end immersed in said mercury, a contact member carried by said armature, other contact members for engagement by said armature contact member, said contact members all having widened contact surfaces to which mercury easily adheres, and electromagnetic means for moving said armature to disengage its contact member from one of said other contact members and to engage it with the other of said contact members, whereby due to the adherence of mercury to the contact surfaces thereof, said three contact members become momentarily bridged by films of mercury during the movement of said armature contact member.

2,295,603

STAPLING DEVICE

Paul Purchard, Pittsburgh, Pa.

Application September 23, 1938, Serial No. 231,322
10 Claims. (Cl. 1—49)



1. In a stapling device having the shape of a mechanical pencil or the like and including a

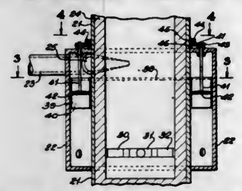
casing, a plunger, a follower to feed staples thereto, a resilient anvil having one end rigidly secured to said casing and the other end being free and flexible toward said plunger, and means positioned on said anvil to limit the movement of the follower toward said plunger.

2,295,604

APPARATUS FOR CONTROLLING THE FLOW OF AIR, GASES, AND THE LIKE

Herbert A. Reece, Cleveland Heights, Ohio, assignor to Mechanite Metal Corporation, a corporation of Tennessee

Application February 12, 1941, Serial No. 378,680
33 Claims. (Cl. 266—30)



1. In a furnace having a wind box for supplying a blast of air to a plurality of tuyères, said wind box having an inlet adapted to communicate with a source of an air blast and having outlets in communication with said tuyères, a plurality of yieldable resistors positioned in said wind box intermediate of, and at a distance from, said inlet and said outlets to substantially fill the cross-sectional area of the wind box and disposed in the path of the air blast passing through the wind box, said resistors yieldably resisting said air blast to modify the velocity thereof, and means for balancing in equilibrium the modification of velocity by said resistors, the modification of velocity of the air blast by said resistors supplying the air blast to said outlets at substantially equal velocities.

2,295,605

SULPHURIC ACID MANUFACTURE

Earl S. Ridler, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 24, 1939, Serial No. 300,943
3 Claims. (Cl. 23—174)

2. In a process for the manufacture of sulphuric acid from sulphur containing more than about 0.01 per cent non-combustible material, the steps comprising filtering the sulphur to reduce its non-combustible material content to no more than about 0.0005 per cent, burning the sulphur and then without intermediate removal of dust converting the sulphur dioxide to sulphur trioxide.

2,295,606

LUTIDINE COMPOUNDS

George Riethof, Mount Lebanon, Pa., assignor to Pittsburgh Coke & Iron Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application July 31, 1941, Serial No. 404,932
7 Claims. (Cl. 260—295)

1. As a new composition of matter, the crystalline reaction products of urea with lutidine, said reaction products being soluble in water.

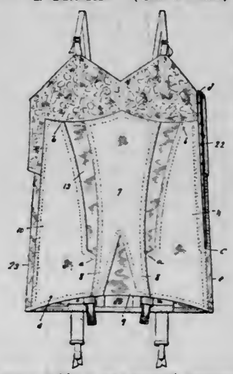
5. In a method of recovering pure 2:6 lutidine from mixtures of alkylated pyridines also containing beta and gamma picoline, the improved process which comprises reacting urea with the mixed alkylated pyridines in aqueous solution to convert the 2:6 lutidine into a crystalline reaction product, separating the crystalline reaction product from the mother liquor and decomposing the recovered crystalline product to liberate the 2:6 lutidine and recover urea.

2,295,607

CORSELETTE

Irving Rosner, New York, N. Y., assignor to Even-Pul Foundations, Inc., New York, N. Y., a corporation of New York

Application April 3, 1939, Serial No. 265,840
1 Claim. (Cl. 2—27)



A form supporting garment comprising a front section and a back section, said front section including a front panel and side panels, portions of the side edges of the side panels being connected with portions of the side edges of the front panel with the remaining portions of said side edges spaced apart, elastic inserts connecting said spaced edges together, a belt forming portion having its side edges fastened to the side portions of the front section and said belt portion including a central panel, strips of non-elastic material connected with the side portions of the front section of the garment and elastic members connecting the inner edges of said strips of non-elastic material with parts of the central panel of the belt portion, said back section including a long lower portion and a short upper portion, a centrally arranged elastic strap member connecting the central portions of the upper and lower parts of said back section together and securing members connecting said upper and lower portions of the back section together.

2,295,608

ALKYLATION CATALYST

Robert F. Ruthruff, Chicago, Ill.

No Drawing. Application December 4, 1939, Serial No. 307,448
16 Claims. (Cl. 196—10)

9. A catalyst for the alkylation of organic compounds which comprises concentrated sulfuric acid containing a mercury compound and a selenium compound.

2,295,609

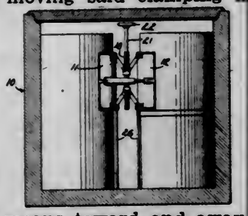
CAN HOLDER

Leonard R. Shimon, Marquette, Mich.

Application September 8, 1939, Serial No. 293,898
9 Claims. (Cl. 248—119)

9. A device for holding ice cream cans in a

receptacle against rotational movements while dispensing their contents, comprising clamping members, telescopic guide means between said clamping members, manually actuated toggle means for moving said clamping members on



said guide means toward and away from each other, and removable supports for maintaining said clamping members spaced from the bottom of said receptacle and for engagement with an upper portion of the ice cream cans.

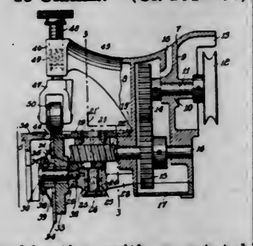
2,295,610

PINKING MACHINE

Victor J. Sigoda, Great Neck, N. Y., assignor to Man-Sew Pinking Attachment Corp., New York, N. Y., a corporation of New York

Application November 25, 1940, Serial No. 366,958

18 Claims. (Cl. 164—64)



1. In combination with a rotatably mounted trimming cutter and a work feeding member having a part movable in the plane of rotation of said cutter and a path angularly related to said plane; means, including a part actuated by said cutter, for transmitting the entire work feeding motion to said member from the cutter.

2,295,611

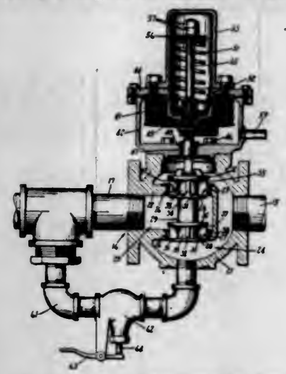
VACUUM SYSTEM FOR CAN CLOSING MACHINES

William R. Smith, Portland, Oreg., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application June 7, 1939, Serial No. 277,919

4 Claims. (Cl. 137—78)

1. In an apparatus for regulating vacuum conditions in a plurality of can closing machines connected to a common vacuum source wherein the closing chambers of the respective machines may be subjected to undesired excessively high vacuum or inadvertently opened to atmosphere and wherein any machine may be disconnected from the vacuum source, the combination of valve means disposed in the connection between one of said machines and the vacuum source, said valve being movable in opposite directions to shut off communication between said machine and said source and to an intermediate position to establish communication therebetween, a closed casing communicably connected with the can closing chamber of said machine so as to be subject to pressure conditions therein, and means in said casing connected to said valve means for actuating the latter in response to existing pressure conditions within said casing, said actuating means being moved in one direction to close said valve and shut off said machine from the vacuum source when the degree of vacuum in said closing



chamber exceeds a predetermined limit and in the opposite direction to close said valve when said closing chamber is inadvertently opened to atmosphere, whereby to insure against imposing undue strain on said vacuum source.

2,295,612

SEPARATION OF RESIN-FORMING AROMATIC HYDROCARBONS FROM MIXTURES BY SOLVENT EXTRACTION

Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application April 6, 1939, Serial No. 266,411

12 Claims. (Cl. 260—669)

1. A process for the separation of a mixture predominately aromatic in nature and containing unsaturated aromatic material in which unsaturation appears other than in benzene rings and saturated aromatic material in which unsaturation does not appear other than in benzene rings into portions predominately aromatic in nature one of which contains a higher concentration of said unsaturated aromatic material and another of which contains a higher concentration of said saturated aromatic material than said original mixture, which comprises extracting said mixture with a polyhydric alcohol to form two phases, separating said phases, and segregating the aromatic material of each of said phases to obtain said portions.

2,295,613

GUMMED SHEET MATERIAL

Charles W. Stillwell, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts

Application January 6, 1941, Serial No. 373,204

11 Claims. (Cl. 117—41)



9. Method of making dry but remoistenable gummed sheet materials which will lie flat, comprising the steps of applying to a thin flexible cellulosic backing sheet an interface, which is adherent to the backing sheet and which is characterized by exhibiting more preliminary give than the backing sheet and more subsequent resistance to deformation than the strength of the gumming layer during the drying shrinkage of the latter, applying a fluid gumming coating which is adherent to the interface, and holding the sheet taut while drying the gumming coating to cause the coating to break into a multitude of small islands which contract to widen the cracks therebetween.

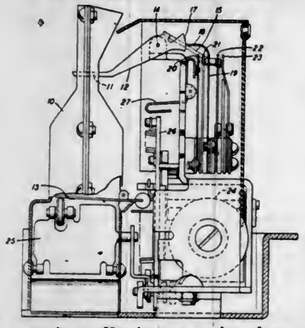
2,295,614

COIN ACTUATED DEVICE

Charles C. Towne, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 1, 1941, Serial No. 413,174

2 Claims. (Cl. 194—16)



1. In a coin collector, a coin channel for receiving deposited coins, a pivoted trigger having on one side of its pivot an arm normally projecting into said channel for actuation by a deposited coin and having on the other side of its pivot a counterweight, the moment of inertia of the mass of the trigger on the counterweight side of the pivot being substantially greater than the moment of inertia of the mass of the trigger on the arm side of the pivot, said arm side of said trigger having a center of percussion located substantially the same distance from the pivoting axis as the center of percussion for the counterweight side of said trigger.

2,295,615

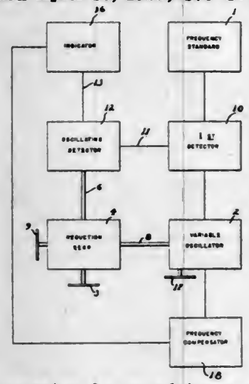
FREQUENCY MEASUREMENT AND CONTROL

Dundas Preble Tucker, United States Navy

Application July 15, 1941, Serial No. 402,555

11 Claims. (Cl. 250—36)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An apparatus for supplying a variable and ascertainable frequency comprising in combination a continuously variable source of frequency whose frequency output is substantially linear in response to adjustments of its frequency controlling element, a fixed frequency standard for producing harmonic check frequencies throughout the frequency range of the variable frequency source, heterodyning means associated with the variable frequency source and the frequency standard for producing a cycle of beat frequency as the frequency of the source is varied with respect to the check frequencies of the standard, means including a frequency controlling element for substantially duplicating the aforesaid cycle of beat frequency and for heterodyning any frequencies in these two cycles, means for simultaneously adjusting the frequency controlling elements of the variable frequency source and cycle duplicating means and for indicating the desired frequency of the variable frequency source, and means responsive to any beat frequency produced by heterodyning any frequencies in the two cycles of beat frequency for detecting any difference between the actual frequency of the variable frequency source and the desired frequency of its indicating means.

2,295,616

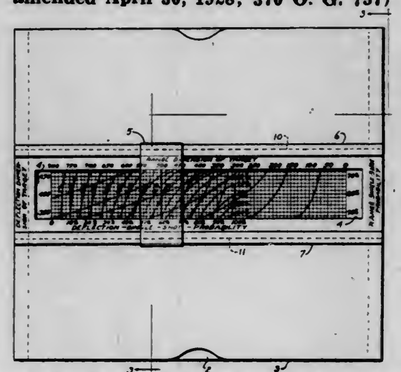
PROBABILITY COMPUTER

Charles G. Williamson, Sacramento, Calif.

Application March 23, 1940, Serial No. 325,660

2 Claims. (Cl. 235—61.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A probability computer comprising a stationary member and a movable member operatively associated therewith to slide relatively thereto, a set of indicia representing percentage of probability arranged on one of said members, another set of indicia representing units of measure arranged on the other of said members, one set of said indicia being arranged as abscissa in a positive sense and the other set of indicia being arranged as ordinates in a positive sense, and curves arranged on one of said members representing probable error factors, said curves being drawn from the origin of co-ordinates established by said ascissa and ordinates, another set of indicia representing units of measure arranged on said one of said members, another set of indicia representing percentage of probability arranged on said other of said members, said last-named indicia being on the same scale modulus as said first-named indicia, one of the last-named sets of indicia being arranged as abscissa in a negative sense and the other of the last-named sets of indicia being arranged as ordinates in a

negative sense establishing an origin of co-ordinates diagonally opposite said first origin of co-ordinates, probable error curves drawn on the member bearing the first named set of curves and from said second origin of co-ordinates and in a negative sense, and a third set of curves each of which has the value represented thereby recorded thereon representing compound single-shot probability arranged on said other of said members with said above-mentioned ordinates in a negative sense as ordinates and said above-mentioned abscissa in a positive sense as abscissa.

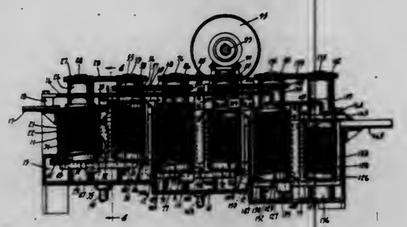
2,295,617

SHEET METAL TREATING MACHINE

Custis S. Woolford, South Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application February 28, 1940, Serial No. 321,327

7 Claims. (Cl. 266—7)



1. In a machine for deoxidizing metallic sheets to permit soldering or welding of localized portions thereof into tubular can bodies, the combination of a plurality of vertically disposed conveyors arranged in spaced pairs respectively for engagement with opposite marginal portions of the sheets to move the same successively in opposite vertical directions through the machine, means cooperating with said conveyors for progressively transferring said sheets from one pair of said conveyors to a succeeding adjacent pair at the termination of a vertical movement of the sheets in one direction to obtain a further vertical movement of the sheets in the opposite direction, and means disposed between said pairs of conveyors adjacent opposite ends of the sheets for spraying localized opposite edge portions only of the moving sheets to deoxidize such portions for the purpose described.

2,295,618

RECOVERY OF ALIPHATIC POLYHYDROXY COMPOUNDS

Carl Wulff and Helmut Ohlinger, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application May 21, 1938, Serial No. 209,360. In Germany May 29, 1937

3 Claims. (Cl. 202—57)

1. A process of producing aliphatic polyhydroxy compounds containing at least 6 carbon atoms and 1 hydroxyl group for each 2 carbon atoms which consists in treating the residue left after the distillation of 1,3-butylene-glycol which has been obtained by hydrogenating crude aldol, with a dilute aqueous mineral acid, distilling off the aldehydes formed, removing the mineral acid and subjecting the residue to a distillation under reduced pressure.

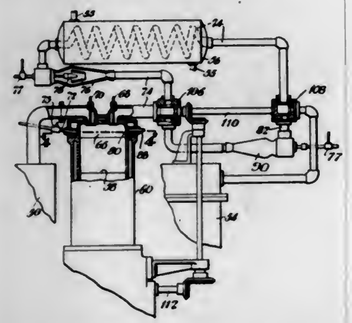
2,295,619

INTERNAL COMBUSTION ENGINE

Johann J. Wydler, Westfield, N. J., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

Original application November 12, 1938, Serial No. 240,013. Divided and this application February 15, 1940, Serial No. 318,986

8 Claims. (Cl. 123—1)



1. In an internal combustion engine, a cylinder bore, a piston mounted for reciprocation in said bore, an ignition and valve chamber at one end of the bore, a throat permanently and communicably connecting the chamber and bore, said throat having a cross-sectional area not less than ¼ of the cross sectional area of the bore, an air and fuel supply inlet and a burned gas discharge passage ported out in said chamber, valves for said inlet and discharge passages, an igniting element positioned within said chamber, two air supply pipes communicably connected to said air inlet, a fuel carburetor disposed at an intermediate point in one of said pipes, valves arranged for delivering air and air-fuel mixture to said air inlet alternatively through said air supply pipes, and valve actuating and timing mechanism arranged for operating said valves in timed relation to the engine operating cycle to supply air and air-fuel mixture successively to the air inlet during a single air intake stroke of the piston.

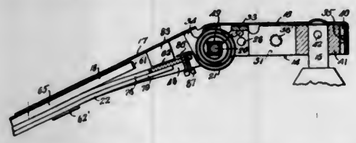
2,295,620

ARM FOR WINDSHIELD WIPERS

Max Zaiger, Swampscott, Mass.

Application May 7, 1941, Serial No. 392,269

10 Claims. (Cl. 15—255)



1. In an articulated wiper arm having pivotally connected inner and outer sections, a sleeve disposed at the axis of the pivotal connection, means independent of the pivot for securing the sleeve to the inner section so that relative movement between said parts is prevented, a spiral spring surrounding the sleeve, means anchoring the inner end of the spring to the sleeve, the outer end of said spring reacting against a portion of the outer section and tending to move the free end of said section toward operative position.

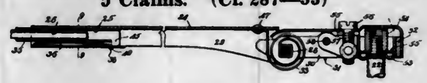
2,295,621

WINDSHIELD WIPER ARM

Max Zaiger, Swampscott, Mass.

Application September 25, 1941, Serial No. 412,269

5 Claims. (Cl. 287—53)



5. A coupling for attaching a windshield wiper arm to an operating shaft provided with a collar portion, comprising a clamp housing connected to the wiper arm and having an end portion loosely receiving the shaft collar, a clamping pawl pivoted within the housing and having an end engageable with the periphery of said collar, and means in said housing for swinging the pawl to operative position for clamping the housing to the collar.

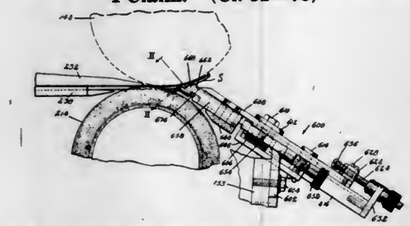
2,295,622

ABRADING MACHINE

Leon D. Alderman, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application July 25, 1940, Serial No. 347,447

1 Claim. (Cl. 51—78)



A work-pressing finger for use in abrading machines, comprising a finger-like member adapted to press a moving work-piece against an abrading tool, and a replaceable work-engaging member of wire, said finger having a hole through which said wire passes, and said wire being bent to retain it in the hole.

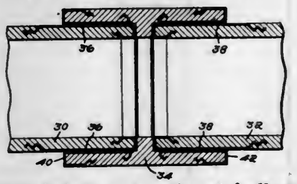
2,295,623

NONMETALLIC PIPING

William H. Armstrong, Plymouth, Mass.

Application July 10, 1941, Serial No. 401,749

3 Claims. (Cl. 285—115)



1. A joint between a pair of hollow tubular pipes of non-metallic material, comprising a pair of hollow tubular sleeves of solder-compatible metal having different diameters each fixedly mounted upon an end of one of said pipes and forming a facing therefor, said sleeves secured together in mutual telescopic relation with a portion of each sleeve exposed beyond the telescoped portion thereof, said sleeves being so constructed and proportioned as to provide between their opposed telescoped surfaces a capillary passage open at the exterior of the joint, and a thin film of solder in said passage uniting said opposed, telescoped surfaces of said sleeves.

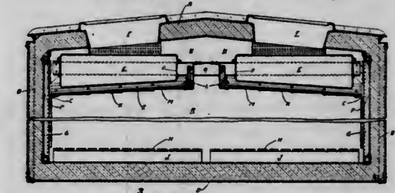
2,295,624

REFRIGERATOR CAR CONSTRUCTION

Alfred G. Bancroft, Chicago, Ill., assignor to Standard Railway Devices Company, a corporation of Delaware

Application May 5, 1941, Serial No. 391,839

8 Claims. (Cl. 62—17)



1. In a refrigerator having a storage compartment, the combination of a refrigerant container above the storage compartment, an enclosure for said container formed at least in part by a partition below said container, means to conduct cold air from said enclosure to the lower part of said storage compartment and means to direct warm air from the upper part of said storage compartment to said enclosure, said partition comprising a waterproof upper part having a relatively high thermal conductivity, whereby the upper part of said storage compartment is refrigerated by conduction through said partition and spaced apart waterproof slats underlying substantially the entire area of said upper part, whereby said slats prevent dripping of condensed moisture into the storage compartment and permit air in said compartment to contact the lower surface of said upper part.

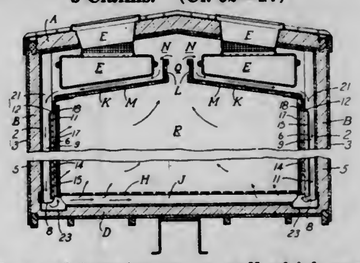
2,295,625

REFRIGERATOR CAR CONSTRUCTION

Alfred G. Bancroft, Chicago, Ill., assignor to Standard Railway Devices Company, Chicago, Ill., a corporation of Delaware

Application July 28, 1941, Serial No. 404,315

5 Claims. (Cl. 62—17)



1. In a refrigerator car, a wall which partially encloses a lading compartment, duct means associated with said wall, a lining forming one wall of said duct means, means to supply cold air to said duct means, apertures in said lining to provide for the escape of cold air from said duct means to the lading compartment and means to keep lading out of said apertures.

2,295,626

DISCHARGE LAMP AND METHOD OF MANUFACTURE

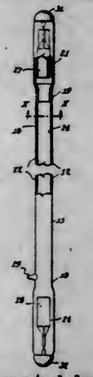
Norman Carl Beese, Verona, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 30, 1939, Serial No. 297,235

6 Claims. (Cl. 176—122)

3. A discharge lamp comprising an elongated

envelope of high transmission ultra-violet glass, the walls of said envelope being reduced for a major portion of the distance between the ends to a thickness of the order of approximately one-half that of the walls of the end portions, an electrode in each end portion, the inner surface of that portion of said envelope of reduced



wall thickness, being coated for substantially its entire length with substantially pure silica to protect it against decomposition during operation of the lamp, and a rare gaseous filling admixed with mercury vapor enclosed in said envelope, said lamp being operable at low current densities to produce ultra-violet radiations particularly effective for bactericidal and fungicidal purposes.

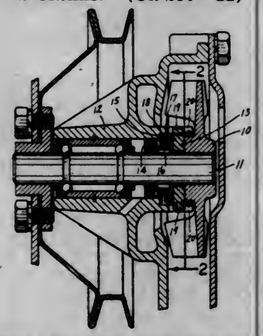
2,295,627

FLUID SEALING DEVICE

Kurt A. Beier, Indianapolis, Ind., assignor to Schwitzer-Cummins Company, Indianapolis, Ind., a corporation

Original application September 8, 1934, Serial No. 99,763, now Patent No. 2,250,348, dated July 22, 1941. Divided and this application July 5, 1941, Serial No. 401,165

2 Claims. (Cl. 286—11)



1. In a fluid seal, the combination with a rotatable structure, a shaft therefor and a bearing housing having a through bore spaced from said shaft and provided with a radially extending shoulder, of a washer surrounding said shaft in sealing contact with said structure, a flexible sleeve surrounding and spaced from said shaft having a flanged end in sealing engagement with said washer, a spring retaining member bearing against said flanged end, a spring retaining cup surrounding said shaft in spaced relation thereto and seated within the bore of said housing, said cup being U-shaped in cross section and provided with an outwardly extending flange seated against said shoulder, and a compression spring surrounding said sleeve with one end extending within and a bearing against said cup and the other end bearing against said retaining member for exerting sealing pressure against said washer and shoulder.

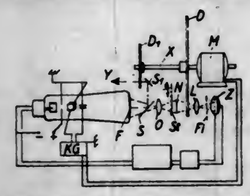
2,295,628

APPARATUS FOR THE REVERSAL OF COLOR NEGATIVES

Friedrich Biedermann, Munich-Unterhaching, Germany, assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application November 13, 1940, Serial No. 365,455

3 Claims. (Cl. 178—5.2)



1. Apparatus for the reversal of photographic color negatives which comprises a cathode ray oscillograph provided with an anode, a cathode, a control electrode, a fluorescent screen and deflecting plates, a time base, said deflecting plates being adapted to derive their voltage from said time base and to deflect the cathode ray beam in two directions as in television so that said ray beam scans said fluorescent screen point by point, an objective between said screen and the color negative to be reversed, a photoelectric cell, a lens between said negative and said cell, a control device connected between said photocell on the one hand and said control electrode and cathode on the other hand forming a bridge circuit, said cell being one arm of said circuit and adapted to control said cathode ray beam in such a manner that the quantity of light falling on said cell from all points of said negative is substantially the same, and two filter sets dyed in equal primary colors, one of said filter sets being arranged in the ray beam path between said color negative and said photoelectric cell and the other filter in the ray beam path of the observer in such a manner that equal color components are always simultaneously in the path of the rays during scanning the image said filter sets being movable simultaneously for scanning each point of the negative and screen in each of said primary colors and said cell controlling said cathode ray beam, without altering the cross sectional size of the beam at the screen, in such a manner that the quantity of light falling on said cell from all points of the negative is substantially the same.

2,295,629

FREQUENCY CONTROL SYSTEM

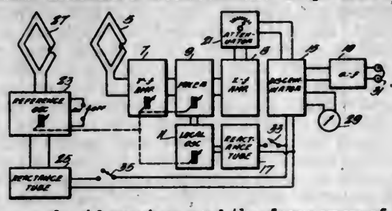
Donald S. Bond, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application October 31, 1940, Serial No. 363,633

12 Claims. (Cl. 250—1)

1. In a field measuring system having a receiver responsive to a signal to be measured and a separate reference oscillator coupled to said receiver, the method of operation which comprises tuning said receiver to the frequency of said signals, tuning said reference oscillator to

substantially the same frequency, deriving a potential whose amplitude varies as a function of the difference between the responsive fre-



quency of said receiver and the frequency of said oscillator, and applying said potential to said oscillator and said receiver to minimize said difference.

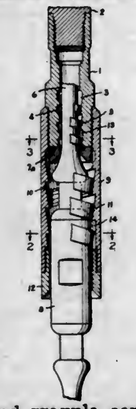
2,295,630

OVERSHOT GRAPPLE

George W. Bowen, Houston, Tex.

Application October 18, 1940, Serial No. 361,729

2 Claims. (Cl. 294—102)



1. A sucker rod grapple comprising a tubular bowl which is threaded at both ends and has an inside downwardly and inwardly tapering helical face, a helical jaw on said face whose inner side is toothed to engage an object in the grapple and whose outer side conforms to the taper of, and rests upon, said face to cause contraction of the jaw into engagement with said object upon upward movement of the grapple, said jaw being independent of and unattached to the bowl, said bowl having an axial inside dove-tailed slot at the end of the tapering face, a pin in the slot forming an abutment engageable against the end of the jaw whereby upon appropriate turning and upward movement of the grapple the jaw will be caused to expand to release said object, a guide threaded into the lower end of the bowl and contacting the pin, a tubular connecting nipple threaded into the upper end of the bowl.

2,295,631

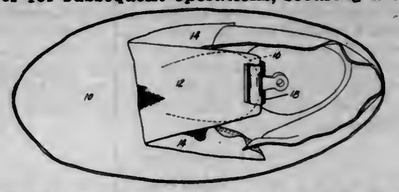
METHOD OF MAKING SHOES

John H. Boyer, Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application October 29, 1940, Serial No. 363,264

15 Claims. (Cl. 12—142)

1. That method of making shoes which comprises securing a vamp lining to a shoe upper, drawing the lining heelwardly, holding it against return movement without obstructing the accessibility of the inner surface of the forepart of the upper for subsequent operations, securing a welt



to the margin of the upper, spreading the lining out against the inner surface of the upper, and completing the shoe.

2,295,632

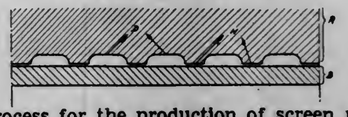
PROCESS FOR THE PRODUCTION OF SCREEN REFLEX COPIES

Willem Marie Buskes, Velden, Netherlands, assignor to Naamlooze Vennootschap Chemische Fabriek L. van der Grinten, Venlo, Netherlands, a company of the Netherlands

Application September 7, 1939, Serial No. 293,709

In the Netherlands April 14, 1939

11 Claims. (Cl. 95—5)



1. Process for the production of screen reflex copies which comprises projecting actinic rays onto an original through a screen having alternate opaque and transparent areas and a sensitized sheet, one face of the latter contacting with the screen and the other face contacting with the original, the face of the screen contacting with the sensitive sheet having the form of a relief in which the alternate elevations and depressions coincide with the alternate transparent and opaque portions of the screen respectively.

7. A covering screen having alternate opaque and translucent areas for use in making reflex copies of an original on a sensitive sheet held between the original and the covering screen, comprising a translucent member with a contact surface having small spaced translucent flat elevated contact areas in one plane and opaque depressed areas therebetween, wherein the depressed areas are interconnected between the contact areas, substantially as and for the purpose described.

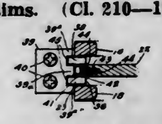
2,295,633

COMMINUTING MEANS

Corson Walter Chase, Chicago, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois

Application September 9, 1939, Serial No. 294,147

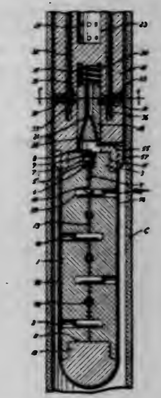
10 Claims. (Cl. 210—152)



1. In comminuting means, a through flow comminutor having rotating spaced cutter carrying discs between which liquids flow from one side of the comminutor to the other side thereof, said discs being provided with cutting teeth on their edges, and a stationary notched cutting bar, cooperating therewith to comminute solids, in combination with walls providing a channel in which

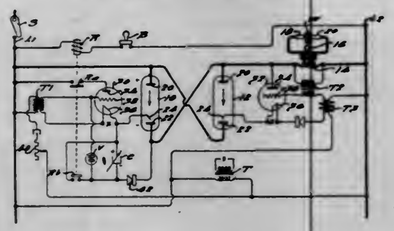
the comminutor is located and other wall means cooperating with said channel walls to provide a recessed space, which is laterally off-set with respect to one of the channel walls, the comminutor being disposed, in part, in said recessed space with its cutting bar located in said space, whereby eddy currents, formed in said space by a flowing stream, agitate solids that accumulate on the cutting bar in said space.

2,295,634
GUN FOR PERFORATING WELL CASING WITHIN THE WELL
Arthur J. Collins, Corpus Christi, Tex.
Application February 9, 1940, Serial No. 318,049
24 Claims. (Cl. 164—0.5)



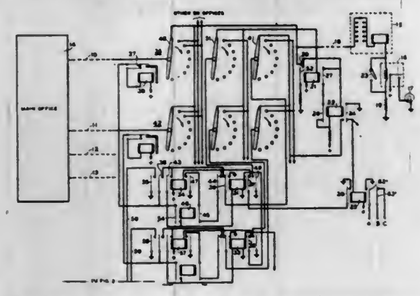
1. A well perforating gun including, a support having a plurality of transverse firing chambers having a powder section and a projectile section and a longitudinal firing channel transecting said chambers at a point near the outer end of the powder section whereby the outer portion of the powder is first ignited.

2,295,635
TIMER
Cletus J. Collom, Detroit, Mich., assignor to Weltronic Corporation, Detroit, Mich., a corporation of Michigan
Application August 2, 1940, Serial No. 349,649
5 Claims. (Cl. 250—27)



1. In a timing system having a source of alternating current, the combination of a first valve having principal electrodes connected to said source and having a control electrode, a second valve having a control electrode and having principal electrodes electrically coupled to said first control electrode and one of said first principal electrodes and effective when rendered conductive to apply a starting potential between said first control electrode and said one principal electrode and thereby render said first valve conductive, means for successively applying a potential in predetermined time phase relation to said source to said second control electrode to successively render the second valve conductive, means including an energy storage device charged by flow of current between said principal electrodes of said second valve, and means coupling said last mentioned means to said second control electrode so as to apply the charged potential of said device to said second control electrode.

2,295,636
METERING SYSTEM
Frank Leslie Currie, Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application May 29, 1940, Serial No. 337,754
9 Claims. (Cl. 178—2)



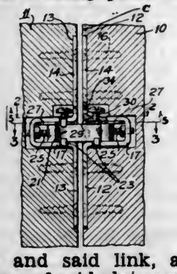
1. In apparatus for making a determination of an unpredictable number of similarly conditioned instrumentalities, each of which may be represented by a predetermined electrical state, means to test sequentially for said electrical states, means for temporarily arresting said testing means upon the detection of one of said electrical states, means responsive to the arresting of said testing means to count the number of said electrical states detected, and means controlled by said counting means to disable said arresting means.

2,295,637
HIGHLY REFRACTORY MASS
Karl Dietz, Kronberg, Taunus, Germany; vested in the Alien Property Custodian
No Drawing. Application February 6, 1941, Serial No. 377,667. In Germany February 1, 1940
11 Claims. (Cl. 106—104)

1. A method of producing highly refractory hydraulic mortars, tamping material, materials for repairs and coating and shaped bodies therefrom which comprises mixing cement powders obtainable by calcining, then cooling and finely grinding compounds of magnesia, selected from the group consisting of magnesium oxide and magnesium silicates with alumina sol.

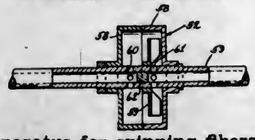
2,295,638
HINGE
John P. Doman, Los Angeles, Calif.
Application November 29, 1939, Serial No. 306,663
2 Claims. (Cl. 16—164)

1. A hinge as described comprising a pair of bracket members each having a U-shaped portion, a link pivotally mounted at its ends in said U portions of the brackets, one of said brackets having a friction bearing plate between a side



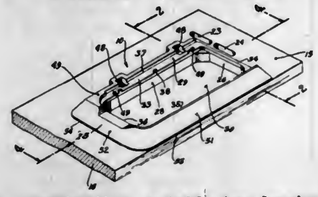
portion thereof and said link, and means to adjust the pressure of said plate against said link.

2,295,639
MEANS FOR PRODUCING FIBERS FROM SUITABLE MOLTEN MATERIALS
Daniel C. Drill, Wabash, Ind., assignor to American Rock Wool Corporation, Wabash County, Ind.
Original application January 6, 1936, Serial No. 57,791. Divided and this application April 22, 1939, Serial No. 269,375
4 Claims. (Cl. 83—91)



1. In apparatus for spinning fibers from suitable molten materials, a hollow shaft and means for rotating said shaft, said shaft having a fluid inlet and a fluid outlet and adapted to be operatively connected to a supply of cooling fluid without said shaft, a hollow drum mounted thereon and having its interior in operative communication with said fluid outlet and said fluid inlet of said shaft and an impeller means within the interior of said drum for centrifugally forcing a cooling fluid from said supply through said inlet to the interior of said drum and through said outlet, said drum being adapted to operatively maintion a velocity in excess of one thousand R. P. M.

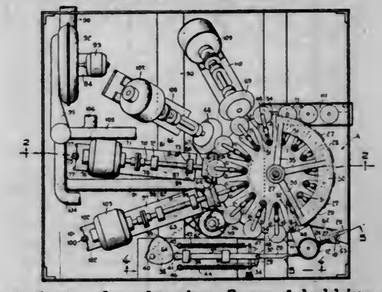
2,295,640
SUPPORTING DEVICE
Donald A. Cumfer, Ridgewood, N. J., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application August 3, 1939, Serial No. 288,094
2 Claims. (Cl. 112—260)



1. In combination, a table top having a main opening with side walls; a sewing machine with a base having top, bottom and side surfaces; an adaptor-supporting plate with a top face; locating means in the supporting plate including a recess to accommodate the machine base; said base being proportioned so that its top substantially coincides with the top face of the supporting plate; depending flanges on each side of the plate abutting the side walls of the main opening to slidably guide said supporting plate longitudinally of the table, a flange portion on at least three sides of the supporting plate and overhanging the table top, and cloth-guiding means formed in the overhanging flange and including an upper face formed of a plane surface with its lower edge resting on the table top and inclined upwardly therefrom to the top of the plate.

2,295,641
WITHDRAWN

2,295,642
CLEANING APPARATUS
William J. Elvin, Frostburg, Md., Elmer R. Stahl, Meyersdale, Pa., Raymond D. Reel, Keyser, W. Va., and Joseph H. Duckworth, Lonaconing, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application November 8, 1940, Serial No. 364,830
6 Claims. (Cl. 15—21)



1. A device for cleaning flanged bobbins comprising a series of centering clamps each adapted to engage the ends of the bore of the flanged bobbin and to leave the outer surfaces of the flanges free, means for moving said centering clamps together with the bobbins held thereby along a controlled path and a plurality of cleaning elements in said controlled path adapted to contact the surfaces of said bobbins.

2,295,643
MINERAL FEEDSTUFF
Frederic H. Emery, Bedford, and Irene Levis, Cleveland Heights, Ohio, assignors of one-half to The Harshaw Chemical Company, Cleveland, Ohio, a corporation of Ohio, and one-half to Tennessee Eastman Corporation, Kingsport, Tenn., a corporation of Virginia
No Drawing. Application April 23, 1941, Serial No. 389,956
12 Claims. (Cl. 99—2)

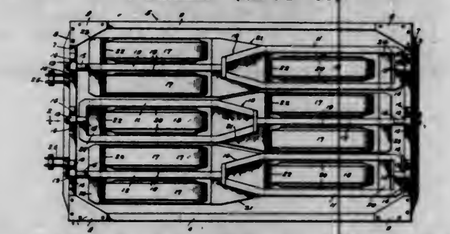
1. A mineral feedstuff in sensibly dry, solid state, being the product produced by heating together in the presence of moisture at least one compound of a metal of the class consisting of manganese, cobalt, iron, copper, calcium, magnesium and zinc, an edible protein material and a protein splitting acid.

2,295,644
MANUFACTURE OF KETENE, ACETIC ANHYDRIDE, AND HOMOLOGUES THEREOF
Leonard Fallows and Eric Vernon Mellers, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application December 20, 1938, Serial No. 246,846. In Great Britain January 20, 1938
2 Claims. (Cl. 260—547)

1. In a process for the manufacture of ketene

and acid anhydride by thermal dehydration of acetic acid vapor at a temperature of 500 to 1,000° C. and in the presence of phosphoric acid as catalyst, the step of passing said acetic acid vapor and phosphoric acid over a substantially inert carrier having deposited thereon a substance selected from the group consisting of zinc oxide, cadmium oxide and compounds yielding these oxides under the conditions of the thermal dehydration.

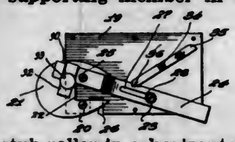
2,295,645
ROAD ROLLER
Benjamin H. Flynn, Alexandria, La.
Application March 24, 1941, Serial No. 385,018
7 Claims. (Cl. 94—50)



1. A roller comprising a main horizontal frame having longitudinal side bars and front and rear end bars extending between and secured to said side bars; upper pairs of vertical guide tracks secured to and projecting upwardly from said end bars, said pairs being spaced apart transversely of said main frame and the tracks of each pair being also spaced apart transversely of said main frame, lower pairs of vertical guide tracks secured to and projecting downwardly from said end bars, the tracks of said lower pairs being vertically alined with those of said upper pairs; a plurality of auxiliary horizontal frames extending longitudinally between said end bars, each of said auxiliary frames having its front end disposed in close relation with one upwardly projecting pair and one downwardly projecting pair of the tracks on said front end bar, the rear end of each auxiliary frame being related with one upwardly projecting pair and one downwardly projecting pair of tracks on said rear end bar in the same manner that said front end of said auxiliary frame is related with the tracks on said front end bar; an upper and a lower pivot member projecting longitudinally outward from each end of said auxiliary frames and spaced respectively above and below said end bars to allow said auxiliary frames to vertically float independently, the upper pivot members being received between the tracks of said upper pairs and in spaced relation therewith, and the lower pivot members being received in the same manner between the tracks of said lower pairs to allow said auxiliary frames to laterally tilt independently; and front and rear packing wheels connected with and supporting the front and rear ends of each of said auxiliary frames.

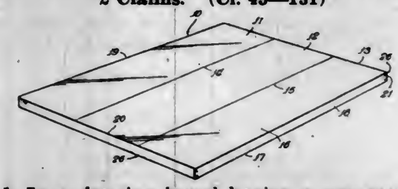
2,295,646
CASKET PLACING DEVICE
Clarence E. Gehlbach, Corydon, Ind.
Original application February 5, 1940, Serial No. 317,426. Divided and this application January 14, 1941, Serial No. 374,392
7 Claims. (Cl. 27—26)

1. A casket placing device including a frame adapted to be positioned over a grave, a supporting member pivotally mounted on the frame, a stub roller cooperating with the supporting member and pivotally mounted for downward swinging movement with respect thereto, means for locking the supporting member in one position



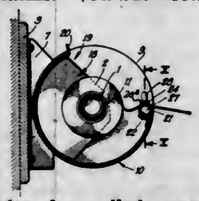
to hold the stub roller in a horizontal plane, and means for moving the supporting member to another position to effect release of the roller holding means when said locking means is released.

2,295,647
DRAWING BOARD
Anthony P. Geimer, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin
Application June 8, 1940, Serial No. 339,509
2 Claims. (Cl. 45—131)



1. In a drawing board having a non-metallic flat body, that improvement therein which comprises a pair of pre-formed slots extending throughout an edge of the body opening into said edge adjacent the faces of the body respectively and directed obliquely therefrom to form a dove-tail portion of the body at said edge, and a metal cleat of channel formation having its side walls directed toward each other to an extent substantially corresponding to the depth and length of the slots, said cleat being assembled with said body by a force fit end to end telescoping action whereby the cleat interlocks with the dove-tail portion and the channel sides resiliently engage the body to retain the parts in assembly, the ends of the channel walls being rounded to provide a camming action between the said walls and the body assisting in said assembly.

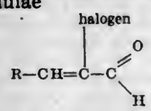
2,295,648
HOLDER AND DISPENSER FOR ROLLED SHEET MATERIAL
Alexander C. Gillanders and Harry H. Daggett, Los Angeles, Calif., assignors to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey
Application February 19, 1940, Serial No. 319,578
5 Claims. (Cl. 242—55.5)



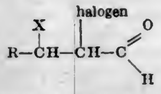
5. In a holder for rolled pressure-sensitive adhesive tape, the combination of: a substantially closed housing having an unobstructed interior of a size and shape to receive rolls of pressure-sensitive adhesive tape, said housing having a longitudinal opening extending substantially the full length of the housing, a movable cover for closing said longitudinal opening, a removable supporting means for supporting rolls of pressure-sensitive adhesive tape; and a tubular edge member on the housing and defining one longitudinal edge of said opening and providing a narrow ledge portion to which the adhesive tape will adhere and also having a slot extending substantially throughout its length immediately adjacent said ledge, said housing, removable supporting means, and tubular edge member being so related that a roll of adhesive tape having a radius equal to the distance from the roll support to said tubular member can be placed on said support and received in said housing; and cutting means mounted for movement along said tubular edge member to cut material extending across and adhering to said ledge, said cutting means comprising a guiding member within said tubular edge member, a handle means without said edge member, and a cutter secured to said handle and to said guiding member and operating through said slot.

2,295,649
BENZANTHRONES AND A PROCESS OF PREPARING THEM
Heinrich Greune and Karl Schneider, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application April 22, 1939, Serial No. 269,412. In Germany June 18, 1938
8 Claims. (Cl. 260—364)

1. The process which comprises adding, while stirring, to a solution in sulfuric acid of a compound of the group consisting of 9-anthrones and 9-anthranoles which are unsubstituted in at least one of their positions peri to the 10-position a compound of the group consisting of those of the general formulae



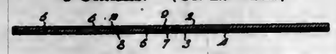
and



and the aldehydeoacetals thereof, wherein R represents a member of the group consisting of hydrogen and alkyl and X represents a member of the group consisting of hydroxyl, methoxyl and halogen.

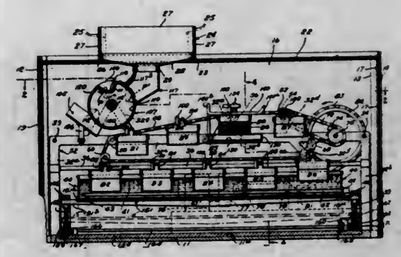
8. Bz-3-methyl-6-chlorobenzanthrone melting at 180° C. to 182° C. and dissolving in concentrated sulfuric acid to an orange-red solution having a yellow-red fluorescence.

2,295,650
METHOD OF PRODUCING COMPLEMENTARY INSOLE AND OUTSOLE
Norval B. Griffin, Portsmouth, Ohio, assignor, by mesne assignments, to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 28, 1934, Serial No. 755,181
5 Claims. (Cl. 12—142)



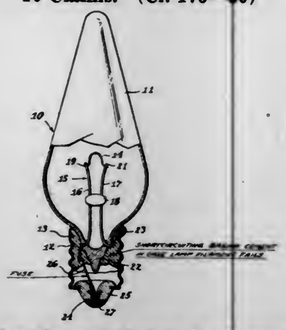
1. The method of producing a unitary insole and unitary outsole from a leather sole blank which consists in longitudinally dividing a leather sole blank into two sections by splitting the heel and the shank portions and the margins of the ball portion of the blank in one plane parallel to the opposite surfaces of the blank, and splitting the ball portion within the margins thereof in a second plane parallel to the opposite surfaces of the blank and by making a merging cut joining said planes thereby producing when the sections are separated a unitary outsole with a thickened ball portion within its margins and a unitary insole having a ball portion thinned within its margins.

2,295,651
APPARATUS FOR COOKING FOOD PRODUCTS
George L. Gustafson, Danbury, Conn.
Application June 8, 1938, Serial No. 212,614
15 Claims. (Cl. 53—7)



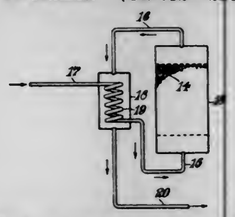
1. An apparatus for cooking or treating products like edibles comprising a plurality of baskets having endless flexible carrier means therefor with means guiding said carrier means to move said baskets in a closed path lying in a vertical plane so disposed that said path has at least two portions, a tank positioned so that its bottom underlies one of said portions of said path and being of sufficient width and length to permit entry thereinto of baskets as they enter said path portion for submergence in a suitable medium in said tank and to be moved along and within the latter throughout said path portion and to be lifted out of said tank toward the end of said path portion, a discharge chute having a receiving portion operatively related to said other path portion, means pivotally suspending the baskets from said endless carrier means for oscillation about an axis at right angles to said vertical plane, and means operative when a basket reaches said discharge chute for effecting discharge of the contents of the basket into said chute, said discharge-effecting means comprising a portion of each basket movable to provide upon movement in one direction a discharge opening for discharging the contents carried by the basket, said movable portion having a control member, cam means positioned near the end of said upper path portion to actuate said control member as the basket with the latter moves into the discharge position, and means positioned to coact successively with the baskets as the latter are successively brought to discharge position to hold the basket against tilting about its axis of pivotal support and thereby to insure that said cam means and said control member coact to effect said discharge opening.

2,295,652
INCANDESCENT ELECTRIC LAMP WITH BASE FUSES
Aaron Martin Hageman, Verona, and Paul Barringer Tully, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 3, 1941, Serial No. 391,650
10 Claims. (Cl. 176—30)



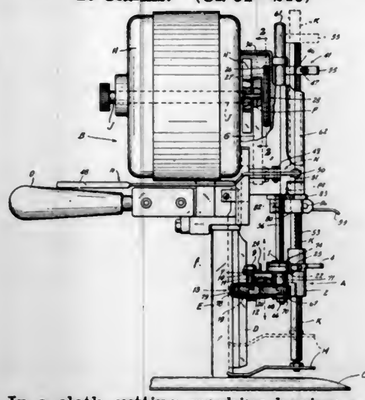
2. An incandescent electric lamp comprising a bulb, a filament disposed in said bulb and lead wires projecting therefrom, a base including a conducting shell receiving a portion of said bulb, a contact member insulated from said shell, basing cement disposed between the peripheral portion of said shell and the received portion of said bulb, securing said parts together, and terminating short of said contact member, leaving an effective arc-stopping space therebetween, one of said leads being connected to said shell and the other embedded in said cement and terminating short of said contact member, and a wire of less carrying capacity than one of said leads passing through said space and connecting said last-mentioned lead to said contact member.

2,295,653
PREPARATION OF CATALYSTS
Roland Hall Griffith and John Herbert Geoffrey Plant, London, England, assignors to The Gas Light & Coke Company, Westminster, London, England, a British company
Application February 24, 1940, Serial No. 320,640
In Great Britain February 25, 1939
11 Claims. (Cl. 252—233)



1. A method of preparing a catalyst consisting of the sub-sulphide of one of the group consisting of nickel and cobalt which comprises soaking a porous catalyst support in a solution of a salt of one of the group consisting of nickel and cobalt which salt contains oxygen and sulphur and is directly reducible to sulphide, drying the impregnated support and heating at a temperature between 300° and 500° C. in a stream of reducing gas containing hydrogen but containing substantially no sulphur dioxide in order to convert the salt to sub-sulphide.

2,295,654
SHARPENER FOR CLOTH CUTTING MACHINES
John B. Gury, Jr., Richmond Heights, Mo., assignor to J. B. Gury Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application March 31, 1941, Serial No. 386,004
10 Claims. (Cl. 51—246)



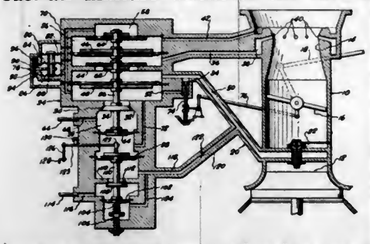
2. In a cloth cutting machine having a motor and a reciprocating knife driven by the motor, a sharpener for the knife including abrasive belts for engaging opposite sides of the knife, two pair of spaced pulleys carrying the belts, and power transmission means for operatively connecting one of the pulleys in each pair to the motor, the other pulley in each pair being resilient and having a non-circular periphery.

2,295,655
QUATERNARY AMMONIUM COMPOUNDS AND METHOD OF PRODUCING THE SAME
Winfrid Hentrich, Dusseldorf-Reisholz, Wilhelm Kaiser, Dessau in Anhalt, and Werner Reuss, deceased, late of Dusseldorf-Benrath, Germany, by Elfriede Reuss, widow and sole heir, Dusseldorf-Benrath, Germany; Carl-Heinz Winkler, administrator of Werner Reuss, deceased, assignors, by mesne assignments, to "Patchem A.-G. Zur Beteiligung an Patenten und Sonstigen Erfindungsrechten auf Chemische Verfahren," Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application April 8, 1938, Serial No. 200,839½. In Germany April 13, 1937
5 Claims. (Cl. 260—561)

1. A quaternary ammonium compound of the general formula $R.R_1.R_5.N.Y.R_2.CO.NH.R_3$ in which R_1 and R_2 each represent a member of the group consisting of hydrogen and the hydrocarbon radicals containing 1 to 3 carbon atoms, R_5 represents a hydrocarbon radical, Y represents a mineral acid radical, R_2 represents an alkylene group containing 2 to 4 carbon atoms and R_3 represents a hydrocarbon radical containing 6 to 18 carbon atoms.

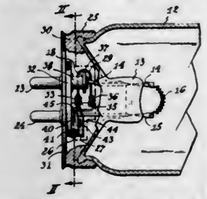
2,295,656
FUEL METERING DEVICE
Donald S. Hersey, West Hartford, and Arthur E. Smith, Manchester, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 24, 1940, Serial No. 331,448
1 Claim. (Cl. 261—18)

An engine fuel supply system comprising, an air intake, a venturi in said intake for measuring the quantity of air flowing therethrough, a fuel supply line, means responsive to the air flow through said venturi and the fuel flow through said supply line for proportioning the quantity of fuel to the quantity of air, a nozzle for injecting said fuel into the air stream, an economizer device for increasing the proportion of fuel in the fuel-air mixture whenever the rate of fuel



flow exceeds a predetermined value, means for injecting an anti-detonation ingredient into the fuel supply ahead of said nozzle, means for withholding said ingredient until the fuel flow rate reaches a predetermined value, and valve means actuated by the fluid pressure of said fuel for proportioning the quantity of said ingredient to the quantity of fuel after said predetermined rate of fuel flow has been reached.

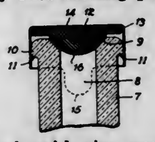
2,295,657
FLUORESCENT LAMP STARTER UNIT
Charles H. Hodgkins, Fairfield, Conn., assignor, by mesne assignments, to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application May 24, 1941, Serial No. 395,013
7 Claims. (Cl. 176—124)



1. The combination of an electric discharge device comprising an envelope having a gaseous atmosphere therein, separated electrodes in said envelope, means comprising a source of domestic potential and a shunt circuit connected in series through said electrodes for raising said electrodes to electron emitting temperature, separable contacts in said shunt circuit having means associated therewith tending to separate said contacts in consequence of current flow and magnetic means opposing separation of said contacts and delaying ultimate separation thereof.

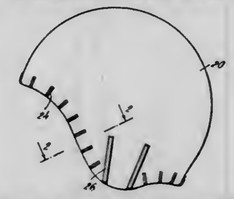
2,295,658
CLOSURE WITH HEMISPHERICAL LINER
Emerson E. Hogg, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 3, 1939, Serial No. 277,197
2 Claims. (Cl. 215—42)

2. The combination with an ampule having a neck provided with a neck opening and an exterior shoulder, the top of said neck being formed with a recessed mouth surrounding said opening and with a flat annular rim surface intermediate said mouth and the exterior periphery of said neck, of a compressible sealing member consisting of a flat rim portion for cooperating with said rim surface and a protuberant central body portion for seating upon said mouth, the thickness of said body portion opposite said mouth being sufficient to dispose said rim portion normally in spaced relation to said rim surface when said body portion is initially placed in contact with said mouth, said sealing member being compressed vertically into sealing position with said



body portion and said rim portion thereof in continuous sealing engagement with said mouth and said rim surface, and a frangible retaining cap cooperating with said shoulder for securing said sealing member in said sealing position, said rim portion being substantially relieved of sealing pressure and assuming its normal position by expansion of said body portion when said cap is removed, whereby to facilitate grasping thereof for manual lifting movement to break the seal between said body portion and said mouth.

2,295,659
BATHING CAP
Thomas J. Howland, Long Branch, N. J.
Application June 29, 1940, Serial No. 343,113
8 Claims. (Cl. 2—68)

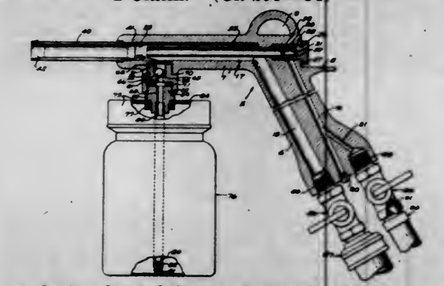


1. An article of apparel comprising a hollow body having an opening therein and an elastic portion around the opening, the elastic portion gradually increasing in thickness toward the opening, and a plurality of ribs on the outside of the body spaced along said edge and extending generally transversely thereof, the ribs acting to curve said elastic portion transversely when it is stretched and thereby cause the median part thereof to bulge outwardly.

2,295,660
METHOD OF IMPROVING THE HEAT STABILITY OF POLYVINYL CHLORIDE ARTICLES
Emil Hubert, Dessau-Ziebigk, Herbert Rein, Leipzig, and Karl Rössler, Berlin-Karlshorst, Germany; vested in the Alien Property Custodian
No Drawing. Application July 6, 1939, Serial No. 283,048. In Germany July 6, 1938
1 Claim. (Cl. 8—115.5)

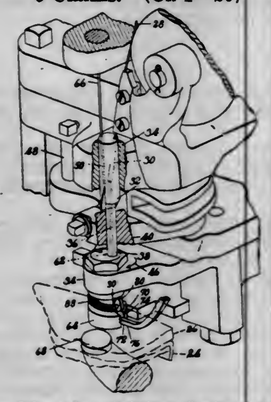
A method of raising the softening point of artificial threads spun from polyvinyl chloride containing 56% of chlorine which consists in subjecting said threads at room temperature to the action of an atmosphere of moist gaseous chlorine for 24 hours to thereby raise the temperature at which the threads begin to shrink from 70° C. to 95° C.

2,295,661
APPARATUS FOR SPRAYING LIQUID
Donald P. Hunter, Los Angeles, Calif., assignor to Turco Products, Inc., Los Angeles County, Calif., a corporation of California
Application October 7, 1940, Serial No. 360,022
1 Claim. (Cl. 299—84)



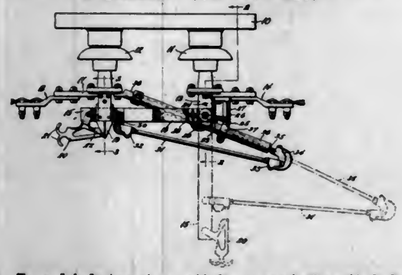
A device for mixing and spraying fluids comprising a body having a fluid passageway therein, a fluid inlet discharging tangentially into the inlet end of said fluid passageway, a restricted outlet tube detachably mounted in and concentric with the discharge end of the fluid passageway, a fluid passing tube mounted concentrically in the fluid passageway and having its discharge end adjacent to but spaced inwardly from the restricted outlet whereby to provide a mixing chamber therebetween, an aspirating passageway in the body communicating with the fluid passageway at a point adjacent the mixture chamber, a solution reservoir, means establishing communication between the solution reservoir and the aspirating passageway, a ball check valve in the aspirating passageway adapted to be actuated by pressure differential between the discharge end of the aspirating passageway and the reservoir, and means for regulating flow of fluid through said fluid passageway whereby to vary said pressure differential.

2,295,662
FASTENER FORMING AND INSERTING MACHINE
Cyril Harry James, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 5, 1940, Serial No. 359,922
In Great Britain October 24, 1939
9 Claims. (Cl. 1—20)



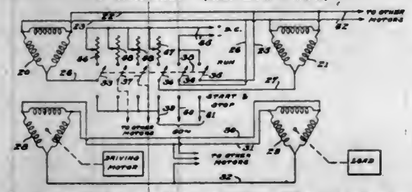
1. A machine for driving fasteners into shoe parts, comprising a throat provided with a passage for receiving a fastener having an inclined lower end, a latch having an abutment surface constructed and arranged to be engaged by said lower end of the fastener in order to rotate the fastener to a predetermined position in said passage preparatory to driving the fastener, and means for driving the fastener, said latch being movable, under pressure of the fastener being driven, to a predetermined stop position in which said abutment surface of the latch is approximately continuous with adjacent portions of the passage and constitutes a rigid portion of said passage for guiding the fastener.

2,295,663
HIGH TENSION ELECTRICAL SWITCH
Tomlinson F. Johnson, Atlanta, Ga.
Application March 26, 1940, Serial No. 326,110
2 Claims. (Cl. 200—146)



1. In a high tension, stick-operated switch having a pivoted blade and spring biased locking jaws, a bracket carrying said jaws; a combination operating and prying lever on the blade tip; a conductor rod adjustably and pivotally connected to the blade near the tip and projecting rearwardly; a renewable arcing plunger pivotally and adjustably connected to said conductor rod and projecting forwardly at an acute angle thereto toward said jaw bracket; an arcing socket on the bracket having a bore to receive the end of the plunger so that the plunger will remain in contact with the socket until after the blade contact is broken; and an insulating and guiding tube for the plunger secured to the socket to cause the arc to be drawn and extinguished with an explosive effect.

2,295,664
MOTOR DRIVE SYSTEM
Edward W. Kellogg, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 21, 1939, Serial No. 310,365
3 Claims. (Cl. 172—293)

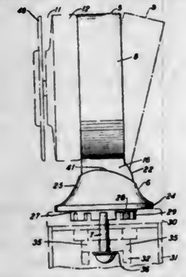


2. In a drive system a plurality of electrodynamic machines each provided with polyphase primary and secondary circuits, means for interconnecting said secondary circuits, alternating current supply terminals, direct current supply terminals, means for connecting said primary circuits to one or the other of said terminals, and means for drivng one of said machines.

2,295,665
PROCESS FOR THE MANUFACTURE OF DIBROMOFLUORANTHENES
Walter Kern, Sissach, and Theodor Holbro and Richard Tobler, Riehen, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 23, 1939, Serial No. 275,326. In Switzerland May 28, 1938
2 Claims. (Cl. 260—649)

1. Process for the manufacture of dibromofluoranthenes, comprising reacting fluoranthene with an appropriate proportion of bromine in presence of nitrobenzene.

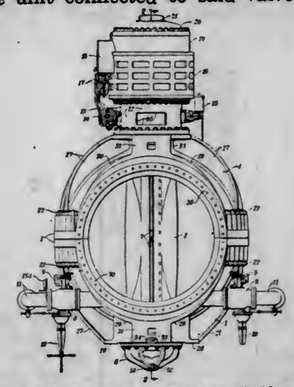
2,295,666
ADJUSTABLE SUPPORT FOR DIAL DEVICES
Douglas H. King, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 15, 1941, Serial No. 393,678
3 Claims. (Cl. 248—346)



3. A support for a dial device comprising in combination, a casing adapted to support said device, apertured disc portions extending from said casing in parallel spaced relation, sets of teeth formed on the lower edges of said disc portions, a pedestal for said casing, a neck portion on said pedestal hollowed out to accommodate said disc portions, arcuate rows of teeth formed in said pedestal adapted to mesh with the teeth on said disc portions, cavities formed in two opposite side walls of said neck portion, a shaft journalled in said disc portions, said shaft being transversely drilled and tapped and having its end portions supported in said cavities, a toothed ring portion extending downward from the lower portion of said pedestal, a toothed plate adapted to receive said ring portion and serve as a rest for said pedestal, a bracket supported on the lower surface of said plate and a screw extending through said bracket and said plate and into said pedestal, said screw being in threaded engagement with said shaft and serving in cooperation with said bracket and said shaft to releasably hold said casing in toothed engagement with said pedestal and said pedestal in toothed engagement with said plate.

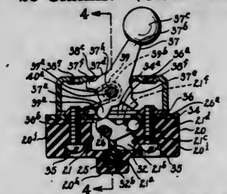
2,295,667
HYDRAULIC ROTOR OPERATED BUTTERFLY VALVE
Phillip A. Kinzie, John L. Savage, and Merle E. Nantz, Denver, Colo., assignors to Universal Hydraulic Corporation, Denver, Colo., a corporation of Colorado
Original application June 13, 1935, Serial No. 26,386, now Patent No. 2,152,651, dated April 4, 1939. Divided and this application February 7, 1939, Serial No. 254,996
17 Claims. (Cl. 137—139)

1. In a valve, the combination with a casing having a throughway for fluid, of a valve element pivotally supported within said casing for controlling the flow of fluid in said throughway, a torque unit connected to said valve element,



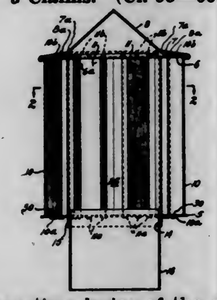
means for equalizing pressures at the upstream and downstream sides of said valve element, and means responsive to said equalized pressures for actuating said torque unit.

2,295,668
ELECTRIC SWITCH
Alvin W. Krieger, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application March 27, 1941, Serial No. 385,398
23 Claims. (Cl. 200—16)



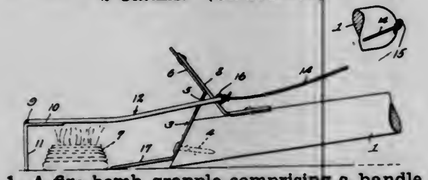
1. In an electric switch of the slow break type, in combination, a molded insulating base having a recess formed therein and opening to the upper surface thereof, substantially U-shaped contactors positioned within said recess, coiled compression springs interposed between the bottom wall of said recess and the connecting portions of the contactors respectively positioned therewithin whereby said contactors are normally biased toward their upper extreme positions, a flat plate of insulating material reciprocable vertically within said recess, said plate being positioned between the arms of said contactors and adapted to seat against the connecting portions of the latter, a cam member loosely pivoted within said recess and having a lower edge portion engaged with the upper edge portion of said plate, said cam member being pivotally movable downwardly within said recess to provide for depression of said plate and said contactors against the bias of said springs, stationary contacts positioned within said recess for engagement by the respective contactors in the upper extreme positions of the latter, said contacts having portions loosely seated upon the upper surface of said base in a relation to prevent lateral displacement with respect thereto, and an insulating member engaging the upper surface of said base to retain all of the aforementioned parts in assembled relation.

2,295,669
EXHAUSTER
Charles H. Laws, Los Angeles, Calif.
Application October 22, 1940, Serial No. 362,239
5 Claims. (Cl. 98—66)



1. An exhausting device of the class described comprising top and bottom cover plates each having radially spaced rows of slots therethrough, radially spaced rows of air deflecting panels, ears formed on the respective ends of the panels for detachably engaging said slots, the panels of each row being circumferentially spaced apart whereby to provide air passing openings between adjacent panels, and a central air-admitting opening through the bottom cover plate.

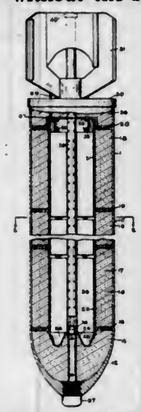
2,295,670
FIRE BOMB GRAPPLE
Cornelius Maloney, Lewiston, Maine, assignor to R. I. Mitchell, Inc., Auburn, Maine
Application May 25, 1942, Serial No. 444,417
2 Claims. (Cl. 294—49)



1. A fire bomb grapple comprising a handle, a body elongated transversely of the handle and secured intermediate its ends to the handle, a forwardly presented wing at the upper edge of the body, and a forwardly presented wing at the lower edge of the body, the lower wing and the body forming a shield which protects the feet and legs of an operator against bomb heat, the upper wing having an upward and forward slant, to direct bomb heat away from the upper part of the body of an operator, a combined bomb scraper and movable jaw located in front of the body, and means movably mounted on the body and assembled with the scraper and jaw for moving the jaw toward the body.

2,295,671
BOMB
Don B. McCloud, Carbondale, Ill., George A. Lewis, New Dorp, N. Y., and Christian G. Storm, Arlington, Va., assignors to the Government of the United States of America, as represented by the Secretary of War
Application May 9, 1939, Serial No. 272,568
2 Claims. (Cl. 102—2)

1. In a liquid oxygen explosive bomb comprising in combination, an outer casing, an inner liquid gaseous explosive container disposed within the outer casing in spaced relation therefrom, filling means providing communication between the interior of the container and atmosphere and vent means communicating with the rear end portion of the container and atmosphere extending laterally without the space occupied by



the outer casing and formed to present its exit communicating with atmosphere facing in the direction of the normal forward end portion of the bomb.

2,295,672
DEALKYLATION
Virgil E. Meharg, Bloomfield, N. J., and Kenneth W. Coons, Tuscaloosa, Ala., assignors to Bakelite Corporation, a corporation of New Jersey
No Drawing. Application September 14, 1937, Serial No. 163,798
3 Claims. (Cl. 260—621)

1. Process of phenolic dealkylation producing a phenol as the major end product of the reaction which comprises passing a mixture of hydrogen and an alkylated phenol over a catalyst heated to a temperature between 450° C. and 650° C., said catalyst comprising, in sufficient amount to catalyze the dealkylation reaction, a member of the group consisting of an oxide, sulphide and silicate of iron.

2,295,673
DEALKYLATION USING NICKEL SULPHIDE CATALYST
Virgil E. Meharg, Bloomfield, N. J., and Kenneth W. Coons, Tuscaloosa, Ala., assignors to Bakelite Corporation, a corporation of New Jersey
No Drawing. Original application September 14, 1937, Serial No. 163,798. Divided and this application January 28, 1942, Serial No. 428,624
3 Claims. (Cl. 260—621)

1. Process of phenolic dealkylation producing a phenol as the major end product of the reaction which comprises passing a mixture of hydrogen and an alkylated phenol over a catalyst heated to a temperature between 450° C. and 650° C., said catalyst comprising nickel sulphide in sufficient amount to catalyze the dealkylation reaction.

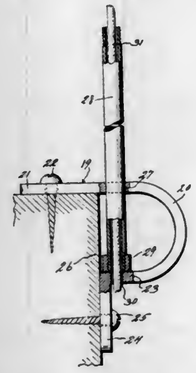
2,295,674
DEALKYLATION USING ALUMINUM COMPOUNDS AS CATALYSTS
Virgil E. Meharg, Bloomfield, N. J., and Kenneth W. Coons, Tuscaloosa, Ala., assignors to Bakelite Corporation, a corporation of New Jersey
No Drawing. Original application September 14, 1937, Serial No. 163,798. Divided and this application January 28, 1942, Serial No. 428,625
3 Claims. (Cl. 260—621)

1. Process of phenolic dealkylation producing a phenol as the major end product of the reaction which comprises passing a mixture of hydrogen and an alkylated phenol over a catalyst heated to a temperature between 450° C. and 650° C., said catalyst comprising, in sufficient amount to catalyze the dealkylation reaction, a member of the group consisting of the silicate, oxide and sulphide of aluminum.

2,295,675
DEALKYLATION USING BARIUM, CADMIUM, AND ZINC COMPOUNDS AS CATALYSTS
Virgil E. Meharg, Bloomfield, N. J., and Kenneth W. Coons, Tuscaloosa, Ala., assignors to Bakelite Corporation, a corporation of New Jersey
No Drawing. Original application September 14, 1937, Serial No. 163,798. Divided and this application January 28, 1942, Serial No. 428,626
3 Claims. (Cl. 260—621)

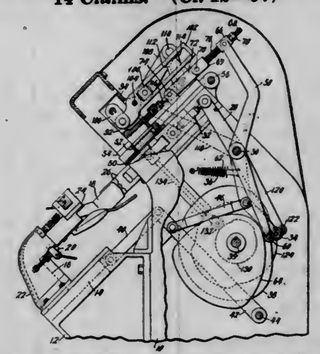
1. Process of phenolic dealkylation producing a phenol as the major end product of the reaction which comprises passing a mixture of hydrogen and an alkylated phenol over a catalyst heated to a temperature between 450° C. and 650° C., said catalyst comprising, in sufficient amount to catalyze the dealkylation reaction, a member of the group consisting of the silicates, oxides and sulphides of barium, cadmium, and zinc.

2,295,676
STANDARD SUPPORTING BRACKET
Lee R. Meyer, Alton, Ill.
Application March 8, 1941, Serial No. 382,440
2 Claims. (Cl. 248—40)



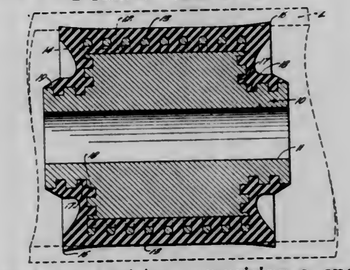
2. A standard supporting bracket, comprising a single length of flat band-like material bent transversely to form a relatively wide, open yoke, the yoke having a relatively long end and a shorter end, said shorter end terminating in a laterally directed foot extending away from and perpendicular to the longer end, the said longer end having an aperture therethrough for the reception of an end of a standard, and a socket body secured to the inner side of the said shorter end and coaxial with said aperture to threadably receive the end of the standard extended through the aperture, the said foot and the longer end being arranged to position against the intersecting surfaces of a supporting body to maintain said yoke outwardly from one surface and the foot and longer end having apertures for the reception of securing elements.

2,295,677
MACHINE FOR OPERATING ON SHOE UPPERS
Vernon H. Meyer, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 13, 1941, Serial No. 397,831
14 Claims. (Cl. 12—97)



1. In a machine for operating on shoe uppers, means for turning in a portion of the lasting margin to form an attaching flange, and means for trimming the in-turned flange to a predetermined contour.

2,295,678
MUD PUMP PISTON
Erwin E. Miller, Fullerton, Calif.
Application March 17, 1941, Serial No. 383,745
1 Claim. (Cl. 309—4)

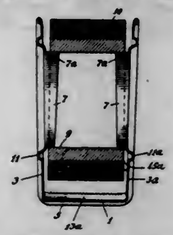


A mud pump piston comprising a one-piece body having on its periphery a multiplicity of substantially equally spaced flanges of substantially the same depth, said flanges and the spaces therebetween occupying substantially the entire external surface of the body of the piston from the end to end thereof, rubber or the like molded around and between the flanges, the rubber forming the entire cylinder-wall engaging surfaces of the piston and externally of the flanges being relatively thin as compared with the diameter of the piston, the flanges being perforated with aligned perforations and the rubber extending into the perforations so as to be effectively anchored thereto.

2,295,679
DISPENSING DEVICE
Francis X. Montbach, Highland Park, N. J., assignor to Industrial Tape Corporation, New Brunswick, N. J., a corporation of New Jersey
Application June 21, 1940, Serial No. 341,614
4 Claims. (Cl. 242—55.5)

1. A stamped sheet metal roll supporting and

dispensing device comprising a base and parallel sides extending integrally from said base, said sides being free at their outer ends for movement toward and from each other, means projecting inwardly from said sides adapted to fit within the core of a roll of tape for rotatably



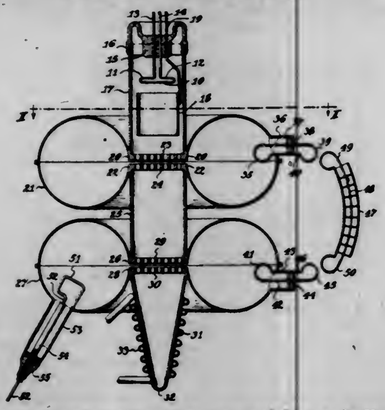
supporting a roll of tape therebetween, said supporting means projecting inwardly a greater distance at the free ends of said sides than at the base thereof to provide adequate support for said roll of tape upon spreading of said sides, and a cutting blade on said base.

2,295,680

ULTRA HIGH FREQUENCY DEVICE WITH CONICAL COLLECTOR

Ilia E. Mouromtseff, Montclair, and George M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 25, 1940, Serial No. 362,776
7 Claims. (Cl. 250—27.5)



1. A resonator structure comprising a hollow-body resonator having openings therethrough for the passage of electrons, and a hollow collector adjacent thereto, said collector being conical in shape with its apex at its end remote from said resonator.

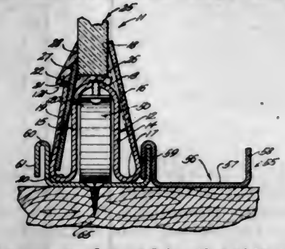
2,295,681

METAL SASH CASEMENT AND FRAME

Charles Richard Nagel, Los Angeles, Calif.

Application September 30, 1940, Serial No. 359,100
8 Claims. (Cl. 189—76)

1. A metal sash having side members each with an outwardly facing channel having a base and two opposite parallel sides, a first flange connected to one side by a reverse bend extending inwardly beyond the base, a second flange connected to the other side by a reverse bend and having an outward curl positioned slightly inwardly of the base, each flange converging to-



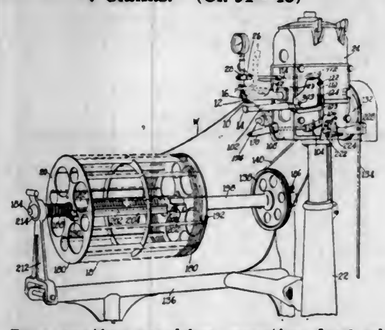
wards the corner formed by the side to which it is attached and the base.

2,295,682

MACHINE FOR PREPARING WELTING

John R. Oliver, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application August 21, 1940, Serial No. 353,520
7 Claims. (Cl. 91—43)



1. In a coating machine, coacting feed wheels engaging a portion of the width of a strip of beveled-edge welting, a notched guide to the rear of said feed wheels, considered with respect to the direction of feed, means for pressing the welting into the notch of said guide, and coating means including an extruding nozzle having an inclined surface provided with an outlet opening and positioned closely adjacent to the bite of said feed wheels and arranged to apply a coating material to the beveled edge of said welting.

4. In a machine for applying coating material to a strip of welting, a coating nozzle having a lateral outlet, a displaceable strip-support adjacent thereto, a guide for both edges of the welting to the rear of said nozzle, considered with respect to the direction of feed, a reeling device forward of said feed wheels, a drive shaft to which power is supplied, a driving connection between said shaft and the reeling device, said connection including a clutch, and operator-controlled means for moving said strip-support to carry the welting into coating engagement with the lateral outlet of said nozzle and for closing said clutch to drive the reel.

2,295,683

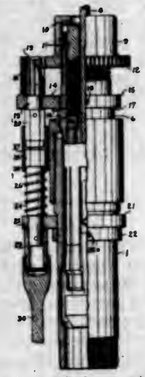
ADJUSTER

Fred N. Osmun, Houston, Tex.

Application May 15, 1941, Serial No. 393,593
5 Claims. (Cl. 286—16)

1. The combination with a line wiper having

a passageway therethrough for a line and having sealing means therein to form a seal about the line and an adjusting nut threaded onto the wiper for applying a compressive force to, and for relieving the same from, the sealing means,



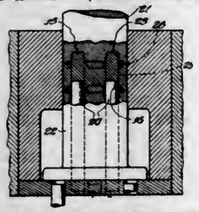
of a gear on the nut, a pinion rotatably mounted on the wiper and in mesh with the gear, means through which the pinion is rotated, said pinion and pinion rotating means being mounted to be relatively revolved about the axis of the wiper into alignment when misaligned.

2,295,684

METHOD OF MAKING TOY BUILDING BLOCKS

Nils I. Paulson, Chicago, Ill., assignor to Halsam Products Company, Chicago, Ill., a corporation of Illinois

Original application June 6, 1939, Serial No. 277,663. Divided and this application November 9, 1939, Serial No. 303,654
2 Claims. (Cl. 144—309)



1. In the herein described method of making a wooden toy building block having a dowel projecting from one block surface and a socket entering from the opposite block surface comprising the steps of partially dislodging a bundle of fibers in the direction of the grain of the wood and moving said bundle a distance less than the length of the bundle to form a dowel projecting from one surface of the block, applying end pressure to said dislodged bundle to increase the frictional holding engagement between the unprojected portion of said bundle and the wall portion of the bundle space created by such dislodgment, and utilizing such frictional holding engagement as the sole means for permanently preventing further dislodgment of said bundle with respect to said block.

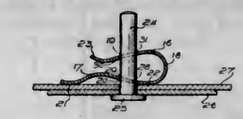
2,295,685

SHEET METAL NUT OR THE LIKE

Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.

Application August 16, 1940, Serial No. 352,956
13 Claims. (Cl. 85—36)

1. A sheet metal spring nut, comprising a strip of resilient metal bent intermediate its ends to cause end portions of the strip to lie one above the other in spaced relation, said portions converging toward each other and provided with apertures having unbroken walls normal to flat



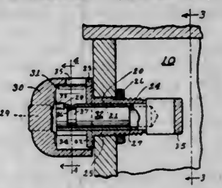
top and bottom surfaces of said portions, one of said portions being shaped to provide external bearing surfaces disposed at opposite sides of the aperture therein in a common plane perpendicular to a line passing through the centers of said apertures.

2,295,686

VALVE ACTUATING LEVER

Herman E. Pleasant, Grand Rapids, and Fred M. Keller, Holland, Mich., assignors to Crampton Manufacturing Company, Holland, Mich., a corporation of Michigan

Application November 21, 1941, Serial No. 419,930
4 Claims. (Cl. 4—67)



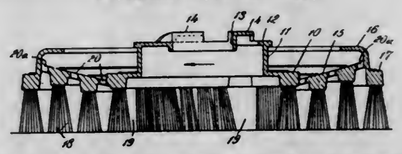
1. In a device of the class described, a tubular fixture adapted to be fixedly secured through the wall of a tank, said fixture having a flanged head provided with a laterally projecting lug; a handle having a chambered head rotatable on the flanged head of the fixture, said chambered head having a spindle spacedly encircled by the wall thereof which wall is provided with a notch spacedly embracing the lug for limiting the rotative movement of the handle relative to the fixture; an actuating lever having one end thereof projected through the tubular fixture into engagement with the spindle; and means for securing the lever and spindle together.

2,295,687

BRUSH

Robert A. Ponselie, New York, N. Y.

Application September 14, 1939, Serial No. 294,831
5 Claims. (Cl. 15—180)



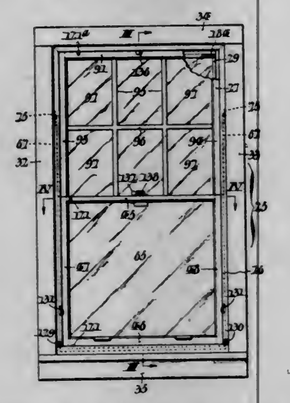
1. A rotary brush which comprises a back having an upper surface which has a generally upward slope from near the central area thereof toward the periphery, tufts of bristles anchored in the under surface of the back with certain of the tufts lying beneath said sloping surface, and a plurality of passages leading through the back and having inlets in said sloping surface and outlets in said under surface among the tufts, fluid discharged upon the back flowing through the passages.

2,295,688
CLOSURE AND OPENING MEANS FOR RECEPTACLES
Herman E. Reinhardt, Jr., Wood-Ridge, N. J., assignor to Midway Chemical Co., Jersey City, N. J., a corporation of New Jersey
Application July 15, 1940, Serial No. 345,621
1 Claim. (Cl. 220—27)



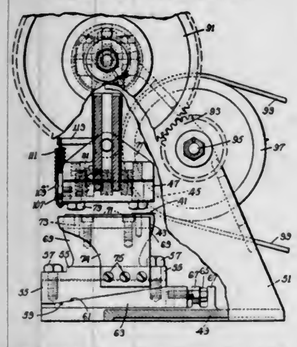
In a device of the character described, in combination; a spout having an externally uninterrupted flange at the outlet end, a frangible seal within said spout, said flange being continuous and extending above and surrounding said seal, a cap for said spout having a closed wall at one end thereof, interengaging means between the spout and cap inwardly of said flange, a seal-rupturing projection of approximately the same diameter as the bore of the spout extending longitudinally from said wall, and a second flange, said second flange extending longitudinally from said wall and being continuous about said projection, the inside diameter of said second flange being substantially the same as the outside diameter of said first flange, said projection and second flange being of approximately the length of the first flange, whereby when said cap is reversed, said first and said second mentioned flanges coact to guide said projection to and through said seal to rupture the same and engage each other to reshape the outlet of the spout if distorted.

2,295,689
WINDOW CONSTRUCTION
Henry N. Renton, Wyncote, Pa., assignor to The American Pulley Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 1, 1940, Serial No. 338,416
8 Claims. (Cl. 189—72)



1. A window structure comprising a frame with sash guide rails at the inner sides of its jambs; a sliding sash recessed at its opposite side edges to engage over the respective guide rails, the recess at one side edge of the sash being deeper than the recess at the opposite side edge so that the sash can be shifted laterally and thereafter maneuvered for removal from within the frame; and retractable elements within hollows of the sash frame normally closing a portion of the deeper side recess of the sash, said means affording a bearing surface for the edge of the corresponding guide rail, while the bottom of the recess at the other side of the sash similarly bears on the edge of the guide rail at that side of the frame.

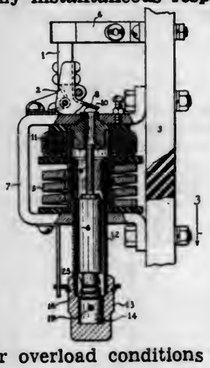
2,295,690
MACHINE FOR TREATING COUNTERS
Arthur L. Russell, Boston, and William M. Watson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Original application December 5, 1938, Serial No. 243,996. Divided and this application May 1, 1940, Serial No. 332,788
9 Claims. (Cl. 12—61)



1. A machine for forming in the inturned flange of a molded counter stiffener creases which extend lengthwise of said flange, said machine having in combination a pair of dies having corrugations so constructed and arranged that the ridges of the corrugations of one die register with the valleys of the corrugations of the other die, means for positioning a counter stiffener upon one of the dies with the ends of its inturned flange extending lengthwise of the corrugations of said die, and means for causing relative movement of approach of the dies in a path which is substantially perpendicular to their operative faces.

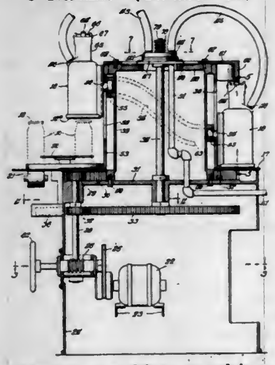
2,295,691
OVERLOAD PROTECTIVE DEVICE
Frank J. Russell, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application June 24, 1941, Serial No. 399,558
5 Claims. (Cl. 200—97)

1. In a circuit breaker, in combination, a switch, an overload tripping solenoid therefor, and a dash pot mechanism associated with said solenoid including a fluid containing dash pot, a piston movable within said dash pot and having a spring operating connection between the same and said operating solenoid, and a valve mechanism associated with said piston and controlled by said spring operating connection to provide for delayed response of said solenoid under overload conditions below a predetermined value, and for substantially instantaneous response of said



solenoid under overload conditions in excess of said value.

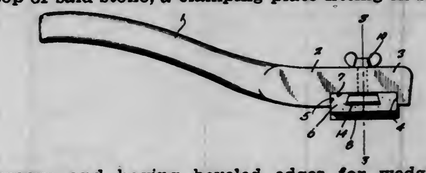
2,295,692
VACUUM PACKING MEANS OR THE LIKE
Stanley Safranski, Chicago, and Richard Millenaar, Oak Park, Ill., assignors to The Aridor Company, Chicago, Ill., a corporation of Illinois
Application August 19, 1939, Serial No. 290,948
9 Claims. (Cl. 226—82)



1. In a vacuum packing machine, the combination with a base having a stationary turret thereon and a valve block on the upper surface of said turret, of a turntable having a turret part telescoping said stationary turret, a central shaft, a revolving header mating with said valve block and keyed to the central shaft, a large gear within the base keyed in driving relation to said shaft, a gear ring fixed to said turntable, a common shaft having spaced apart pinions engaging said gear and said gear ring, and a motor within the base in driving relation with said common shaft.

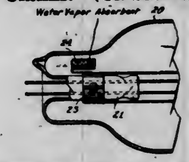
2,295,693
ABRADING IMPLEMENT
Wallace D. Seigh, Johnstown, Pa.
Application April 7, 1942, Serial No. 438,025
1 Claim. (Cl. 51—205)

An abrading implement for dressing down screw threads comprising a bar-like handle terminating in a flat bottomed head having a socket in said bottom provided with front and rear walls extending at right angles to said bottom, a rectangular abrading stone fitting in said socket and provided with bottom ribs extending longitudinally of the implement and of V shape in cross-section for fitting between threads to be dressed, and means to detachably secure said stone in said socket, said means comprising a dovetail groove extending transversely across the top of said stone, a clamping plate fitting in said



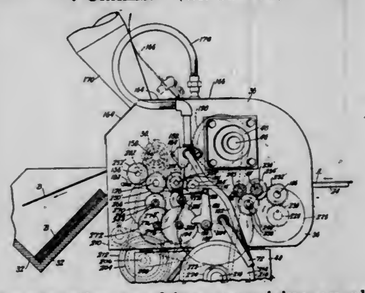
groove and having beveled edges for wedging coaction with the sides of said groove under adjustment of the plate toward said head, and a set screw extending through said head and threaded into the center of said plate for adjusting the same upwardly.

2,295,694
WATER VAPOR GETTER
Charles Morse Slack, Glen Ridge, and Louis Frederick Ehrke, Newark, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1941, Serial No. 398,746
9 Claims. (Cl. 250—27.5)



9. In combination with a lamp or like envelope, a water vapor absorbing getter comprising alumina sealed in said envelope and effective therein during use of the lamp for absorbing water vapor during life of the lamp.

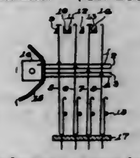
2,295,695
ABRADING MACHINE
Ernest W. Stacey, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 1, 1940, Serial No. 349,161
7 Claims. (Cl. 51—78)



1. An abrading machine comprising an abrading roll, means for feeding a work-piece past said abrading roll, the axis of the roll being in skewed relation to the direction in which the work-piece is fed by the feeding means to provide an axial component of relative movement between the abrasive surface of the roll and the work-piece, a plurality of rows of individually

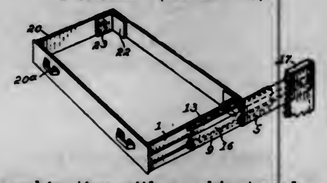
yieldable presser fingers extending parallel to the axis of the roll, the fingers of one row being staggered with relation to the fingers of another row, and pneumatic means acting upon said fingers to cause the fingers to press the work-piece against the roll.

2,295,696
JACQUARD LOOM
Hans Stoehr, Philadelphia, Pa.
Application July 27, 1939, Serial No. 286,823
11 Claims. (Cl. 139—59)



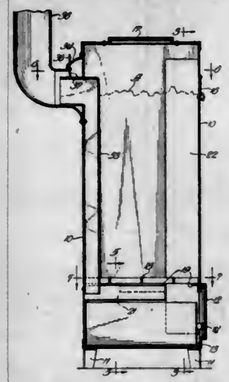
1. A Jacquard loom, comprising the combination of a pair of elevatable knife grates movable in the same vertical plane and at times being in the same horizontal plane, a vertically movable hook grate, a set of hooks engageable with said knife grates and adapted to rest upon and to be moved by said hook grates, a needle for each hook, a card to control the movement of each needle-and-hook unit, and means to shift said knife grates independently of each other and independently of said hook grate.

2,295,697
SECTIONAL GUIDE FOR CABINET DRAWERS
Nicholas Sulentic, Waterloo Township, Blackhawk County, Iowa
Application July 22, 1940, Serial No. 346,688
1 Claim. (Cl. 45—77)



The combination with a cabinet and a drawer, the drawer having a transverse hole in a side wall thereof, of slides composed of inner members connected to the drawer and outer members similar to the inner members and connected to the cabinet, the slide on the drawer having an inturned lug at the inner end and the slide on the cabinet having an inturned lug at its outer end, each slide having a hole therethrough spaced narrowly from the adjacent lug, a central member composed of a pair of similar parts having their backs secured together and shaped to engage each of said inner and outer members, leaf springs secured at one end of each to the front and rear opposite walls of the central member respectively with their free ends directed oppositely thereon relative to each other and the leaf springs cooperating with the lugs to function as stop means for normally preventing complete removal of the drawer from the cabinet, whereby when certain of the inner and outer members are extended relative to each other to locate the hole in one member opposite to the free end part of the underlying spring of the abutting member, a tool may be passed through the inner end of the hole in said side wall and the hole in the abutting outer member to compress the adjacent spring to thus release its free end from the abutting lug, permitting separation of said central member from the adjacent side member and also from the drawer.

2,295,698
STOVE
Eugene J. Ther, Chicago, Ill.
Application May 6, 1940, Serial No. 333,545
8 Claims. (Cl. 126—73)

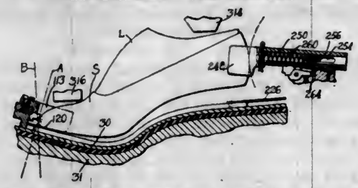


1. A stove for burning coal or the like, wherein said fuel burns from the top downwardly, comprising a housing, a grate disposed therein and defining a fuel chamber and an ash pit, a chimney section adjacent the top of said housing, means for admitting coal to the fuel chamber through the top of said stove housing, a vertically arranged air inlet pipe disposed within the housing and in heat conducting relation to the fuel chamber, the air inlet opening of said pipe being below the level of the grate and the top of the pipe being above the top level of the coal when the stove is in operation, a vertically arranged gas outlet pipe disposed within the housing and in heat conducting relation to the fuel chamber, the bottom of said gas outlet pipe being slightly below the grate and the upper portion of said gas outlet pipe communicating with said chimney section, a valve in said chimney section, valve means for controlling the amount of air admitted to the air inlet pipe, and means, in the upper part of said stove housing, defining an opening at approximately the level of the top of the gas outlet pipe and through which the coal may be ignited, and means for closing said last-mentioned opening.

2,295,699
PROCESS OF FINISHING TEXTILES
William J. Thackston, Haddon Heights, N. J., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application June 1, 1938, Serial No. 211,177
3 Claims. (Cl. 8—136)

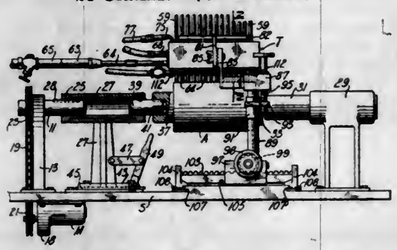
1. The process of finishing textiles which comprises padding a textile material through an aqueous finishing bath having suspended therein emulsified particles of a resinous material selected from organic solvent-soluble urea-formaldehyde monohydric aliphatic alcohol condensates and polymers of methyl and ethyl esters of acrylic and methacrylic acids and having also suspended therein discrete particles of a soft, non-hardening, non-drying resin containing sebacic acid reacted with glycerine, which non-hardening resin is separately emulsified in a particle size of less than 0.5 micron in a medium of a pH between 6.6 and 8.2, said finishing bath having a total resin content of less than 5% by weight, and thereafter drying said padded textile material.

2,295,700
DEVICE FOR USE IN APPLYING PRESSURE TO SHOE BOTTOMS
Eliot M. Wadsworth, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 5, 1941, Serial No. 377,530
10 Claims. (Cl. 12—33)



1. A pad box for use in applying pressure to shoe bottoms having, in combination, a sole receiving pad, a gage for locating an end portion of a sole on the pad, another gage for positioning the corresponding end portion of a shoe relatively to the sole, and means arranged to engage the shoe and sole and to hold the end portion of the shoe out of engagement with the sole before pressure is applied to the sole and shoe but to permit said engagement when pressure is applied.

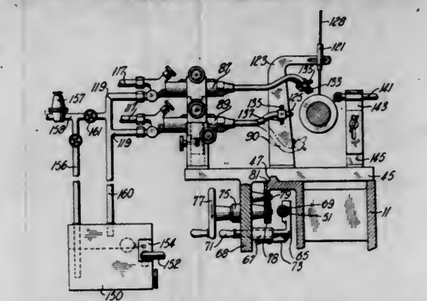
2,295,701
METHOD AND APPARATUS FOR APPLYING METAL COATINGS
Robert Luther Wagner, Niagara Falls, N. Y., assignor to Haynes Stellite Company, a corporation of Indiana
Application September 1, 1939, Serial No. 292,988
28 Claims. (Cl. 117—46)



1. Process of forming a uniform metallic overlay of a surfacing metal upon the surface of an article, which comprises concurrently guiding a plurality of closely-spaced bodies of the surfacing metal into contact with said surface within an elongated narrow welding zone on said surface, while effecting relative movement at a uniform rate between said surface and each of said bodies of surfacing metal in a direction transversely of the length of said elongated welding zone and bringing successive portions of said surface into contact with said bodies within said welding zone, directing a plurality of closely-spaced welding flames against the successive portions of said surface within said elongated welding zone and against the lower portions of each of said bodies of surfacing metal, and during said relative movement of said surface and said bodies of surfacing metal, maintaining substantially uniform the rate of melting of the respective metal bodies against which the flames are directed, thereby controlling the thickness of the metallic overlap thus deposited.

27. Apparatus for applying a welded-on overlay upon a metal article comprising means for supporting such article with a portion of the surface thereof in position to receive such overlay; means for directing upon a selected zone on said surface a plurality of closely-spaced welding flames arranged in a long and narrow row; means for directing a plurality of closely-spaced welding rods in unison into said flames and against said surface; means for effecting relative movement between said flame-directing means and said rod-directing means as a unit, and said surface in a direction transversely of the length of said row of welding flames; and means for effecting relative movement between said flame-directing means and said rod-directing means as a unit, and said surface in a direction lengthwise of said row of welding flames.

2,295,702
METHOD OF AND APPARATUS FOR APPLYING METAL COATINGS
William Arthur Wissler, Niagara Falls, N. Y., assignor to Haynes Stellite Company, a corporation of Indiana
Application September 1, 1939, Serial No. 292,989
22 Claims. (Cl. 117—46)



1. A method of forming a metallic coating upon an elongated metal surface of revolution, comprising: rotating said surface at a uniform speed about a longitudinal axis while the uppermost portion of said surface is substantially horizontal; applying a welding flame against such rotating surface to define a welding zone, such flame providing sufficient heat to melt a body of such coating metal and to heat such surface to a welding temperature; feeding a body of such coating metal into said flame and against said rotating surface, thereby melting portions of said body of coating metal and depositing the molten metal upon and welding the same to successive portions of said surface as such surface portions pass said flame and said body of coating metal; moving said welding flame and said body of coating metal in unison along said surface in a direction longitudinally thereof while said surface is rotating and said molten metal is being deposited on and welded to said surface, thereby producing a continuous spiral deposit of metal upon said surface; and so correlating the intensity of said welding flame, the rate of rotation of said surface, and the rate of movement of said welding flame and said body of coating metal along said surface, that said spiral deposit is of substantially uniform width and thickness throughout, and the adjoining convolutions of the spiral deposit are sufficiently close together to provide

a continuous and substantially uniform metallic coating upon said surface.

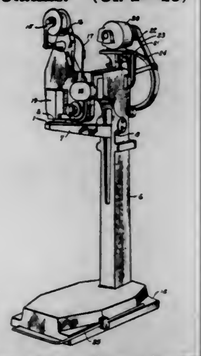
16. Process for forming a uniform surface coating of wear-resistant alloy upon the cylindrical surface of a metal article, which comprises rotating said article, directing a preheating carburizing flame along a spiral path on the surface of said article, said last-named flame providing sufficient heat to raise successive thin surface portions of the metal of said article to a welding temperature, adjacent convolutions of said spiral path having overlapping side margins, preheating a body of said coating alloy by means of a carburizing flame providing sufficient heat to melt a thin film of said coating alloy, contacting said film of molten coating alloy with said heated surface portions of the article, thereby welding the preheated coating alloy to said preheated surface portions, in the presence of a carburizing flame, along a spiral path coinciding with the first-named spiral path, while preventing excessive interalloying of the metals of the coating alloy and of the article acting to soften the deposited metal.

2,295,703

METHOD AND MEANS OF ATTACHING THERMOMETER TUBES TO BASES

Ralph C. Wappner, Springfield, Ohio, assignor to The Ohio Thermometer Company, Springfield, Ohio, a corporation of Ohio

Application April 29, 1940, Serial No. 332,306
4 Claims. (Cl. 1—15)



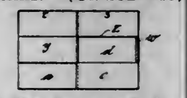
1. The method of securing a thermometer tube to a base which consists in placing the base and tube on a yieldable support, driving the prongs of a staple into the base until the bight of the staple embraces the tube and is in contact therewith, the resistance of said yieldable support being less than the resistance of said tube against breakage by the force exerted in driving the staples to cause the bight of the staple to embrace the tube.

2,295,704

FOLDER

Stuart Edward Wade, Hampton, and Alexander Moulton, Garden Vale, Victoria, Australia

Application September 4, 1941, Serial No. 409,490
In Australia November 6, 1940
2 Claims. (Cl. 281—43)



1. A folder of the type and for the purpose specified, consisting of four panels of equal width each foldably connected to its adjoining panel, a flexible link connected to the inner edge of each outer panel, and a transverse slot extending across the full width of the inner pair of panels, said link extending from one of said inner edges outwardly across one end panel folded inwardly down on its adjoining panel and thence through said slot then across the face of the other end panel folded outwardly down on its adjoining panel and finally to the other of said inner edges.

2,295,705

PROCESS OF PREPARING TERPINE HYDRATE

Albert Weissenborn, Dessau, Germany; vested in the Alien Property Custodian

No Drawing. Application August 24, 1938, Serial No. 226,587
4 Claims. (Cl. 260—630)

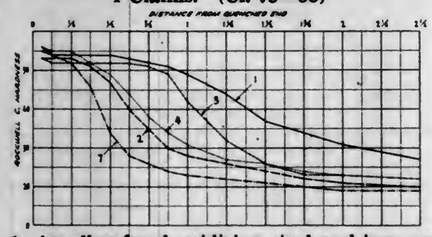
1. The process of preparing terpine hydrate which comprises treating turpentine oil with dilute mineral acid selected from the group consisting of sulfuric, nitric and phosphoric acid in the presence of an emulsifying agent active in an acid medium selected from the group consisting of polyglycol ethers of a higher aliphatic alcohol, of abietyl alcohol and of an alkyl phenol.

2,295,706

ALLOY FOR TREATMENT OF STEEL

George F. Comstock, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

Application June 17, 1941, Serial No. 398,425
4 Claims. (Cl. 75—58)



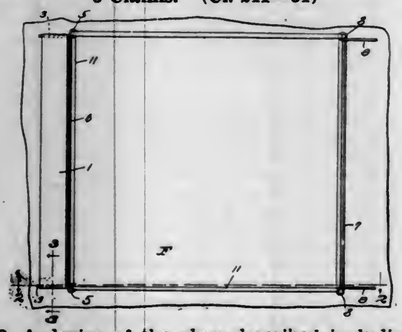
1. An alloy for deoxidizing steel and iron, said alloy containing 0.25 to 5% boron, 5 to 25% titanium, 5 to 25% aluminum, 5 to 30% manganese, 10 to 40% silicon, and the remainder being principally iron with a small amount of carbon and other impurities.

2,295,707

HAT HOLDER

Henry F. Beeman and Robert L. Cruit, Denver, Colo.

Application January 15, 1942, Serial No. 426,932
3 Claims. (Cl. 211—31)



2. A device of the class described including a

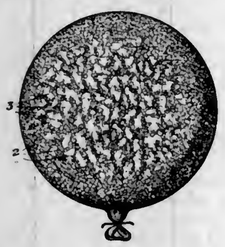
pair of spaced wires having laterally extending portions terminating in hooks for engagement with the fabric of a vehicle top, a clamping strip carried by the extensions of one of the wires, and means for holding the strip close to the engaged fabric, said means including an endless elastic member connecting the corresponding means on the respective wires.

2,295,708

TOY BALLOON

Raymond Edward Bitter, Cambridge, Mass., assignor to Vultex Chemical Company, Cambridge, Mass., a corporation of Massachusetts

Application September 2, 1939, Serial No. 293,275
5 Claims. (Cl. 46—87)



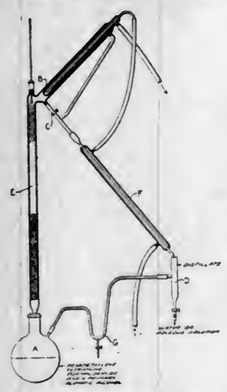
1. A toy balloon comprising inner and outer layers of differently colored rubber, the two being united into a substantially integral structure and the outer of said layers being wrinkled, the under layer being relatively smooth and substantially non-wrinkled, whereby when the article is inflated a two-tone color effect is produced.

2,295,709

ALPHYLOXYMETHYL AMINES

Louis H. Bock, Glenside, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

Application July 16, 1940, Serial No. 345,775
10 Claims. (Cl. 260—584)



1. The process of preparing amines of the formula

$$(ROCH_2)_3N$$

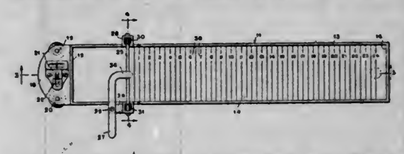
wherein R is a primary aliphatic radical selected from a member of the group consisting of aliphatic hydrocarbon radicals and aliphatic radicals which contain only carbon, hydrogen, and oxygen and in which the oxygen is connected by an ether linkage to two carbon atoms in the chain, which comprises reacting by heating hexamethylene tetramine and a primary aliphatic alcohol with a member of the group consisting of anhydrous formaldehyde and polymers of formaldehyde.

2,295,710

CONSISTOMETER

Elmer P. Bostwick, Oak Park, Ill.; dedicated to the free use of the People in the territory of the United States

Application December 12, 1941, Serial No. 422,706
2 Claims. (Cl. 265—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



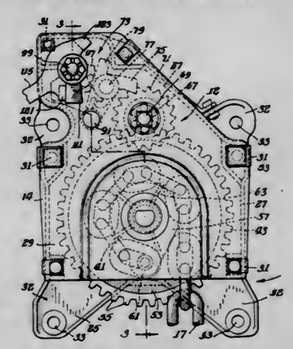
1. A consistometer comprising an elongated horizontal container having two longitudinally contiguous sections, a gate between said sections, one of said sections being adapted to be filled with a material, the consistency of which is to be determined, whereby when said gate is opened, the material will flow into the other section, positive means for suddenly opening said gate, and a scale delineated on the floor of said other section, said scale extending longitudinally from said gate.

2,295,711

LATCH MECHANISM

Henry D. Breen, Chicago, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois

Application October 5, 1939, Serial No. 298,083
10 Claims. (Cl. 74—505)



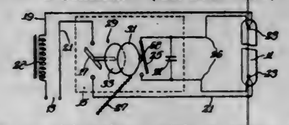
1. The combination, with a ratchet, of pawl means and pawl control means operable to govern the interaction of the pawl means and ratchet, said pawl means comprising a shiftable pawl carrier and a ratchet detent shiftable on said carrier, and said pawl control means being biased normally to hold the carrier in a predetermined operating position and being movable into position releasing the carrier whereby to permit the detent to be retracted from the ratchet, said control means being also movable into position retaining said carrier in said operating position and to yieldingly urge said detent on said carrier toward operative engagement with said ratchet.

2,295,712
RECORDER-REPRODUCER HEAD
William J. Brown, West Englewood, N. J., assignor to Western Electric Company, Incorporated, a corporation of New York
Application October 7, 1941, Serial No. 413,932
5 Claims. (Cl. 274—30)



1. A recorder- reproducer assembly for phonographs comprising a recorder having a stylus for forming a groove in a record member, a reproducer having a stylus and a body portion with an aperture near the stylus and means for supporting the recorder and the reproducer with the stylus of the recorder extending through the aperture in the reproducer.

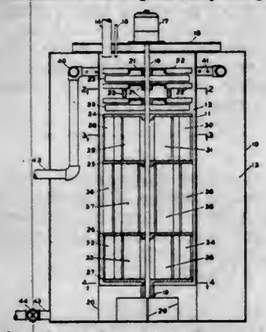
2,295,713
CONTROL APPARATUS
Arthur H. Buckley, Chicago, Ill.
Application August 30, 1939, Serial No. 292,584
4 Claims. (Cl. 176—124)



1. The combination, with a main switch and an auxiliary switch for controlling a gaseous conduction device having a pair of spaced filamentary electrodes, of means for connecting said main switch in circuit to control the delivery of electric potential between said electrodes from a suitable power source, said auxiliary switch being adapted for connection between said filamentary electrodes to control the flow of electric current therethrough, a member drivingly connected with both switches anad manually operable in one direction to close the main switch, and spring means connected to move said member in the opposite direction to open the auxiliary switch upon manual release of said member, following closure of the main switch, whereby both switches may be closed for a predetermined interval under manual control, and the auxiliary switch opened upon release of said manual control.

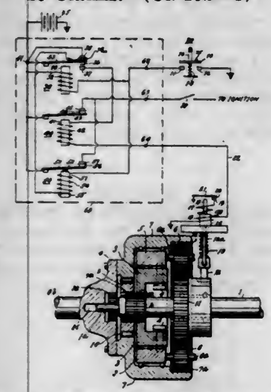
2,295,714
WATER TREATING APPARATUS
Bradford J. Clark, New York, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
Application April 19, 1939, Serial No. 268,725
5 Claims. (Cl. 210—16)

1. In water treating apparatus for continuous flocculation comprising a flocculation chamber, a settling chamber, inlets for water and chemical at one end of the flocculation chamber, an outlet for the opposite end of the flocculation chamber communicating with one end of the settling chamber, and an outlet for the other end of the settling chamber, an improved agitating device which comprises a shaft within the flocculation chamber, means rigidly connected with said shaft for rotation thereby and comprising a plurality of parallel discs for preventing a flow of water parallel with and in close proximity to the shaft and radially extending mixing arms adjacent said discs, stationary baffles mounted in the flocculation chamber in a plurality of planes inter-



mediate the planes in which the mixing arms are arranged, and means for rotating said shaft.

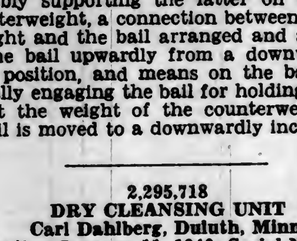
2,295,715
OVERDRIVE CONTROL SYSTEM
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 9, 1940, Serial No. 369,247
10 Claims. (Cl. 192—3)



1. A control system for overdrives of the type employing mechanical speed responsive means for going into overdrive and having a sun-gear normally locked by a spring urged pawl, said system comprising a solenoid for retracting the pawl when it is desired to come out of overdrive, a current source, a driver controlled switch for controlling energization of the solenoid, means responsive to closure of said switch for discontinuing engine ignition, means for restoring ignition in response to retraction of the sun-gear locking pawl, and means for automatically restoring ignition a predetermined time after closure of said switch independently of the status of the pawl.

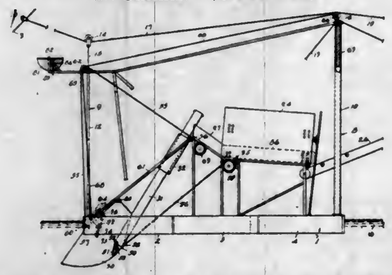
2,295,716
PIPE UNION
Ora C. Cox, Elmhurst, Ill.
Application February 28, 1941, Serial No. 381,042
6 Claims. (Cl. 285—129)

1. A pipe union comprising duplicate rings having a plurality of outwardly extending lugs and a plurality of inwardly extending lugs, the outwardly extending lugs of one ring being constructed and arranged for interlocking engagement with the inwardly extending lugs of the other ring, and all of the engaging surfaces of



the lugs being inclined with respect to a plane normal to the axes of the rings.

2,295,717
DREDGER
Arthur C. Crawford, Rodeo, Calif.
Application March 14, 1939, Serial No. 261,785
21 Claims. (Cl. 37—71)

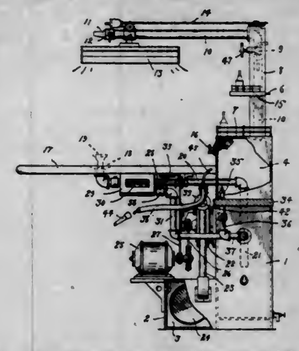


1. In a dredger, a barge, a shovel, means for mounting the same with freedom of scooping action below the barge and of ascending motion toward dumping position, a counterweight, and connecting means between the latter and the shovel, the latter means including means for rendering the counterweight active to aid in lifting the shovel during the ascent, and for retaining the counterweight in an inactive position during the scooping operation.

20. In a dredger, a barge, a bail, means for swingably supporting the latter on the barge, a counterweight, a connection between the counterweight and the bail arranged and adapted to pull the bail upwardly from a downwardly inclined position, and means on the barge automatically engaging the bail for holding the same against the weight of the counterweight when the bail is moved to a downwardly inclined position.

2,295,718
DRY CLEANSING UNIT
Carl Dahlberg, Duluth, Minn.
Application January 11, 1940, Serial No. 313,418
2 Claims. (Cl. 68—5)

1. In a dry cleansing and spotting machine having means for creating a vacuum therein and a steam and air supply, a suction nozzle connected with said vacuum and adapted to support a soiled portion of a garment thereon and suck air therethrough, a flexible air hose connected with said air supply, a relatively small flexible steam hose connected with said steam supply and extending through said air hose, an exhaust nozzle on the terminous of said air hose through which combined steam and air may be directed to the side of said garment opposite said suction through said garment and into said suction nozzle.



2. In a dry cleansing spotting machine having means for creating a suction therein, a suction nozzle connected with said vacuum, and carding material supported about the edges of said nozzle and providing means for immovably supporting a portion of a garment over said suction nozzle.

2,295,719
ARTIFICIAL HAND
Roy L. David, San Jose, Calif.
Application February 20, 1940, Serial No. 319,866
1 Claim. (Cl. 3—12)

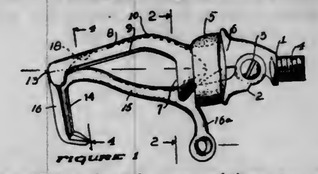


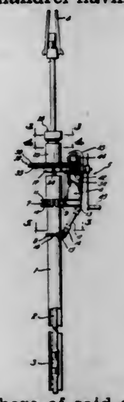
FIGURE 1

An artificial hand, comprising an elongated jaw member adapted to be rigidly attached to the arm of the wearer, said member having an integral and forwardly directed socket formed thereon substantially axially of the member, a trough-shaped arm integrally connected to and projecting forwardly from an edge of said socket with the trough thereof facing the projected axis of said socket and jaw member, a seat formed in said arm in substantial alignment with said axis, a second elongated jaw member, means pivotally connecting said second jaw member to said first jaw member, said second jaw member being movable on said pivotal connecting means through an arc bisecting the projected axis of said socket and first jaw member into and out of engagement with said seat, and said socket having in an edge portion thereof a notch substantially diametrically opposite to said arm, said notch receiving a rear portion of said second jaw member when the forward portion thereof is engaged with said seat.

2,295,720
SUCKER ROD TOOL
Siegfried J. Dietzmann, Los Angeles, and Karl F. Riemann, Santa Paula, Calif., assignors of two and one-half per cent to William E. Beatty and two and one-half per cent to Atus P. Reuther, both of Los Angeles, Calif.
Application April 16, 1941, Serial No. 388,814
8 Claims. (Cl. 255—35)

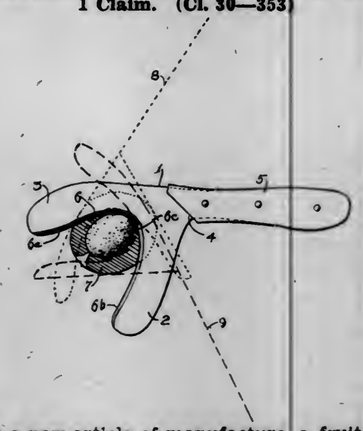
1. A sucker rod tool comprising the combination of a frame, means for securing said frame to the top of tubing from which a sucker rod pro-

jects, a gear rotatably carried by said frame, means for rotating said gear, said gear having a central bore communicating with a sucker rod receiving slot, a mandrel having a sliding key fit



with the central bore of said gear, said mandrel having a lateral slot and a central bore to receive the sucker rod, and means for securing said mandrel to the sucker rod.

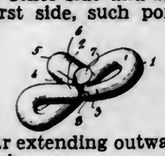
2,295,721
FRUIT HALVING KNIFE
Joseph Doetsch, near Los Gatos, Calif.
Application August 4, 1941, Serial No. 405,370
1 Claim. (Cl. 30—353)



As a new article of manufacture, a fruit halving knife comprising, a substantially U shaped body portion forming top and bottom arms and having a handle extending from its base in alignment with its top arm, the inner edge only of the U shaped portion being sharpened to form a keen cutting edge terminating at the ends of both arms, and the opposing edges of the two arms being curved slightly inwardly toward each other.

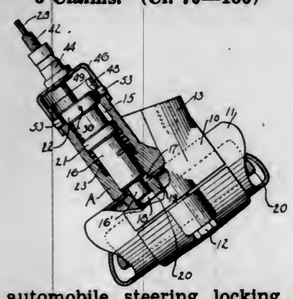
2,295,722
TIRE CHAIN LINK
John Shearman Donaldson, St. Albans, N. Y.
Application January 26, 1940, Serial No. 315,637)
4 Claims. (Cl. 152—242)

1. A link for a tire cross chain, made of a single piece of bar stock and having an end portion of the piece bent to extend across the outer face of the link between the ends thereof from one side to the other side and by a reverse bend back to the first side, such portion forming a



double wear-bar extending outward from the face plane of the link.

2,295,723
AUTOMOBILE STEERING AND IGNITION LOCKING ASSEMBLY
Charles R. Duncan, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application October 13, 1941, Serial No. 414,761
5 Claims. (Cl. 70—186)

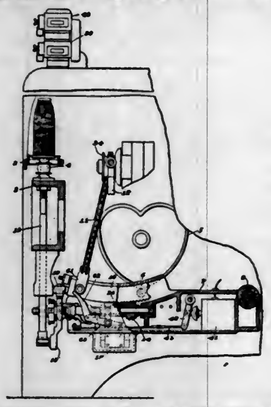


1. An automobile steering locking assembly comprising a first frame mounted adjacent to the steering shaft of the automobile, said frame having a bore, a locking bolt shiftable in said bore for locking and unlocking the shaft against steering, a second frame mounted in the automobile remote from said first frame, said second frame having a bore, a plunger shiftable in said bore, key means on said second frame for controlling the shift of the plunger, a flexible cable connecting at its ends with said bolt and said plunger respectively, whereby shift of said plunger will effect shift of the locking bolt to steering locking or unlocking position, a flexible sheath through which said flexible cable extends, means for attaching one end of said sheath to said second frame, a cap secured to the other end of said sheath for application to said first frame concentric with the bore thereof, said cap having a side opening, a locking pin shiftable radially on said first frame, spring means within said first frame tending to shift said locking pin outwardly for projection through the side hole of the cap after application of the cap to the frame for holding said cap on said frame, and means on the locking bolt positioned in the path of inward movement of said pin when said locking bolt is in locking position for preventing inward shift of said locking pin and thereby removal of said cap from the frame.

2,295,724
BUILDER MOTION FOR SPINNING AND TWISTER FRAMES
Sven E. Edfors, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application September 12, 1939, Serial No. 294,474
15 Claims. (Cl. 242—43.7)

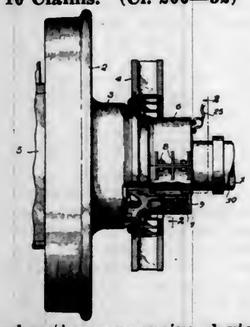
1. A builder motion for operating the traversing rail of a twister frame comprising a pivoted builder arm, means for operatively connecting

said arm with said rail including a member adjustable lengthwise of said arm to change the length of traverse of said rail, a rotary element for producing adjusting movements of said member along said arm in opposite directions, and mechanism for rotating said element step by step



to move said member along said arm, said mechanism including a rotary driving device and means for automatically reversing the direction of rotation of said driving device at predetermined intervals and thereby producing adjusting movements of said member in opposite directions.

2,295,725
ACCELERATION RESPONSIVE DEVICE
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 19, 1939, Serial No. 285,267
10 Claims. (Cl. 200—52)



1. An acceleration responsive device comprising a closed oil-tight casing securable to a rotatable object, an oil-immersed inertia member in said casing rotating therewith, said member having a limited extent of freedom of rotary movement with respect to the casing, and an electric contact closing means disposed outside said casing and cooperating through the casing wall with the inertia member, to close said contact whenever the rotation has excessive acceleration.

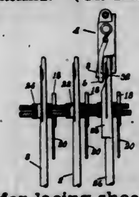
2,295,726
WIRE CABLE OR ROPE
Norman Stanley Ellis, Hamilton, Ontario, Canada, assignor to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application July 1, 1941, Serial No. 400,618
4 Claims. (Cl. 57—145)

1. In wire cable or rope, a pliant foraminous axial core which is elastically compressible laterally, comprising a knitted metallic mesh fabric



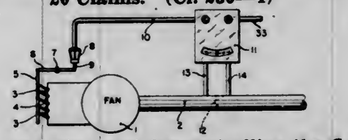
formed into a rope-like body mass, and wire strands laid upon and about said core so as to be supported and cushioned thereby.

2,295,727
NEEDLE FOR SHOE UPPER LACING MACHINES
Joseph Fossa, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 9, 1941, Serial No. 410,184
6 Claims. (Cl. 112—3)



1. A machine for lacing shoe uppers, the edges along the lacing slit of which are provided with flanged eyelets having, in combination, a plurality of lacing mechanisms including needles arranged to permit aligned eyelets of a folded shoe upper to be impaled thereon, and individual clamping members acting on the upper in close proximity to the flanges on the eyelets, and means for preventing engagement of the clamping devices with the flanges on the eyelets comprising a flat projection on at least one of the needles acting within the eyelets while being impaled to move the upper in a direction to draw the flanges away from the clamping members.

2,295,728
MEASURING INSTRUMENT
Louis Gess, Jenkintown, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 21, 1940, Serial No. 320,001
20 Claims. (Cl. 230—4)

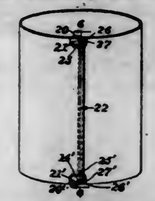


1. In an instrument for controlling the flow of a fluid through a pipe, means to measure the flow of said fluid, means operated thereby to control the flow of fluid, means to adjust the point at which said control means will control said flow, and means to vary said adjusting means in accordance with changes in atmospheric conditions.

2,295,729
METALLIC CONTAINER
Willie I. Gladfelter and George Kauffmann, Philadelphia, Pa., assignors to Crown Can Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 14, 1939, Serial No. 299,530
1 Claim. (Cl. 220—62)

A cylindrical can body having outwardly

turned seaming flanges at its ends and a side seam characterized by a continuous, double-hooked lock section extending throughout the major axial height of the body and relatively short, lapped sections at both ends, said body being formed from a flat rectangular blank having both corners at one end cut away with an L-shaped, two-stepped notch, the outermost steps of the notches each being of a depth, axially of the can body, equal to the radial width of the seaming flanges and the other steps each being of a width, circumferentially of the body, equal to the width of the hook in the lock portion of the side seam, the inner margins of the last named steps defining the ends of said hook



and serving to space said ends from the first step and from the seaming flanges by a distance equal to the axial depth of the second step, the lock portion of the side seam being bumped inwardly and terminating in spaced relation to the seaming flanges, thereby eliminating the inwardly bumped bulge adjacent the lines of junction between the can body and the seaming flanges, the first-mentioned step in each corner notch being defined by right-angularly disposed margins, one of which extends radially entirely across the seaming flange and the other of which is positioned outside of the seaming flange and extends circumferentially of the can body adjacent the line of junction of the flange with the body.

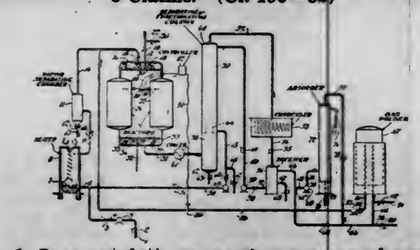
2,295,730

CATALYTIC CONVERSION OF HYDROCARBONS

Henry W. Grote, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application November 9, 1939, Serial No. 303,607

5 Claims. (Cl. 196—52)



1. In a catalytic conversion process wherein a stream of hydrocarbons to be converted is passed through a mass of active catalytic material in a zone wherein said conversion is effected and wherein carbonaceous deposits resulting from said conversion are periodically burned from the catalyst to reactivate the same while the flow of said hydrocarbons through said mass is discontinued, said burning leaving the thus reactivated catalyst mass, which is brought into renewed contact with said stream of hydrocarbons, at a temperature in excess of the optimum for effecting said conversion, the improvement which comprises commingling non-reactive hydrocarbon gases with the hydrocarbons undergoing said conversion, and decreasing the quantity of said gases thus commingled with said hydrocarbons as the temperature of the reactivated catalyst mass decreases and at a rate such as to maintain a substantially uniform rate of conversion throughout the processing period.

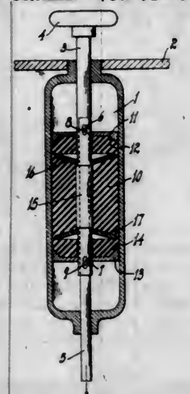
2,295,731

FRICTIONAL ADJUSTER

Forrest D. Groves, Long Beach, Calif.

Application April 21, 1941, Serial No. 389,568

5 Claims. (Cl. 74—503)



1. A frictional adjuster comprising a housing, a pull tube extending into the housing, a friction block surrounding the pull tube and positioned in the housing, wedging means at each end of the friction block, said pull tube having elongated slots positioned at each end of the friction block, a control rod extending into the pull tube, and pins extending through the control rod and through said slots and engaging said wedge means, said pins being positioned at each end of the friction block.

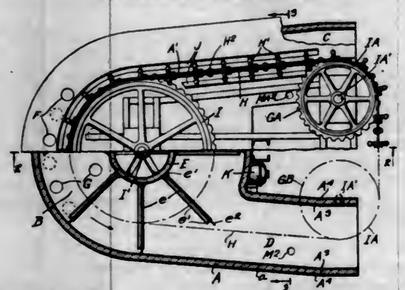
2,295,732

CONTINUOUS KILN

Frederic O. Hess, Philadelphia, Pa., assignor to The Selas Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 30, 1938, Serial No. 205,254

16 Claims. (Cl. 34—86)



3. In a continuous kiln, the combination with a kiln having a goods inlet, a goods outlet, and a passage forming an elongated goods pathway extending between said inlet and outlet, and comprising a portion longitudinally intermediate of, and displaced longitudinally of said pathway from inlet and outlet end portions of said pathway, of a plurality of partition elements, means for moving said elements successively into said pathway at the end of said inlet portion adjacent said inlet end portion thence through said intermediate portion of said pathway and out of said pathway at the end of said intermediate portion adjacent said outlet end portion, each of said elements when moving through said intermediate portion extending across the pathway and segregating the portion thereof in front of the element from the portion of said pathway behind the element, means for conveying goods through the kiln, means comprising ports in the walls of said passage for passing gases into and out of said segregated portions of the goods pathway, and means for heating goods passing through the intermediate portion of the goods pathway and means for transferring heat to the goods passing from the kiln inlet to said intermediate portion from the goods passing to the kiln outlet from said intermediate portion.

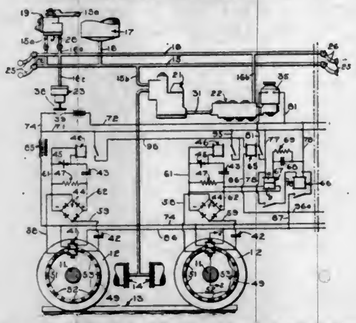
2,295,733

BRAKE CONTROL MEANS

Claude M. Hines, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application April 30, 1941, Serial No. 391,049

15 Claims. (Cl. 303—21)



1. In a vehicle brake control apparatus including wheel-slip detecting apparatus of the induction generator type having a primary winding adapted to be energized by direct-current and a secondary winding in which an alternating current voltage is produced upon rotation of the wheel, the combination of means under the control of the operator of the vehicle for effecting energization and deenergization of the primary winding, and means automatically effective when the vehicle reduces below a certain speed for effecting deenergization of the primary winding notwithstanding the fact that the operator controlled means is not operated to do so.

2,295,734

PHOTOGRAPHIC FIXATIVE COMPOSITION CONTAINING BORIC ACID ESTERS OF POLYHYDRIC ALCOHOLS OF AT LEAST SIX CARBON ATOMS

Charles Holzwarth, Parlin, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 10, 1941, Serial No. 387,976

16 Claims. (Cl. 95—88)

2. A fixative composition comprising a concentrated solution containing a thiosulfate fixing salt and at least one ester of a boric acid with a polyhydric alcohol having at least 6 carbon atoms and 6 hydroxyl groups.

2,295,735

METHOD OF MAKING RUBBER DESIGNS

Victor H. Hurt, Cranston, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application October 24, 1939, Serial No. 301,019

8 Claims. (Cl. 41—24)

1. The method which comprises applying a coating of latex on the surface of a base, applying a coagulant to said latex coating in a predetermined design and allowing said coagulant to remain in contact with said latex until the desired thickness of latex has become coagulated in the configuration of the design.

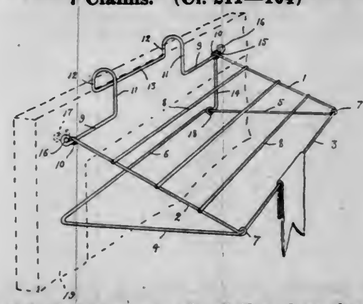
2,295,736

FOLDABLE RACK

Henry C. Jernson, St. Paul, Minn.

Application July 5, 1941, Serial No. 401,065

7 Claims. (Cl. 211—104)



5. A foldable wire rack of the class described comprising three U-shaped members having ends, each member being pivotally united at its ends to another and foldable into substantially the same plane, one of said members having eyelets formed in its ends and a central hooked portion, whereby said rack may be optionally suspended either from said eyelets or said hooked central portion, and an arm, pivoted to an end of said one member adjacent an eyelet and pivotally and slidably attached to one of said other members to limit the maximum pivotal movement of two of said members.

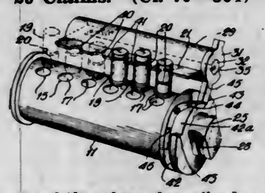
2,295,737

CYLINDER LOCK

Theodore H. Johnstone, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application October 14, 1939, Serial No. 299,431

29 Claims. (Cl. 70—364)



1. In a lock of the class described, a cylinder, a

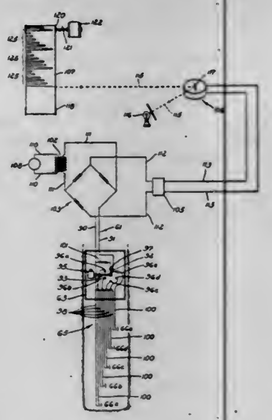
key plug rotatably mounted in said cylinder, aligned bores in said cylinder and key plug, tumblers in said bores including a driver having a slot, said key plug having a keyway into which a key is insertible for positioning the tumblers and means controlled by said driver slot for preventing release rotation of said key plug unless said driver is positioned with its slot in predetermined relation to said means.

2,295,738

METHOD AND MEANS FOR DETERMINING THE POINTS OF INGRESS OF WELL FLUIDS

John R. Gilbergh, Palo Alto, Calif.

Application December 16, 1940, Serial No. 370,251
20 Claims. (Cl. 175—182)



1. A method of determining the points of ingress of formation fluids in a bore hole, including the steps of: loading said bore hole with fluid to overbalance formation pressure sufficiently to prevent flow of formation fluids thereinto; drawing off fluid from the bore hole to initiate flow of formation fluids thereinto; and determining fluid character at each of a plurality of predetermined spaced stationary points in the bore hole repeatedly at relatively short time intervals in a test period to produce a plurality of series of sufficiently closely successive readings over coextensive time periods to produce contemporaneous histories of significant changes in fluid character occurring at said predetermined points during the test period.

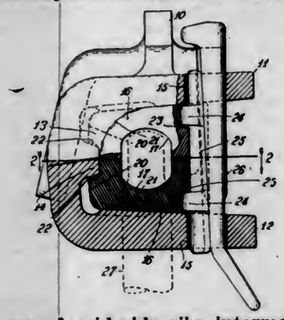
2,295,739

BRAKE HANGER SUPPORT AND RETAINER

Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois

Application May 27, 1941, Serial No. 395,437
8 Claims. (Cl. 188—209)

1. In a brake hanger support and retainer, a bracket arm adapted to be secured to a car truck frame and provided with laterally disposed and vertically spaced jaws formed integral at their inner ends with a vertical wall portion and providing a retainer receiving socket, the vertical wall and the inner ends of the jaws at opposite sides being united by vertical side ribs, while the inner face of the vertical wall, intermediate the spaced apart jaws, is provided with a rib disposed transversely of said wall with its forward face disposed in the horizontal plane of the



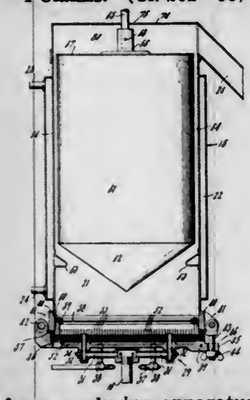
front faces of said side ribs intermediate their upper and lower ends.

2,295,740

APPARATUS FOR FOAMING LIQUIDS

Alexis W. Keen, Packanack Lake, Wayne Township, Passaic County, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application January 19, 1940, Serial No. 314,677
4 Claims. (Cl. 261—93)



3. In a foam producing apparatus, a shearing device comprising a cylindrical chamber, a cylinder within said chamber rotatable co-axially therewith and defining therewith an annular channel having a length at least as great as its diameter, the radial dimension of said channel being of the order of between $\frac{1}{16}$'' and $\frac{1}{2}$'' and being substantially constant throughout said channel and means for passing a foam axially through said channel.

2,295,741

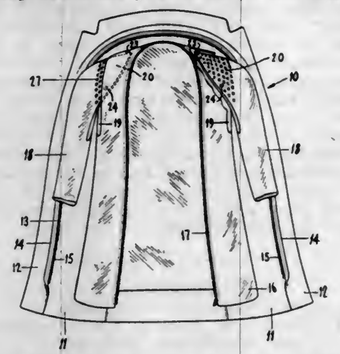
CONSTRUCTION OF GARMENTS

Henry Kessler, New York, N. Y.

Application July 15, 1941, Serial No. 402,446
5 Claims. (Cl. 2—97)

1. In a lining having sleeve openings, detachable sleeves for said lining each comprising an upper extension adapted to enter into said sleeve opening with the upper portion of said lining at said sleeve opening in superimposed relation, a snap fastener positioned at the upper end of said extension, two snap fasteners positioned at opposite sides of said sleeve extension and below said upper snap fastener, the inner surface

of said lining having complementary snap fasteners, one of which is positioned in considerably spaced relation inwardly of said arm hole and two snap fasteners positioned at the edge por-



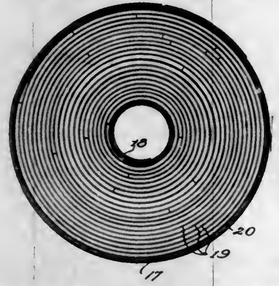
tions defining said arm hole, and apertures in said sleeve extension to permit ventilation from the upper portion of said lining outwardly of said garment.

2,295,742

BALE

Clarence W. Lanter, Chicago, Ill.

Application May 8, 1939, Serial No. 272,345
12 Claims. (Cl. 206—46)



1. A bale of spring units for mattresses and the like, comprising a plurality of separate spring units, said units being wrapped in compressed condition end to end to form a spiral roll of disconnected units and a continuous flexible wrapper arranged between each layer and extending from the innermost to the outermost units and wrapped there-around for maintaining the compression and position of the outermost units, the balance of said units being held against release by frictional engagement with each other through the wrapper and by the outermost units.

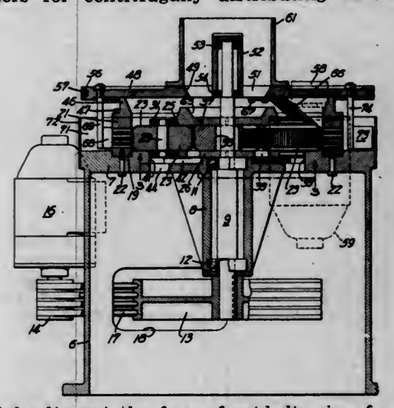
2,295,743

EXTRUDING APPARATUS

Edgar T. Meakin, San Francisco, Calif.

Application September 25, 1937, Serial No. 165,777
20 Claims. (Cl. 107—8)

1. In apparatus of the class described, a horizontally positioned perforated die ring, means for supporting said die ring, a plurality of rollers disposed adjacent the inner face of said die ring and adapted to compress and force material through the perforations thereof upon relative movement between said die ring and said rollers, means for causing said relative movement, and means disposed above the upper ends of said rollers for centrifugally distributing said ma-



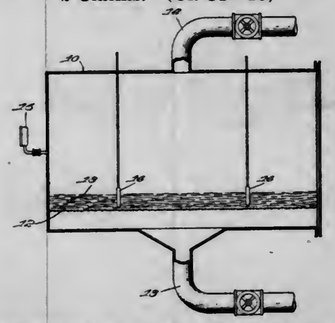
terial adjacent the face of said die ring for extrusion therethrough by said rollers.

2,295,744

CONTROLLING VACUUM DRYING

Charles J. Merriam, Winnetka, Ill., assignor to The Guardite Corporation, a corporation of Illinois

Application March 29, 1940, Serial No. 326,721
2 Claims. (Cl. 34—15)



1. The method of drying a hygroscopic product which comprises substantially removing noncondensible gases therefrom, passing superheated steam over the product at a selected subatmospheric pressure, the temperature of the steam being higher than the temperature of the product, and continuing passage of the steam over the product until the temperature of the product reaches a predetermined value below that of the steam, at which temperature the vapor pressure of the moisture in the product is in equilibrium with the steam pressure and at which temperature the product retains a desired percentage of moisture as determined from a vapor pressure curve of the product at the selected temperature.

2,295,745

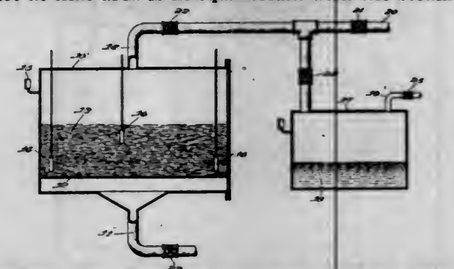
CONTROLLING UNIFORMITY OF VACUUM DRYING WITH SUPERHEATED STEAM

Charles J. Merriam, Winnetka, Ill., assignor to The Guardite Corporation, a corporation of Illinois

Application March 29, 1940, Serial No. 326,722
2 Claims. (Cl. 34—15)

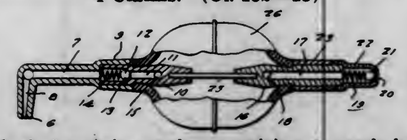
1. The method of drying a hygroscopic product in bulk which comprises subjecting the prod-

uct to a subatmospheric pressure of an atmosphere of superheated steam, passing superheated steam at a selected pressure and temperature through the mass of product, the steam having a temperature in excess of that temperature of the product, until the temperature of the product has reached a predetermined value indicating that the vapor pressure of the moisture in the product at that area is in equilibrium with the steam



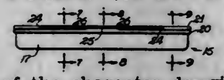
pressure and that the product contains a desired moisture content, and then passing superheated steam at a different temperature and at the same pressure through the product until the temperature throughout the product substantially equals the steam temperature, indicating that the vapor pressure of the moisture throughout the mass of the product is in equilibrium with the steam pressure at that temperature, and that the product contains the desired moisture content.

2,295,746
FOUNTAIN COMB
Norman R. Metzler, York, Pa.
Application March 24, 1942, Serial No. 436,029
4 Claims. (Cl. 132—13)



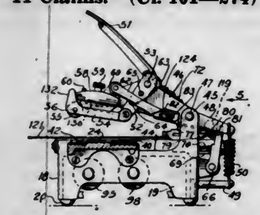
1. A fountain comb comprising a comb head having a passage therein, a sectional handle including a front section having a passage communicating with the passage of the head and extending through one side of the front section, and a rear section also having a passage extending through one side thereof, a rigid member connecting the sections of the handle, and a rubber bulb connected at its opposite ends to the sections of the handle and providing a reservoir in communication with the passages of each section.

2,295,747
SLIDE COVER BOX
Wallace C. Mills, Rockford, Ill., assignor to J. L. Clark Manufacturing Co., Rockford, Ill., a corporation of Illinois
Application February 15, 1940, Serial No. 319,035
2 Claims. (Cl. 220—41)



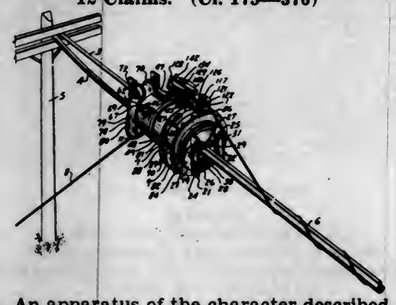
2. A box of the character described comprising, in combination, a generally rectangular body having a peripheral wall terminating at its upper edge in a continuous outturned bead, a cover slidable longitudinally of the box body, depending guide flanges on opposite sides of the cover shaped to extend over and slidably engage the bead on the side walls of the box body to guide the cover in its movements, a bead formed at one end of the cover and having its lower side disposed substantially flush with the bottom face of the cover, said cover bead overlying and contacting the bead on the box body when the cover is closed and extending around at least one side edge of the cover and terminating adjacent one end of the guide flange at that side, said cover bead forming a stop substantially at the juncture of the bead and the guide flange, and an upstanding projection on the body bead positioned for engagement by said cover bead in the movement of the cover toward open position, said end of the cover bead and said projection cooperating to define the limit positions of the cover.

2,295,748
ADDRESSING MACHINE
Frank V. Moore, Los Angeles, Calif., assignor to John M. Alford, Galva, Ill.
Application May 22, 1941, Serial No. 394,610
11 Claims. (Cl. 101—274)



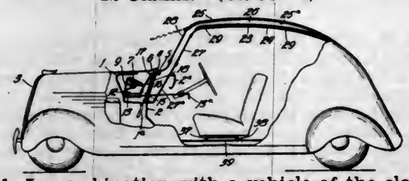
1. In an addressing machine, a frame having a printing area, a carriage pivoted to the frame to swing to and from a printing position, means to lock the carriage when it is swung to a printing position, a printing roller, means to roll the roller across the printing area, and mechanism controlled by the roller rolling means arranged to release the locking means substantially at the end of the printing operation.

2,295,749
MACHINE FOR ATTACHING CABLES TO MESSENGERS
Dory J. Neale, Topeka, Kans.
Application June 24, 1940, Serial No. 342,141
12 Claims. (Cl. 175—376)



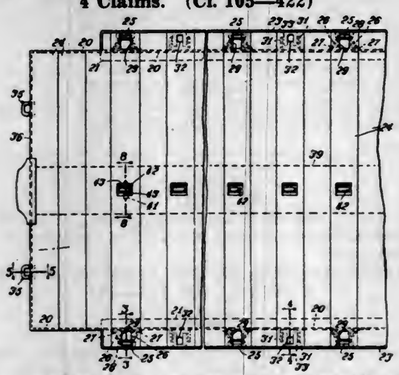
1. An apparatus of the character described, including a trolley adapted to operate upon a messenger, means on the trolley for raising a cable to be supported by the mesenger into substantial contact with the messenger, a carrier rotatable on the trolley about said cable and messenger, means on the carrier for mounting a spool of wire, an annular track on the trolley substantially coaxial with the messenger, a wheel on the carrier engaging the track, means responsive to pay of the wire from the spool to rotate said wheel on the track to move the carrier about the track, and means for moving the trolley along the messenger to effect unspooling of the wire.

2,295,750
VEHICULAR AIR CONDITIONING SYSTEM
Ralph F. Norris, Madison, and Dean G. Thomas, Stoughton, Wis., assignors, by mesne assignments, to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application February 14, 1938, Serial No. 190,394
12 Claims. (Cl. 98—2)



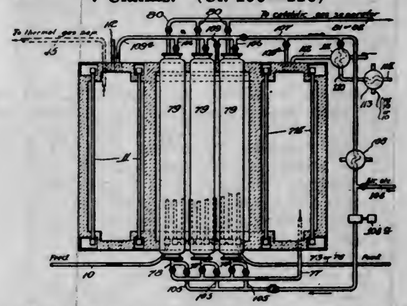
1. In combination with a vehicle of the closed type, a ventilating system including an air duct system and comprising an air inlet for admitting air into the system, a sheet-like apertured air-distributing member spaced below the top of said vehicle to form a plenum chamber superjacent the passenger compartment thereof, and duct means establishing communication between said inlet and said plenum chamber, one or more openings being provided in said air-distributing member and an adjustable deflector arranged in each of said openings, said deflector comprising a curved blade having a slot therein said blade being of sufficient area to cover said opening and hinged at one edge of said opening on the upper surface of said air-distributing member, a support mounted upon said vehicle and within said plenum chamber, a lever pivotally mounted at one end to said support above said air-distributing member, and having a ratchet portion on the free end, said free end extending through said slot in said blade, spring means urging said lever downwardly to cause said ratchet portion to engage one edge of said slot, and spring means urging said deflector blade to normal closed position.

2,295,751
RAILROAD FLATCAR
Karl F. Nystrom and Joseph A. Deppe, Milwaukee, Wis.
Application May 26, 1941, Serial No. 395,252
4 Claims. (Cl. 105—422)



1. In a flatcar, the combination of the side sills; floor-board supporting extension plates disposed lengthwise of the car sides and laterally beyond the side sills with the inner longitudinal portion of the plates integrally united with the tops of the side sills; stake pockets secured to the side sills with their upper ends in supporting relation with said extension plates, said stake pockets being spaced lengthwise of the car sides; pairs of gusset members secured to the side sills with their tops in supporting relation with said extension plates, the gusset members being arranged in alternate relation with the stake pockets; the car floor and said extension plates adjacent the outer side edges being provided with tie means receiving openings coincident with the stake pockets and intermediate the gusset members of each pair.

2,295,752
CONVERSION OF HYDROCARBON GASES AND LIQUIDS TO MOTOR FUELS
George L. Parkhurst, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 30, 1938, Serial No. 216,707
7 Claims. (Cl. 196—116)



1. In apparatus of the class described, a furnace containing a radiant section and a convection section, heating coils in said radiant section, a plurality of catalyst chambers mounted in said convection section, means for passing hydrocarbons first through said coils and thence through said catalyst chambers, means for burning carbonaceous materials from spent catalyst in said chambers thereby producing hot gases, and means for utilizing the heat of said hot gases in the radiant section of said furnace.

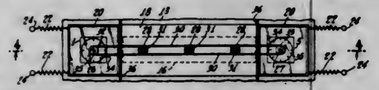
2,295,753
ANTIOXIDANT
Philip T. Paul, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 28, 1939, Serial No. 281,528
8 Claims. (Cl. 260—808)

3. A method of preserving rubber which comprises incorporating therein a thermal reaction product of a C-alkenyloxy substituted diphenylamine, said thermal product being produced by pyrolysis at a temperature between 150° C. and 300° C.

2,295,754
METHOD AND MEANS FOR MAKING SEQUENTIAL DRAWINGS
René J. H. Planiol, New York, N. Y.
Application February 27, 1941, Serial No. 380,866
13 Claims. (Cl. 88—16)

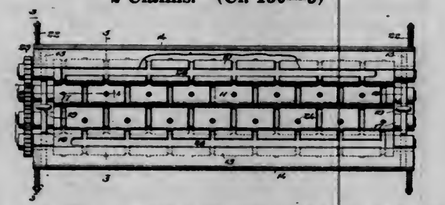
1. The method of producing sequential draw-

ings which comprises synchronously tracing homologous lines of a pair of original drawings of a sequence with interconnected tracing means



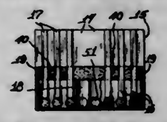
to determine the locus of a point bearing a fixed ratio to homologous points of the original drawings, and simultaneously recording such locus as an additional drawing of the sequence.

2,295,755
HUSKING ROLLS
John Powell, Kokomo, Ind.
Application March 4, 1941, Serial No. 381,729
2 Claims. (Cl. 130—5)



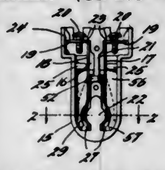
1. A pair of rotatable corn husking rolls disposed in side to side relationship, husking pegs carried by at least one of said rolls, the other roll having recesses extending entirely thereabout to accommodate the pegs of said first roll and further having longitudinally extending corn grain accommodating channels intersecting said annular recesses and extending continuously between the two end recesses of the roll, and gearing connecting said rolls for rotation of the latter in opposite directions and in predetermined angular relationship to each other, the portions of said first mentioned roll which register with said channels during rotation of the rolls being disposed entirely outside of said channels and being devoid of any channel-entering projections whereby said channels are free and open at all times to protectively accommodate grains of corn against being crushed.

2,295,756
MATCH PACKET
Rodney S. Pullen, Akron, Ohio, assignor to Pullenlite Company, Chestnut Hill, Philadelphia, Pa., a corporation of Pennsylvania
Application April 23, 1940, Serial No. 331,079
10 Claims. (Cl. 206—29)



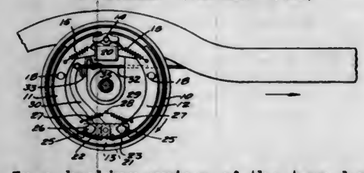
1. A match packet comprising parallel rows of staggered matches, a retardant strip between the matches at their head ends, a bale having a corrugated interior surface, the channels of the corrugations partly enclosing the matches, and the bale laterally surrounding the matches at the head ends and extending toward the stick ends of the matches, the corrugations being in part coated with ignition material farther from the match heads along the sticks than the retardant strip extends and a cover surrounding the head ends of the matches and the stick ends of the matches beyond the bale.

2,295,757
FLUORESCENT LAMP SOCKET
Mark N. Russell, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Solvay Station, Syracuse, N. Y., a corporation of New York
Application March 1, 1941, Serial No. 381,373
10 Claims. (Cl. 173—328)



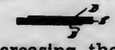
6. A socket for use with double-ended electric lamps having a base at one end fitted with a pair of outwardly extending pins, comprising a body of insulation having a pin recess in one face thereof and a pin entrance slot extending from the recess to the edge of said face, individual spring contacts in said recess spaced to each separately engage one of said pins upon rotation of the lamp pins 90° from the plane of said slot, and spring means in said recess to electrically engage and connect together said pins when in said last mentioned position.

2,295,758
BRAKE ADJUSTER
Truman S. Safford, Riverside, Conn.
Application May 12, 1941, Serial No. 393,068
6 Claims. (Cl. 188—79.5)



1. In a braking system of the type having a split ring expansible into braking engagement with a brake drum, and a single anchor against which one end of the shoe abuts during brake operation the combination of a plurality of segmental shoes assembled into a split ring, a service brake operating mechanism adapted to engage opposed segments adjacent the anchor and to drive them outwardly into engagement with the drum, an auxiliary brake operating mechanism comprising means for expanding said ring comprising a member adjustable to increase the circumferential spacing of said segments, and a device connected to said member for adjusting it to expand the ring and a limited elasticity retracting spring having its elastic limit at the point corresponding to full pressure engagement of the expansible ring with the drum and having limited elastic return corresponding to normal clearance of the ring from the drum.

2,295,759
CAPACITOR
Charles L. Scheer, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1939, Serial No. 282,299
5 Claims. (Cl. 175—41)



1. Method of decreasing the dielectric losses of a capacitor comprised of a pair of conductive film-like armatures constituted of metal in a

finely divided state and adhering to the opposite surfaces of an interposed dielectric layer, said method comprising subjecting said capacitor to a temperature sufficiently high and for a period sufficiently long to cause softening and virtual flow of the metal.

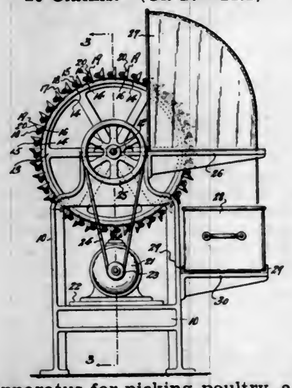
2,295,760
PROCESS FOR SEPARATING ALDEHYDES AND KETONES
Richard S. Schreiber, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 11, 1939, Serial No. 289,585
15 Claims. (Cl. 260—609)

11. A compound of the formula

$$HOCH_2(CHOH)_xC(SR)_2(CHOH)_yH$$

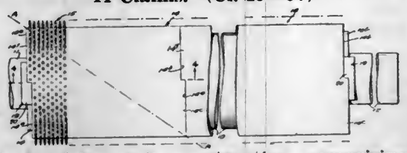
wherein x is a numerical value selected from the group consisting of 0, 1 and 2, y is a numerical value selected from the group consisting of 0, 1 and 2, and R is an alykl radical.

2,295,761
POULTRY PICKING APPARATUS
Roy H. Smith, Chatham Township, Morris County, N. J.
Application April 26, 1941, Serial No. 390,552
10 Claims. (Cl. 17—11.1)



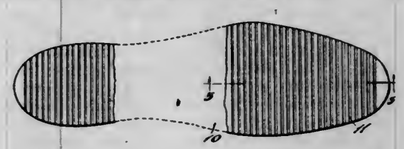
1. In apparatus for picking poultry, a movable means having an operative surface comprising a multiplicity of spaced upstanding soft rubber picker discs disposed in planes substantially transverse to the direction of motion thereof, and having freely projecting outer arcuate peripheral sections constituting their operative portions.

2,295,762
PICKER ROLL CONSTRUCTION FOR FUR BLOWING MACHINES
Paul Schultze, Danbury, Conn., assignor to Doran Brothers, Incorporated, Danbury, Conn., a corporation of Connecticut
Application February 20, 1941, Serial No. 379,894
11 Claims. (Cl. 19—97)



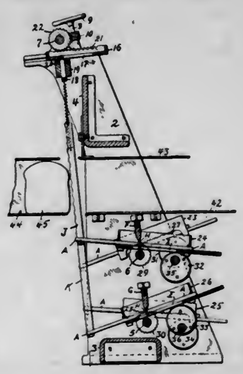
1. A picker roll construction comprising a cylindrical support from whose end faces extend coaxial shaft-like elements, sleeve-like means having projecting therefrom picker pins and sleeved onto and snugly interfitting with said cylindrical support and having its ends terminating respectively adjacent said end faces, and means secured to said end faces and each having a portion interfitting with the shaft-like element at the end face to which it is secured, said two means and the respective ends of said sleeve means having interengaging parts to hold said sleeve means against axial and rotary displacement relative to said cylindrical support.

2,295,763
METHOD OF MOLDING SHOE SOLES
Paul A. Sperry, New Haven, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 27, 1940, Serial No. 315,992
4 Claims. (Cl. 18—55)



1. The method of making a slip-retarding shoe sole which comprises shaping a thermoplastic material with lateral grooves in its outer surface, partly curing said sole, protecting the spaced opposed surfaces of the grooves against sticking together, and then permanently reducing the lengthwise dimension of the material united at the base of the grooves by applying opposed forces to the material in the lengthwise direction of the sole so as to cause the wall surfaces of the grooves to approach each other.

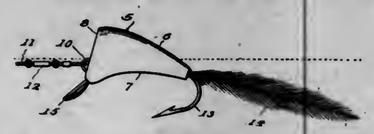
2,295,764
BREAD SLICING MACHINE
Orlin D. Taylor, Bluffton, Ind.
Application November 12, 1940, Serial No. 365,239
6 Claims. (Cl. 146—153)



1. A bread slicer consisting of a frame, a gauge-plate mounted transversely in the frame to have forward and backward adjusting movement provided with radially arranged gauge-slots, a stationary guide-rail secured transversely in the frame adjacent said gauge-plate, studs supported

in said guide-rail adapted to have lateral adjustable movement therein and having engagement respectively with said gauge-slots correspondingly wherefore to be moved upon adjustment of said gauge-plate, a pair of rock-members mounted in the frame to have tilting movement upon a common transverse axis therein and provided with radial guide-slots, a second similar pair of rock-members likewise mounted in the frame for tilting movement upon a second transverse axis therein, adjusting mechanism operatively connected with said gauge-plate and rock-members adapted to impart forward and backward movement thereto simultaneously to a like extent, a group of knife-actuating levers in each of said rock-members upon which said rock-members are adjustably movable, transverse fulcrum bars having engagement with the corresponding groups of levers adapted to prevent longitudinal movement of said levers and permit lateral adjustment thereof relative to said bars, tension springs connected respectively with said slidable studs, knives connected with said springs respectively at one of their ends and at their opposite ends to said levers wherefore reciprocating movement is imparted to the knives when said rock-members are actuated, driving mechanism in connection with said rock-members arranged so as to actuate the rock-members of each pair thereof in opposite directions, and means for directing loaves to the knives and receiving the sliced loaves therefrom.

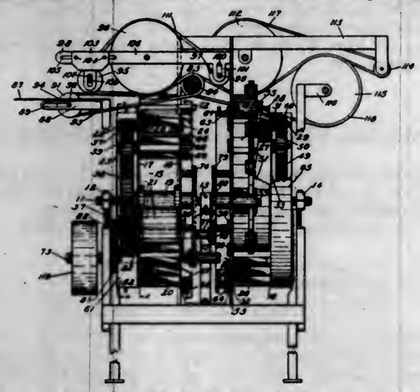
2,295,765
FLY ROD LURE
Oscar L. Weber, Stevens Point, Wis.
Application September 29, 1941, Serial No. 412,850
5 Claims. (Cl. 43—48)



1. A fly rod lure comprising a stubby buoyant body having a hook and a tail at its rear end and a line connection at its front end, the front extremity of said body being disposed in an almost vertical rearwardly inclined plane and having a shallow recess concave both vertically and horizontally and a rigid rearwardly inclined lip secured to said front extremity of said body under said recess, said line connection being above said lip to cause said body to "nose over" when the line is jerked, thereby causing the recessed front extremity of the body to strike upon the surface of the water and produce a "pop."

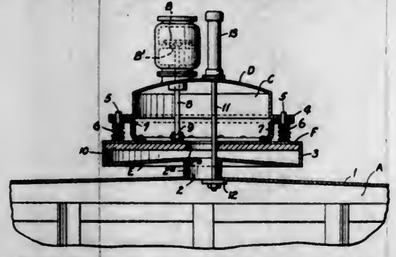
2,295,766
FIBROUS STRAW BREAKING AND SCUTCHING MACHINE
Max Crocker Widger, Corvallis, Oreg.; dedicated to the free use of the People in the Territory of the United States
Application April 29, 1941, Serial No. 390,958
2 Claims. (Cl. 19—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A machine of the character described comprising a rotor having fluted rollers rotatably mounted near the periphery, a fluted arc disposed adjacent the periphery of said rotor to mesh with the spaces between the flutes of said rollers, means for conveying the ends of fiber straw over the periphery of said rotor between said arc and said rollers, bars fixed to said rotor on the periphery thereof between said rollers, and a plurality



of combing units hinged to said rotor to engage the fiber which has passed said rollers.

2,295,767
VENT VALVE FOR GAS AND/OR LIQUID STORAGE TANKS
John H. Wiggins, Chicago, Ill.
Application October 23, 1939, Serial No. 300,713
6 Claims. (Cl. 220—85)

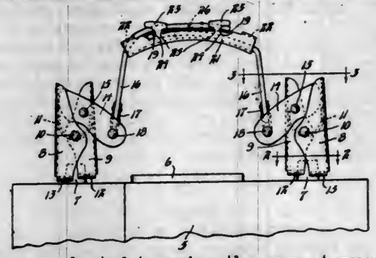


1. A vent valve structure for containers used to store gases and/or volatile liquids, comprising a gas chamber separate and distinct from but adapted to be placed in communication with the interior of the container, a vent valve for said gas chamber, and two movable actuating elements for said vent valve, forming wall portions of said gas chamber and arranged so that pressure in said gas chamber below a certain approximate degree is exerted on one of said actuating elements in a manner to enhance the seating action of said vent valve and pressure in said gas chamber above a certain approximate degree is exerted on the other actuating element in a manner to cause said vent valve to open to provide pressure relief for said gas chamber.

2,295,768
STORAGE BATTERY CARRIER
Leon S. Williamson, Minneapolis, Minn., assignor of one-half to Modiste L. Le Gro, Minneapolis, Minn.
Application June 7, 1941, Serial No. 397,030
8 Claims. (Cl. 294—116)

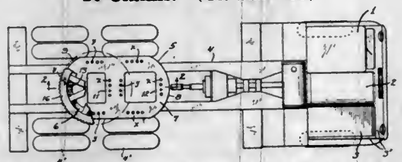
1. A carrier for storage batteries and the like comprising, a pair of jaw elements pivoted together intermediate their ends, one end of said jaw elements being adapted to engage a battery post, a cam device pivotally connected to one of said jaw elements adjacent the opposite end

thereof from said battery post engaging portions, and a handle member connected to said cam de-



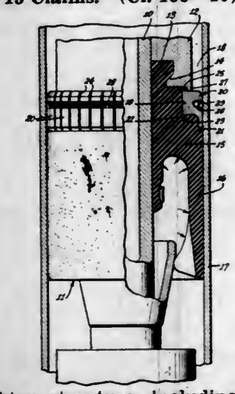
vice and adapted to swing the same toward the other jaw when said handle is lifted.

2,295,769
EXCAVATING AND LOAD HANDLING MACHINE
Roy H. Zellman, Lorain, Ohio, assignor to Thew Shovel Company, Lorain, Ohio, a corporation of Ohio
Application September 8, 1941, Serial No. 409,915
10 Claims. (Cl. 212—69)



1. A mounting plate for excavating and load handling machines of the type comprising a turntable and a superstructure mounted thereon, said turntable mounting comprising a generally rectangular metal plate having convex end portions, said plate being provided with two sets of bolt apertures and clearance openings, the turntable being provided with an aligned set of apertures, said turntable apertures being placed in registry with either set of apertures and the turntable kingpin being adapted to be disposed within an associated clearance opening.

2,295,770
PACKING DEVICE
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application January 15, 1941, Serial No. 374,471
15 Claims. (Cl. 166—10)



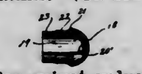
1. A packing structure, including a non-metallic packing adapted to engage the wall of a confining enclosure, abutment means at one end of said packing, and a segmental ring encircling and embracing the end of said packing closely adjacent said abutment means, said abutment means having substantial clearance with the wall of said enclosure, the segments of said ring being closely adjacent one another when in retracted position and being movable outwardly by said packing to bridge the clearance space between said abutment means and enclosure, whereby to prevent passage of said packing through said space.

2,295,771
PROTECTIVE COVERING FOR BEARINGS
Dwight E. Batesole, Glenbrook, Conn., assignor to Norma-Hoffman Bearings Corporation, Stamford, Conn., a corporation of New York
Application March 11, 1940, Serial No. 323,335
4 Claims. (Cl. 206—46)



1. A protective covering for bearings having inner and outer race rings spaced by antifriction members therebetween, comprising an annulus web portion of a width substantially equal to the space between the race rings, a flange thereon having recesses for the antifriction members of the bearing, said flange being substantially at right angles to the web portion, said flange being adapted to press against the race rings to hold the covering in position, and means for gripping the annulus web for removing the covering from the bearing.

2,295,772
COMBINED VALVE FACING AND SECURING MEANS
Walter J. Campbell, Philadelphia, Pa., assignor to Keystone Brass & Rubber Co., Philadelphia, Pa., a corporation of Pennsylvania
Application August 3, 1940, Serial No. 351,037
5 Claims. (Cl. 251—159)



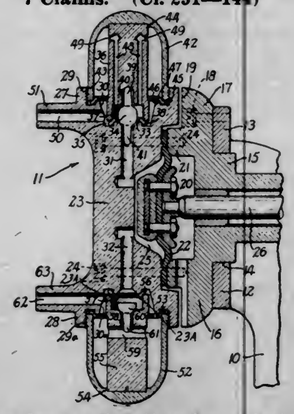
1. A facing for spigot valve heads and securing means combined, consisting of a member of highly elastic and resilient material substantially in the form of a thimble having a thick dome-shaped facing portion adapted to form the facing of an engaged valve, and integral, substantially cylindrical wall sleeve portions substantially thinner than the head portion of the thimble, and formed with a transverse diameter smaller than the diameter of the valve head to which it is to be applied, adapted to be engaged manually around a biscuit-shaped conventional spigot valve whereby sleeve portions will be stretched around the valve head and the extremity of the sleeve portion may contract inwardly of the valve head, substantially as described.

2,295,773
TREATMENT OF GASOLINE
Joseph A. Chenicek, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 21, 1941, Serial No. 375,262
7 Claims. (Cl. 44—66)

1. In the stabilization of olefinic distillates

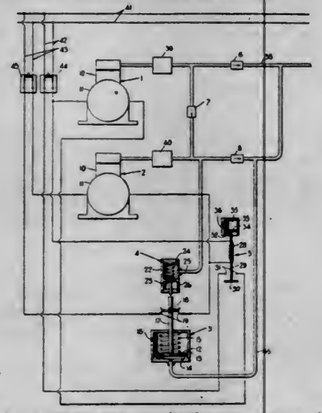
against gum formation by the addition of gum inhibitors thereto, the method of increasing the effectiveness of the gum inhibitor which comprises incorporating into the distillate, in addition to the inhibitor, an ammonium salt of an organic carboxylic acid.

2,295,774
PUMP VALVE
Jeff Corydon and Herbert E. Hollberg, Providence, R. I.
Application February 26, 1941, Serial No. 380,629
7 Claims. (Cl. 251—144)



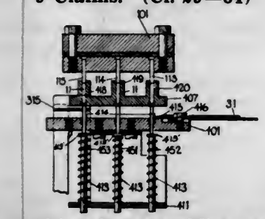
2. In a valve construction for a device of the character described, the combination of a transparent plastic body member, a valve comprising a spherically shaped rubber body portion with an integrally formed rubber arm extending normally to the plane of the valve seat, a transparent plastic valve cage formed with a bore adapted to receive the arm on said valve, said arm being arranged to engage the inner end of said bore when the body portion of said valve is in seated position so as to yieldably restrain said valve against movement and transparent plastic means to maintain said valve cage in effective position.

2,295,775
COMPRESSOR CONTROL APPARATUS
Philip L. Crittenden, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 31, 1940, Serial No. 363,661
17 Claims. (Cl. 230—18)



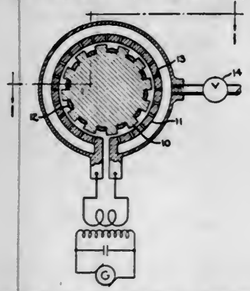
1. In a compressor control apparatus, in combination, a pipe, a plurality of compressors operative to deliver fluid under pressure to said pipe, means including unloading chambers connected to each of said compressors and operative to unload the compressors when starting up, means for controlling starting and stopping of said compressors in accordance with the pressure delivered to said pipe, and means operative while the compressors are stopped for venting said unloading chambers to render them effective when the compressors are started up.

2,295,776
ASSEMBLING MACHINE
John B. Curtis, Nichols, and Wilfred V. Mounts and Warren S. Reynolds, Stratford, Conn., assignors to Remington Arms Company, Inc., a corporation of Delaware
Application May 13, 1939, Serial No. 273,400
9 Claims. (Cl. 29—84)



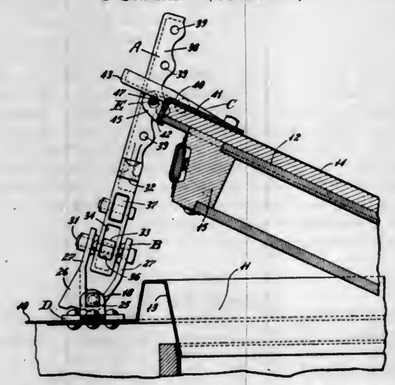
1. In a machine for assembling pocket knives comprising a spring and other parts to be assembled, the combination of a frame, a die bed fixed to said frame and having at least two locating pins upon which to assemble the unstressed spring and other parts, means pivotally mounted on said die bed for inserting permanent pins in place of the said locating pins, means pivotally mounted on said frame and movable transversely to said die bed to stress the knife spring, and means pivotally mounted on said frame and movable substantially vertically relative to said pin inserting means and said die bed to insert a final permanent pin while the spring is so stressed.

2,295,777
METHOD OF CONTROLLING HEATING AND QUENCHING
Francis S. Denneen, Cleveland, and William C. Dunn, Shaker Heights, Ohio, assignors to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application May 27, 1940, Serial No. 337,426
2 Claims. (Cl. 148—21)



1. A method of regulating hardness in surface zones of a toothed article, the article being adapted to be hardened by heating and quenching, comprising inserting a shield between adjacent teeth of the article, the shield being of varying thickness, placing a conductor in spaced relationship with top portions of the teeth, passing high frequency current thru the conductor to induce heating current in a peripherally extending zone at root portions of the teeth and in lower flank parts of the teeth, permitting heat to drift from the root portions into top and upper flank portions to raise said top and upper flank portions to hardening temperature, and then projecting streams of quenching fluid onto and along the flanks of the teeth to quench said flanks more rapidly than other parts of said teeth, the aforesaid shield being disposed to prevent the streams from impinging against the roots of the teeth, the shield thus retarding the cooling rate and thereby reducing hardness in the said root portions.

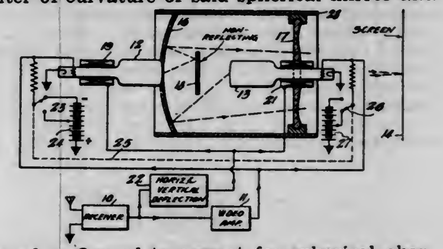
2,295,778
HATCH COVER FASTENER
William M. Dwyer, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application September 2, 1938, Serial No. 228,099
8 Claims. (Cl. 98—7)



1. In a fastener for hatch covers of refrigerator cars, the combination with a hatch cover hinged along one edge thereof; of an abutment member on said cover at the free edge thereof opposite said hinged edge; a lever pivoted for swinging movement in a plane parallel to said free edge; means on said lever adjacent the pivot thereof engageable with said abutment member of the cover for forcing the latter tightly closed; a projection on said lever; and locking means fixedly mounted on the car adjacent the free edge of the cover and with respect to which said cover is swingable, said locking means including a member interlocking with said projection for locking the lever in position to hold the cover closed.

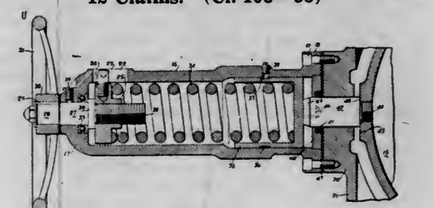
2,295,779
PROJECTION APPARATUS
David W. Epstein, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 17, 1940, Serial No. 353,003
7 Claims. (Cl. 178—7.5)

1. For use in a television system, an optical system comprising a spherical mirror having an opening or window in the center thereof, a plane mirror having its reflecting surface facing said spherical mirror and located between said spherical mirror and its nearest conjugate focus, and a correcting plate located in the region of the center of curvature of said spherical mirror and



shaped or figured to correct for spherical aberration.

2,295,780
SELECTIVE DELIVERY REDUCTION MEANS FOR VARIABLE DELIVERY PUMPS
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Application May 10, 1940, Serial No. 334,406
12 Claims. (Cl. 103—38)

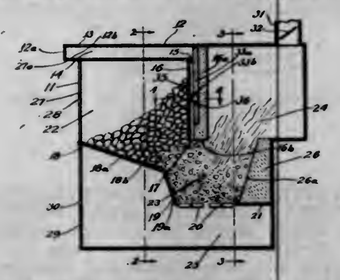


1. In combination, a variable delivery pump for supplying pressure fluid to a fluid-actuated machine which develops different back pressures throughout an operating cycle, a shiftable element in said pump including at least one back-pressure-responsive piston for controlling the amount of fluid delivered by the pump, means positioned at one side of the pump and tending continually to shift said element away from the no-delivery position, means positioned at the opposite side of the pump for moving the shiftable element in the opposite direction in accordance with the back pressure developed in said machine, and means positioned at said opposite side of the pump and including an adjustable screw in line with said piston for controlling the maximum stroke of the shiftable element.

2,295,781
DOWNDRAFT FURNACE
Julian Robert Fellows, Urbana, and John Clem Miles, Champaign, Ill., assignors, by mesne assignments, to University of Illinois Foundation, Urbana, Ill., a corporation of Illinois
Application March 6, 1940, Serial No. 322,562
2 Claims. (Cl. 110—24)

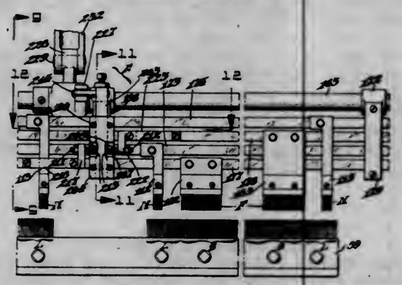
1. A down-draft furnace comprising a coking chamber having an inclined forward grate, means for supplying air to the upper portion of said coking chamber, a coke-burning chamber, a combustion chamber, a baffle wall between said coking chamber and said combustion chamber, the lower portion of said baffle wall forming an ignition surface above the forward portion of said coke-burning chamber, a vertically extending conduit through said baffle wall having an outlet in the lower portion thereof for introducing secondary air into said furnace downwardly near the forward portion of said coke-burning chamber to

mix with and facilitate the combustion of gases emanating primarily from said coking chamber and secondarily from said coke-burning chamber, said coke-burning chamber being disposed adjacent to the lower portion of said coking chamber so that coke burning in said coke-burning chamber will provided an ignition surface for gases emanating from the coking chamber, and means for admitting air into said furnace beneath the coke-burning chamber so as to pass upwardly into



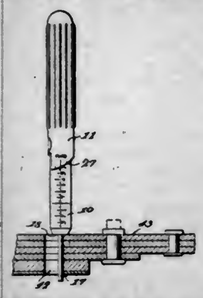
the bed of coke burning therein, the parts having such relative dimensions and being so arranged as to enable the flow of air to the coking chamber and to and beneath the coke-burning chamber in predetermined proportions and to provide reguable, progressive, substantially smokeless combustion of successive charges of fuel, proceeding sequentially through the coking of one charge concurrently with the burning of coke derived from a preceding charge.

2,295,782
METHOD AND MEANS FOR PRODUCING KNITTED ARTICLES
Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application October 8, 1937, Serial No. 167,958
3 Claims. (Cl. 66—82)



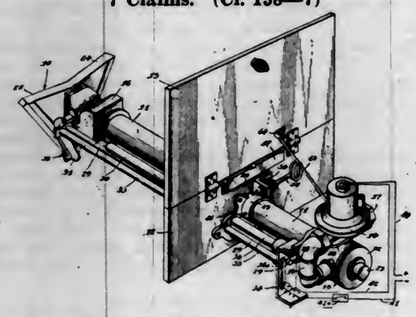
1. A heeler machine having four coplanar point carrying combs per needle or knitting section and four rods, one for operating a given comb for each section, a pair of said rods arranged to operate combs for moving selvage loops inwardly and a pair of said rods arranged to operate combs for moving interior fabric loops outwardly, a shaft pivotally mounted for carrying all said rods down and up, narrowing nuts for moving said first pair of rods to carry a comb on one rod of such pair toward a comb on the other rod of the pair, and means actuated by movement of said shaft for moving said second pair of rods to carry a comb on one rod of such pair away from a comb on the other rod of the pair and to return the combs on such pair to their original positions.

2,295,783
RIVET GAUGE
Stanley C. Greenleaf, San Diego, Calif.
Application September 8, 1941, Serial No. 410,068
8 Claims. (Cl. 33—143)



1. A rivet gauge for determining the length of rivets for holes of predetermined diameters comprising a work-engaging member provided with a rivet length scale having an index means, a companion work-engaging means having an element for projection through the hole in the work being measured and slidably and rotatably connected with said member, said work-engaging means being provided with a rivet diameter scale traversing said rivet length scale and adjustable relatively thereto through rotation of said work-engaging means relatively to said member, and a reading locator on said work-engaging means traversing said rivet length scale for indicating the rivet length for a hole of given diameter when said diameter scale is adjusted to a position for registering that diameter on the scale with said index means.

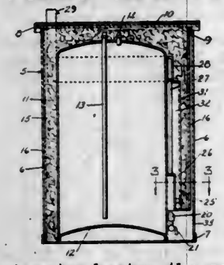
2,295,784
GAS BURNER
Harold E. Handley, Jackson, Mich., assignor to Handley Brown Heater Company, Jackson, Mich., a corporation of Michigan
Application July 27, 1938, Serial No. 221,469
7 Claims. (Cl. 158—7)



1. A gas burner assembly to be used in connection with the fire-box of a building heating unit including an auxiliary closure member for the fire-box opening of said heating unit which comprises a stationary portion adapted to be temporarily and removably mounted in said fuel opening by a thumbscrew operated mechanism, a movable door portion mounted adjacent said stationary portion adapted to open to permit access to the interior of said heating unit, and a gas burner comprising a supply pipe passing through and adjustably mounted in said stationary portion of the closure member connected at its outer

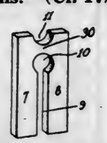
end to a combustible gas supply and having a burner outlet member formed at the inner end thereof.

2,295,785
APPARATUS FOR HEATING FLUIDS
Harold E. Handley, Jackson, Mich., assignor to Handley Brown Heater Company, Jackson, Mich., a corporation of Michigan
Application November 7, 1938, Serial No. 239,280
4 Claims. (Cl. 122—14)



1. In a hot water heater, the combination of a storage tank, inlet and outlet means for water, a heating means, said heating means consisting of a combustion chamber, having a portion of its sides formed by the tank, a gas burner inside said combustion chamber, metal tubes leading from said combustion chamber and spaced from the tank, an absorption chamber having a portion of its sides formed by the tank, and through which the tubes pass, a header at the ends of said tubes which passes around said tank and connects with a vent passage, mirrored surfaces on the inside of the absorption chamber, and a roughened black wall on the parts of the tank forming said absorption and combustion chambers.

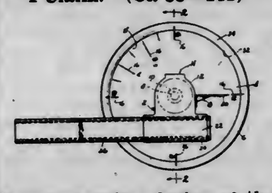
2,295,786
SYNCHRONOUS MOTOR
William L. Hansen, Princeton, Ind., assignor to Hansen Mfg. Company, Inc., Princeton, Ind., a corporation of Indiana
Application April 29, 1940, Serial No. 332,181
12 Claims. (Cl. 172—278)



1. In a synchronous motor a magnetic core, a magnetic field member mounted on one end of said core and having outer pole pieces disposed axially in a substantially cylindrical path and having the same polarity, a second magnetic field member mounted on the other end of said core and having inner pole pieces all of the same polarity but different from that of the axial pole pieces, said inner pole pieces being disposed radially with respect to said second field member, each adjacent pair of said outer and inner pole pieces being constituted of a single metal element, and a field energizing winding associated with said core.

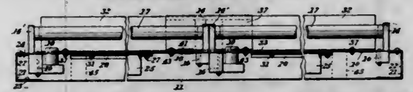
3. As an article of manufacture a pole piece for an electrical motor comprising a piece of magnetic metal provided with a slot which extends from one end of the piece of metal and terminating in a round opening, the portion on one side of the slot being bent angularly with respect to the portion on the other side of the slot.

2,295,787
ROTARY RULE WITH TELESCOPING OR FOLDING HANDLE AND THE LIKE
Edgar F. Hirth, Los Angeles, Calif.
Application April 24, 1940, Serial No. 331,342
1 Claim. (Cl. 33—141)



In a rotary measuring device of the class described adapted for measuring the length units or the fractional part thereof, comprising a vertically disposed measuring disc means, a shaft member in said disc means, a tire member detachably connected to the outside periphery section of said disc means for reducing its wear, a drum means extending sidewardly from said disc means disposed at its center section and in close proximity to said shaft member, measuring indications disposed at the outer surface of said drum means, a revolution counter member connected to said shaft member at a relatively close position to said drum means for registering the number of revolutions completed including any fractional turn made by said vertically disposed measuring disc means, a clip means connected to said revolution counter member, and a folding extension handle means disposed within and held by said clip means for holding and for guiding said rotary measuring disc means while rolling same over the ground surface and during the operation of the device.

2,295,788
SUPPORT AND REFLECTOR FOR LUMINOUS TUBES
John A. Hoeveler, Mount Lebanon, Pa., assignor to Pittsburgh Reflector Company, Pittsburgh, Pa., a corporation of New Jersey
Application December 13, 1940, Serial No. 369,935
2 Claims. (Cl. 240—1)

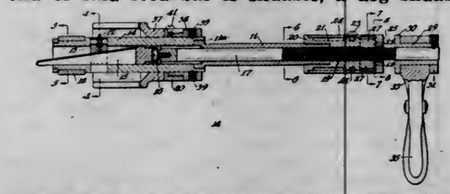


1. A mounting for luminous tubes comprising a sheet metal duct including a cover several times as long as the tubes, having knock-outs spaced therealong adapted to receive lamp-holders and additional knock-outs adapted to receive starting switches, a trough-shaped reflector adapted to be mounted on said duct, said reflector also having starting switch knock-outs, the reflector knock-outs being so positioned as to be in alinement with the starting switch knock-outs in the duct cover when the reflector is mounted thereon, said reflector including sections disposed end to end and connectors between sections, said connectors having knock-outs adapted to aline with both the lamp-holder knock-outs and the starting switch knock-outs of the duct cover.

2,295,789
FLUE CUTTING TOOL
Robert A. Hoorn, Minneapolis, Minn., and William H. Hobbins, Glendive, Mont.
Application July 22, 1940, Serial No. 346,882
2 Claims. (Cl. 30—107)

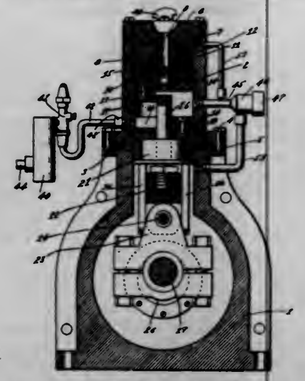
1. Flue cutting apparatus comprising, a cutter

unit, a rotary support for said cutter unit including a tubular shank extending outwardly from said unit, said shank having a portion constituting a motor connection, said cutter being movable substantially radially of said shank, cutter feed means including a cutter feed bar extending through said shank and having a wedge-like member at one end engaging said cutter unit, the opposite end of said feed bar extending beyond the end of said shank and having threads thereon, a sleeve mounted on an end of said shank and lying in concentric spaced relation to the threaded end of said feed bar, said sleeve having an end wall with an aperture through which the end of said feed bar is slidable, a dog slidably



positioned within said sleeve and movable radially between the inner wall of said sleeve and the threaded portion of said feed bar, said dog having threaded portions engageable with the threaded portion of said feed bar, an end face of said dog having a thread formed thereon, a thread on the inner face of said sleeve end wall and in engagement with the threaded end face of said dog, rotational movement of said sleeve relative to said shank causing said dog to move into and out of engagement with the threaded portion of said feed bar, and said dog being rotatable with said shank to provide longitudinal movement of said feed bar relative to said shank when said dog and threaded feed bar portion are in engagement.

2,295,790
VACUUM PRESSURE PUMP
Bennie R. Hopkins, Flint, Mich.
Application July 30, 1940, Serial No. 348,517
5 Claims. (Cl. 230—190)



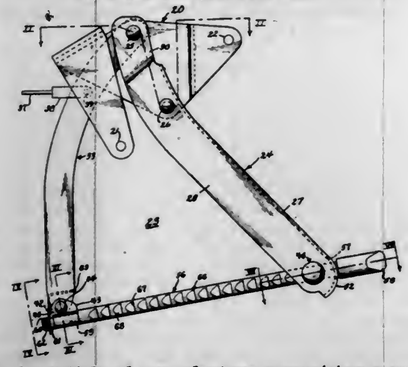
1. A pump of the class described comprising a cylinder having a closed bottom, a piston provided for reciprocatory movement in the cylinder and having a centrally arranged cylinder forming bore therein opening through its top, and a passage connecting the lower end of the bore with the cylinder, an upwardly opening valve for controlling the passage, a top for the cylinder having a centrally arranged depending part forming a stationary piston extending into the cylinder forming bore of the piston, and the top and said stationary piston having a bore passing therethrough, an upwardly opening valve controlling the communication between said bore and said passage and means for reciprocating the movable piston, means for connecting the lower end of the cylinder with a source of fluid supply and a discharge pipe connected with the upper end of the bore in the top of the cylinder.

2,295,791
GUN SIGHT
Arch E. Hornback, Chicago, Ill., assignor of one-half to J. G. McNeil, Chicago, Ill.
Application November 1, 1941, Serial No. 417,463
1 Claim. (Cl. 33—47)



An integral sheet metal sighting attachment for firearms having a trough like portion supported upon the barrel of the firearm with the intersection of the sides of the trough lying parallel to the axis of the bore of the barrel and having resilient depending members adapted to slide over the exterior of the barrel and detachably secure the attachment thereto, the sides of the trough-like member being formed at opposite ends, respectively, with a wing bent to partially obstruct the view along said trough, the free edge of each wing being formed on a curve to apparently intersect the corresponding edge of the other to apparently form a V-shaped notch when sighting along the trough, the surface of each wing visible to the marksman being luminous.

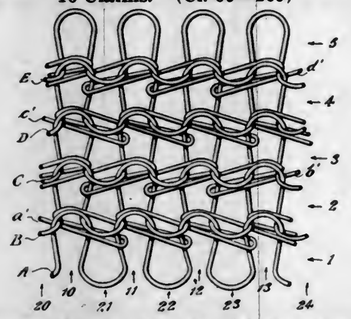
2,295,792
BRAKE LEVER
Herbert S. Jandus, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application June 6, 1940, Serial No. 339,069
20 Claims. (Cl. 74—541)



1. An article of manufacture comprising a support member having spaced bearing portions, an apertured trunnion straddled and pivotally carried by said bearing portions of the support member, an actuating member rotatable between predetermined limits about its own longitudinal axis and slidably extending through said trunnion member and having a series of ratchet recesses therein on opposite sides thereof, and a spring pressed latching mechanism slidably carried by said trunnion member for normally operatively

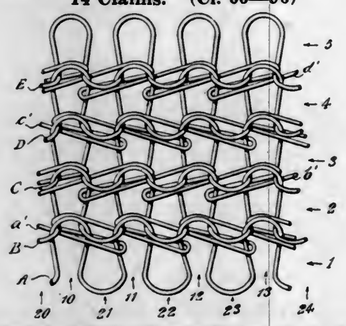
engaging the ratchet recesses in said actuating member and inoperatively engaging smooth areas on said actuating member between said ratchet recesses when the actuating member is rotated about its longitudinal axis.

2,295,793
RUN-RESISTING KNITTED FABRIC
Charles August Kaufman, New York, N. Y.
Application June 7, 1941, Serial No. 397,094
16 Claims. (Cl. 66—169)



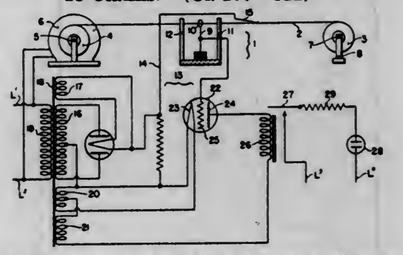
1. Run-resisting knitted fabric comprising basic yarn interlooped in plain knit courses of regular undistorted needle loops and sinker loops, and binder yarn extending substantially from edge to edge of the fabric in selected pairs of adjoining courses wherein both legs of every needle loop and sinker loop are engaged in regularly repeated sequence by the binder yarn which is looped around both legs of a needle loop in one course of each pair of courses and around both legs of an adjacent sinker loop in the other course of each pair of courses.

2,295,794
METHOD OF KNITTING RUN-RESISTANT FABRIC
Charles August Kaufman, New York, N. Y.
Original application June 7, 1941, Serial No. 397,094. Divided and this application April 16, 1942, Serial No. 439,170
14 Claims. (Cl. 66—96)



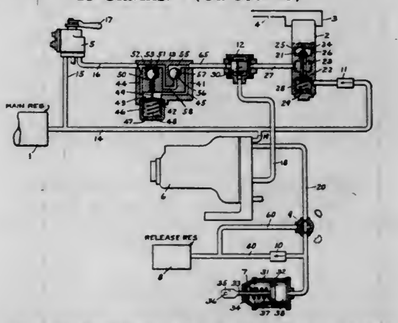
1. The method of producing run resisting knitted fabric which comprises forming a course of plain knit undistorted basic yarn loops upon selected adjoining needles of a bank of needles, indenting a binder yarn between each said selected needle and the next adjoining selected needle, drawing the needle engaged portion of each said binder yarn indentation through a corresponding basic yarn loop without casting off any of the latter, transferring every said basic yarn loop without distortion from the needle upon which it was formed to the next adjoining needle while retaining all the binder yarn loops upon the needles, thereby forming S-shaped loops of binder yarn within the said course of basic yarn loops, then knitting another course of basic yarn loops into each of the previously formed pairs of basic yarn and binder yarn loops, again indenting a binder yarn as aforesaid and continuing the described cycle of procedure.

2,295,795
REGISTERING APPARATUS
Earl A. Keeler, Norristown, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 23, 1938, Serial No. 241,996
13 Claims. (Cl. 177—311)



4. Apparatus for detecting defective filaments projecting from an electrically non-conducting thread including means for imparting an electrical charge to the thread, means normally out of contact with said thread and engaged by said defective filaments for collecting said charge, and a device operated by the second mentioned means upon engagement therewith of said filaments.

2,295,796
BRAKE CONTROL MEANS
Arthur G. Larson, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 30, 1940, Serial No. 326,999
15 Claims. (Cl. 303—3)



1. In a brake system of the type having a spring operated brake apparatus which is maintained in release position by fluid under pressure and which is operative upon a reduction in the pressure of fluid therein for effecting an application of the brakes and also having a brake controlling device operative to a brake release position for effecting the supply of fluid pressure to the apparatus and operative to a brake applying position for effecting the reduction in the pressure of fluid in the apparatus, in combination, means

for admitting fluid under pressure to the apparatus at a rapid rate, and means for controlling the flow of fluid from the apparatus to first provide for a slow reduction in the pressure of fluid in the apparatus until the pressure has been reduced to a predetermined degree and to then provide for a rapid reduction in the pressure.

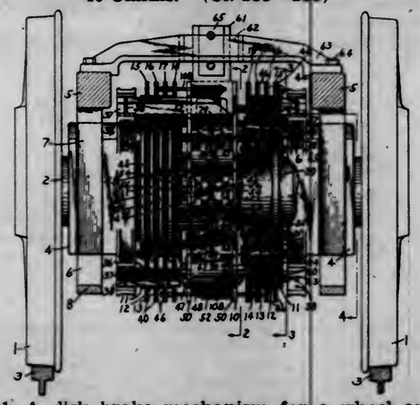
2,295,797

BRAKE MECHANISM

Joseph C. McCune, Edgewood, and George K. Newell, near Pitcairn, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application September 17, 1940, Serial No. 357,134

40 Claims. (Cl. 188—153)



1. A disk brake mechanism for a wheel and axle assembly of a railway vehicle, comprising, a pile of interleaved annular rotatable and non-rotatable friction brake elements encircling said axle and operable upon frictional interengagement to brake said assembly, brake cylinder means for actuating said brake elements, means supporting said brake cylinder means and non-rotatable brake elements, means securing said non-rotatable brake elements against rotation, said axle having two spaced annular collars, a sleeve encircling said axle between said collars and having its opposite ends engaging said collars, means securing said sleeve to said collars for rotation with said assembly, and means carried by said sleeve securing said rotatable brake elements to said assembly for rotation therewith, said sleeve being formed in a plurality of longitudinal sections for application around said axle between said collars, and said sections being rigidly secured together in abutting relation.

2,295,798

PHONOGRAPH RECORD CLEANER

William McKinley, Brooklyn, N. Y.

Application September 18, 1941, Serial No. 411,295

2 Claims. (Cl. 15—246)



1. A phonograph record cleaner, comprising a wiping member having a back provided with a stamped out lug directed upwards and forwards in relation to the forward rotation of a phonograph record, and a tape slipped under said lug and adapted to be attached at its ends on the tone arm of a phonograph.

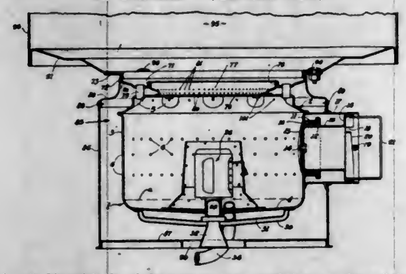
2,295,799

LIQUID FUEL COMBUSTION APPARATUS

Theodore B. Focke, Cleveland Heights, and Joseph R. Kirkpatrick, South Euclid, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio

Application July 14, 1939, Serial No. 284,544

14 Claims. (Cl. 158—91)



1. A liquid fuel burner comprising a bowl having means for admitting air thereto in the region of its peripheral wall, an air distributor situated substantially centrally of the bowl for supplying additional air thereto, an upstanding perforated wall surrounding the air distributor and spaced intermediate the same and the peripheral wall of the bowl, said upstanding wall enclosing a pilot fire space, and means for supplying liquid fuel to said space in limited quantity for pilot fire, and, in greater quantity, to the portion of the bowl outside said space for higher fire.

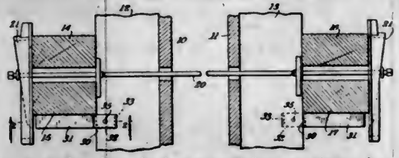
2,295,800

WALER BRACKET

James C. Mushet, Roselle Park, N. J., assignor, by mesne assignments, to Ralph E. Ogden, New York, N. Y.

Application December 3, 1941, Serial No. 421,419

4 Claims. (Cl. 25—131)



1. A waler bracket comprising a strap bent to form two portions at right angles to each other, adapted to abut a side and the outer surface of a vertical stringer of a concrete form, means for securing the portion of the strap which abuts the side of the stringer to the stringer and an arm projecting outwardly from the portion of the strap which abuts the outer surface of the stringer.

2,295,801

TWO-SIZE CAMERA

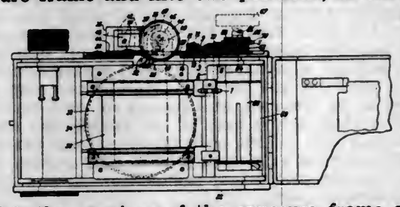
August Nagel, Stuttgart-Degerloch, Germany; vested in the Alien Property Custodian

Application March 28, 1940, Serial No. 326,456

In Germany May 31, 1939

8 Claims. (Cl. 95—31)

1. In a roll holding camera including a camera body, the combination with an exposure frame having an oblong opening therein, of spool chambers on each side of the exposure frame, one for receiving film from the other spool chamber as it is drawn across the exposure frame, a mask plate having an oblong opening of similar size and shape to the opening of the exposure frame, a mount carried by the camera body on which the mask plate may turn adjacent the exposure frame and into two positions, in one of



which the openings of the exposure frame and mask plate may register and in the other of which the two sides of the mask plate and exposure frame form an exposure opening smaller than the oblong openings, and means on the camera body for moving the mask plate relative to the exposure frame.

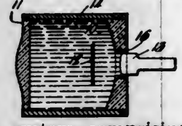
2,295,802

REFLECTIVE OPTICAL SYSTEM

Frederick H. Nicoll, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 1, 1941, Serial No. 400,626

12 Claims. (Cl. 178—7.5)



1. An optical system comprising a light reflecting surface of revolution mirror having an opening or window in the center thereof, a plane mirror having its reflecting surface facing said surface of revolution and located between said surface of revolution and its nearest conjugate focus, a correcting plate located in the region of the center of curvature of said surface of revolution and shaped or figured to correct for spherical aberration, and a transparent material having a higher index of refraction than air filling the space between said surface of revolution and said correcting plate.

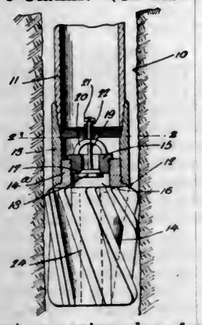
2,295,803

CEMENT SHOE

Charles M. O'Leary, Houston, Tex.

Application July 29, 1940, Serial No. 348,198

9 Claims. (Cl. 166—9)



1. A cement or casing shoe for the lower end of well casing in the setting thereof, including a nose portion having a downwardly tapering body below the casing provided with flexible helically inclined external surface vanes outstanding substantially beyond the diametrical limits of the casing.

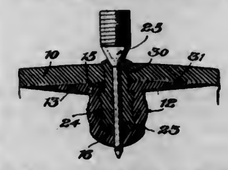
2,295,804

VALVE FOR INFLATABLE ARTICLES

Frank Russell Olson, Lebanon, Pa., assignor to C. B. Webb Company, Lebanon, Pa., a copartnership composed of C. B. Webb and Grace I. Webb

Application November 12, 1940, Serial No. 365,335

7 Claims. (Cl. 273—65)



1. A valve for sports balls and other inflatable articles comprising a valve casing secured to the wall of said article and extending into the interior thereof, said casing being formed of flexible material and provided with an internal hourglass shaped cavity closed at its inner end, a substantially cylindrical valve plug formed of elastic material and provided with a tubular passage extending axially partly therethrough, said plug being provided with a body portion of greater volume than said cavity to place the walls of said cavity under tension when the plug is assembled in the cavity, causing constriction of the passage in said plug body throughout a substantial portion of the length thereof.

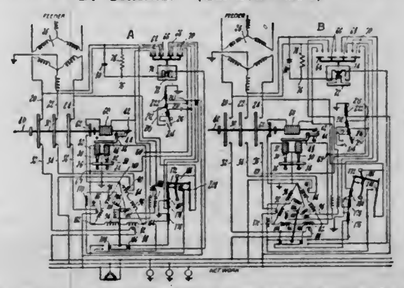
2,295,805

NETWORK DISTRIBUTION APPARATUS

Granville E. Palmer, Cambridge, Mass., assignor to P & B Electric Co., Wakefield, Mass., a corporation of Massachusetts

Application June 2, 1939, Serial No. 277,022

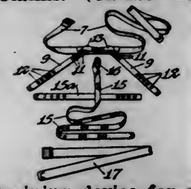
17 Claims. (Cl. 175—294)



1. Network protective apparatus for a feeder connecting a network to a power line, said apparatus comprising a circuit breaker in said feeder, and breaker-operating mechanism responsive to reverse-power flow in said feeder exceeding a substantial predetermined magnitude and to current flow in said feeder in excess of a predetermined magnitude to open said breaker, said operating mechanism including a circuit connected to said feeder and containing a solenoid energizable by current flow of predetermined magnitude in the feeder to cause said breaker to open, a shunt circuit by-passing said solenoid, a switch in said shunt circuit, and a reverse-power device for

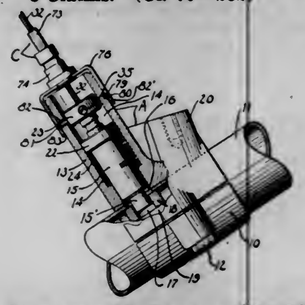
opening said switch when reverse power exceeding a predetermined magnitude flows in said feeder.

2,295,806
ANESTHESIA AND SURGERY RESTRAINING DEVICE
Ralph G. Peterson, Minneapolis, Minn.
Application January 30, 1942, Serial No. 428,837
5 Claims. (Cl. 128—134)



1. In a restraining device for anesthesia and surgery and the like, a belt adapted to be secured about the lower body portion of a patient and overlie his wrists, a pair of wrist straps secured to said belt in relatively closely spaced relation and diverging downwardly from said belt, each of said straps being adapted to be looped upon itself and about a wrist of the patient, quick detachable connectors for holding said straps in their looped positions, and a pair of safety straps secured to said belt and overlying said wrist encircling straps when the latter are in their detachably looped positions to prevent accidental displacement of the quick detachable connectors on said wrist encircling straps.

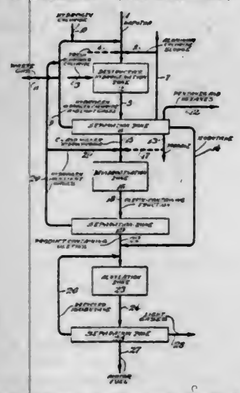
2,295,807
STEERING POST AND IGNITION LOCK ASSEMBLY
Ray A. Sandberg, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 22, 1941, Serial No. 411,793
8 Claims. (Cl. 70—252)



1. A locking assembly for an automobile comprising one frame mounted adjacent to the automobile steering shaft, said frame having a tubular part providing a bore, a locking bolt shiftable in said bore for locking or unlocking said shaft, a second frame mounted remote from said first frame, a plunger shiftable in said second frame, a flexible cable connecting said plunger with said bolt whereby shift of said plunger will cause movement of said bolt to locking or unlocking position, means on said second frame for controlling the shift of said plunger, a flexible protecting sheath for said cable attached at one to said second frame, a cap secured to the other end of said sheath for receiving the end of said tubular part on said first frame, circumferentially extending grooves in the outside of said tubular part and the inside of said cap respectively which grooves align when said cap is applied to said tubular part, a locking spring of less than 360° extent disposed in said grooves tending to lock said cap against removal, said tubular part having an opening, one end of said spring being deflected to extend through said opening into said bore, the inner side of the groove in said cap being beveled whereby outward pull on said cap will engage said bevel with said spring tending to contract it out of the groove in said cap for removal of the cap, and means on said locking bolt located in the path of the spring end when said bolt is in locking position whereby to prevent contraction of said spring upon pull of said cap and thereby preventing removal of the cap from said tubular part

---

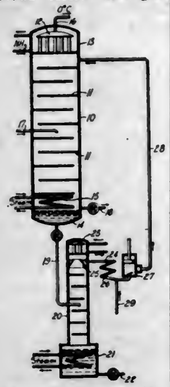
2,295,808
TREATMENT OF HYDROCARBONS
Raymond E. Schaad, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 13, 1940, Serial No. 356,594
8 Claims. (Cl. 196—10)



8. A process for producing anti-knock motor fuel from substantially saturated hydrocarbon oil, which comprises subjecting the oil to catalytic destructive hydrogenation such as to produce a substantial quantity of isobutane, separating from the resultant products an isobutane fraction and a fraction higher boiling than hexane, subjecting the last-named fraction to catalytic dehydrogenation to form normally liquid olefins, commingling the latter with said isobutane fraction, subjecting the resultant mixture to catalytic alkylation to react olefins with isobutane and recovering the resultant alkylate.

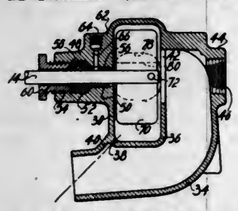
2,295,809
PROCESS FOR THE ELIMINATION OF MOISTURE DIFFICULTIES IN THE SEPARATION OF HYDROCARBON MIXTURES
Paul Schuftan, Richmond, England
Application December 2, 1937, Serial No. 177,754
In Germany January 23, 1937
8 Claims. (Cl. 62—175.5)

1. In a process for the low temperature separation of hydrocarbon gas mixtures compressed to separation pressure and containing propane and moisture, the steps comprising cooling the gas mixture to be separated to a temperature no lower than 7° C. whereby a substantial portion of said moisture is liquefied; collecting and withdrawing the thus condensed moisture; then cooling said gas mixture to a temperature of about 0° C. while maintaining the partial pressure of the water vapor in said gas mixture at a value substantially lower than the partial pressure of



water vapor in equilibrium with propane hydrate at the same temperature; and separating said gas mixture while under the said pressure and temperature environment.

2,295,810
PUMP
Joseph F. Sladky, Racine, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application July 24, 1940, Serial No. 347,221
11 Claims. (Cl. 103—103)

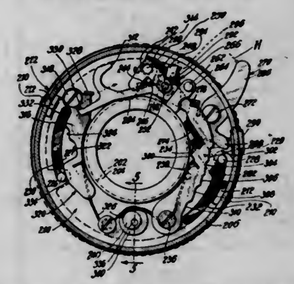


9. A pump body formed as a unitary casting having a hollow disc-shaped portion, a discharge tube extending from the edge of said disc portion, the edge of said disc portion opposite said discharge tube defining an aperture, the faces of said disc portion defining co-axial apertures along a line intersecting another line passed through said discharge tube and the first mentioned aperture in the edge of said disc portion, a flange formed around said discharge tube and arranged to support said pump, an intake passage cast along the outside of said disc and covering one of said first mentioned apertures, and a portion of the outer wall of said intake passage defining an aperture co-axial with said last mentioned apertures.

2,295,811
TREATMENT OF FINELY DIVIDED MATERIAL
Percy Lea Steffensen, Cornwall, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
No Drawing. Application June 17, 1940, Serial No. 341,020
7 Claims. (Cl. 75—5)

1. In the preparation of finely divided metalliferous materials for sintering, the process comprising mixing with the charge a sufficient amount of short, curly wood shavings to open up the charge and thus provide sufficient porosity therein to permit the satisfactory sintering thereof.

2,295,812
PHOTOGRAPHIC SHUTTER
Eric Strassenburg, New York, N. Y.
Application September 7, 1940, Serial No. 355,789
18 Claims. (Cl. 95—62)

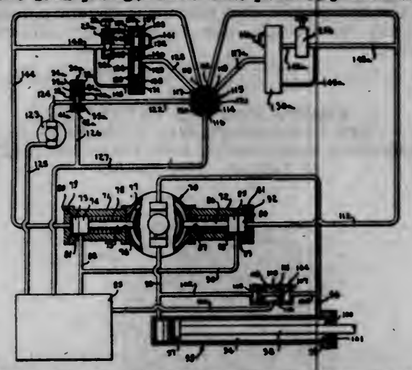


1. A photographic shutter comprising: shutter blades, a spring pressed pivoted main lever for operating said shutter blades, a central abutment, a locking member in the path of said main lever, a trigger for cooperation with said main lever, resilient means connected to said trigger for urging same into its normal inoperative position, a cam-like actuating means arranged on said trigger, said cam-like actuating means being adapted to engage said said main lever for holding same in a tensioned inoperative position against said central abutment when the trigger is in its inoperative position, said main lever abutting against said locking member in a tensioned inoperative position upon the initial releasing movement of said trigger, and a cam-like releasing means arranged on said trigger, said cam-like releasing means being adapted to engage said main lever for releasing same from said locking member to initiate the operation of the main lever in a direction beyond said locking member upon further releasing movement of said trigger, and said cam-like actuating means being adapted to engage said main lever for returning same outside said locking member into said tensioned inoperative position against said central abutment when said resilient means returns said trigger into its normal inoperative position.

2,295,813
HYDRAULIC CONTROL CIRCUIT
Warren R. Tucker, Dayton, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application February 3, 1940, Serial No. 317,102
9 Claims. (Cl. 121—41)

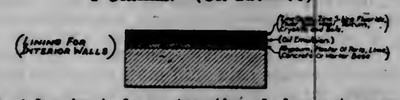
8. In a hydraulic control circuit, a reciprocable member, yieldable means tending to maintain said member in a predetermined position, servomotor means comprising a cylinder having a discharge opening therein, a hydraulically operable plunger movable in said cylinder and directly controlling said opening so as to increase the effective area of said opening when moving in one direction, and to decrease the said area when moving in the opposite direction, a fluid source for supplying pressure fluid to said cylinder for actuating said plunger against the thrust of said yielding means, and choke means interposed between said fluid source and said cylinder for

varying the pressure acting on said plunger to move said plunger into and positively maintain



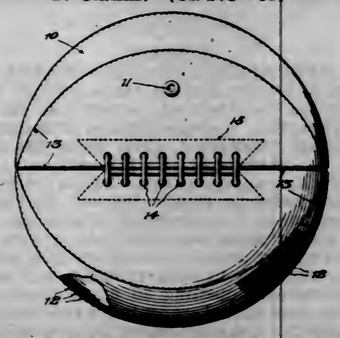
the same in any desired position between its end positions for any desired time.

2,295,814
LAMINATED STRUCTURAL MATERIAL
Karl Wägerle, Ludwigsburg, Germany, assignor to Jacques Waltzfelder, New York, N. Y.
Application November 29, 1938, Serial No. 243,043
In Germany July 26, 1938
8 Claims. (Cl. 117—70)



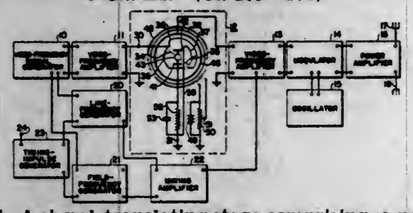
5. A laminated constructional element comprising a first layer forming a base, a second layer applied thereto and composed of a moisture-resisting material, and a third layer comprising a paste formed by zinc oxide, fluosilicate of zinc, a filler, a water soluble alkyl cellulose and water, the paste thereupon being applied to the second layer and allowed to harden.

2,295,815
ATHLETIC PLAYING BALL
Charles A. Webb, Lebanon, Pa., assignor to C. B. Webb Company, Lebanon, Pa., a copartnership composed of C. B. Webb and Grace I. Webb.
Application April 30, 1940, Serial No. 332,601
17 Claims. (Cl. 273—65)



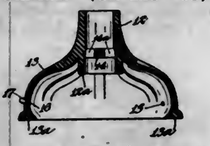
1. An inflated playing ball of the type described, said ball being of single wall thickness formed of a vulcanized homogeneous compound containing rubber, leather flour and a thermoplastic ingredient.

2,295,816
SIGNAL-TRANSLATING STAGE
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application September 9, 1940, Serial No. 355,942
9 Claims. (Cl. 179—171)



1. A signal-translating stage comprising, a pair of signal-input terminals, a vacuum tube including means for forming an electron beam the cross-section of which is limited in at least one dimension and a control grid intersecting said beam and wide relative to the width of said beam in said limited dimension, means for coupling said grid between said input terminals effectively to comprise a voltage divider across its width, and means for deflecting said electron beam in the direction of its limited dimension to control the gain of said stage by the action of said control grid.

2,295,817
VIBRATORY MASSAGE DEVICE
Conrad P. Winther, Paynesville, Minn.
Application March 6, 1939, Serial No. 260,086
4 Claims. (Cl. 128—38)

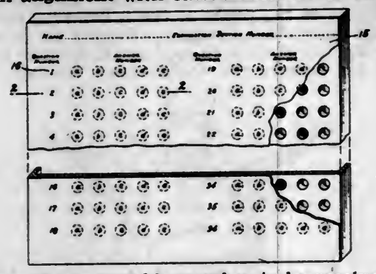


2. A vacuum cup vibratory massage device adapted to be energized by a constant source of partial vacuum comprising a vacuum cup formed with a conduit portion adapted to connect the interior of said cup to said source and having a sealing body contacting edge defining the mouth of said cup, and a weakened zone of flexible elastic material in the wall of said cup intermediate said conduit portion and said edge, the wall of said cup also being provided with an air admission opening considerably smaller than the suction passage in said conduit portion, said opening, weakened zone and suction passage cooperating to regulate flow of air through said cup to cause appreciable vibration thereof when said constant partial vacuum is applied.

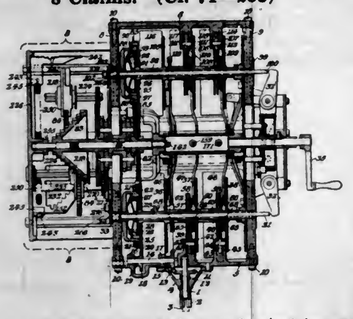
2,295,818
DEVICE FOR RECORDING ANSWERS TO EXAMINATION QUESTIONS
Richard Wistar, Oakland, Calif.
Application June 25, 1941, Serial No. 399,755
2 Claims. (Cl. 35—48)

1. A device of the character described comprising a work sheet holder, a penetratable opaque work sheet to be secured thereover, said work sheet having imprinted thereon indicia indicating a question and a plurality of answers thereto, and means carried by the work sheet holder in register with the indicia indicating the answers for sensibly indicating correct and incorrect answers when the work sheet is penetrated to record the selection of an answer, said means comprising

sockets formed in the work sheet holder, one being in alignment with each indication of an answer, and a removable member to be received by a socket in register with the indication of the correct answer.



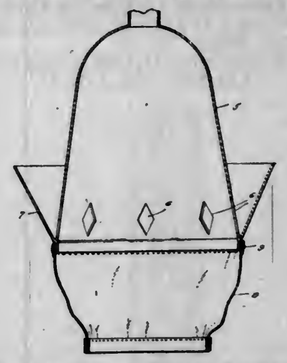
2,295,819
REGISTERING AND COMPUTING MECHANISM
Joseph C. Woodford, Wayne, Pa., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware
Application May 15, 1941, Serial No. 393,504
8 Claims. (Cl. 74—283)



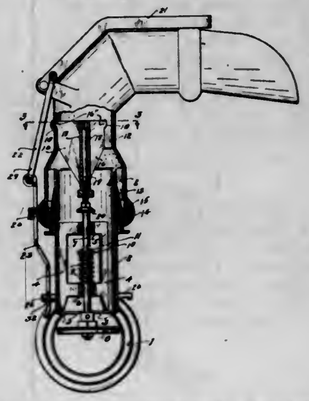
1. In variating mechanism, adapted to operate registering means, including a drive shaft having a cone of gears of different diameters non-rotatably mounted thereon, a plurality of axially parallel supplemental shafts adjacent to said drive shaft, a driven member rotatably mounted on said drive shaft, and differential means rotatably mounted on said drive shaft and connecting said supplemental shafts to said driven member; the combination with a plurality of selector gears; of a plurality of selector gear sliding arm support assemblies, one of which is slidably mounted on each supplemental shaft; means normally effecting engagement of said selector gears with said cone gear; means for effecting substantially simultaneous disengagement of all of said selector gears from said cone gear; and means for effecting sliding movement of each selector gear when in disengaged position, including a rack shaft in operating relation to each of said selector gears and a pinion gear in operating relation to each of said rack shafts.

2,295,820
HAIR DRIER
Mary E. Wright, Milwaukee, Wis.
Application August 2, 1941, Serial No. 405,255
4 Claims. (Cl. 34—99)

3. In a hair drier of the character described, a dome provided adjacent the bottom end thereof with heat-escape openings, and a shield having its lower edge integral with the dome and extending about said dome adjacent the bottom edge thereof and projecting upwardly and outwardly from said dome in spaced relation to said openings, the upper edge of the shield terminating above said openings.



2,295,821
VALVE AND PIPE CONNECTION
Chris Wyss, Tillamook, Oreg.
Application November 12, 1940, Serial No. 365,178
1 Claim. (Cl. 284—17)



A valve and pipe connection comprising male and female connecting members, the male member having an interior flange forming a valve seat, a spider in said male member, a valve stem slidably mounted within the spider, a valve carried by the stem seating on the seat including spring means moving the stem to cause such seating, a spider mounted within the female member, said last spider having a split sleeve and legs provided with ears seating within recesses in the female member when the split portion of the sleeve is expanded, a valve operating bar threaded into the sleeve and expanding its split portion, said bar engaging the valve stem and unseating the valve when the male member is inserted in the female member, and means to draw the male member within the female member comprising a lever pivoted to the female member, a link having one end pivoted to the lever, a catch bar pivotally connected to the other end of the link, and movable back and forth on pivoting the lever, and a catch mounted on the male member engaged by the catch bar.

2,295,822
APPARATUS FOR CEMENTING OBJECTS IN WELL BORES
Arthur L. Armentrout, Long Beach, Calif., assignor of one-third to Elwin B. Hall and one-third to Virgil P. Baker
Application September 14, 1940, Serial No. 356,767
14 Claims. (Cl. 166—1)



1. Apparatus of the character described comprising an elongate tubular object to be installed in a well and having a plurality of longitudinally spaced ported parts, a bridging plug for each of said parts having means for locking in the same, a tubular well string for conducting fluid into the well and adapted to be entered into said object and means on the string for simultaneously carrying the several bridging plugs to be successively locked in their respective ported parts as the string is moved in the well.

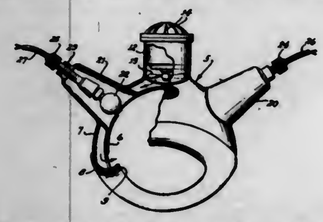
2,295,823
ARTIFICIAL STRUCTURE
Thomas F. Banigan, Kenmore, and Omar E. Snyder, Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 5, 1940, Serial No. 338,850
4 Claims. (Cl. 15—244)



1. A hand size regenerated cellulosic sponge bounded essentially by a rectangular surface of sponge-like porosity, a relatively smooth curved surface intersecting said rectangular surface at opposite boundaries thereof, and two plane surfaces perpendicular to said rectangular and curved surfaces, said sponge structure being characterized by essentially paraboloid-like areas of somewhat reduced strength disposed about an axis centrally located in the said rectangular face and parallel to its boundaries of intersection with the arcuate surface, and with great resistance to tearing normal to said paraboloid areas.

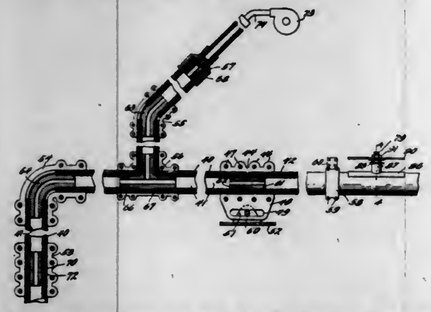
2,295,824
THERAPEUTIC HAIR DRIER
Mary N. Batsel, North Hollywood, Calif.
Application December 3, 1940, Serial No. 368,341
4 Claims. (Cl. 34—99)

1. Apparatus of the class described comprising a hood having an inner and outer shell, the outer shell being substantially parallel to said inner shell and having a curved flange at the lower edge thereof forming an annular opening substantially in the plane of the lower edge portion of said inner shell, means for forcing air between said shells and through said opening, other openings for passing air transversely through said



shells, a plurality of tubular projections attached to and extending through said shells, and a lamp in each of said tubular projections adapted to radiate rays into the opening formed by said inner shell, said air passing over a portion of said tubular projections as it circulates between said shells.

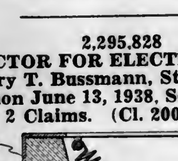
2,295,825
DISTRIBUTION SYSTEM FOR ELECTRICITY
Leonard R. Bogardus, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application July 18, 1939, Serial No. 285,204
8 Claims. (Cl. 174—15)



1. A bus system for supplying single phase alternating current to a load requiring high current at moderate frequency and with minimum voltage drop, comprising in combination, rigid, coaxial, tubular solid material conductors, one of which has such metal distribution as to provide substantially maximum usage of the metal at the said frequency, the other conductor having substantially the same current carrying capacity, the confronting walls of said conductors being radially spaced from each other a distance just sufficient to accommodate the required insulation to provide safety at the operating voltage desired, said insulation comprising rigid self-supporting tubular sections at least as long as the conductors and fitting sufficiently loosely between the same to permit field assembly.

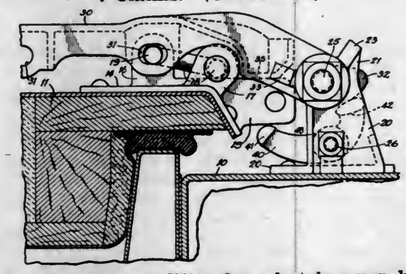
2,295,826
HAT
Adolf Brav, Brooklyn, N. Y.
Application November 18, 1940, Serial No. 366,103
4 Claims. (Cl. 2—187)

1. A hat comprising an outer cover member having an opening formed therethrough, a lining, and a cape member secured to said hat between said lining and said cover member, said cape member being ordinarily housed between



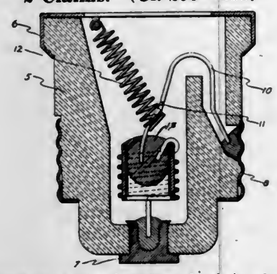
said lining and said cover member and being removable therefrom through said opening.

2,295,827
HATCH COVER LIFTER
Henry D. Breen and Oliver L. Champion, Chicago, Ill., assignors to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application April 21, 1941, Serial No. 389,628
7 Claims. (Cl. 268—74)



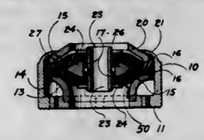
7. A hatch cover lifter for a hatch cover, having a tongue thereon, comprising an operating lever designed to overlie said hatch cover in closed position, a pivot for said operating lever whereon said operating lever may be swung clear of said hatch cover, a cam on said operating lever, a rocking crank, a pivot therefor, and arms on said crank engageable by said tongue and said cam respectively, said pivots being so located with respect to each other that when said operating lever is swung from its position overlying said hatch cover said cam will engage said rocking crank and will lift said hatch cover and will then clear said rocking crank so that movement of said hatch cover will not be imparted to said cam and operating lever.

2,295,828
PROTECTOR FOR ELECTRIC CIRCUITS
Henry T. Bussmann, St. Louis, Mo.
Application June 13, 1938, Serial No. 213,326
2 Claims. (Cl. 200—123)



1. A unitary protector for electric circuits comprising a thermal interrupter and a short-circuiting strip that are in series relation and are adapted to give dual protection to the said electric circuits, said thermal interrupter being normally maintained in closed circuit position by heat softenable material that is arranged to be heated by current passing through the protector, said thermal interrupter having a portion thereof that is biased toward open circuit position and is adapted to be moved into open circuit position when the said heat softenable material reaches its softening temperature, said short-circuiting strip having a portion thereof intermediate its length that has a reduced cross-sectional area, said portion having a substantially uniform cross-section for a total length at least as great as the width of the said portion, whereby the longitudinal center of the said portion is relatively thermally remote from the portions of the said strip having larger cross-sectional area and can be fused quickly since the heat generated therein will not be conducted readily to the said larger portions, said strip being so dimensioned that it will fuse only when the protector is subjected to relatively large overloads, said thermal interrupter and said short-circuiting strip being arranged so that when the circuit is opened on relatively small overloads by movement of the said biased portion of the thermal interrupter to open circuit position it is opened only after a substantial time lag and being arranged so that when the circuit is opened by fusing of the longitudinal center of the reduced portion of the short-circuiting strip on relatively large overloads it will be opened quickly.

2,295,829
VIBRATION DAMPENER
Bert G. Carlson, Willobee, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application November 29, 1940, Serial No. 367,815
10 Claims. (Cl. 248—358)

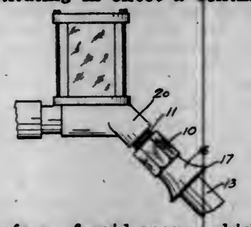


1. A vibration dampener embodying an annular member and an inner article supporting member, a pair of superposed rubber discs secured to the annular member, a spacing collar encircling the inner supporting member and interposed between the rubber discs to anchor said discs thereto, a liquid damping medium between said discs and means disposed between said discs to limit the axial movement of the inner supporting member.

2,295,830
HOSE COUPLING
Lester A. Carlson, Pittsburgh, Pa., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application November 26, 1940, Serial No. 367,431
2 Claims. (Cl. 138—61)

1. A hose coupling comprising a body formed on one end with means for attaching it to a support and formed on the other end with a recess having generally cylindrical walls and of suitable diameter to receive and fit snugly about a hose, said body being formed with a central bore having a tubular element fixedly secured therein and extending into said recess in position to engage the inner surface of a hose to secure the hose to

the coupling, and a stiff guard member having the inner end thereof extending into said recess and rigidly secured to said body and having the outer end thereof extending beyond said body and formed with a bell mouth, the inner surface of said guard member having a generally cylindrical portion constituting in effect a continuation of

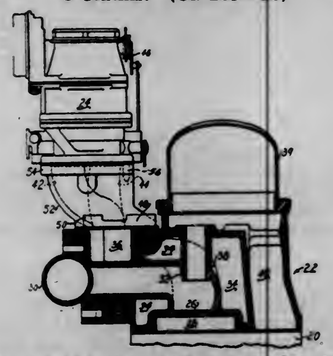


the inner surface of said recess which extends beyond the end of said inner tubular element for a distance sufficient to prevent substantial displacement of the portion of the hose adjacent the end of said element when the hose is pulled sideways, whereby the area of attachment and the area of flexing of said hose are effectually separated.

2,295,831
DETERGENT COMPOSITION
Coleman R. Caryl, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 12, 1939, Serial No. 289,825
2 Claims. (Cl. 252—138)

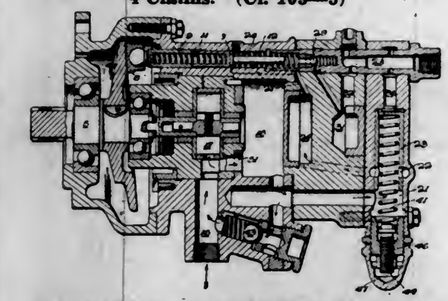
1. A wetting, sudsing and detergent agent comprising a spray-dried mixture comprising 5–15% by weight of a sulfosuccinic ester of an aliphatic alcohol having from 5–8 carbon atoms, 5–20% by weight of a water-soluble salt of pyrophosphoric acid, and at least 50% by weight of a water-soluble, non-hygroscopic carrier which is stable at spray-drying temperatures and which exhibits when in a saturated solution a pH value between 6.5 and 8.5.

2,295,832
MANIFOLD
Guy A. Chedister, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application April 6, 1940, Serial No. 328,173
8 Claims. (Cl. 123—52)



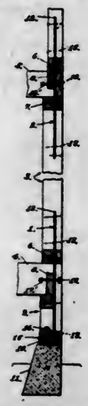
1. In combination with an engine having a manifold along the top thereof, a carburetor for said engine defining two ports positioned in a line transverse to said manifold, and a cover for said manifold defining two passages opening in two transversely positioned ports in the top of said cover and in two longitudinally positioned ports over said manifold, said carburetor being secured to said cover over said top ports.

2,295,833
PUMPING MECHANISM
Desire J. Deschamps, Rutherford, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 16, 1941, Serial No. 393,825
4 Claims. (Cl. 103—5)



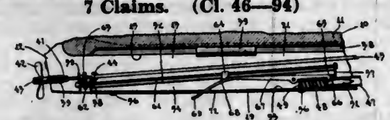
1. In a device of the character described, the combination with a source of fluid of a series of fluid receiving chambers disposed in parallelism at equal distances from a common axis, booster means rotatable about said common axis for feeding fluid from said source to said chambers at a pressure greater than that at which the fluid is taken from said source, and means in said chambers for increasing the pressure of said fluid until a predetermined maximum pressure is attained.

2,295,834
METAL REINFORCING FOR WOODEN FRAME BUILDINGS
William F. Drew, Los Angeles, Calif.
Application September 22, 1939, Serial No. 296,083
14 Claims. (Cl. 20—1)



2. A metal-reinforced wooden framing for buildings including a plurality of connected wooden frame members certain of which are disposed in laterally spaced relation to one another, a metal sheet extending edgewise transversely through parallel to and between and joining said spaced members, and means for securing said spaced members to said sheet.

2,295,835
TOY SUBMARINE
Erling Wallace Eklof, Minneapolis, Minn.
Application January 11, 1940, Serial No. 313,417
7 Claims. (Cl. 46—94)



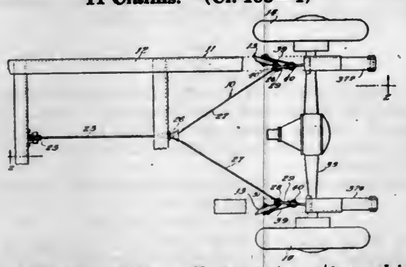
1. A toy submarine comprising a hull, the upper portion of which is formed with a float constructed of wood and the lower portion of which is constructed with a sheet metal shell having spaced sides adapted to engage the float, propelling mechanism for the submarine disposed within said shell and beneath said float, and submerging fins bent outwardly from the sides of the shell at the upper edges thereof, portions of said fins being free from the sides of the shell to permit of bending of the same.

2,295,836
RUDDER REFLEX DEVELOPER
William I. Fernald, Glendale, Calif., assignor to Corliss C. Moseley, Beverly Hills, Calif.
Application November 4, 1941, Serial No. 417,802
4 Claims. (Cl. 35—12)



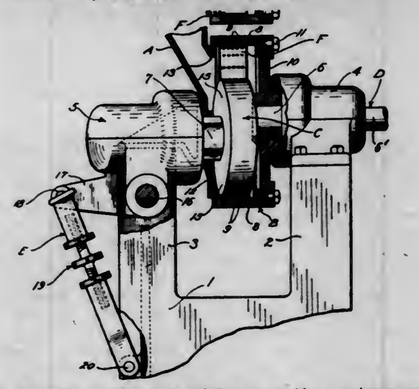
1. A device of the type described comprising: a base member, a frame having a seat thereon, means rotatably supporting said frame on said base member, pedal means including right and left pedals, means supporting said pedal means for forward and rearward movement of said pedals with respect to said frame, yieldable connecting means directly connecting said pedal means to said base member for yieldably retaining said frame in a predetermined position of rotation with respect to said base and yieldably retaining said pedals in neutral position.

2,295,837
AUTOMOTIVE VEHICLE ANTISKID DEVICE
William E. Gerth, Chicago, Ill., assignor of forty-nine per cent to Karl Brenner, Chicago, Ill.
Application January 21, 1942, Serial No. 427,577
11 Claims. (Cl. 188—4)



1. In combination with an automotive vehicle, an anti-skid device comprising a pair of normally raised and ineffective yieldable tire-engaging and ground-gripping members each adapted to be moved into lowered and effective position in engagement with and below the tread of the tire of one of the rear wheels of said vehicle so as to be pressed by the weight of the vehicle into frictional engagement with a slippery surface over which the said vehicle may be moving so as to prevent or retard skidding of the vehicle, means for supporting said tire-engaging and ground-gripping members upon said vehicle, means for guiding said tire-engaging and ground-gripping members into and out of raised or ineffective position and into and out of lowered or effective position including a device for moving said tire-engaging and ground-gripping members axially outwardly relative to the said rear wheels of said vehicle during movement of said tire-engaging and ground-gripping members into lowered or effective position and axially inwardly relative to the said rear wheels of said vehicle during movement of said tire-engaging and ground-gripping members into raised or ineffective position, means for latching said tire-engaging and ground-gripping members in lowered or effective position beneath the tread of the tires of the rear wheels of said vehicle, and means for unlatching said tire-engaging and ground-gripping members for movement from effective or lowered position beneath the tires of the rear wheels of the said vehicle and for moving said tire-engaging and ground-gripping members into raised or ineffective position including a manually operable control member arranged in the driver's compartment of said vehicle.

2,295,838
PELLET MILL
Herbert L. Glaze, South Pasadena, Calif., assignor to William K. Booth, doing business as Equipment Engineering Company, Los Angeles, Calif.
Application April 17, 1937, Serial No. 137,548
7 Claims. (Cl. 107—8)

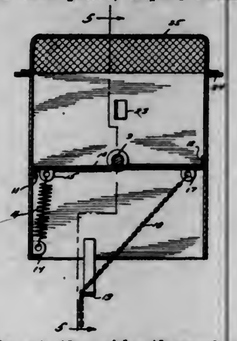


1. A pellet mill comprising coacting rotary cylindrical members adapted to compress between them material to be formed into pellets, means for rotating one of said members, one of said members having pellet forming orifices, and means for supporting said members in axially skewed tangential relation, with the axes of said members disposed in parallel planes.

2,295,839
OVERHEAD CHIMNEY DAMPER
Kermen C. Grigsby, Waukegan, Ill.
Application March 25, 1941, Serial No. 385,171
1 Claim. (Cl. 98—59)

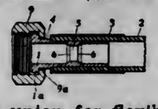
In combination with a chimney, a damper unit comprising a shell fitted into the top of the chimney, a central transverse rock shaft in said

shell, a damper plate in said shell fixed to said shaft and centered relative thereto for opening and closing movement into vertical and horizontal positions, respectively, a coil spring connected to one side of the damper plate and to said shell for moving the plate toward closing position, an abutment ledge in said shell for limiting closing movement of said plate, a pull chain connected



to said plate at the side thereof opposite the spring connected side and for moving said plate into opening position, said chain extending down said chimney, a depending U-shaped guide on said shell adjacent one side thereof for guiding the chain to hang therefrom at one side of the chimney, and an abutment stop above said shaft for limiting opening movement of said plate.

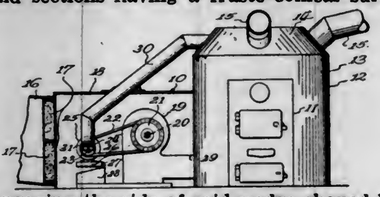
2,295,840
UNION FOR FLEXIBLE TUBING
William Horace Grint, Slough, England
Application August 4, 1938, Serial No. 223,090
In Great Britain August 12, 1937
2 Claims. (Cl. 285—84)



1. A tubular union for flexible pipes adapted to be inserted in the pipe and comprising a narrow internal annular projection near one end of substantial radial thickness, the opposite end having a flange projecting beyond the end of the flexible pipe, a screw threaded nut free to rotate thereon, and a separate external rigid cylindrical member with an internal bore of substantially the same diameter as the external dimensions of the flexible pipe fitting over the outside end of said pipe whereby on the insertion of a ram into the union to engage the annular projection, said projection and approximately one-half of the adjacent wall only of the tubular union will be forced radially outwardly to compress the flexible pipe between the external surface of the union and the internal surface of the rigid cylindrical member whereby on withdrawing the ram an internal bore slightly less in diameter than that of the flexible pipe remains with the internal diameter of the union in the plane of the projection less than the minimum diameter of the pipe.

2,295,841
HEATING SYSTEM
William W. Hallinan, Mendota, Ill.
Application October 26, 1939, Serial No. 301,325
11 Claims. (Cl. 236—10)

4. In a heating system, the combination of a source of heat with a housing forming a plenum chamber about said source of heat, said housing having a hot air outlet and a cold air inlet, said outlet and inlet being connected with a space to be heated, a blower connected in circuit with said outlet and inlet for the purpose of forcing air through said plenum chamber, said outlet, and back through said inlet from the space to be heated, a motor for driving said blower, said motor and blower being provided with V pulleys, a wedge-shaped belt engaging said V pulleys, one of said pulleys being formed of a pair of sections slidably mounted with respect to each other, each of said sections having a frusto-conical surface



for engaging the side of said wedge-shaped belt, and thermostatic means rotating with one of the sections of said latter pulley for controlling the sliding movement of one section relative to the other and controlling the effective diameter of said pulley, said thermostat and sectional pulley being so arranged that the speed of operation of the fan increases with increase of temperature of the thermostat, and means for subjecting the expansible fluid in said thermostat to heat from said furnace, comprising a hot air conduit leading from said furnace housing and discharging hot air on said thermostat when the blower and furnace are operating.

2,295,842
METHOD OF TREATING MAGNESIUM
Joseph D. Hanawalt and Charles E. Nelson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 16, 1940, Serial No. 365,986
7 Claims. (Cl. 148—6)

1. A method of coating a light metal article comprising subjecting an article of magnesium and its alloys having a corrosion rate of not substantially more than 0.2 milligram per square centimeter per day to the action of an aqueous solution containing a salt selected from the group consisting of chlorides, bromides, and iodides of the metals located above aluminum in the electromotive series of metals at a temperature between about 85° and 120° C. for from ½ to 30 hours whereby a smooth non-pitted coating is produced on said magnesium article.

2,295,843
METHOD OF TREATING MAGNESIUM
Joseph D. Hanawalt and Charles E. Nelson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 16, 1940, Serial No. 365,987
6 Claims. (Cl. 148—6)

1. In a method of producing a coating on an article of magnesium and its alloys having a corrosion rate of not substantially more than 0.2 milligram per square centimeter per day, determined by measuring the average loss in weight of the magnesium specimen alternately immersed

for 1 minute in a 3 per cent sodium chloride solution held at 30° C. and exposed to air for 2 minutes for an extended period of time, the step which comprises subjecting the article to the action of a liquid consisting entirely of water at a temperature of between about 85°–100° C. at normal atmospheric pressure.

2,295,844
PROCESS OF SPINNING CUPRAMMONIUM CELLULOSE SOLUTIONS
Franz Hoelkeskamp and Ewald Knehe, Wuppertal-Barmen, Germany; vested in the Alien Property Custodian
No Drawing. Application January 18, 1940, Serial No. 314,562. In Germany January 18, 1939
4 Claims. (Cl. 18—54)

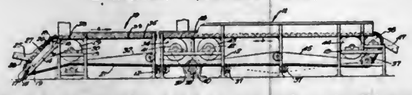
1. In the method of producing filaments, fibres, threads and the like having a uniform hand and dye affinity from cuprammonium cellulose spinning solutions by the stretch-spinning process, the step which comprises spinning a cuprammonium cellulose solution into water containing about 30–500 milligrams per liter of an alkali metal silicate, said water having a temperature of about 21–35° C.

2,295,845
PHOTOGRAPHIC FILM ROLL
Lincoln C. Holmes, Clear Lake, Wis.
Application October 17, 1939, Serial No. 299,909
3 Claims. (Cl. 206—59)



1. In a photographic film roll having a spindle, a disk shaped member having an opening therein, an annular collar projecting laterally of the disk from the edge of the center opening, the said collar being slidably fitted on an end of the spindle and the disk disposed transversely at one end thereof, and a plurality of bendable fingers formed integral with the disk member adapted to be bent into clamping engagement with a coin for holding the said coin flat against the outer face of the disk member.

2,295,846
MEANS FOR PROCESSING CANNED FOODS
Albert Horner, Kapaa, Kauai, Territory of Hawaii
Application June 8, 1939, Serial No. 278,111
1 Claim. (Cl. 126—272)



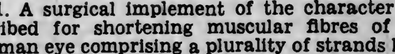
A mechanism for the purpose of controlling the rate of heat exchange of filled approximately cylindrical side walled cans with relation to a heat exchange medium which mechanism comprises an enclosed zone within which a heat exchange medium is present, an endless conveyor having a horizontal run, said conveyor comprising a pair of chains spaced with relation to each other and between which cans may lie on their cylindrical side walls, connecting rods between said spacing chains disposed substantially in the equatorial plane of the cans to engage the periphery of the cans, sprockets around which said chains are led and by which they are driven, an endless belt having a horizontal run parallel to the horizontal run of the sprocket chains and whereby the cans will be supported in the aforesaid relationship to the conveyor chain, pulleys around which said belt is led and by which the belt is driven in a counter direction to the conveyor.

2,295,847
INFANT FEEDING SPOON
Gertrude B. Hume, Claremont, Calif.
Application February 26, 1941, Serial No. 380,651
5 Claims. (Cl. 30—328)



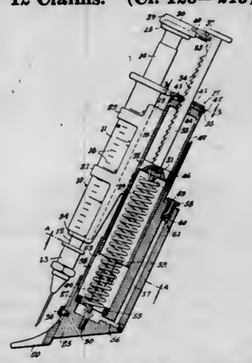
1. An infant feeding spoon comprising a handle and bowl both formed integrally of rubber and the handle being relatively stiff, the bowl being soft to the infant's bite and freely flexible about its juncture with the handle.

2,295,848
SHORTENER CARRIER
Barbara Hood Jones, Oakland, Calif.
Application August 2, 1940, Serial No. 349,402
7 Claims. (Cl. 128—303)



1. A surgical implement of the character described for shortening muscular fibres of the human eye comprising a plurality of strands having end portions only bundled in a deformable material binding said end portions firmly together to provide a relatively long and slender carrier for the strands, the opposite ends of said strands trailing from said carrier in freely separable relation.

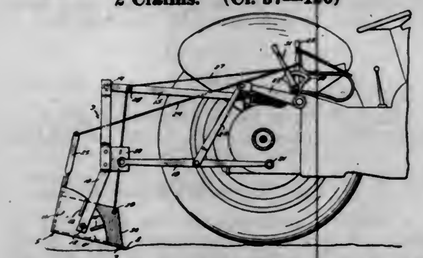
2,295,849
ATTACHMENT FOR HYPODERMIC SYRINGES
Gustave L. Kayden, Great Neck, N. Y.
Application October 25, 1940, Serial No. 362,708
12 Claims. (Cl. 128—215)



8. An attachment for a complete operative syringe having a barrel provided with an attached needle and having a plunger movable in the barrel, comprising: a holding member for fixedly engaging said barrel, a base support, said holding member being slidably associated with said base support, a plunger operator adapted to be locked to said holding member and movable therewith as a unit and also arranged for

sliding motion with respect thereto, a single spring means engaging said base support and engaging said plunger operator and being adapted to effect relative motion between said holding member and said base support and between said plunger operator and said holding member, a lock between said plunger operator and said holding member for securing the two together, means for releasing said lock in response to a predetermined movement of said holding member with respect to said base support under the influence of said spring means whereby said plunger operator will be released to move under the influence of said spring means relative to said holding member.

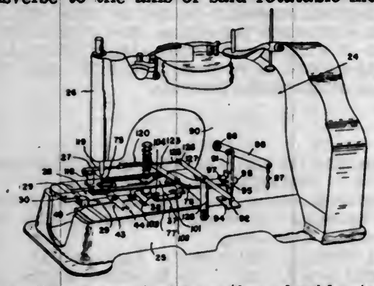
2,295,850
TRACTOR EXCAVATOR
Carl King, Ballston Spa, N. Y.
Application April 3, 1941, Serial No. 386,725
2 Claims. (Cl. 37—126)



1. An excavating attachment for a tractor equipped with an hydraulic lift mechanism, comprising a digging and collecting bucket having a bail pivoted thereto, means for operatively connecting the bail of the bucket to the hydraulic lift mechanism of the tractor, manually manipulated means for swinging the bucket relative to the bail to control the digging angle of the bucket including means for securing the bucket at the desired digging angle, and other manually manipulative means connected with the bucket for swinging the bucket on its pivots relative to the bail to position the bucket for retaining the contents thereof, and including means for securing the bucket in the last-named position; opposed pairs of stop elements on opposite ends of the bucket in the region of the pivotal connections between the bucket and the bail for abutment with the bail to limit pivotal movement of the bucket in either of two directions relative to the bail.

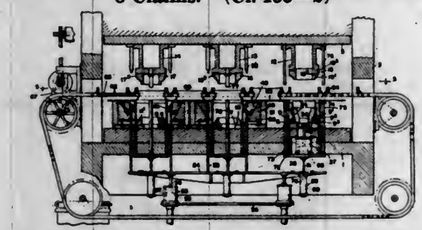
2,295,851
SEWING MACHINE
Fred M. Lee, Detroit, Mich., assignor to American Lady Corset Company, Detroit, Mich., a corporation of Michigan
Application July 20, 1939, Serial No. 285,592
8 Claims. (Cl. 112—105)

7. A sewing machine for sewing fastening elements to material comprising a reciprocating carriage, a base, a bracket, a rotatable member pivoted upon said bracket intermediate the ends of the latter, said rotatable member being adapted to hold a plurality of fastening elements, a pivotal mounting between one end of said bracket and the reciprocating carriage and an arcuate bearing portion at the other end of said bracket engageable with said base, said arcuate bearing portion having its center of curvature in alignment with the axis of the pivotal mounting at the opposite end of the bracket and permitting pivotal movement of said bracket about an axis generally transverse to the axis of said rotatable member



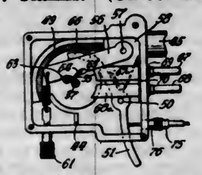
to permit movement of a portion of said rotatable member toward and away from the material.

2,295,852
APPARATUS FOR FORMING WHEEL RIMS
Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application November 20, 1939, Serial No. 305,387
8 Claims. (Cl. 153—2)



1. In an apparatus for forming a wheel rim with a well intermediate its edges, a series of dies for successively operating upon a portion of a rim blank, a holder reciprocable toward and away from said dies, a series of punches carried by said holder for successively operating upon another portion of the rim blank, a conveyor having a portion above said dies for intermittently advancing the rim blank into registration with successive dies in timed relation to the reciprocation of said holder, and means other than said punches and external to said dies operating in timed relation to the reciprocation of said holder for lowering the rim blank from said conveyor portion to a position for engagement by certain of said dies and for raising the rim blank from said dies to a position for engagement by said conveyor portion.

2,295,853
SYNCHRONIZER FOR CAMERAS
George Albert Ley, Chicago, Ill.
Application February 1, 1941, Serial No. 376,999
7 Claims. (Cl. 67—29)



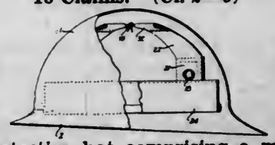
1. In combination with a camera including a shutter and mechanism for releasing said shutter; a battery and light socket container; a bracket for releasably mounting said battery and flashlight container to a portion of said camera; a reflector mounted on the upper end of said battery and the socket container; a manually adjustable synchronizing device for adjusting the time of shutter operation to the time of maximum light produced by said flashlight and including a casing, a spring-impelled rotor journalled therein; a projecting stud on said rotor; a conductive metal contact strip on said rotor; electrical contact elements mounted in a wall of said casing and all projecting interiorly so as to be bridged by said contact strip to form a part of the circuit between the flashlight batteries and the flashlight socket; manually operable mechanism for normally holding said rotor in cocked position, the release of said last mentioned mechanism permitting spring-impelled rotation of said rotor, such rotation closing said flashlight circuit for a short time interval and operating said camera shutter; a retarding lever pivotally connected to said casing and having adjacent edge recesses opening toward the center of said rotor, said rotor stud being adapted to frictionally engage the first of said retarding lever recesses as said rotor moves clockwise to thereby retard and delay said clockwise rotor movement and manually adjustable spring means for varying and regulating the friction between said rotor stud and the edge defining the recesses of said retarding lever said lever being adapted to additionally impart rotating movement and accelerate the rotative movement thereof as said rotor stud engages the lever edge defining said remaining recess whereby said flashlight circuit is closed an interval before the operation of the camera shutter in order to effect shutter operation at time of maximum light attainment from said flashlight.

2,295,854
CARTRIDGE FOR EXPLOSIVES
Milton F. Lindsley, Jr., Kings Mills, Ohio, assignor to The King Powder Company, Kings Mills, Ohio, a corporation of Ohio
Application May 24, 1939, Serial No. 275,498
3 Claims. (Cl. 102—4)



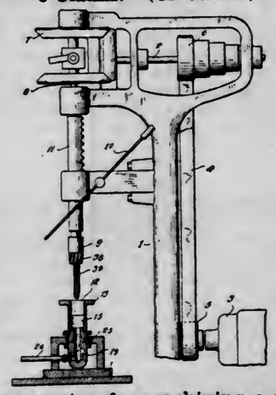
1. A deep well cartridge for explosives, comprising a paperboard tube, strap members for supporting the tube, a truncated conical cap of sheet metal telescopically engaging the tube at one end, the said strap members being arranged in the form of loops which are spaced apart and which extend around the end of the tube with which the said cap is associated, the said cap having apertures therein, with the strap members being threaded through the cap apertures so as to pass over the outside of the cap end and pass under the side walls of the cap along the tube, whereby the cap holds the straps in spaced relationship, the said strap members extending along the tube and over the other end thereof with the ends of the respective straps being interconnected to form continuous loops longitudinally around the tube, the said continuous loops cooperating to provide a basket by which the tube may be supported therefrom.

2,295,855
PROTECTIVE HEADGEAR
Frederick R. Ludwell, San Francisco, Calif., assignor to E. D. Bullard Company, San Francisco, Calif., a corporation of California
Application October 18, 1939, Serial No. 299,999
18 Claims. (Cl. 2—3)



4. A protective hat comprising a mat of unwoven strands of fibrous material treated with formable plastic material and consolidated therewith under heat and pressure to produce a rigid crown and brim, the strands of the strand material being substantially uniformly distributed and embedded in the plastic material in unoriented relation relative to each other and being individually bonded together by plastic filling the interstices between the fibers throughout the thickness and area of the crown and brim with portions of many of the unoriented strands extending across the thickness of the body for providing a bond between the inner and outer surfaces thereof.

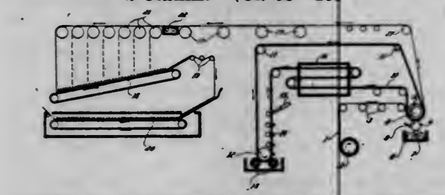
2,295,856
APPARATUS FOR MACHINING PREFORMED HOLES
Marion Mallory, Detroit, Mich., assignor to The Mallory Research Company, Detroit, Mich., a corporation of Michigan
Application April 28, 1939, Serial No. 270,623
6 Claims. (Cl. 77—62)



6. An apparatus for machining a plurality of axially aligned portions of a preformed hole in an article, one of said portions having been previously machined, said apparatus comprising a floating locator arranged to engage the said article adjacent an end of said hole, a machining tool adapted for advancement into said hole

in the article for machining the same, a guide member and a pilot member, one of which is carried by the locator and the other of which is carried by the machining tool, said pilot member being adapted for advancement into said guideway preparatory to the machining operation, and a second pilot member carried by and in axial alignment with the machining tool adapted for advancement behind the machining tool into the previously machined portion of the hole whereby during the machining operation on said unmachined portion of the hole the first mentioned pilot member, guide member and the second pilot member cooperate to axially align the locator, the portion of the hole to be machined, the machining tool and the portion of the hole previously machined.

2,295,857
APPARATUS FOR MAKING PLISSE CREPE
Thomas McConnell, deceased, late of Northampton, Mass., by Hugh McConnell, executor, Northampton, Mass., assignor to Hampton Company, Easthampton, Mass., a corporation of Massachusetts
Application January 31, 1940, Serial No. 316,562
2 Claims. (Cl. 68—13)

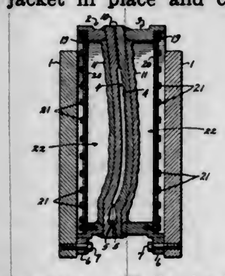


1. In an apparatus for making plissé crepe and including mechanism for imprinting upon one side of a moist web a mercerizing agent in a predetermined pattern; means for receiving the printed web and supporting it without warpwise or weftwise tension to permit shrinkage of the web, said means comprising a pair of superposed conveyors having their upper surfaces running in opposite directions and traveling at a lower rate of speed than the advancing web, means to feed the web from the first conveyor to the second without warpwise or weftwise tension, and a plurality of guide rolls positioned to direct the leading end of the web into contact with the uppermost conveyor at one of a number of points along the length of the conveyor whereby the total travel of the web on the conveyors can be varied without changing the speed of the conveyors.

2,295,858
WATER JACKETED MOLD AND METHOD OF MAKING SAME
Henry E. McWane, Lynchburg, Va.
Application June 29, 1939, Serial No. 281,972
6 Claims. (Cl. 29—148.2)

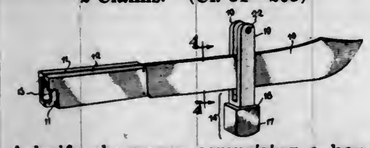
1. A water-jacketed mold comprising a mold face of metal highly resistant to checking under repeated heating and cooling, a backing and side walls therefor, said backing being built up from relatively small particles of metal welded on the face and built up into a back of the required thickness, the said side walls being welded in place as the backing is built up.

5. A method of forming a water-jacketed mold comprising the steps of forming a mold cavity, building up the backing by welding relatively small particles of backing metal thereon and simultaneously welding the side walls of the water jacket in place and continuing the



building up process until the backing is of the desired thickness.

2,295,859
KNIFE SHARPENER
John Murray, Cincinnati, Ohio, assignor of thirty-five per cent to Chester Tietig, Cincinnati, Ohio
Application January 2, 1941, Serial No. 372,798
2 Claims. (Cl. 51—205)



1. A knife sharpener comprising a handle or butt portion, two blade portions extending forwardly from said butt portion so as to enclose a long narrow slot between said blade portions and a forward portion joining the tops of said blade portions, said blade portions having abrasive surfaces.

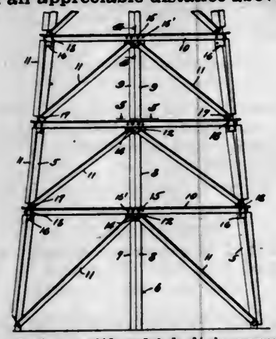
2,295,860
SERVICE TRAY
Elmo F. Oliver, Los Angeles, Calif., assignor of one-third to James Armstrong and one-third to John B. Bane, both of Los Angeles, Calif.
Application January 9, 1940, Serial No. 313,066
6 Claims. (Cl. 65—53)



4. A service tray having a bottom and an upstanding marginal rim, there being an elliptically shaped thumb receiving opening in the tray adjacent said rim, the margin of the tray having a notch in the rim adjacent the opening with that side of the notch most adjacent the opening approximately paralleling the length of the opening.

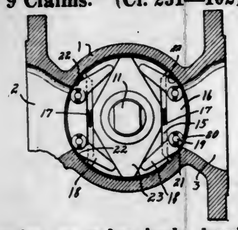
2,295,861
DERRICK OR TOWER CONSTRUCTION
Charles D. Pence and Foster G. Pence, New Bethlehem, Pa.
Application July 30, 1940, Serial No. 348,571
2 Claims. (Cl. 189—13)

2. A portable sectional tower, comprising corner leg members, a plurality of removable units adapted to be secured to the leg members, each unit embodying an upper horizontal bar, a wide plate secured intermediate the ends of the horizontal bar, a portion of the plate extending an appreciable distance below the horizontal bar, a pair of vertical angle bars secured to the wide angle plate, one of the vertical bars of each pair extending an appreciable distance above the hor-



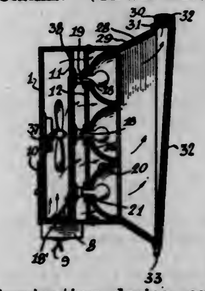
izontal angle bar with which it is connected, angle bars connected with the angle plate and disposed at an oblique angle with respect to the corner leg members, corner angle plates to which the lower ends of the obliquely disposed angle bars and horizontal bars are connected, said angle plates adapted to be fitted around the corner leg members, and said corner angle plates being secured to the leg members, securing the units to the leg members.

2,295,862
VALVE
Robert L. Ohls, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application May 4, 1942, Serial No. 441,574
9 Claims. (Cl. 251—102)



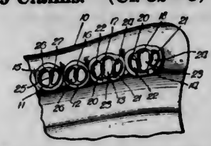
1. In a valve, a valve body having a ported valve chamber, a carrier rotatably mounted in said chamber, a closure member mounted on said carrier with a lost-motion connection between the same and the carrier and retractable from the wall of said chamber, means for rotating said carrier to displace the closure member to and from closed position after taking up the lost motion between the carrier and closure member, a lever pivotally connected at one end to the closure member at one end of the latter adjacent an edge thereof which is a leading edge in one direction of movement to and from the closed position, said lever having a fulcrum intermediate its ends to engage the wall of the valve chamber, and means on the carrier in engagement with the free end of said lever and operable during the taking up of the lost motion between the carrier and closure to press the fulcrum of the lever against the chamber wall and retract the portion of the closure to which the lever is pivoted from the chamber wall.

2,295,863
ILLUMINATING DEVICE
Charles Paradis, Montreal, Quebec, Canada
Application July 25, 1941, Serial No. 404,061
2 Claims. (Cl. 240—47)



1. In an illuminating device, an open front housing, a plate mounted therein and adjustable from front to rear of said housing, a reflector plate forward of the first plate, reflectors carried by said reflector plate, said reflectors and reflector plate having aligned openings, lamp receptacles carried by the first plate and adapted to extend through said openings, means for adjusting said first plate, said housing having air vents in its top and bottom at opposite sides of said plates, said plates having ports adjacent said reflectors for passage of air therethrough, and a circulating fan in said housing adapted to circulate air through said bottom vent, ports and top vent respectively.

2,295,864
ARTIFICIAL TOOTH
Charles H. Prange, Short Hills, N. J., assignor to Dental Research Corporation, Chicago, Ill., a corporation of Illinois
Application January 4, 1941, Serial No. 373,059
5 Claims. (Cl. 32—8)



1. An artificial tooth comprising a resinous tooth body and a metal insert fixedly secured in the occlusal portion of said tooth body and of generally ribbon-like form defining a relatively thin, sharp cutting edge along the biting edge of the occlusal surface of the tooth for use in normal masticating use of the tooth, the generally ribbon-like form of said insert being relatively deep so that the occlusion including said relatively thin, sharp cutting edge may be ground without destroying the relatively thin, sharp character of the cutting edge.

2,295,865
CONTAINER SPOUT
Erwin Rentschler, Irvington, N. J.
Application November 18, 1940, Serial No. 366,092
3 Claims. (Cl. 220—27)

1. A container closure comprising an elongated neck having a body portion screw-threaded to receive a cap thereon, a cap of compressible material adapted to be screwed onto and off of said neck, a head of compressible material formed on said body portion and projecting into said cap, a reduced neck between said body portion and

said head formed by an annular groove in said body, said neck having a passage therein extending through the body portion to the reduced neck thereon, the head and reduced neck acting as a seal for said passage, and compressed portions



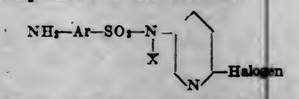
formed in the opposite sides of said cap and the sides of said head adjacent thereto when said cap is in position on said spout, whereby unscrewing of said cap from said spout causes the head and the reduced neck to be twisted and removed from said body portion.

2,295,866
RUBBER CEMENT AND METHOD OF MAKING
Lester A. Riefenstahl, Wabash, Ind., assignor to The General Tire & Rubber Co., Akron, Ohio, a corporation of Ohio
No Drawing. Application October 26, 1939, Serial No. 301,403
2 Claims. (Cl. 260—759)

1. A homogeneous rubber cement having a continuous phase of rubber swollen by solvent, comprising rubber latex and a petroleum rubber solvent which contains 2% to 5% of rosin.

2,295,867
5 - (SULPHANILAMIDO) -2-SUBSTITUTED PYRIDINES AND RELATED COMPOUNDS
Richard O. Roblin, Jr., and Philip Stanley Winnek, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 28, 1940, Serial No. 321,282
10 Claims. (Cl. 260—295)

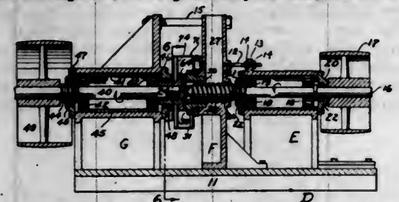
1. Compounds of the formula:



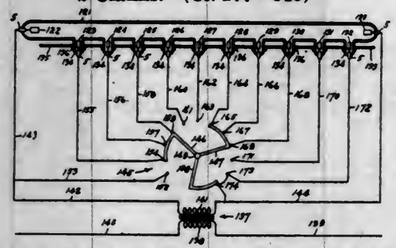
in which Ar represents a member of the group consisting of p-arylene and p-arylenesulphonamido p-arylene radicals and X represents a member of the group consisting of hydrogen and metals.

2,295,868
PROCESS FOR PREPARING FOOD PRODUCTS
Clarence J. Schwebke and Frank E. Hoadley, Beloit, Wis., assignors to Fiskall Corporation, South Beloit, Ill., a corporation of Delaware
Application April 27, 1939, Serial No. 270,374
3 Claims. (Cl. 99—81)

1. In the production of a starchy food material, wherein the product presents a cellular structure of thin wall formation, the method which consists of first adding a predetermined quantity of moisture to the material, then subjecting the moistened material to a combined heating and pressure action mechanically to form a viscous cooked semi-liquid mass and a temperature sufficient to evaporate the moisture thereof under atmospheric pressure conditions, and finally discharging the semi-liquid mass into the atmosphere in a plurality of fingers of comparatively small cross-section to thereby subject the finger content to atmospheric pressure and flash the moisture of the content to produce the cellular structure.



2,295,869
NEON SIGN
Richard H. Seaman, Los Angeles, Calif.
Application June 22, 1939, Serial No. 280,603
2 Claims. (Cl. 177—346)



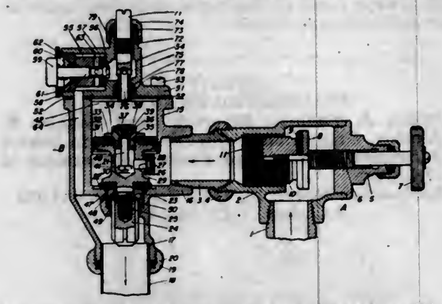
1. In a sign, a tube, gas in the tube adapted to be illuminated when activated by electrical current, a series of electrodes disposed along the tube, a series of contacts connected with the electrodes respectively, the gas between the electrodes having greater resistance than said connections respectively, and a single rotary switch member having a plurality of circumferentially spaced brushes, each brush being arranged to engage contacts of said series at either side of at least one uncontacted contact, to provide a darkened spot between lighted spots in the tube.

2,295,870
PREPARATION OF NICOTINIC ACID
Howard F. Seibert and Joseph M. Tabor, Cleveland, and Juro Wyeno, Chagrin Falls, Ohio, assignors, by mesne assignments, to S. M. A. Corporation, Chicago, Ill., a corporation of New Jersey
No Drawing. Application November 17, 1939, Serial No. 305,038
2 Claims. (Cl. 260—295)

1. The process of preparing nicotinic acid which comprises converting quinolinic acid by heating it in the range of 284–400° F. in the presence of a nonreactive heat transfer liquid having a higher boiling point than the temperature of the decomposition.

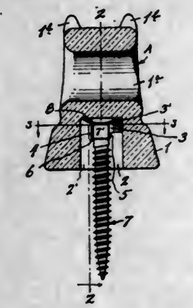
2,295,871
FLUSH VALVE
William E. Sloan, River Forest, and John I. Bellamy, Brookfield, Ill., assignors to Sloan Valve Company, Chicago, Ill., a corporation of Illinois
Application September 25, 1939, Serial No. 296,362
12 Claims. (Cl. 137—93)

1. In a flush valve, a valve casing including an inlet opening and an outlet opening interconnected by a central chamber, a main valve reciprocable in said central chamber to open and close communication between said openings, a control passageway, a primary control valve for opening and closing said passageway, means responsive to an opening of said passageway for moving said main valve from closed position to open position, and responsive to a closure of said passageway



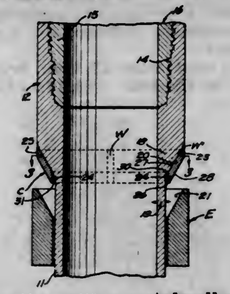
for returning said main valve to closed position, a secondary control valve for closing and opening said passageway, means responsive to the opening movement of said main valve when the primary control valve is opened for closing said secondary control valve to effect a reclosing movement of the main valve, and means controlled by the movement of the main valve toward its closed position for reopening said secondary control valve.

2,295,872
INSULATOR KNOB
Ludwig A. Stohl, Sun Prairie, Wis.
Application December 21, 1939, Serial No. 310,313
2 Claims. (Cl. 174—165)



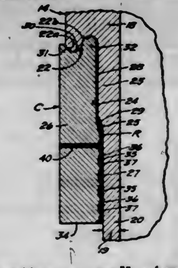
1. An insulator knob comprising a body portion and a screw for securing the knob to a support, the body portion being provided with a rectangular passageway extending a substantial distance thereinto and opening through the base thereof, the passageway adjacent its inner end being extended in the formation of laterally opposed recesses, each recess being defined by a curved wall intersecting a plane wall and by angular walls defining a rectangular depression having a base offset from said plane wall, the curved and plane walls of the respective recesses being in advance of the depressions and angularly of the axis of said passageway, the screw having a rectangular head receivable in said passageway to the inner end thereof and movable upon rotation thereof over said plane walls and guided by said curved walls into said depression, and yielding means associated with said body portion and screw and urging said head into and retaining same in said depressions.

2,295,873
WELL PIPE COLLAR
Albert L. Stone, Palos Verdes Estates, Calif., assignor to Hydril Company of California, Los Angeles, Calif., a corporation of California
Application September 25, 1939, Serial No. 296,451
4 Claims. (Cl. 255—28)



1. In combination with a metal well pipe having an external, annular upset presenting a downward and inwardly tapering conical shoulder, a wear-resistant metal collar encircling the pipe below the shoulder and having an upwardly and outwardly flaring upper bore portion and a lower, cylindric bore portion, the defining wall of the upper bore portion representing an upper face of the collar, the upper and lower faces of the collar being substantially parallel and the upper face being complementary to and in engagement with said conical shoulder, means securing said collar to said upset, the collar, at the junction of its two bore portions, engaging the upset at a point axially removed from the junction of the upset and the pipe, proper; and the cylindric portion of the collar bore to the extreme lower end of the collar being out of metal-to-metal contact with the pipe-periphery.

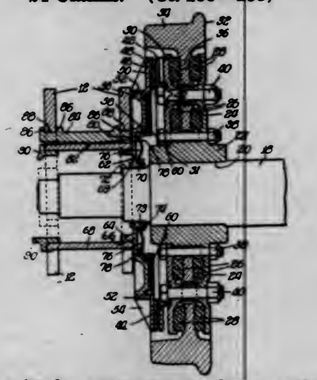
2,295,874
ADAPTER FOR WELL PIPES
Frederick Stone, Redondo Beach, and Albert L. Stone, Palos Verdes Estates, Calif., assignors to Hydril Company of California, Los Angeles, Calif., a corporation of California
Application September 25, 1939, Serial No. 296,450
6 Claims. (Cl. 255—28)



1. In combination, a well pipe having an external annular upset presenting a downwardly facing annular shoulder, a collar encircling the pipe below the upset and having its upper end engaging said upset shoulder, the collar extending downwardly about the pipe below the upset, and a ring of rubber or the like interposed be-

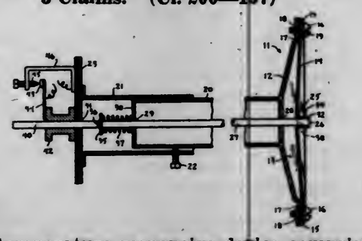
tween the opposed peripheral faces of the collar and pipe, and extending throughout the downward extent of the collar, said collar presenting a downwardly facing, elevator-taking shoulder, and interacting positioning means between the upper end of the collar and said upset adapted to hold the upper end of the collar against movement radially with respect to the pipe.

2,295,875
ROTOR BRAKE
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 23, 1940, Serial No. 357,842
24 Claims. (Cl. 188—153)



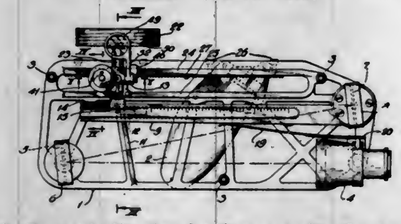
1. In a brake arrangement for a railway car truck, a frame, spaced supporting wheel and axle assemblies and braking means for each wheel comprising a rotor supported on the outboard face of the wheel, a journal box carried on the end of the adjacent axle, a ring piston fixed on the inboard face of said box and comprising a sleeve surrounding said axle, a resilient member supported from said sleeve, a ring cylinder carried on said resilient member for slidable relationship with said piston, a stator mounted on said cylinder for engagement with said rotor, said resilient member operating as release means for said cylinder after actuation of said brake, and a torque arm on said cylinder connected to said frame.

2,295,876
RADIANT HEAT RESPONSIVE DEVICE
Daniel G. Taylor, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 12, 1939, Serial No. 284,007
3 Claims. (Cl. 200—137)



1. A temperature responsive device comprising a support including a pair of corrugated bearing surfaces, an elongated substantially rectangular sheet of expansible metal stretched across said surfaces, screw means extending through said metal sheet for clamping it so that it is held in firm engagement with said corrugated surfaces, an elongated bearing member separate from and extending transversely across said metal sheet at a point intermediate its length, said bearing member having a rounded surface which engages said metal sheet, and means exerting a force on said bearing member whereby said metal sheet will always bend in the same direction upon an increase in temperature.

2,295,877
STADIMETER GEARING
William A. Thomas, Riverside, and Douglas F. Linsley, Greenwich, Conn., assignors to Schick Incorporated, Stamford, Conn., a corporation of Delaware
Application March 16, 1942, Serial No. 434,932
7 Claims. (Cl. 74—422)



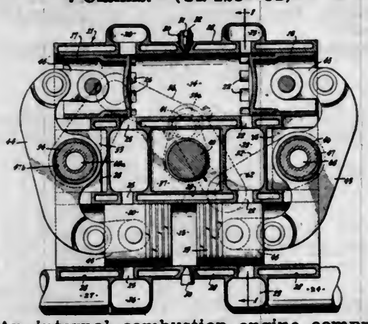
1. In a stadimeter having a pair of parallel, spaced track bars and a carriage mounted for longitudinal movement thereon, the combination of a rack extending along the inner face of one of said bars, said rack being of a width less than the width of such bar to leave a track bar bearing surface on the said face adjacent the rack throughout the length thereof, a pinion between the track bars to engage the rack teeth and of a diameter less than the distance between the rack teeth and the inner face of the opposite track bar by at least the depth of the pinion teeth, a manually rotatable shaft to one end of which said pinion is secured, a bearing member for said shaft pivotally mounted on the carriage for movement relatively thereto about an axis parallel to the direction of movement of the carriage to move the pinion out of and into engagement with the rack, a spring urging the bearing member into position to engage the pinion and rack teeth, a portion of said shaft adjacent the pinion being of a diameter to engage the said track bar bearing surface adjacent the rack slightly in advance of full engagement of the pinion and rack under the influence of said spring, and a stop member on the bearing member engageable with the carriage to limit the movement of the pinion towards such opposite bar.

2,295,878
LIQUEFIER
Albert T. Thompson, New Orleans, La.
Application October 26, 1937, Serial No. 171,149
2 Claims. (Cl. 220—3)



1. The combination with a liquefier cover disposed within the chamber of a liquefier and larger than and covering a filling opening in the wall of the liquefier, of means for initially holding said cover in position while pressure builds up in the chamber, said means comprising spaced radially disposed lugs within the filling opening and channel shaped spring members carried by the cover and adapted to register with and receive the lugs when the cover is in closed position.

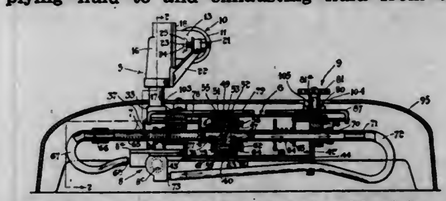
2,295,879
INTERNAL COMBUSTION ENGINE
John R. Tucker, La Crescenta, Calif., assignor to James G. Davidson, La Crescenta, Calif.
Application April 7, 1941, Serial No. 387,242
7 Claims. (Cl. 123—51)



5. An internal combustion engine comprising a pair of spaced, parallel cylinders each having an intake and an exhaust port spaced from each other axially of the cylinder, similar ports being located at the same ends of both cylinders; a pair of pistons in each cylinder, each piston opening and closing one of said ports; a crankshaft extending transversely between the two cylinders; and drive linkage interconnecting said pistons and transmitting power to the crankshaft, said linkage controlling the movement of the pistons to open the exhaust port in each cylinder before the associated intake port is opened and to close the exhaust port in each cylinder before the associated intake port is closed; said drive linkage comprising a rocking lever at each end of the cylinders connected to a piston in each cylinder, each of said rocking levers being pivoted about an axis parallel to the crankshaft axis and all of said axes lying substantially in the same plane, the axes of the rocking levers being located on opposite sides of the crankshaft axis, an arm rigidly attached to each rocking lever, a crank on said cranksahft, a first connecting rod having one end connected directly to the crank and having the other end connected to one arm at a position at one side of said plane, and a second connecting rod having one end connected to the other arm at a position on the other side of said plane and having the other end connected to said one end of the first rod in such manner that the axis of rotation of the second rod relative to the crank is eccentric to the axis of rotation of the first rod relative to the crank in a direction transverse to the longitudinal axis of the first rod.

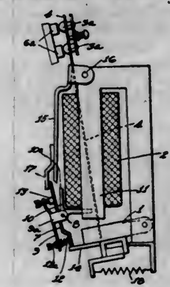
2,295,880
LAWN SPRINKLER
Felix E. Valois and Thomas R. Valois, Montreal, Quebec, Canada
Application November 12, 1940, Serial No. 365,248
4 Claims. (Cl. 299—66)

2. A sprinkler comprising an oscillatable nozzle assembly, a water motor including a cylinder and a piston operating therein, means connected between the nozzle assembly and said piston and functioning to impart oscillating movement to the nozzle assembly in response to reverse movements of said piston, means for alternately supplying fluid to and exhausting fluid from the



cylinder space at each side of said piston to alternately move the piston in opposite directions, said means including provision for varying the effective stroke of the piston to thereby vary the angle of oscillation imparted to the nozzle assembly.

2,295,881
CONTACT-LATCHING ARRANGEMENT FOR CIRCUIT CONTROLLING DEVICES
John H. Wheelock, Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application December 18, 1939, Serial No. 309,821
10 Claims. (Cl. 200—103)

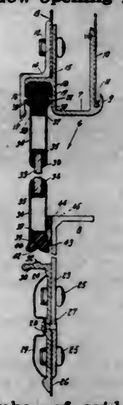


1. A circuit controlling device comprising an operating winding, a magnetic armature carrying a contact movable into engagement with a front stationary contact, in response to energization of said winding, means for locking said armature in position to positively maintain its contact in engagement with said front contact when said winding is energized, and means for unlocking said armature in response to deenergization of said winding, to permit said armature contact to disengage itself from said front contact.

2,295,882
WINDOW CONSTRUCTION
Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application November 1, 1939, Serial No. 302,280
6 Claims. (Cl. 189—72)

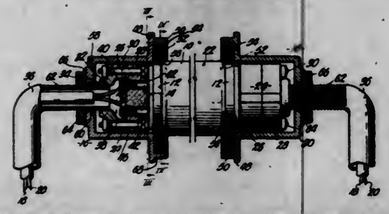
1. In a window construction for a vehicle body having a window opening in the side walls thereof, a pair of vertically extending side rails on opposite side edges of said openings projecting outwardly of the vertical body surface and having facing channel portions, a horizontal header across the top of said opening offset outwardly of the body surface and comprising a downwardly opening channel having a lower concave surface, a window having defining frame members

and adapted to slide vertically in said side rails, the upper frame member having a convex surface adapted to engage in said header surface, and a horizontal ledge spaced beneath the lower edge of said window opening for supporting the



lower frame member of said window when in lowered position in said side rails, said ledge projecting laterally outwardly from the plane of said body surface and supporting the entire weight of said window when in lowered position.

2,295,883
GASPROOF SOCKET FOR FLUORESCENT LAMPS
Victor N. Williams, Kansas City, Mo.
Application June 5, 1940, Serial No. 338,904
1 Claim. (Cl. 173—328)



In an adaptor for a tubular fluorescent lamp having electric contact pins, a fixed conduit having its end portion externally threaded, a socket threaded to cooperatively engage the threads of said conduit and adapted to operatively engage said contact pins whereby said contact pins are electrically connected with conductors passing through said conduit, a housing formed at its opposite end portions to receive the respective adjacent end portions of said tubular lamp and said conduit, a gasket at each end of said housing, and means adjustably carried by said conduit to compress said gaskets between the adjacent members to form tight joints therebetween whereby the socket is sealed in said housing between said conduit and the reduced end portion of said lamp.

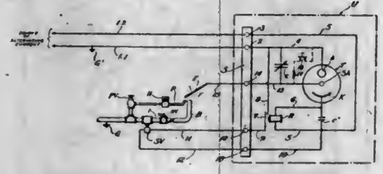
2,295,884
P-SUBSTITUTED - BENZENESULPHONYL BIGUANIDES AND METHODS FOR THEIR PREPARATION
Philip Stanley Winnek, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 24, 1941, Serial No. 380,336
14 Claims. (Cl. 260—397.7.)

1. A compound of the group consisting of those represented by the following general formula and inorganic and carboxylic acid salts thereof:



in which X is a member of the group consisting of amina radicals, radicals hydrolyzable to an amino group and radicals reducible to an amino group, and B represents a biguanide radical.

2,295,885
CONTROL APPARATUS
Robert E. Yates, Chicago, Ill., assignor to Drying Systems, Inc., Chicago, Ill., a corporation of Illinois
Application May 9, 1940, Serial No. 334,116
1 Claim. (Cl. 158—28)

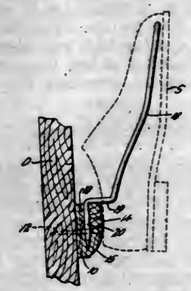


A control system for a burner including a solenoid-actuated fuel supply valve, a solenoid therefor having a winding adapted when energized to open the valve, a circuit for energizing said winding including a relay-actuated switch and a relay circuit therefor adapted when energized to close the switch, said relay circuit including a gas-filled glow tube having a cathode, an anode and a starter-electrode, a source of alternating current of relatively low voltage, means connecting said anode to one pole of said source, means connecting the cathode to the other pole of said source, a starter-electrode circuit including a flame-sensing element normally insulated from said burner by an air space and adapted to be impinged by flame from the burner to establish a relatively high resistance connection to the latter, means connecting said burner to the pole of said source to which the anode is connected, means connecting the starter electrode to said flame-impinging element, a normally open starting switch connected in parallel with said flame-sensing element and burner and adapted to be closed to initiate a discharge in said tube for rendering the latter responsive to a flame in said burner, and a pilot valve for said burner operatively connected to said switch for movement from a closed to an open position when said starting switch is closed.

2,295,886
SHOE RACK
Nelson Beck, Burbank, Calif., assignor of twenty-five per cent to Raymond Emory Conaway, Los Angeles, Calif., and twenty-five per cent to Peter Louis Montemurro, Inglewood, Calif.
Application September 30, 1941, Serial No. 412,981
2 Claims. (Cl. 211—35)

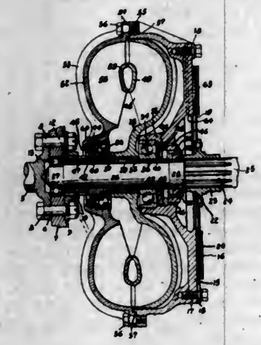
1. A shoe rack comprising a supporting bar, and a plurality of shoe supports thereon, each support being in the form of a wire bent centrally to form a toe-engaging portion, and sides which spread slightly and then contract in extending

downwardly and rearwardly from the toe-engaging portion, the lower ends of the sides being



bent horizontally rearwardly over the top of the bar and then extending downwardly into the bar.

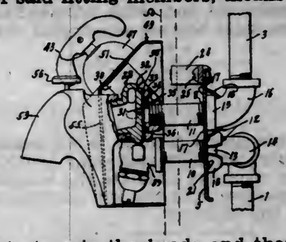
2,295,887
FLUID COUPLING
Carl L. Bixby and Robert Lapsley, Berrien Springs, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application December 12, 1940, Serial No. 369,708
20 Claims. (Cl. 192—3.2)



1. In combination, a fluid coupling comprising a housing, an impeller within said housing, a tubular sleeve extending axially therethrough, spaced bearing means for rotatably supporting said housing on said sleeve, said sleeve having a splined intermediate portion receiving said impeller, said housing having a radial surface, a shaft extending through and rotatable relative to said sleeve, and friction clutch means on said shaft engageable with said surface for coupling said housing and shaft together.

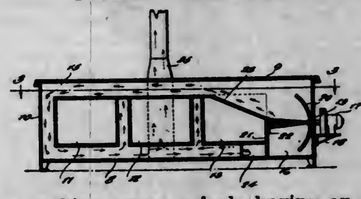
2,295,888
COMBINATION FIXTURE
Ernest H. Bucknell and Ralph E. Bletcher, Los Angeles, Calif., assignors, by mesne assignments, to Modern Faucet Co., Los Angeles, Calif., a co-partnership
Application June 7, 1940, Serial No. 339,320
4 Claims. (Cl. 4—1)

1. In a device of the class described the combination of a hot water inlet pipe, a cold water inlet pipe, an outlet pipe, fitting members secured to each of said pipes, said fitting members having annular beads, a centering plate having openings adapted to receive and position the beads of said fitting members, means carried by



said plate to grip the beads and thereby secure said pipes in position.

2,295,889
COOKING RANGE OR STOVE
Fredrick Charles Bufton, Premier, British Columbia, Canada
Application March 27, 1940, Serial No. 326,294
1 Claim. (Cl. 126—44)



In a cooking range, a body having an outlet flue midway its width at its back, oven compartments in said body disposed in side by side relation to each other and surrounded by a space for circulation of hot gases, said space having its lower portion communicating with the outlet flue, the oven compartments having side walls spaced from each other to provide ducts between upper and lower portions of said space, a combustion chamber located in the body between a side wall of an end one of the oven compartments and an end wall of the body and at its top communicating with a portion of the space over the end oven compartment, an oil burner having a nozzle passing through the end wall of the body into the combustion chamber and projecting inwardly from the end wall toward the confronting side wall of the end oven compartment, said side wall being of a height disposing its upper edge slightly above the horizontal plane of the nozzle of the burner, the end oven compartment having its top extending at an upward incline from the upper edge of the side wall for the major portion of its width for directing hot gases from the burner at high speed across the oven chamber and into the portion of the space above the oven chambers, a baffle plate upon the side wall of the oven opposite the burner for contact by flame from the burner, and a reflector plate in the combustion chamber mounted against the end wall of the body and formed with a central opening through which the nozzle of the burner passes, said reflector plate being formed of sheet metal and above and below the burner being curved away from the end wall of the body.

2,295,890
DOLL
Edna J. Conrad, Grand Rapids, Mich.
Application September 8, 1941, Serial No. 409,930
10 Claims. (Cl. 46—165)

1. In a device of the class described, a head

portion, eye openings in said head, the upper and lower edge portions of each opening extending rearwardly and being substantially parallel and the sides thereof converging rearward-



ly, and an iris rigidly secured to the head behind each opening, whereby said edge portions and sides of the openings simulate the sclerotic coat of the human eye, and the iris appears to move and follow the observer.

2,295,891
BIRD HOUSE CONSTRUCTION
Lloyd G. Copeman, Flint, Mich.
Application August 3, 1940, Serial No. 350,343
5 Claims. (Cl. 41—24)



1. A method of producing a weatherproof bark-like material to be used in bird house construction which comprises coating a sheet of paper to render the same impervious to water, drying the paper, heating said paper in a liquid bath, stretching said paper while heating the same and releasing said paper to permit self-contraction thereof to form a bark-like surface thereon, and placing the same on backing material with the use of an adhesive.

2,295,892
HAIR CURLER
James K. Crotts, Winston-Salem, N. C.
Application December 6, 1941, Serial No. 421,997
8 Claims. (Cl. 132—33)



1. A hair curling device of the class described comprising a drum having means for clamping hair in engagement therewith, a locking bar pivotally supported in connection with the drum and adapted to be swung toward and away from the drum, a latch member pivotally secured to one end of the locking bar, and said drum having oppositely extending cross-latch-receiving notches at one end for receiving said latch to hold the drum in a selected rotated position.

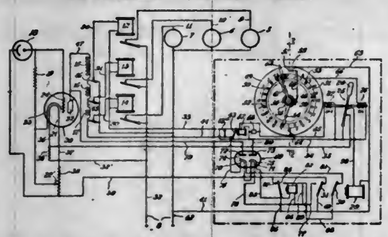
2,295,893
INTERLOCK
Donald J. Detrich, Columbus, Ohio, assignor to The Steel Storage File Company, Cleveland, Ohio, a corporation of Ohio
Application February 5, 1941, Serial No. 377,579
1 Claim. (Cl. 189—36)

In combination, two elements, one of said elements including a wall portion having an opening, the other of said elements having a bulged portion formed of sheet-like material, said bulged portion extending through said opening, said bulged portion having an opening in one end thereof and an opening in a wall thereof in alignment with the opening in the first mentioned element; and a locking member for locking said



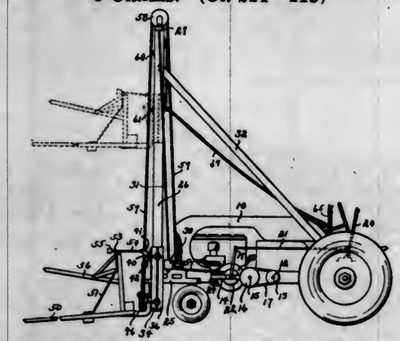
elements together, said member including a substantially flat sheet-like section extending along said wall portion of said one element and in the second mentioned opening, said section having an edge of a portion thereof sloping outwardly into the third mentioned opening and in alignment with a portion of an edge of the third mentioned opening, said edge of the section being flexible with respect to the section.

2,295,894
SYSTEM FOR CONTROLLING LIGHTING CIRCUITS AND LIKE CIRCUITS
Leon Dewan, New York, N. Y.
Application May 27, 1940, Serial No. 337,391
11 Claims. (Cl. 250—41.5)



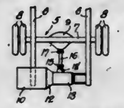
1. In a system for controlling illumination, a source of electromotive power, a lighting unit in circuit therewith, a plurality of relay devices for controlling said circuit and mechanism for selectively actuating said relays either by a photoelectric cell influenced by change of intensity of natural illumination or by a time clock at a predetermined hour whereby the relay devices are actuated successively either by the photocell or by the time clock.

2,295,895
SWEEP RAKE STACKER AND LOADER
Merritt Duden, Indianola, Iowa
Application September 3, 1940, Serial No. 355,192
3 Claims. (Cl. 214—113)



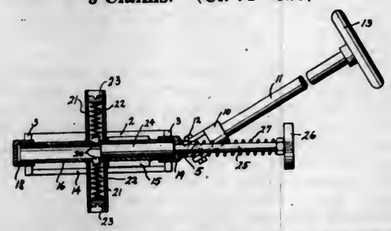
1. In a device of the class described, a vertical track frame, a second frame slidably mounted on said track frame, a fork means operatively pivotally secured at its rear lower end portion to said second frame, a bearing member vertically slidably mounted on said second frame, a pulley wheel on said bearing member, connecting members operatively linking said bearing member with the rear upper portion of said fork means, a pulley wheel on the upper portion of said track frame, and a flexible cable having one end secured to the upper portion of said track frame, extending downwardly around said pulley wheel on said bearing member, then upwardly and over the pulley wheel on said track frame and then designed to extend to a power operated drum or like.

2,295,896
DRIVE ASSEMBLY
Alfred E. Grater, Niles, and Walter E. Schirmer, Buchanan, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application June 26, 1940, Serial No. 342,462
9 Claims. (Cl. 180—54)



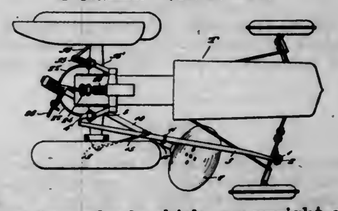
1. In combination, a power unit, clutch and transmission coupled together in a rigid assembly, a housing for said transmission, a clutch shaft in said clutch having a drive gear portion extending into said transmission housing, a transmission main shaft journalled at one end in said drive gear portion, thrust bearings supporting the opposite end of said main shaft in the end wall of said housing, a plurality of axially spaced gears on said main shaft including a bevel gear, a radially loaded bearing in said housing for said shaft adjacent to and on the posterior side of said bevel gear, an output shaft extending laterally out of said transmission at an angle to said main shaft, and a bevel gear on said output shaft axially overlying said drive gear portion and driven from said bevel gear on said main shaft.

2,295,897
GOVERNOR
Charles P. Gillespie, Houston, Tex., assignor of one-fourth to J. R. Turnbull, one-eighth to J. C. Vann, and one-thirty-second to W. P. Haley, all of Houston, Tex.
Application May 17, 1941, Serial No. 393,912
3 Claims. (Cl. 74—526)



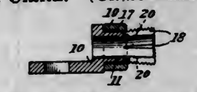
1. In a device of the character described, a stop adapted to be engaged by a throttle mechanism when the throttle mechanism has been moved toward open position a predetermined amount, yieldable support means for said stop whereby the exertion of excessive effort upon said throttle will cause movement of said stop and permit additional opening movement of said throttle and means for resisting initial movement of said stop and releasable upon such initial movement to permit substantially free movement of said stop beyond such initial movement.

2,295,898
SIDE DISK TERRACING MACHINE
Homer Hollis, Lillie, La.
Application July 16, 1941, Serial No. 402,673
4 Claims. (Cl. 97—47)



1. In a four wheel vehicle, an upright extending from the front axle thereof at one side thereof, a beam having its front end pivotally and swingably connected with the top end of the upright, a shaft, a disk connected for rotary movement with the front end of the shaft, a member depending from the beam and connected with the front part of the shaft, means for rotatably supporting the rear end of the shaft, said shaft extending forwardly and outwardly with the disk located substantially between the front and rear wheels at one side of the vehicle and means for raising and lowering the beam.

2,295,899
METHOD OF MANUFACTURING CONDUCTOR TERMINALS
David Hoppenstand, Fox Chapel, Pa.
Application April 19, 1940, Serial No. 330,562
1 Claim. (Cl. 29—155.55)

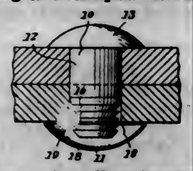


In a method of making a conductor terminal, the steps including slotting and threading a cylindrical blank longitudinally from one end thereof, turning a nut onto the blank sufficiently to leave the segments between slots projecting beyond the nut, spreading the projecting ends of the segments sufficiently to deform them beyond the elastic limit and impart to their exterior surface a flare toward said end, and boring the blank axially to a uniform inside diameter for at least a substantial portion of the length of said segments inwardly from the outer ends thereof, thereby providing the segments with a longitudinal taper inwardly by reason of the flaring of the exterior thereof.

2,295,900
RIVET AND SPRING LOCKING BUTTON THEREFOR
David Hoppenstand, Fox Chapel, Pa., assignor to Mechanical Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application May 14, 1940, Serial No. 335,023
1 Claim. (Cl. 85—35)

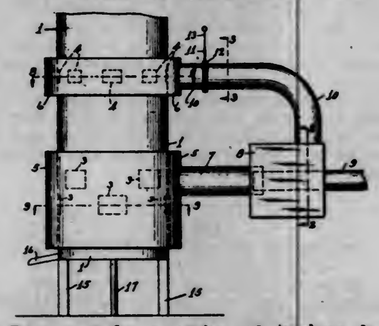
A spring locking button adapted to be pressed onto the shank of a headed fastener having circumferential shoulders, said button comprising an exterior portion having the shape of a spheri-

cal segment, and a pair of locking lugs integral therewith and extending inwardly from the edge thereof, said lugs being generally semi-circular and each having a V-shaped notch adjacent the



center of its free edge, thereby providing yieldable points engageable behind said shoulders to prevent removal of said button from said fastener.

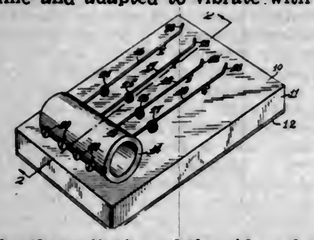
2,295,901
CUPOLA
Llewellyn Jones, Richmond, Ind., assignor of one-fifth to J. Allen Overcash, one-fifth to Robert J. Peters, and one-fifth to Herbert G. Austin, all of Muncie, Ind.
Application May 31, 1941, Serial No. 396,048
5 Claims. (Cl. 266—30)



1. In a cupola, a series of tuyères formed through the lower portion of the wall thereof, a jacket encircling the lower portion of the cupola and enclosing the tuyères, a plurality of voids formed through the upper portion of the cupola wall with an upper jacket encircling the upper portion of the cupola and the voids formed therethrough, a mixing box, a conduit extending from the mixing box into the lower jacket, a second conduit connected with and extending from the upper jacket to the mixing box and adapted to conduct heated gases from the upper portion of the cupola into the mixing box, a blast air pipe extending from an established blower into the mixing box with its outlet end being located within the first-mentioned conduit, and with the exchange of air from the blast air pipe to the first-mentioned conduit syphoning heated air and gases from within the mixing box and introducing the same into the lower portion of the cupola through the tuyères thereof.

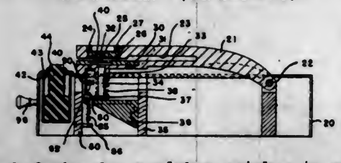
2,295,902
TUNING DEVICE
Samuel M. Kass, Philadelphia, Pa.
Application March 14, 1941, Serial No. 383,299
3 Claims. (Cl. 84—455)

1. A mechanical rod chime tuning device, a metallic support, a resonator on which the support is mounted, a rod metallic chime connected with the support and of reduced section close to the point of connection with the support, the chime corresponding in rate of vibration with a standard musical note and a rider surrounding the chime and adapted to vibrate with it to in-



dicate by the agitation of the rider when a note corresponding in vibration with that of the chime has been struck.

2,295,903
CARD PATCHING MACHINE
David C. K. Kennedy, Detroit, Mich., assignor to The Detroit Edison Company, Detroit, Mich., a corporation of New York
Application April 7, 1941, Serial No. 387,373
24 Claims. (Cl. 216—29)



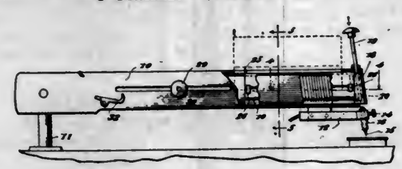
17. A device for applying patches to a perforated card comprising locating means and a patch carrying element at the rear of said locating means, said means and said element being relatively movable toward and away from each other, a card being receivable between said means and element, said locating means having parts visible from the front by means of which a perforated portion of the card, viewed from one surface of the card, may be located thereby to receive a patch on its other surface over said perforation.

2,295,904
AUTOMATIC PICKUP HEAD ADJUSTING DEVICE
Yervant H. Kurkjian, Hawthorne, N. J.
Application February 14, 1941, Serial No. 378,997
2 Claims. (Cl. 274—1)



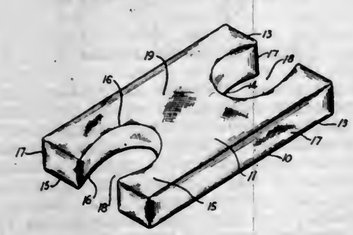
1. A device of the class described comprising a supporting standard, an arm pivotally supported upon the standard, a pick-up head pivotally supported upon said arm on a horizontal pivot and adapted to be retained in a substantially horizontal position as the arm is raised and lowered, a link pivoted upon a horizontal pivot to the standard at a point in a vertical plane with the point where the arm is pivotally supported upon said standard, a horizontal pivot connecting the opposite end of said link to said pick-up head at a point in a vertical plane with and above the horizontal pivot of the pick-up head and adapted to retain the pick-up head in a substantially horizontal plane at all times when said arm is raised and lowered.

2,295,905
PHONOGRAPH ARM AND NEEDLE-CARRYING MAGAZINE THEREFOR
Yervant H. Kurkjian, Hawthorne, N. J.
Application February 14, 1941, Serial No. 378,998
3 Claims. (Cl. 274—1)



1. In combination with a phonograph arm having a magazine receiving slot in the top face thereof, a removable magazine carried by the arm and adapted to fit through said slot into said arm, a pick-up head, means for moving needles from the magazine to the pick-up head, said magazine comprising a body having a longitudinally extending socket, a spring-pressed plunger slidably mounted within the arm and adapted to extend into one end of the magazine for moving needles longitudinally of the magazine, means for holding the plunger in a retracted position while said magazine is being placed in position, an upwardly extending lip carried by the magazine and movable longitudinally of said slot, and said upwardly extending lip projecting upwardly through said slot to facilitate the removal of said magazine from said arm.

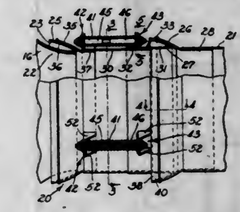
2,295,906
PILLOW
Audrie M. Lacour, Jennings, La.
Application October 24, 1938, Serial No. 236,599
5 Claims. (Cl. 5—338)



1. A pillow including, a body having a substantially square central portion, and longitudinally-extending arms secured to each end of the central portion, the arms being spaced apart to form a recess therebetween, whereby the upper and lower portions of the side of a person's head will be supported by said arms while the central portion thereof will overlie the recess and will be prevented from contacting the pillow, the arms being wider near their outer ends so that the recesses are wider near the body and narrower near the outer ends of the arms.

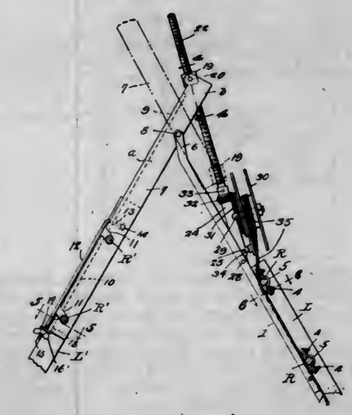
2,295,907
FLEXIBLE EXHAUST PIPE JOINT
William L. Lewis, Glendale, Calif., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application October 9, 1940, Serial No. 360,359
2 Claims. (Cl. 285—11)

1. In an internal combustion engine exhaust duct subject to the action of hot corrosive gases, the combination of: a first hollow body fixed relative to the engine and forming a portion of said duct; a second hollow body forming an adjacent portion of said duct; and means to prevent the corrosive action of said gases comprising a first spherical chromium sealing surface



concentric to a center in said duct at one end of said first hollow body, and a second spherical chromium sealing surface concentric to said center at the adjacent end of said second hollow body, said second sealing surface being complementary to and in frictional contact with said first sealing surface.

2,295,908
LADDER SUPPORT
Clair W. Marriner, Chicora, Pa.
Application September 24, 1941, Serial No. 412,184
6 Claims. (Cl. 228—60)

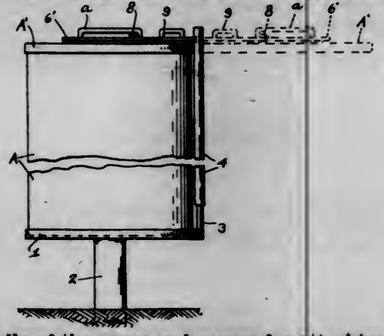


1. A ladder support including pivotally connected legs, means for attaching one end portion of a ladder to one of the legs for use as a support-handling device, cooperating means on the legs for adjusting the legs angularly relative to each other and for holding them against relative movement in any direction, and means adjacent to the other end portion of the ladder for operating the leg-adjusting means.

2,295,909
GARBAGE CAN PROTECTOR
Charles J. Massey, Fillmore, Calif.
Application February 24, 1941, Serial No. 380,353
2 Claims. (Cl. 248—147)

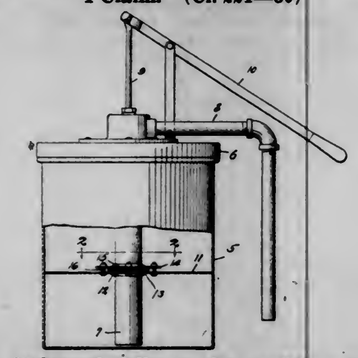
1. Means for holding a cover on a receptacle comprising a post, a tubular member swingably fitting over the post, spring means for connecting the member to the post, a lever rigidly connected

to one side of the upper end of the tubular member and having a slot therein for receiving the



handle of the cover and means for attaching the handle to the lever.

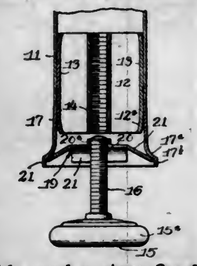
2,295,910
GREASE PUMP
Axel W. Olson and Henry C. Lungstrom, Lindsborg, Kans.
Application January 22, 1941, Serial No. 375,494
1 Claim. (Cl. 221—80)



A leakproof follower for grease containers having central discharge pipes, comprising a main disk-like body portion having a central opening for the reception of the discharge pipes, the body portion adjacent to the central opening being depressed providing an inclined surface, a disk having a central opening, fitted over the central discharge pipe and normally spaced from the main disk-like body portion, the portion of the disk adjacent to the opening being pressed upwardly providing an inclined surface, bolts connecting the main body portion and disk, a packing gland fitted between said inclined surfaces, and said inclined surfaces adapted to force the packing gland into engagement with the discharge pipe when the disk is moved toward the main body portion, by the action of the bolts.

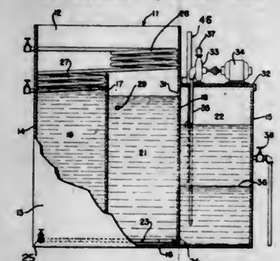
2,295,911
FURNITURE FOOT CONSTRUCTION
John H. Page, Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application May 8, 1941, Serial No. 392,454
4 Claims. (Cl. 16—19)

1. A furniture foot comprising, in combination with a furniture leg, a threaded socket member fixed to said leg, a foot piece slidable with reference to said socket member into finishing relation to the bottom of said leg, a yielding foot holder adapted to be engaged against said foot piece for holding it in said finishing relation to



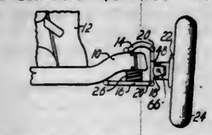
said leg, a glide, and a stem fixed to said glide, said stem being threaded through said foot holder and being adapted for engagement within said threaded socket.

2,295,912
DEHYDRATING AND TREATING APPARATUS
Walter H. Pagenkopf, La Grange, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 3, 1940, Serial No. 338,665
10 Claims. (Cl. 91—13)



1. A piece part treating apparatus comprising, a principal enclosure, vertical partitions dividing said enclosure into a plurality of consecutive subchambers, a heat exchange element for raising the temperature of fluid contained in certain ones of said subchambers, vapor cooling elements disposed over said certain ones of said subchambers for confining vaporization therefrom, one of said vertical partitions having apertures at a predetermined level therein for permitting fluid overflow from one of said subchambers to a separating chamber, and fluid circulating means for drawing the fluid from said separating chamber and for returning said fluid into said subchamber.

2,295,913
AUTOMOTIVE SUSPENSION
Ross H. Phelps, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application July 3, 1940, Serial No. 343,774
16 Claims. (Cl. 280—96.1)



1. A support arm for a parallel arm type wheel suspension comprising a body portion of box-shaped cross section defining parallel apertures at each end thereof extending transversely of said box-shaped cross section, the width of said cross section being increased along a portion of the length of said body portion intermediate of the ends thereof to form a bracket portion extending from one side of said body portion for supporting a king pin.

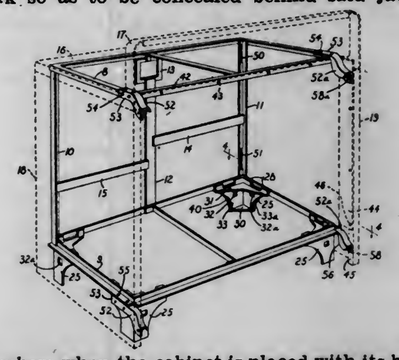
2,295,914
CLEANING AND POLISHING MOP
Michael Rašić, Cartagena, Colombia
Application March 17, 1941, Serial No. 383,859
1 Claim. (Cl. 15—229)



A mop comprising a handle, a bunch of strands of absorbent material including inner and outer groups surrounding the handle for disposal in depending relation therefrom, the inner group including layers of strands that gradually increase in length from the inner layer to the outer layer and the outer group consisting of layers of strands of approximately the same length and of much greater length than the longest strands of the inner group, upper and lower pins secured to and extending transversely through the handle adjacent its lower end for disposal at right angles to each other and a considerable distance upon opposite sides of the handle, a disk of pliable material secured to the lower end of the handle and providing an abutment shoulder, spaced upper and lower fastening cords surrounding and securing the strands to the handle with the upper pin disposed between the cords and the inner pin below the lower cord, said strands being looped about the upper cord, a fastening cord surrounding the looped portions and disposed below the lower pin and above the disk, said pins extending through the secured portions of the strands and the free ends of said secured portions abutting the shoulder for cooperation with the pins to prevent longitudinal movement of the strands on the handle, and said disk holding the strands normally expanded in hollow cylindrical formation, whereby upon rotation of the handle the free portions of the strands will assume a radial position with respect to the handle.

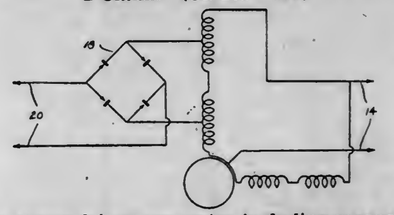
2,295,915
CABINET CONSTRUCTION FOR RANGES AND THE LIKE
Harold H. Ring, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application February 27, 1939, Serial No. 258,634
12 Claims. (Cl. 126—39)

1. In a cabinet construction, a rigid inner framework capable of sustaining the load of the rest of the cabinet without appreciable deflection, outer sheet metal jacket members having finished exposed surfaces and mounted vertically on the sides of said framework, handle members rigid with and projecting rearwardly from the framework so as to be concealed behind said jacket



members when the cabinet is placed with its back next to a wall but so as to be accessible otherwise for use in lifting and carrying the cabinet substantially independently of the jacket members, and means for securing said jacket members to the frame including means securing the jacket members to said handle members.

2,295,916
ALTERNATING CURRENT MOTOR
Martin Schiff, St. Louis, Mo., assignor to Century Electric Company, St. Louis, Mo., a corporation of Missouri
Application December 4, 1940, Serial No. 368,422
1 Claim. (Cl. 172—120)

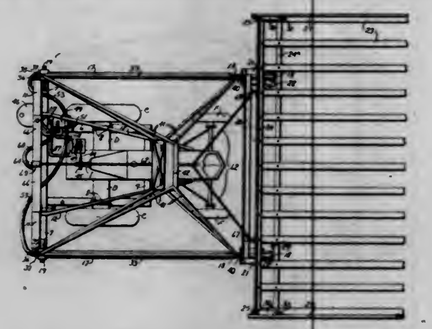


In power driven apparatus including means requiring low voltage direct current, an alternating current driving motor having a casing and field windings therein, a housing mounted upon the motor casing, a rectifier mounted within said housing, one side of said rectifier being directly connected across a portion of said field winding to supply current to the rectifier at a voltage lower than the voltage of the motor, and the direct current side of the rectifier having leads extending through a side wall of said housing for connection to said apparatus.

2,295,917
HAY LOADER AND STACKER
Joseph F. Schwan, St. Paul, Minn.
Application July 19, 1940, Serial No. 346,353
12 Claims. (Cl. 214—141)

1. A tractor mounted loading implement, comprising a frame rigidly supported on the tractor, telescoping booms positioned at opposite sides of the tractor, the said booms being pivotally connected at rear ends to a rear lower portion of the frame for up and down movements at their for-

ward ends alongside the tractor, load carrying means on the said forward ends of the booms, means for extending the booms lengthwise in a forward direction, radius bars pivotally connected at forward ends to the booms and at rear ends to an upper rear portion of the frame above the



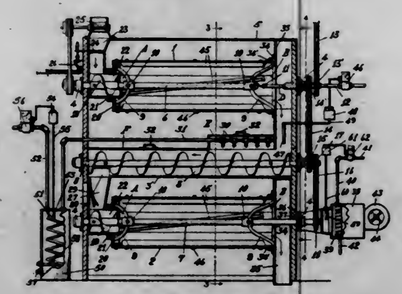
pivotal connections of the booms, the said radius bars being mounted for up and down swinging movements and operative to guide the ends of the booms upwardly in response to forward movement thereof, and a truss frame mounted above and connected between the ends of the radius bars to prevent distortion thereof.

2,295,918

TEMPERING MACHINE FOR WHEAT OR THE LIKE

Percy W. Thomas, Wichita, Kans.

Application January 8, 1941, Serial No. 373,592
1 Claim. (Cl. 83—27)



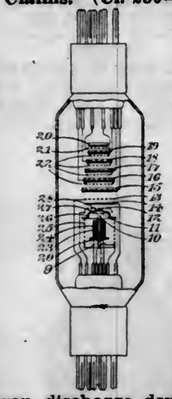
In a grain tempering machine, an imperforate rotatable drum with feed and discharge ends, a shaft centrally mounted fast to said drum, means to rotate said shaft, a feed auger on the shaft extending outwardly from the feed end of the drum, means to conduct wheat into the auger, peripheral grain lifting means within the drum so constructed and arranged as to lift and drop the grain and progress it away from the feed auger and thru the drum to its discharge end, steam heating means for the grain located at the discharge end of the drum comprising a stationary bifurcated steam pipe with jets on the ends of the bifurcations, the bifurcations straddling the shaft and the jets being directed into the drum and towards its feed end, and a source of steam supply for the pipe, whereby counter current of grain and steam is obtained.

2,295,919

ELECTRON DISCHARGE DEVICE

Francois Joseph Gerard van den Bosch, Horley, England, assignor to Vacuum-Science Products Limited, London, England, a British company

Application May 20, 1940, Serial No. 336,308
In Great Britain May 25, 1939
3 Claims. (Cl. 250—175)



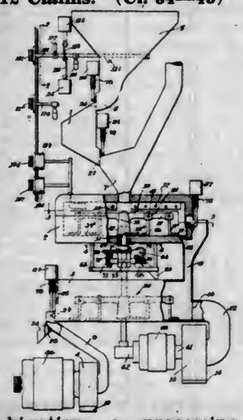
3. An electron discharge device comprising a plurality of electrode assemblies, said electrode assemblies having a single thermionic cathode structure common to them, said cathode structure comprising a tube with an enlarged disc-like end part, an electron emissive layer on said end part for one electrode assembly and another electron emissive layer on said tube and spaced from said end part for another electrode assembly.

2,295,920

PROCESSING MATERIAL SUCH AS GREEN COFFEE

Raymond H. Vermillion, Los Angeles, Calif., assignor, by mesne assignments, to Brinck Engineering Company, Inc., Los Angeles, Calif., a corporation of California

Application September 23, 1938, Serial No. 231,387
12 Claims. (Cl. 34—45)



1. In combination, a processing chamber, means for heating the processing chamber, means for energizing and deenergizing the heating means including a main control shiftable to a first or energizing position and a second or deenergizing position, a timer, driving means for rotating the timer, a thermostat operative responsive to predetermined temperature in the processing chamber for causing operation of the driving means, sustaining means, means actuated by the rotatable timer for operating the sustaining means so that it causes continuation of the operation of the driving means which has been inaugurated by operation of the thermostat, except at the end of the cycle of rotation of the timer and independently of operation of the thermostat, means actuated by the rotatable timer for locking the main control in its first position except at the end of the cycle of rotation of the timer, and means controlled by the rotatable timer for respectively supplying material to and discharging material from the processing chamber, at start and end respectively of the cycle of rotation of the timer.

2,295,921

TYPEWRITING MACHINE

Charles Walker and William A. Gabrielson, Syracuse, N. Y., assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York

Application July 10, 1940, Serial No. 344,766
14 Claims. (Cl. 197—63)



4. In a typewriting or like machine, a margin regulating means comprising, in combination, a margin stop carrying bar, left and right hand margin stops mounted on said bar and adjustably slidable therealong and each including releasable means for locking the stop to the bar in desired adjusted position, a single sheet metal releasing bar for the pair of margin stops, said bar being of channel form in cross section and extending longitudinally of the stop bar, means supporting the releasing bar for opposite rocking thereof about an axis extending longitudinally of the bars, a handle for rocking the releasing bar, an antifriction roller carried by the locking means of each stop for releasing of the stop by pressure of the longitudinal edge of one flange of said releasing bar on the periphery of said roller, the rollers extending transversely of the releasing bar and being arranged for engagement of the periphery of each thereof by a different flange of said releasing bar, spring means for returning said releasing bar to and normally holding it in an intermediate idle position in which both margin stops are locked to the stop bar, counter stop means for the margin stops, said bars and margin stops being mounted for relative travel between the same and said counter stop means longitudinally of the bars with the counter stop means located intermediate the two margin stops, and automatically operating means to slidably move along the stop bar toward the counter stop means that one of the margin stops which is released by rocking of the releasing bar from the normal position of the latter.

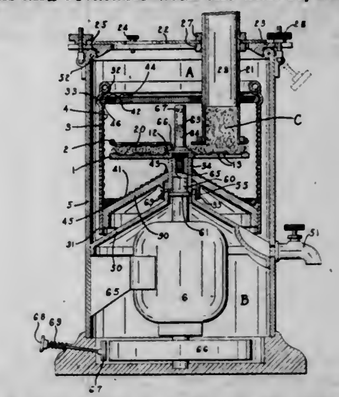
2,295,922

VEGETABLE JUICER

Roy Weston, Toppenish, Wash., assignor of one-half to B. R. Sturm, Toppenish, Wash.

Application July 15, 1938, Serial No. 219,388
13 Claims. (Cl. 146—3)

1. A vegetable juicer comprising a container open at its top, a centrifugal strainer basket rotatively mounted within the container, a pulping disk disposed within and rotative with the basket, a citrus juicer head removably securable within and rotatable with the basket, and a sta-



tionary cup depending within the container and basket, surrounding the citrus juicer head, and having a perforate bottom disposed between the citrus juicer head and the rotary disk.

2,295,923

ALLYL ESTERS OF ACRYLIC ACID AND HOMOLOGUES

Carl E. Barnes, Worcester, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 6, 1938, Serial No. 244,217
2 Claims. (Cl. 260—84)

1. A composition of matter comprising an alkyl ester of methacrylic acid copolymerized with an alpha aryl substituted allyl methacrylate, in which the aryl substituent is a triphenyl phenyl group.

2,295,924

ALPHA SUBSTITUTED ALLYL ESTERS OF ACRYLIC ACID AND HOMOLOGUES

Carl E. Barnes, Worcester, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application December 6, 1938, Serial No. 244,217. Divided and this application December 11, 1939, Serial No. 308,642. In Canada May 5, 1939
2 Claims. (Cl. 260—83)

1. Alpha triphenyl phenyl substituted allyl methacrylate.

2. Polymerized alpha triphenyl phenyl substituted allyl methacrylate.

2,295,925

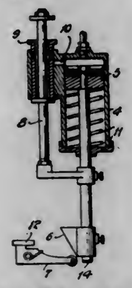
MULTIPLE SPOT WELDER

Edward G. Biederman and Delmar S. Harder, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 3, 1939, Serial No. 282,640
22 Claims. (Cl. 219—4)

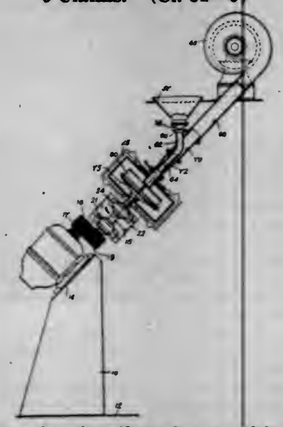
1. In a machine for multiple spot welding, a plurality of electrodes and electrode circuits; means for causing the electrodes and the electrode circuits to maintain all the electrode cir-

cuits through the work during the welding operations, a plurality of primary circuits in inductive relation, each with a plurality of electrode circuits and means for successively closing and opening the primary circuits so that only the group of electrodes associated with one primary is energized at one time.



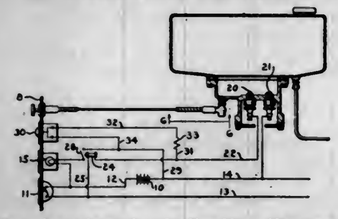
6. In a welding machine, a plurality of electrodes and electrode pads, fluid-operated means for bringing the electrode pads into contact with the work, fluid-operated means controlled by the operation of the first said means for bringing the electrodes and for individually supporting each electrode into contact with the work and a common supply of fluid being open to all the individual fluid-operated electrode supporting means at one time.

2,295,926
ABRASIVE THROWING MACHINE
George A. Boesger, North Olmsted, Ohio, assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 3, 1938, Serial No. 222,888
6 Claims. (Cl. 51—9)



1. In an abrasive throwing machine, a shaft mounted for rotation, a disk with a flat radial face mounted on said shaft, a plurality of abrasive throwing blades adapted to be mounted on said disk each comprising a relatively flat portion adapted to receive and propel abrasive, an upturned lip at one edge of said propelling face extending from the outer end to but not beyond substantially the mid-point of the blade length, said lip being substantially parallel with the radial face of the disk, means to mount said blades on said disk and an abrasive discharge feed pipe mounted to discharge beyond the outer radial edge of said blades and within a circle formed by the inner rotating edges of said lips closely adjacent to the disk axis of rotation and directly from said discharge feed pipe onto said blades.

2,295,927
WATER INDICATOR FOR FUEL SYSTEMS
Gerald Botteron, Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind., a corporation of Indiana
Application March 18, 1939, Serial No. 262,625
1 Claim. (Cl. 177—311)



A signal system for indicating the presence of undesired water in a tank for other liquid, said system comprising means providing spaced contacts disposed in a portion of said tank in which the undesired water may accumulate, a first circuit including in series a low voltage source and said spaced contacts, an electrically operable relay in said first circuit for energization by said source when said first circuit is closed by water bridging said spaced contacts, a relay controlled circuit energized by the low voltage source, said relay controlled circuit including a switch operated by said relay, an indicator in said relay controlled circuit and responsive to the closure of the switch in said relay controlled circuit for indicating the presence of water in said tank, and an additional circuit energized by the low voltage source and including in parallel with said electrodes a manually operable switch and a resistance equivalent to the resistance of the space between said spaced electrodes when bridged by water for testing the operability of the relay and the indicator.

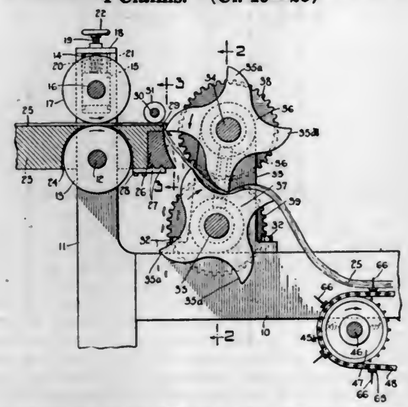
2,295,928
METHOD AND APPARATUS FOR GLAZING CERAMIC WARE
James A. Bower, Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, a corporation of West Virginia
Application April 29, 1938, Serial No. 205,020
12 Claims. (Cl. 117—104)



5. Apparatus for spraying ceramic ware with liquid glaze which comprises a conveyor system, a plurality of spaced tunnel-like spray booths through which said conveyor system extends, a plurality of spray nozzles amounted in each such booth above the level of such conveyor system and aimed angularly downwardly in different directions, an atomizing nozzle mounted close to each spray nozzle, means for supplying liquid glaze at a constant rate and volume to such spray nozzles and means for supplying a compressed fluid to said atomizing nozzles, said first means including a plurality of containers for liquid glaze remote from such nozzles and a constant displacement water pump positioned adjacent said containers, supply pipes leading from said pump to said containers and supply pipes leading from said containers to said spray nozzles, the construction and arrangement being such that during operation of the pump water is fed to said containers at a constant rate and volume, thereby displacing liquid glaze from said containers at the same rate and volume and causing such glaze to be received by said nozzles and discharged therefrom in atomized condition.

7. A method of spraying liquid glaze which comprises the steps of establishing a supply of liquid glaze, forcing water at a constant rate onto the upper surface of the said glaze supply to displace increments of glaze therefrom, leading the displaced increments of glaze to a plurality of discharge points and atomizing such increments of glaze at such discharge points.

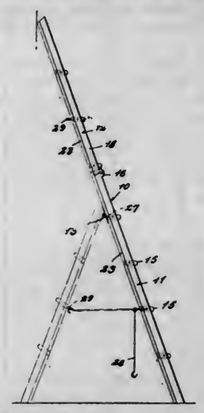
2,295,929
DECORTICATING MACHINE
William A. Boyce, Bridgeport, Conn.
Application April 13, 1940, Serial No. 329,512
4 Claims. (Cl. 19—25)



4. An apparatus for treating fibrous material comprising in combination a stationary anvil, a feeding apparatus for feeding the fibrous material over said anvil, an apron slidably mounted in the face of the stationary anvil and below the working edge thereof, a scutching rotor provided with radially extending ribs or blades and mounted on an axis parallel to the working edge of the anvil, means for reciprocating the apron in the stationary anvil and in a direction parallel to the axis of rotation of the scutching rotor, and means for rotating the scutching rotor to engage first with the working edge of the stationary anvil and subsequently with the face of the slidably mounted apron.

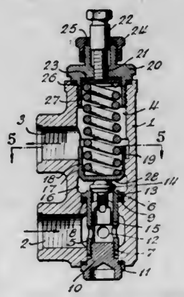
2,295,930
COMBINATION STEP AND STRAIGHT LADDER
Tobe Brown, Marion, N. C.
Application September 24, 1941, Serial No. 412,188
1 Claim. (Cl. 228—18)

A combined straight and step ladder comprising a base section consisting of a pair of spaced stile members, steps spaced therebetween and connected thereto, a stop rail connected between the upper ends of the stiles, a pair of hinges having offset leaves, a hinge being mounted on each stile member below the stop rail and presenting a leaf member on the inner side of the stile members; an upper section consisting of a pair of stile members, steps connecting the stile members, the stiles being spaced apart so as to be positioned between the stile members of the base section for alignment and securement to respective offset hinge leaves, and the stile members of the upper section having their lower ends



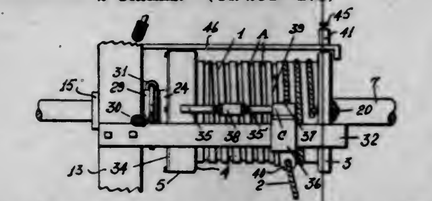
constructed and adapted to engage and lie flush upon the uppermost step of the lower section and to engage the stop rail when extended in the same plane as the lower section.

2,295,931
RELIEF VALVE
Harold Caminez, Hackensack, N. J., assignor to Air Associates Incorporated, Bendix, N. J., a corporation of New York
Application April 26, 1941, Serial No. 390,498
1 Claim. (Cl. 137—53)



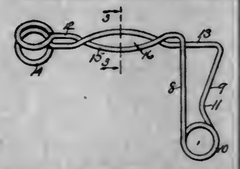
In a relief valve of the type described, a valve casing an ancillary poppet valve unit including a hollow body formed at one end as a valve seat and a poppet valve plunger lying within said body, coacting with said valve seat and disposed so as freely to slide within said body, and means for mounting said poppet valve unit within said relief valve casing, including flanged seats formed in said relief valve casing, at one end thereof and at a median portion thereof, respectively, and gaskets of elastic material fitting upon said flanged seats, said ancillary valve unit being formed in two sections mutually engaging one another by threaded coupling means, whereby said sections can be separately inserted into the end and median portion respectively, of said relief valve casing and then can be screwed together until each section tightly engages the corresponding gasket of said relief valve casing and thereby forms a substantially fluid tight connection therewith.

2,295,932
CATHEAD
William B. Campbell and James M. Johnson, Great Bend, Kansas.
Application March 6, 1941, Serial No. 382,014
2 Claims. (Cl. 254—173)



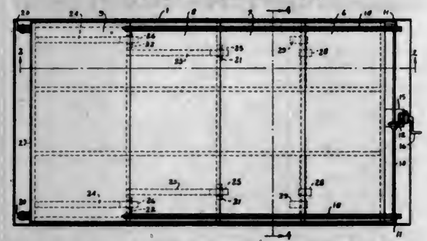
1. In a cat head for coupling and uncoupling drill stem sections, the cat head comprising a spirally grooved drum having a flange on each end of the drum and a cable to engage in the grooves, a clutch to function with one of the flanges of the drum and a lever to engage the clutch, a driveshaft secured to the clutch and axially extending through the drum as turning means therefor when the clutch is engaged with its respective flange, jack posts and bearings secured thereto, the driveshaft being journalled in the bearings, and power means to turn the shaft, a bracket carried by the jack post adjacent said clutch, an arm having one of its ends secured to the bracket extending longitudinally of the drum and across the peripheral face of the other flange, a plunger spring pressed secured to the arm where it crosses the other flange, the plunger to frictionally engage with said other flange to function as a continuous brake for the drum, a bar having one end secured to the jack post adjacent the clutch and extending longitudinal of the drum and in parallelism therewith, and to which the clutch engaging lever is rockably mounted, a clip engaging and slidable longitudinally on the bar, and opertured ear secured to the clip, receiving the cable slidable through the aperture as moving means for the clip, a yoke integrally joined to the clip, the yoke being semi-circular in form seating in a groove of the drum and coacting with the cable to move the clip, a striker adjustable longitudinal being carried by the clip and extending toward the clutch lever for engagement therewith at a predetermined instant to automatically disengage the clutch.

2,295,933
MOP WRINGER
Henry Cave, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut
Application October 10, 1939, Serial No. 298,784
1 Claim. (Cl. 15—263)



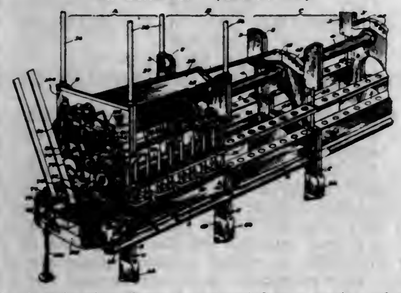
A mop wringer including two lengths of wire flexibly connected and extending in the same direction close enough to be grasped within one hand of the user for action as a handle, and jaw members projecting from both of said lengths as extensions thereof and at substantially right angles thereto in proximity to each other with the outer ends opening to receive a flat mop entered edgewise into said opening to be wound about said jaws for a wringing operation, said jaws being bowed outwardly from each other to form an opening gradually increasing in width from opposite ends of the bowed part toward the center, said bowed portion of each jaw crossing the bowed part of the other jaw near the ends of the opening formed by said bowed portions and for increased expulsion of liquid from the mop in a wringing operation, said opening being of a length substantially of the width of a mop to be received therein.

2,295,934
DELIVERY TRUCK BODY
Louis B. Clark, Beaumont, Tex., assignor of one-half to Charles E. Pool, Beaumont, Tex.
Application May 31, 1941, Serial No. 396,067
2 Claims. (Cl. 214—83)



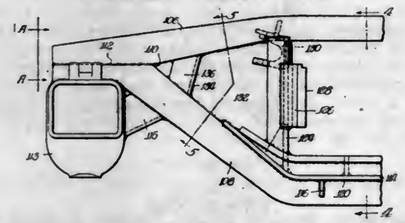
1. In a delivery carriage having a body, a shelf supported in horizontal position in the body, said shelf being formed of transverse sections, the forward one of which is fixed relative to the body, releasable latch means for connecting the other sections together to move as a unit, means for moving said other sections forwardly into superimposed relation with the fixed section in succession, means for successively releasing the latch means as a section moves into coinciding relation with the fixed section to allow the sections to assume a coinciding superimposed relation, said moving means being effective to also move the movable sections rearwardly into extended position, said latching means being arranged to successively re-engage upon such rearward movement.

2,295,935
SPINNING, TWISTING, AND SIMILAR TEXTILE MACHINES
Louis M. Cotchett, Hingham, Mass., assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application April 30, 1940, Serial No. 332,465
42 Claims. (Cl. 57—1)



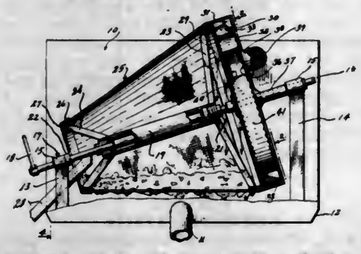
1. A spinning frame comprising a series of substantially identical sections, each section being a substantially complete spinning unit with its own frame adapted to rest on the floor and with rotary shafts individual to it, means connecting the frames of said sections together end to end to hold them in a definite cooperative relationship to each other, said means and said frames being constructed and arranged to permit relative movement of adjoining frames to enable each of them to accommodate itself to the requirements of the floor on which it rests while supporting the shafts of its own section in substantially fixed operative relationship to the spinning elements with which it cooperates substantially undisturbed by such relative movement.

2,295,936
SIDE FRAME
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 24, 1938, Serial No. 247,616
34 Claims. (Cl. 105—206)



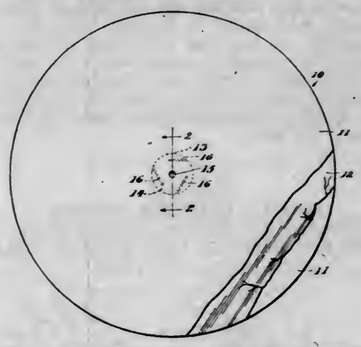
1. In a truss side frame comprising tension and compression members formed of seamless tubing, each of said members having an approximately oval cross-section throughout its length and merging with the other of said members adjacent the ends thereof to form a substantially integral structure, spaced vertical channel-shaped rolled members welded between said tension and compression members to form bolster guide columns, and gusset members welded between said tension and compression members adjacent their merging ends, each of said gusset members comprising a plurality of webs in planes parallel to the plane defined by said tension and compression members, and at least one web transverse thereto.

2,295,937
SCREEN SEPARATOR
Louis E. Crane and Mack Haggard, Hobbs, N. Mex.
Application December 5, 1939, Serial No. 307,712
3 Claims. (Cl. 210—199)



1. A device of the character described consisting of a revolubly mounted substantially tubular sieve having its axis of rotation within the sieve, a coaxial ring device fixed with the sieve having a peripheral and an inwardly projected wall spaced from the sieve at the outer side, a plurality of bucket elements thereon open inwardly and the spaces therebetween being open longitudinally inward toward the sieve, a stationary cylindrical wall element close to the path of the bucket elements at the inner side, said inwardly projected wall being in close relation thereto, and a wall element longitudinally inward of and close to the path of the buckets to form a closure therefor next the sieve, and having an opening therethrough to permit emptying of the ring device and buckets therethrough into the sieve, and said wall being movable for adjustment of said opening along said path.

2,295,938
METHOD OF MAKING PHONOGRAPH DISKS
Raymond S. Dech, Stamford, Conn., assignor to The Audio Manufacturing Corp., Glenbrook, Conn., a corporation of Connecticut
Original application June 24, 1941, Serial No. 399,501, now Patent No. 2,283,797, dated May 19, 1942. Divided and this application March 24, 1942, Serial No. 436,026
10 Claims. (Cl. 274—46)



1. The method of making a phonograph disk comprising forming a large opening in a member of fracturable material, placing in said opening an insert of a material adapted to have an opening punched therein without causing fracture of the material, applying a film of sound groove receiving material to said member and said insert and thereby sealing the latter in place, and then punching a locating opening in said insert.

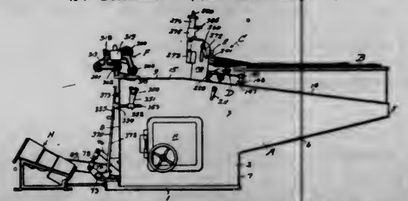
2,295,939
ICE TRAY
Thomas S. Elliott, Sr., Norfolk, Va. assignor of one-half to Birdie Lee Beem, Norfolk, Va.; Thelma Elliott Evans, administratrix of said Thomas S. Elliott, Sr., deceased
Application August 21, 1940, Serial No. 353,558
9 Claims. (Cl. 62—108.5)



1. In an ice tray including a grid, a cross shaft rotatably and removably supported at the upper portions of the middle parts of the sides of the tray, means for rotating the shaft and cams on the shaft adjacent the ends thereof for engaging

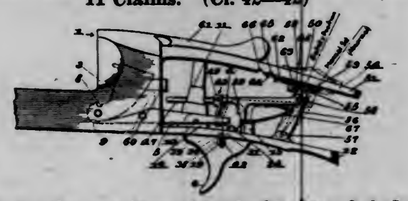
the inner pair of cross members of the grid for rocking such members to free the ice cubes from the grid and from the tray.

2,295,940
BAG TURNING MACHINE
Alfred J. Ersted, Menlo Park, Calif.
Application May 28, 1940, Serial No. 337,637
27 Claims. (Cl. 223—40)



1. A bag turning machine comprising bag holding means, bag turning means, means for removing the bags from the turning means, means for operating the bag holding, bag turning and bag removing means including an endless belt and an expansible pulley cooperating therewith, and means for varying the tension of said belt to expand said pulley to thereby vary the speed of operation of the bag removing means independent of the speed of operation of the bag holding and turning means for effecting removal of the bags of various length from the bag turning means during a predetermined path in the operation of the same.

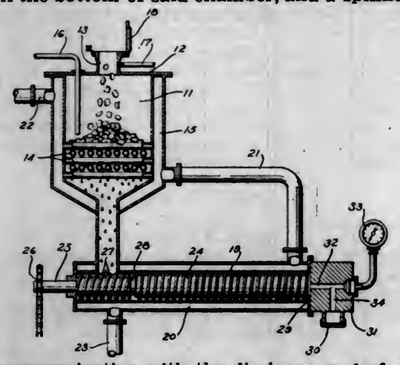
2,295,941
SINGLE TRIGGER DEVICE
Frederick T. Fahlen, Phoenix, Ariz.
Application March 31, 1939, Serial No. 265,352
11 Claims. (Cl. 42—42)



3. In the receiver of a double-barreled firearm having hammers for the respective barrels, sears to hold the hammers cocked and a solitary trigger for causing the release of the hammers, movable means carried by the trigger, being sequentially engageable with the hammer sears to successively actuate said sears upon consecutive pulls upon the trigger, latch means to hold said movable means in a normal starting position, and means abutted with the receiver upon a pull of the trigger to displace the latch means and initiate the departure of the movable means from said starting position for the completion of its sequence.

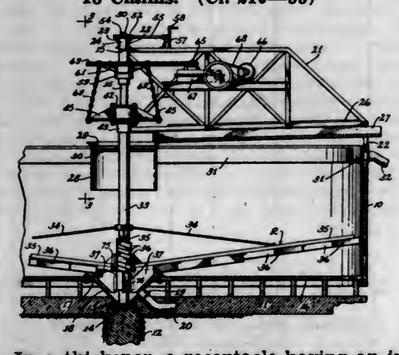
2,295,942
MANUFACTURE OF FILAMENTS
Reuben T. Fields, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 2, 1940, Serial No. 349,849
5 Claims. (Cl. 18—8)

3. Apparatus for preparing coarse filaments from a synthetic linear condensation polymer, which comprises a chamber for melting said polymer, means for heating said chamber, means for introducing an inert gas heavier than air into said chamber to blanket at least the lower portion thereof, a screw pump disposed below said chamber and having its intake end communicating with the bottom of said chamber, and a spinneret



in communication with the discharge end of said screw pump, said screw pump having a capacity at its intake end at least four times as great as its capacity at its discharge end and comprising a screw provided at the discharge end with a flute between .050" and .150" in depth and .25" and .50" in width.

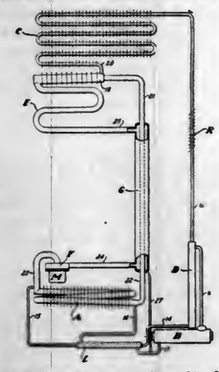
2,295,943
THICKENER
John H. V. Finney, Denver, Colo., assignor to Homer C. Hirsch, El Paso, Tex.
Application August 2, 1937, Serial No. 156,840
18 Claims. (Cl. 210—55)



1. In a thickener, a receptacle having an inlet for liquid and an outlet for sludge; means for moving settled solids in the liquid towards the outlet; means for driving the first means; means coacting with the driving means and first means to raise the latter bodily in the receptacle in response to resistance to the movement of the first means; and means by which operation of the driving means is caused to be discontinued when the first means has been raised to a predetermined extreme elevated position.

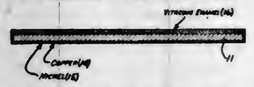
2,295,944
REFRIGERATION
Richard R. Fitzsimmons, Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio
Application August 17, 1939, Serial No. 290,576
16 Claims. (Cl. 62—5)

1. Absorption refrigerating apparatus comprising a solution circuit including a generator and an absorber, an inert gas circuit including an evaporator and said absorber, means for liquefying refrigerant vapor produced in said generator and for supplying the liquid to said evaporator,



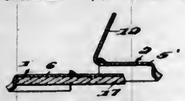
means in said inert gas circuit for circulating the inert gas between said evaporator and said absorber, and means for varying the effective capacity of said circulating means to maintain the refrigerating capacity of the apparatus under varying atmospheric conditions.

2,295,945
MANUFACTURE OF VITREOUS ENAMELED ARTICLES
Howard J. Fralish, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 24, 1940, Serial No. 315,383
6 Claims. (Cl. 117—53)



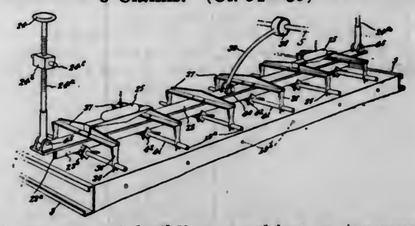
1. In a method of producing a vitreous enamel coating on the face of a substantially flat article, the steps of engaging the edge surface of the article with an absorbent material containing a petroleum oil to apply the petroleum oil on said edge surface and a portion of the article face immediately adjacent to the edge, engaging the edge surface of the article with an absorbent material to remove the petroleum oil from the edge surface, applying particles of vitreous enamel on the face of the article, and firing the article to fuse the vitreous enamel particles and form a coating.

2,295,946
BOTTLE CAP
John D. Grandy, Loon Lake, Saskatchewan, Canada
Application November 22, 1940, Serial No. 366,770
10 Claims. (Cl. 215—46)



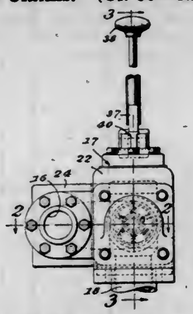
1. A bottle cap comprising two sections, each section comprising a disk and a depending crimped skirt, the disks being in overlapping relation and the skirts abutting each other to form a continuous skirt around the circumference of the disks, the upper disk being bendable having a cut therethrough substantially in line with the points where the skirts abut and means on the other disk engaging said cut to hold the sections together whereby the upper disk may be bent along said line for releasing said disk.

2,295,947
ROAD BUILDING MACHINE
John N. Heltzel, Warren, Ohio
Application December 14, 1939, Serial No. 309,257
3 Claims. (Cl. 94—39)



1. In a road building machine, a transverse joint installing member supported by the road machine, adjustable means between the road machine and the member to raise and lower said member, reciprocating means having a small throw connected to the member and operable from said machine to reciprocate the member to a slight extent, arms extending laterally from the member for holding dowel bars transversely to the member, and vibrating means on the member to vibrate the member and arms.

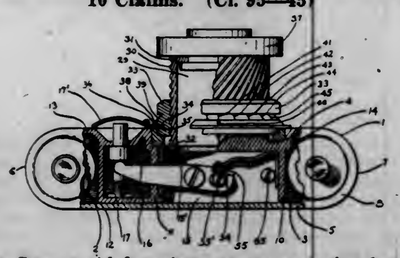
2,295,948
VALVE
Carle D. Henry, South Portland, Maine, assignor to Maine Steel, Inc., South Portland, Maine, a corporation of Maine
Application August 4, 1941, Serial No. 405,307
5 Claims. (Cl. 60—52)



1. A control valve for controlling the flow of fluid in a system including a pump controlled source and a hydraulic ram, comprising a valve casing having a first port for admitting fluid under pressure from said source, a second port for sending fluid under pressure to said source, and a third port for admitting fluid under pressure to said ram, a fixed guide in said casing having a reduced portion between its ends, a valve slidable longitudinally over said guide and having spaced valve portions to control certain of said ports, said valve having three operative positions, the valve in the first of said operative positions connecting said first and second ports and blocking said third port to thereby hold said ram against movement, the valve in the second of said operative positions connecting said first

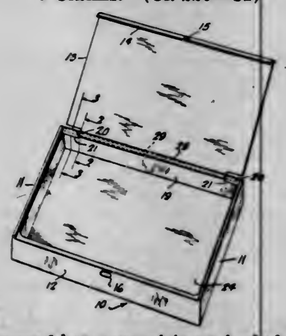
and third ports and blocking said second port to thereby raise said ram, and the valve in the third of said positions connecting all of said ports to thereby lower said ram, and bleeder means adjacent said valve portions and coacting with the reduced portion of said valve guide for effecting communication between said third and second ports on movement of said valve from said third position to said first position to thereby retard said ram before it is stopped.

2,295,949
MEANS FOR FOCUSING CAMERAS
William F. Holeka, Los Angeles, Calif.
Application January 22, 1940, Serial No. 314,985
10 Claims. (Cl. 95—45)



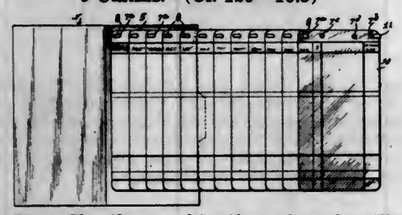
1. In a rapid focusing camera, a casing having a plurality of compartments, one compartment having a chamber to accommodate a photographic film along a plane thereof, a shell snugly fitting and shiftable in said chamber, a focusing cylinder adjustably fixed to said shell and extending outwardly from the casing, a lens attached to the cylinder and arranged to focus upon said plane, a control chamber adjacent said other chamber having a plurality of push button elements of different strokes to represent certain distances beyond the front of the lens, means arranged to be shifted by said buttons and having connection with said shell so that when one of the buttons is shifted the lens is shifted a predetermined amount to bring the plane in sharp focus with an object at a predetermined distance beyond the lens.

2,295,950
COVER HINGE
Rudolph N. Houlihan, Bridgeport, Conn., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application October 25, 1939, Serial No. 301,124
7 Claims. (Cl. 220—31)



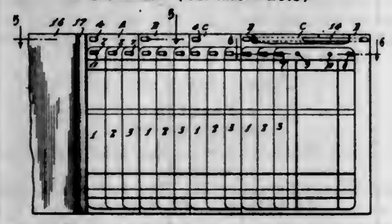
1. A covered box comprising a body having side walls, a cover having a hinge pin including an exposed portion located adjacent the top of a side wall, said body provided with a downwardly opening recess in the under side of its bottom wall, and a strap having a body portion extending upwardly over said side wall provided with a lug at its lower end seated in said latter recess, and said strap extending at its upper end portion over the pin to hold it in position relative to the body and provided with a hooked portion at its upper end hooked over the top edge of the side wall to retain the strap on the body.

2,295,951
COMPARATIVE DATA FILE
Jesse M. Jones, North Hollywood, and Cedric F. Gove, Los Angeles, Calif., assignors to Charles R. Hadley Company, Los Angeles, Calif., a corporation of California
Application December 26, 1940, Serial No. 371,614
9 Claims. (Cl. 129—16.5)



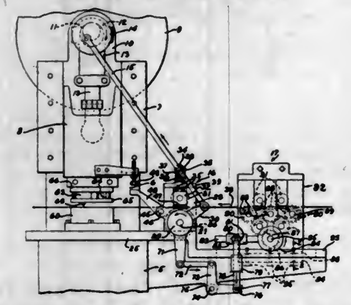
6. In a file, the combination of a plurality of juxtaposed sheets, each of said sheets having a row of spaced perforations, said perforations registering together when the sheets are in juxtaposed relation, a flat guide bar corresponding to each sheet with means at an end for securing the same to each relatively upper sheet and woven through a pair of perforations of the adjacent under sheet, said last-named perforations being out of line with the points of connection of the guide bar to the relatively upper sheet so as to permit the sheets to be shifted in echelon arrangement in either direction.

2,295,952
COMPARATIVE DATA FILE
Jesse M. Jones, North Hollywood, and Cedric F. Gove, Los Angeles, Calif., assignors to Charles R. Hadley Company, Los Angeles, Calif., a corporation of California
Application May 27, 1941, Serial No. 395,374
5 Claims. (Cl. 129—16.5)



4. In a file adapted to facilitate comparisons of entries extending through different time periods, the combination of a plurality of juxtaposed carrier sheets, horizontally disposed members for effecting sliding connections between said carrier sheets so as to enable the same to be superposed in register with each other, and shifted laterally relatively to each other into an echelon arrangement, a plurality of juxtaposed data sheets carried on the carrier sheets, having columns thereon for the entry of data. horizontally disposed links for connecting the data sheets together so as to enable the same to be superposed with the corresponding columns in register, and shifted laterally with respect to each other and transversely of the columns into an echelon arrangement, the lateral shift of the carrier sheets cooperating with the shift of the data sheets to enable corresponding columns of all the data sheets toward the same side of the sheets, to be exposed simultaneously to view.

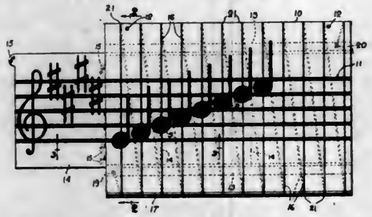
2,295,953
MATERIAL HANDLING APPARATUS
John W. King, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1939, Serial No. 255,895
11 Claims. (Cl. 153—2)



1. In a material handling apparatus, stock feeding means, positively driven stock straightening means, and means acting in conjunction with the stock for automatically adjusting the stock straightening means to vary the amount of stock straightened on a succeeding operation in accordance with the deviation of the amount straightened on a previous operation from a predetermined standard

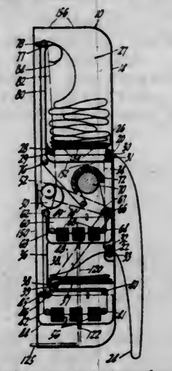
8. In a material handling apparatus, a set of forming tools, a stock straightener associated with said forming tools, means for shifting the position of said straightener, and means for feeding an amount of stock through said straightener which varies with the position of the straightener.

2,295,954
MUSICAL EDUCATIONAL DEVICE OR APPARATUS
John Kustodowich and Herbert Erenberg, Detroit, Mich.
Application July 21, 1941, Serial No. 403,426
4 Claims. (Cl. 84—472)



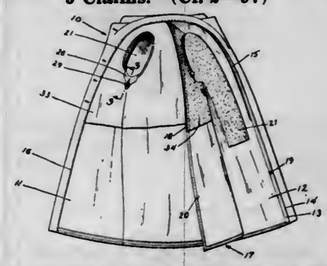
1. In a device of the class described, a panel provided on one surface thereof with a staff, wires stretched across said surface of said panel, loose musical symbols movably mounted on said panel between the surface aforesaid and said wires and shiftable to various selected positions relative to said staff, and means on said panel for spacing said wires from a portion of said surface so that said symbols may be readily inserted between said surface and wires or withdrawn therefrom.

2,295,955
TOWEL WASHER AND DISPENSER
Victor J. La Page, Snyder, N. Y., assignor to International Musical Instrument Co., Buffalo, N. Y.
Application March 9, 1942, Serial No. 433,864
10 Claims. (Cl. 68—13)



4. A towel washing and ironing and dispensing apparatus comprising a cabinet, an endless towel disposed substantially within said cabinet and having a looped portion extending exteriorly therefrom for the purposes of the user, wash tank means disposed within said cabinet, rinse tank means arranged adjacent said wash tank means, towel ironing means disposed adjacent said rinse tank means, means for automatically pulling the accumulated soiled toweling so as to pass successively through said wash tank means and said rinse tank means and said ironing means for dispensing delivery, and means for periodically and automatically changing the washing and rinsing solutions of said wash tank means and said rinse tank means in accord with the extent of use of said toweling.

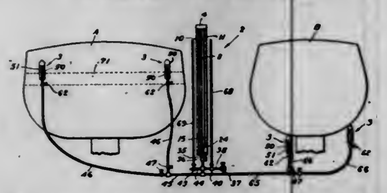
2,295,956
REMOVABLE LINING
Salvatore Lapick, Lakewood, Ohio, assignor to The Printz-Biederman Company, a corporation of Ohio
Application March 7, 1942, Serial No. 433,723
3 Claims. (Cl. 2—97)



1. In an outer garment, the combination of a sleeved coat, a body lining fitted within the coat, a detachable connection between the body lining and coat extending in a line over the shoulders and past the neck therebetween, com-

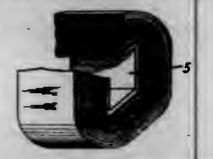
plementary hook fasteners running almost entirely around the armholes of said body lining and said sleeve linings except at the lowermost portion, a shield member at the lowermost portion of said armhole sleeve lining, a button attached slightly below the lowermost portion of each armhole on the inside of said outer garment, an elongated vertical button hole slightly below the armhole of said body lining for attachment to said button, an elongated vertical button hole along the medial line of said shield member for attachment to said button.

2,295,957
DEVICE FOR DETERMINING ELEVATIONS AND LEVELS
John Laurencelle, Vallejo, Calif.
Application April 7, 1941, Serial No. 387,155
5 Claims. (Cl. 33—209)



1. A device of the type described comprising a plurality of stations; each station including a fixed master gauge having a stationary master board with a plurality of elevation marks thereon which are to be transferred to points distant from said master gauge, a plurality of portable gauges associated with each master gauge and having tube connections therebetween; said stations being connected with a liquid supply pipe; each station having valves for opening and closing the passage of liquid from liquid supply pipe to the gauges, and a valve for controllably bleeding liquid out of the same.

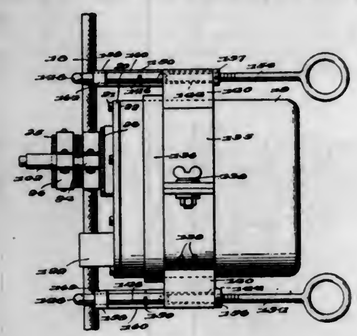
2,295,958
COMPOSITION SUITABLE FOR IMPREGNATING FIBROUS MATERIALS
Raymond P. Lutz, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application October 31, 1936, Serial No. 108,610. Divided and this application January 21, 1939, Serial No. 252,150
2 Claims. (Cl. 106—173)



1. A composition for impregnating fibrous electrical insulating materials comprising substantially equal parts of a cellulose acetate and Vinsol, and a solvent comprising acetone.

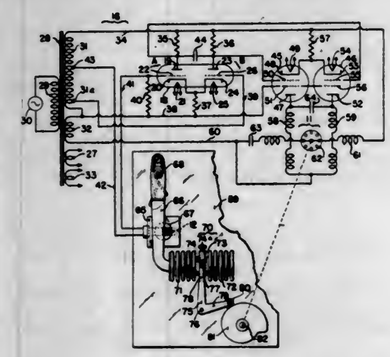
2,295,959
AMPERE DEMAND METER
James H. Melville and Richard Hoeller, Miami, Fla.
Application August 28, 1939, Serial No. 292,344
12 Claims. (Cl. 171—95)

1. In a device for measuring an electrical quantity in an electric power transmission line relatively stiff in use, including a casing; a pair of members supported on said casing and responsive to the electro-magnetic currents in said line, said members being spaced from one an-



other to allow the transmission line to pass therebetween along one axis and clamp means on said device opposite the space between said members and spaced therefrom along said axis for supporting said casing on said line and for holding said line between said members.

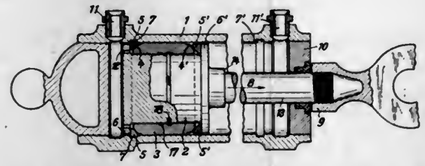
2,295,960
MEASURING AND CONTROL APPARATUS
Coleman B. Moore, Carroll Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 3, 1940, Serial No. 312,305
16 Claims. (Cl. 250—41.5)



9. In combination, a deflectable member, means normally maintaining said member in a predetermined position, and means to temporarily deflect said member from said predetermined position including a bellows having one end thereof connected to said member, a fluid in said bellows, said bellows having a restriction through which the fluid therein is adapted to flow on a change in pressure in said bellows, adjustable cam means, means to adjust said cam means, and a device adapted to be adjusted in accordance with the position of said cam means connected with said bellows at a point displaced from the end which is connected to said member.

15. In a normally balanced electrical network adapted to be unbalanced in accordance with variations in a variable condition to be measured and adapted to be rebalanced on unbalance thereof, a light sensitive device, means for impinging a beam of light on said light sensitive device, means for producing deflections of said light beam in one direction or the other from a predetermined normal position in accordance with the direction of unbalance of said network, a movable shield interposed between said impinging means and said light sensitive device, means tending to maintain said shield in a predetermined position, means to rebalance said network upon unbalance thereof, and means under control of said light sensitive device to control said rebalancing means and thereby to reduce the deflections of said beam from said normal position, the combination with said rebalancing means of means continuously connected with said rebalancing means adapted to adjust said movable shield relatively to said light sensitive device in accordance with the operation of said rebalancing means, said last mentioned means including time delay means to neutralize the effect thereon of operation of said rebalancing means and thereby to reduce the deflection of said shield.

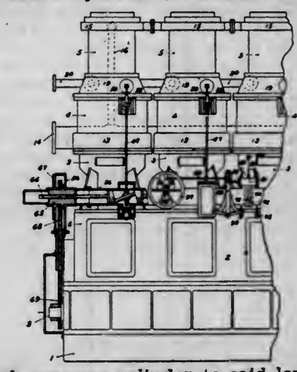
2,295,961
PISTON LOCKING DEVICE
Ludwig Meyer, Dessau, Germany; vested in the Alien Property Custodian
Application November 23, 1938, Serial No. 242,049
In Germany November 26, 1937
14 Claims. (Cl. 121—40)



13. A piston locking device comprising a cylinder having annular grooves formed therein, a main piston mounted for axial movement in said cylinder having an annular recess formed therein from one extremity, an auxiliary piston in said recess having annular tapered faces around its periphery, resilient locking rings mounted outwardly of the auxiliary piston adapted to be expanded by said tapered faces to engage said cylinder grooves upon axial movement of the auxiliary piston, means retaining said auxiliary piston in said recess, means retaining said rings in spaced axial relation, and means permitting the passage of a pressure medium from each extremity of the cylinder into the adjacent end of the recess.

2,295,962
MULTIPLE CYLINDER STEAM ENGINE AND VALVE GEAR THEREFOR
Herman G. Mueller, Erie, Pa., assignor to Ajax Iron Works, Corry, Pa., a corporation of Pennsylvania
Application October 27, 1941, Serial No. 416,630
28 Claims. (Cl. 121—103)

1. In a multiple cylinder steam engine, in combination, a high-pressure cylinder having an admission and an exhaust port; a low-pressure cylinder having ports for receiving the exhaust steam from said high-pressure cylinder; and a valve interposed between said cylinders for opening the admission port in said high-pressure cylinder for admission of high-pressure steam thereto and for opening both of said ports in said high-pressure cylinder to exhaust steam from



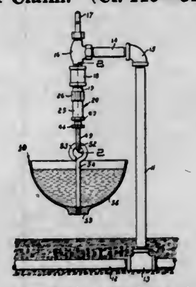
said high-pressure cylinder to said low-pressure cylinder.

2,295,963
CONDENSATION PRODUCTS OF THE PYRENE SERIES
Heinrich Neresheimer and Anton Vilsmeier, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application September 1, 1938, Serial No. 227,986. In Germany September 4, 1937
7 Claims. (Cl. 260—359)

1. A process of producing a condensation product of the pyrene series which comprises heating a compound of the pyrene series having hydroxyl groups directly attached to the nucleus with an alkyl halide containing at least 6 carbon atoms in the presence of an acid condensing agent.

5. A high molecular from oily to solid low melting condensation product obtained according to the method of claim 1.

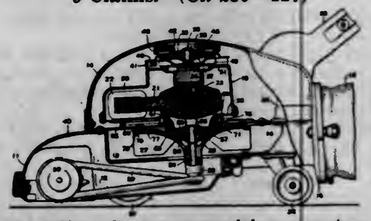
2,295,964
WATERING APPARATUS
Jesse Null, Arcadia, Calif.
Application March 18, 1940, Serial No. 324,591
1 Claim. (Cl. 119—81)



In a poultry and livestock watering device, a supporting conduit, an elongated hollow tube supported at the upper end thereof on said conduit, said tube communicating with said conduit, a stud bolt having a bore therethrough and threadedly engaging the upper end of said tube, a valve secured in said stud bolt bore, said stud bolt having a flange thereon, a gasket engaging said stud bolt flange and the upper end of said hollow tube, said valve having a valve rod extending into said tube, a second stud bolt having a

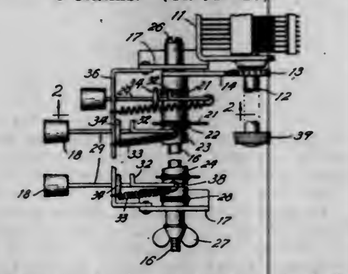
bore therethrough and threadedly engaging the lower end of said tube, said two stud bolt bores being axially aligned, an operating rod slidable through said second stud bolt bore and extending upwardly into the interior of said tube, said operating rod having a diameter less than the diameter of the tube and less than the diameter of the bore of the second stud bolt, said operating rod having an enlarged head portion at the upper end thereof adapted to engage said valve rod, a compression spring disposed about said operating rod in said tube, said spring at the upper end thereof engaging said head portion and at the lower end thereof engaging said second stud bolt, and a receptacle supported by said operating rod and normally urging said head portion away from said valve rod.

2,295,965
SUCTION CLEANER
Frank L. Pierce, Garden City, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 18, 1939, Serial No. 305,053
9 Claims. (Cl. 230—117)



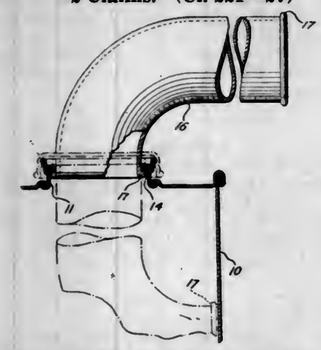
1. A suction cleaner comprising a motor, a fan chamber having a fan mounted on said motor, means for resiliently supporting said motor to permit vibration of the same, a labyrinth plate having a portion rigidly mounted on said resiliently supported motor and its unsupported portion spaced from said fan to prevent foreign material from entering therebetween, said labyrinth plate and fan vibrating in unison with said motor upon vibration of the latter on said resilient means to thereby maintain said clearance between said fan and labyrinth plate substantially constant.

2,295,966
TUNING MECHANISM FOR RADIO RECEIVERS
Alexander W. Plensler, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application March 8, 1938, Serial No. 194,634
8 Claims. (Cl. 74—10)



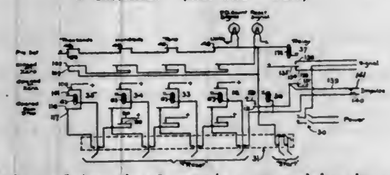
1. Automatic tuning apparatus including a shaft adapted to drive a tuning device, a rocker on the shaft extending in two directions therefrom, an actuator having spaced arm portions adapted to engage the two extending portions of the rocker and to actuate it always to the same position to turn the shaft to a position corresponding with the position of the rocker on the shaft, means for manually operating said actuator, said actuator including at least one supporting portion extending to one side and to at least axial center of said shaft, and a bushing member on the shaft for clamping the rocker in place, said bushing member being grooved and receiving said supporting portion in guiding engagement therewith.

2,295,967
RETRACTABLE POURING NOZZLE
Walter G. Plumb, Ridgewood, N. J.
Application November 13, 1940, Serial No. 365,497
2 Claims. (Cl. 221—27)



1. A retractable pouring spout for metal containers comprising a tubular nozzle secured to a wall of said container, an annular ledge formed within the inner wall of said nozzle, a metal retainer ring removably secured within said opening and bearing against said ledge, said ring having a flexible washer housed therein between upper and lower surfaces of said ring, and a tubular pouring spout flanged at its opposite ends and slidably disposed within said retainer ring while in engagement with the inner surface of said washer, whereby said spout may be maintained against removal from said ring and slidable thereon throughout its entire length.

2,295,968
PREDETERMINED COUNTER
Frederick A. Poole, Barrington, Ill., assignor to Production Instrument Co., Chicago, Ill., a corporation of Illinois
Application May 2, 1940, Serial No. 333,023
5 Claims. (Cl. 235—132)



1. A predetermined counter comprising in combination a plurality of counter units for a series of orders, each counter unit including a shaft and step-by-step electromagnetic means to advance said shaft, a pre-set shaft corresponding to each counter unit shaft, co-operating contacts in connection with each counter unit shaft and the pre-set shaft therefor for engagement with each other at angular rotated position of the counter unit shaft corresponding to the momentary rotated position of the said pre-set shaft, a series circuit including the co-operating contacts of each counter unit and its pre-set shaft aforesaid and also including a relay having a solenoid, said relay including normally closed counter unit solenoid impulse actuating current supply contacts, said impulse actuating current supply contacts moving to open circuit position upon energization of the relay solenoid upon closing of said series circuit at completion of the pre-determined count, a totalizing counter unit including a shaft and step-by-step electromagnetic means to advance said shaft, means to deliver current impulses to the electro-magnetic means of the totalizing counter unit simultaneously with delivery of said impulses to the electro-magnetic means of the units order counter unit of the series of counter units aforesaid, a movable contact in connection with said totalizing counter unit and movable to closed circuit position during each actuation of said electro-magnetic means of said totalizing counter unit, together with means to supply current from said movable contact of the totalizing counter unit to the impulse actuating current supply contact of the relay during each actuation of the totalizing counter unit and independently of the relay position at such time, substantially as described.

2,295,969
PROCESS OF MAKING FLOOR COVERINGS
Paul O. Powers, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application July 24, 1939, Serial No. 286,078
1 Claim. (Cl. 117—76)

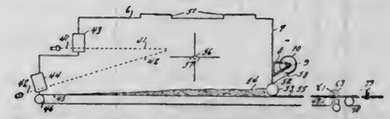
The process of seal coating an asphalt impregnated felt base material, which comprises condensing urea and an aldehyde in a molar ratio between 1.5:1 and 1.8:1 of aldehyde to urea at a pH between 6.0 and 6.5 in aqueous solution at an elevated temperature to form an aqueous bath of water soluble, urea aldehyde resin, adjusting the pH of the bath to approximately between 7 and 9, adding to the bath an ammonium salt, the acid radical of which has substantialy less volatility than said ammonium radical while maintaining the bath at a pH between 7 and 9, passing the asphalt impregnated felt base material while at a temperature of about 190° F. through said resin bath heated to a temperature of about 150° F., the heat of the felt base material causing decomposition of said salt and volatilization of said ammonium radical whereby the setting of the resin is accelerated by the acid radical.

2,295,970
BRUSH
Clarence G. Rowland, Newington, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut
Application April 23, 1940, Serial No. 331,141
7 Claims. (Cl. 300—21)



1. A brush including a plurality of deformable channeled strips all of the same twisted form and with brush material secured in and projecting from the mouths of the channels, said strips being intertwined and thereby interlocked against separation laterally, with the backs in firm contact with each other and with the brush material disposed in spaced apart parallel rows in spiral form, a shank formed at one end of the twisted structure, and a handle or holder to which said brush is secured.

2,295,971
FABRICATING MINERAL FIBER
Clinton L. Savidge, Toledo, Ohio, assignor to Ohio Insulation Company, Toledo, Ohio, a corporation of Ohio
Application June 29, 1940, Serial No. 343,249
5 Claims. (Cl. 154—27)



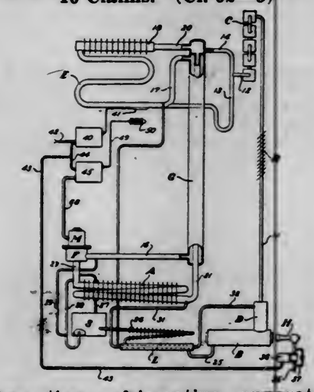
1. The method of producing sheet backed fibrous mineral wool sections as a continuous process to form accumulated slag with sufficient silica content, subdivided into fragments to pass through a four inch mesh screen to form a charge, wherein delivery is had of such charge for melting at a suitable temperature therefor, drawn off from the melting in stream continuity, simultaneous blasting transversely a plurality of the streams into fiber by projecting the fiber therefrom, commingling of the fiber being promoted abruptly changing the course of fiber projection, the fiber having been settled to form a continuously moving bed, comprising the steps of utilizing residual melting heat from the projected fiber thereby to soften a coated faced sheet, supplying said sheet softened coating side directly against the moving sheet in simultaneous common direction of travel therefor, holding the sheet against the bed, chilling the bed and sheet for establishing of adherence between the bed and sheet, and subdividing the bed and sheet into sheet backed sections.

2,295,972
SOAP-HOLDING AND OTHER ACCESSORY FOR FAUCETS OR WATER TAPS
John Essendon Simmonds, St. Kilda, Victoria, Australia
Application January 2, 1940, Serial No. 312,099
In Australia January 24, 1939
3 Claims. (Cl. 45—28)



1. A faucet accessory intended for locating a receptacle for soap laterally of the faucet body, when viewed from above and rearwardly of the spout, including rigid faucet engaging and embracing arms on the receptacle having between them a narrow gap which is open to enable the arms to be passed about the stem of the faucet and the accessory to be, without alteration, almost instantly hung and seated by hand securely on said body with the receptacle supported at said side, and at will almost instantly removed, said arms extending upwardly from the receptacle and having transverse upper limbs to bear upon the upper part of the faucet body near the receptacle.

2,295,973
REFRIGERATION
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio
Application August 17, 1939, Serial No. 290,577
16 Claims. (Cl. 62—5)

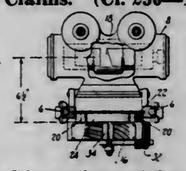


1. Absorption refrigerating apparatus comprising an inert gas circuit including an evaporator and an absorber, a solution circuit including a generator and said absorber, means for liquefying refrigerant vapor produced in said generator and for supplying the liquid to said evaporator, a gas lift conduit included in said solution circuit for circulating the solution, means for supplying pumping gas from said inert gas circuit to said gas lift conduit to operate the same, and means for varying the pressure of the gas supplied to said gas lift conduit in response to changes in a condition affecting the operation of the apparatus.

2,295,974
ASPHALT COMPOSITION
Stanley S. Sorem, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 29, 1940, Serial No. 343,270
15 Claims. (Cl. 117—135)

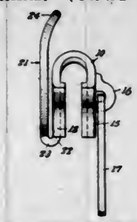
1. The process of improving the bonding power of an asphalt containing normal amounts of asphaltic acids towards a metallic surface corrodible by said acids comprising adding to said asphalt a small amount of a salt combining a volatile organic acid with a metal the soaps of which metal with said asphaltic acids are no more water-soluble than those of zinc, heating the asphalt to expel volatile acids and applying the resulting product to said metallic surface.

2,295,975
RADIOGRAPHIC EQUIPMENT
George L. Storm, West Orange, N. J., assignor of one-half to Arthur Wright, Essex Fells, N. J.
Application March 30, 1940, Serial No. 326,839
15 Claims. (Cl. 250—105)



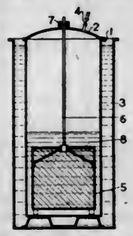
1. Radiographic equipment for use with X-ray photographic apparatus, comprising a housing to be positioned between the target and film, a controllable aperture diaphragm within the housing, a scale on the outside of the housing having curves and indicia thereon indicative of areas of the film exposed to the target, an index cooperating with said scale and carrying indicia indicative of distances between target and film, and means for operating said diaphragm and index conjointly.

2,295,976
INTERLOCKING FASTENER GUARD
Mack Suskowitz, Ozone Park, and Frank Kopp, Brooklyn, N. Y.
Application September 6, 1941, Serial No. 409,808
6 Claims. (Cl. 24—205)



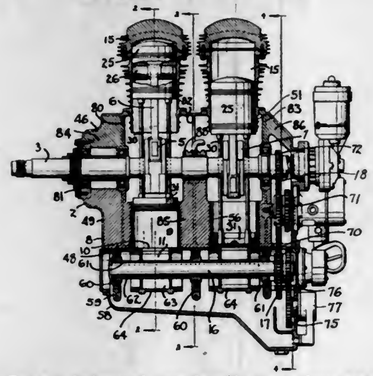
5. A one-piece combined slide and guard for an interlocking slide-operated fastener provided with stringers, comprising a front part, a rear part in rearward spaced relation to and joined at one end to an adjacent end of the front part, a circular guard member in rearward spaced relation to the rear part, and a 180° bend integrally joining the peripheral edge of the guard member to the other end of said rear part, said bend serving to divert objects in the path of said combined slide and guard during the opening movement of said fastener, the diameter of the guard member being greater than the greatest dimension of said front and rear parts and the center of the guard member being within the peripheral limits of the front and rear parts.

2,295,977
PROCESS FOR THE PREPARATION OF AN ALUMINUM CHLORIDE CATALYST
Samuel Benson Thomas and Frank Matthew McMillan, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 28, 1939, Serial No. 296,898
4 Claims. (Cl. 252—205)



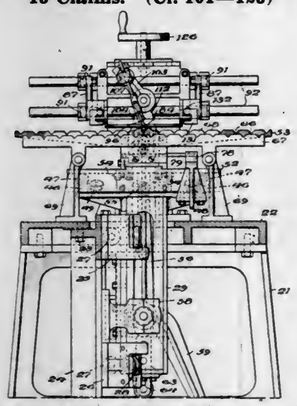
1. A process for the preparation of improved aluminum chloride catalysts especially suitable for catalyzing hydrocarbon reactions, which comprises the steps of soaking pieces of alumina in activated form, prepared by partial dehydration at a temperature above about 200° C. of crystalline alpha alumina trihydrate precipitated from a solution of sodium aluminate, in a substantial excess of molten anhydrous aluminum chloride over that inherently adsorbable in said alumina, said soaking being effected under pressure, draining off excess molten aluminum chloride in an atmosphere containing aluminum chloride vapors under pressure, and cooling to below 190° C.

2,295,978
TWO-CYCLE ENGINE
Charles A. Toce and Victor J. Toce, Houston, Tex., assignors to Federal Aircraft Engine Corporation, Houston, Tex.
Original application August 23, 1941, Serial No. 408,030, now Patent No. 2,278,038, dated March 31, 1942. Divided and this application March 28, 1942, Serial No. 436,682
4 Claims. (Cl. 123—71)



3. In an internal combustion engine assembly having combustion and compression chambers, an engine body including a lower half, said half having inclined side walls spaced apart, a flat base portion connecting said walls, a compression chamber sleeve in said base, a transverse baffle connecting the side walls on opposite sides of said compression chamber, and a longitudinal flange extending from said baffle at the center to support said sleeve.

2,295,979
STENCILING MACHINE
Le Roy C. Van Gorden, Franklinville, N. J., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application August 30, 1939, Serial No. 292,730
13 Claims. (Cl. 101—123)

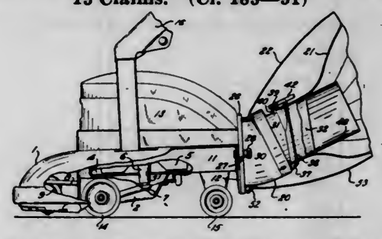


4. In a machine for printing on cylindrical glass ware, an ink pan having a stencil thereon and a wiper for forcing ink through said stencil, means for pivotally supporting said ink pan, means for elevating the ware to engage the underside of said stencil and lift the stencil into engagement with said wiper, a pair of spaced supports for the ware, each of said supports comprising a pair of adjacent rollers, means for moving said supports and said wiper transversely with respect to the axis of the ware, said wiper being positioned directly over the ware while the ware is in engagement with said stencil, gearing for rotating said rollers, and a stationary toothed rack engageable with said gearing for rotating said gears during said transverse movement.

2,295,980
ESTRADIOL DERIVATIVES AND PROCESS FOR PREPARING SAME
Rezsö Weisz, Budapest, Hungary; vested in the Alien Property Custodian
No Drawing. Application March 2, 1940, Serial No. 321,903
13 Claims. (Cl. 260—397.5)

1. Estradiol derivatives in which estradiol at position 17 is esterified by a polybasic aliphatic carboxylic acid ester.

2,295,981
SUCTION CLEANER
Harry B. White, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 23, 1939, Serial No. 310,756
15 Claims. (Cl. 183—51)

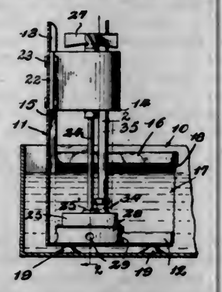


1. A bag unit for a suction cleaner of the type having an ambulatory body formed with a nozzle and an exhaust outlet and suction-creating means to draw air into said nozzle and to exhaust it from said outlet; comprising a bag-mounting assembly adapted to be secured to said exhaust outlet and including a bag-seating conduit and bag-clamping means, said bag-seating conduit being adapted to extend into the mouth of a dirt-filtering bag and being formed with an outer end having an inclined face relative to a transverse plane perpendicular to the conduit axis to provide inclined piloting edges to aid in seating a bag on said conduit, a dirt filtering bag formed with a reduced inlet conduit and expanding into an enlarged body portion, the outer end of said inlet conduit being formed with a face inclined similarly to the face of said bag-seating conduit, said inlet conduit being of a size to slide upon and closely embrace said bag-seating conduit, and cooperating locating means upon said bag-mounting assembly and upon said bag inlet to align said conduits with said inclined faces parallel.

2,295,982
PUMP UNIT AND STAND
Joseph Widman, Los Angeles, Calif.
Application April 13, 1939, Serial No. 267,639
1 Claim. (Cl. 210—170)

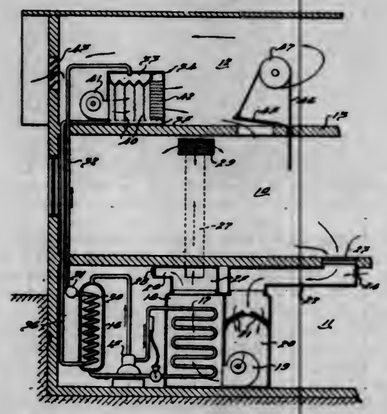
A portable stand for a pump unit comprising

a shallow pan adapted to be positioned in a receptacle containing a body of liquid, said pan having an upright wall at one end for support of a pump unit, suction cups on the under side



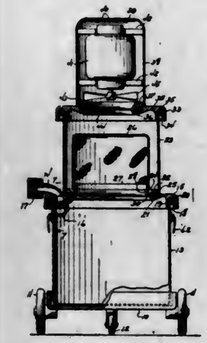
of the base of the pan affording support of the unit upon the bottom wall of the receptacle, and a vertically disposed screen mesh guard being fixed to the upright wall of the pan to enclose the sides and an end wall of the pan.

2,295,983
AIR CONDITIONING SYSTEM
Burdell S. Williams, Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application October 15, 1940, Serial No. 361,296
2 Claims. (Cl. 62—129)



2. Air conditioning equipment for an enclosure having an attic space adjacent thereto comprising a mechanical air cooling and circulating system of the compressor-condenser-expander type employing forced draft for cooling the air of said enclosure, an evaporative cooler located in said attic space and having its air inlet opening and its air outlet opening communicating with said attic space, means to circulate water from the condenser of said air cooling system through said evaporative cooler and back to said condenser in order that said water may be cooled in said evaporative cooler and returned to the condenser of said system at a temperature such as to condense the refrigerant, said evaporative cooler comprising means for circulating air from said attic space through said evaporative cooler and thence in contact with the confines of said attic space in order to lessen the heat load on the enclosure by dropping the temperature gradient through the ceiling of the enclosure, an air inlet to said attic space in the region from which air is drawn into said evaporative cooler, and an air outlet from said attic space into the enclosure in the region into which air is discharged from said evaporative cooler, said inlet and outlet from said attic space permitting continuous replacement of part of the air in said attic space with fresh air in order to prevent saturation of the air in said attic space.

2,295,984
VACUUM CLEANER
Burgess C. Wilson, Oneonta, N. Y.
Application February 17, 1941, Serial No. 379,301
1 Claim. (Cl. 183—67)

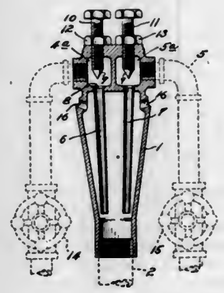


A vacuum cleaner including a cylindrical dirt container open at the top, a cylindrical casing open at its ends of smaller diameter than the container, a motor fan unit housing diametrically smaller than the casing and open at the bottom, the container, casing and housing being arranged one above the other in the order named in axial alignment, a sealing ring supporting the casing on the container, a sealing ring supporting the housing on the casing, both sealing rings being similar and each having a downwardly facing outer groove and an upwardly facing groove inwardly of the outer groove, the outer grooves of the sealing rings receiving upper rolled edges formed on the container and casing, gaskets disposed between said edges and the top walls of the outer grooves, an elbow extending through the sealing ring applied to the container provided with means for attaching appliances thereto, a bonnet type baffle attached at the inner opening of said elbow and directed laterally outwardly and downwardly within the container to break the force of the indrawn dirt laden air and divert it in the direction of the natural swirl created in the container, an inverted dust bag, an inextensible collar having a pressed in channel receiving the mouth of the bag, a tie cord clamping the mouth of the bag in the channel to hold the bag open, a gasket secured to the collar and received in the inner groove of the sealing ring attached to the container, a clamp ring secured within the lower end of the casing bearing upon the last named gasket, a clamp ring formed integral with the bottom of the housing provided with a groove registering with the upwardly facing groove on the sealing ring applied to the top of the casing, a gasket in said coacting grooves, and a motor fan unit within the housing creating an updraft to extend the dust bag upwardly into the casing, the dust bag collapsing downwardly into the container when the vacuum cleaner is not in use.

2,295,985
RUBBER ANTIOXIDANTS
William Baird and Maldwyn Jones, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 29, 1940, Serial No. 316,226. In Great Britain February 27, 1939
3 Claims. (Cl. 260—619)

1. Bis-(2-hydroxy-3:5-dimethylphenyl) alkylmethane in which the alkyl radical has not more than 6 carbon atoms.

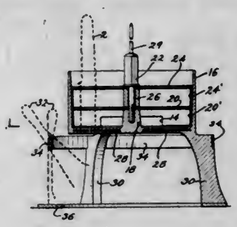
2,295,986
VACUUM BREAKER FOR WATER SYSTEMS
Edward W. N. Boosey, Detroit, Mich.
Application July 6, 1940, Serial No. 344,284
2 Claims. (Cl. 137—69)



1. A vacuum breaker for the purpose described comprising a body having a pair of upper chambers side by side and a lower chamber separated therefrom by an integral transverse wall, the upper chambers each being adapted for independent connection with a liquid supply conduit of a water system and the lower chamber being adapted for connection at its lower end to a discharge conduit and having an opening to atmosphere above the lower end, the transverse wall having an aperture for each upper chamber, a tubular member supported in each of said apertures and open at its upper end to the respective upper chamber and extending into the lower chamber to a point below the opening therein to atmosphere and a valve in each upper chamber manually adjustable toward or from the end of the respective tubular member thereby adapting the device for use in water systems subject to different head pressures.

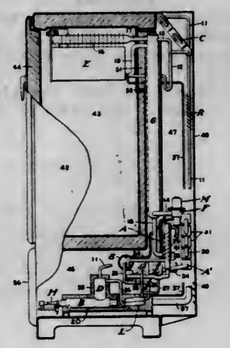
2,295,987
HAIRPIN AND CLIP HOLDER
Moses Boxer, San Francisco, Calif.
Application June 10, 1941, Serial No. 397,379
12 Claims. (Cl. 132—1)

12. A receptacle for hairpins, "bobbie" pins, hair curling clips, and other hairdressing and other appliances, comprising a support, a plurality of spaced wire mesh screens in said support adapted to receive and hold double-spaced-prong hairpins, a long relatively wide thin bar on said support adapted to receive, hold and spread double-resiliently-contacting-pronged "bobbie" pins, and a long upwardly extending narrow thin rod on said support adapted to receive and hold apertured devices such as grille-topped hair-curling



clips; whereby the several hairdressing appliances aforecited are held in segregated juxtaposition.

2,295,988
REFRIGERATION
George A. Brace, Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 24, 1939, Serial No. 269,673
32 Claims. (Cl. 62—119.5)

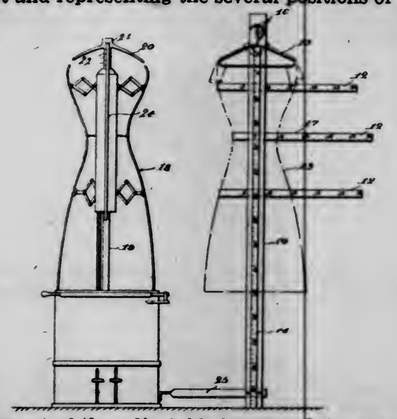


1. Absorption refrigerating apparatus of the three-fluid type embodying an evaporator, a condenser, an absorber, and a boiler connected in circuit, a cabinet having an insulated storage compartment, a lower mechanism compartment and a vertically extending side air flue, said apparatus being characterized by an air-cooled absorber section in said flue, means for supplying absorption solution thereto and means for propelling a mixture of inert gas and refrigerant vapor to be absorbed through said absorber section under conditions such that the absorption solution is propelled through said section by the inert gas refrigerant vapor mixture.

2,295,989
GARMENT MEASURING AND SHAPER-DRIER APPARATUS FOR DRY CLEANERS
John R. Fitzgerald, Harlingen, Tex.
Application November 18, 1940, Serial No. 366,161
2 Claims. (Cl. 33—2)

1. A garment measuring apparatus for a garment shaper-drier having a garment hanger adjustable vertically with relation to the waistline portion thereof comprising a vertical post, a waistline measuring stick supported transversely on the intermediate portion of the post, the said stick being adjustable transversely on the post, and a plurality of vertically spaced suspending

elements mounted on the upper portion of the post and representing the several positions of adjustment of the adjustable hanger of the shaper-drier.



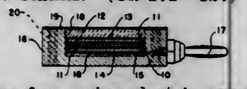
2,295,990

PIEZOELECTRIC CRYSTAL HOLDER

Edward N. Fridgen, Harrisburg, Pa., assignor, by mesne assignments, to Alvie Briton Hendricks, Mill Hall, Pa.

Application October 13, 1941, Serial No. 414,709

6 Claims. (Cl. 171—327)



1. A holder for a piezoelectric crystal resonator, comprising a holder, a crystal element spaced between a pair of electrodes and connectors on the electrodes, said crystal and the electrodes being hermetically sealed together, and secured in a fixed position in the holder.

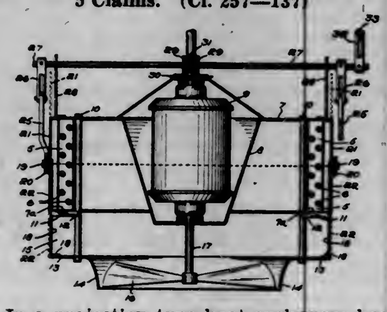
2,295,991

HEAT EXCHANGE APPARATUS

George R. Goldthwaite, South Easton, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.

Application September 14, 1940, Serial No. 356,787

5 Claims. (Cl. 257—137)



3. In a projection type heat exchanger having a fan, and a hollow heat exchanger arranged symmetrically about the axis thereof, means forming an air passage extending substantially perpendicular to said axis, through said exchanger, into said fan, means forming an air passage adjacent and extending substantially parallel to said passage, by-passing said exchanger, into said fan, slidably mounted damper means extending in lines transverse said passages, and means for moving said damper means for variably opening and closing said passages.

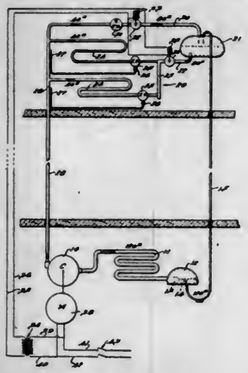
2,295,992

FLASH GAS CONTROL FOR REFRIGERATING SYSTEMS

Rafael A. Gonzalez and Everett T. Simonson, Dayton, Ohio, assignors to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application January 9, 1941, Serial No. 373,822

11 Claims. (Cl. 62—115)



1. A cooling system of the compressor-condenser-expander type, the system including an expansion device between the condenser and expander thereof for dividing the system into a high-pressure side including the condenser and a low-pressure side including the expander, and the system having particular utility in applications where the compressor and condenser are to be located remotely from the expander, comprising a liquid escape valve in the high-pressure side and located at the outlet of the condenser, a liquid receiver in the high-pressure side and located at the inlet to the expansion device with the inlet to the expansion device extending from the bottom of said liquid receiver, a gas by-pass extending from the top of said liquid receiver to the outlet of the expander, and a pressure reducing device in said gas by-pass for maintaining a high pressure in said liquid receiver while permitting gas to escape from said liquid receiver to the low-pressure side of the refrigerating system without going through the expander.

2,295,993

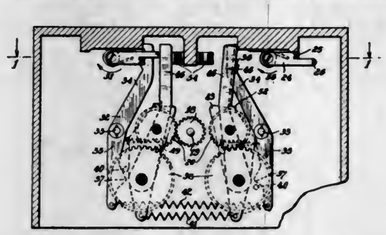
TIMING DEVICE

Gerhard G. Gruettner, New York, N. Y., assignor to Harry C. Tuttle, New York, N. Y.

Application July 10, 1941, Serial No. 401,809

16 Claims. (Cl. 161—1)

1. A timing device comprising a main driving shaft, a driving gear secured to said shaft, a driven gear, a coupling member carrying said driven gear and being tiltable between inoperative position with said driven gear out of mesh with said driving gear and operative position with said driven gear in mesh with said driving gear, means for turning and thereby adjusting the angular position of the driven gear when the coupling member carrying said gear is in inoperative position, a turnable operating member for tilting said coupling member into operative position, spring-like means tending to turn said operating member from operative tilting position into inoperative position out of engagement with said coupling member, means holding said coupling member in operative position in engagement with said operating member when tilted by said operating member into this operative position, and means for automatically disengaging



after a predetermined time interval said operating member from said coupling member, whereby said spring-like means are turning said operating member into inoperative position out of engagement with said coupling member and this member is tilted into inoperative position with the driven gear out of mesh with the driving gear.

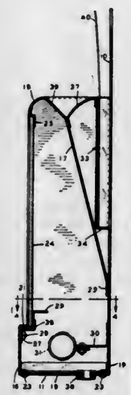
2,295,994

ILLUMINATED DISPLAY DEVICE

Paul J. Howe, Ridgewood, N. J., and Clement H. Wyss, Jr., Tuckahoe, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application July 10, 1940, Serial No. 344,716

5 Claims. (Cl. 40—132)



1. In a display device, a translucent panel forming the front side of said device, an opaque member spaced from and substantially parallel to said panel and forming the back side of said device, said member extending above the top of said panel, a partition extending obliquely from a point adjacent the upper edge of said panel to said opaque member, said partition being provided with a plurality of apertures adjacent the upper edge thereof and the panel-facing surface thereof being conditioned to reflect light, an upwardly opening pocket disposed between said partition and said opaque member to receive sheet material, and a source of light disposed between said panel and said partition adjacent the lower portions thereof.

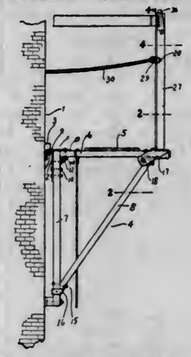
2,295,995

SAFETY SCAFFOLD

Clyde K. Lamb, Cleveland, Ohio, assignor to The Safety Scaffold Corporation, Cleveland, Ohio, a corporation of Ohio

Application April 17, 1940, Serial No. 330,133

17 Claims. (Cl. 304—14)



1. In a scaffold of the character described, a plurality of floor board supporting brackets adapted to be mounted upon a structure to be worked upon, posts extending upwardly from said brackets, guard rail sections connecting adjacent posts, each bracket being generally triangular in form and comprising an upright portion, a horizontally extending portion and an interconnecting brace, each of said posts adapted to be secured to a different of said brackets at its lower end adjacent an outer end of said horizontally extending portion of said bracket and means interposed between said brace portion and said horizontally extending portion forwardly of said post and of said post securing end of said horizontally extending portion, adapted to hold said brace and said horizontally extending portions securely against movement whereby said post and said horizontally extending portions are adapted to be engageably secured during use of the scaffold and the upper end of each post being adapted to engage guard rail sections.

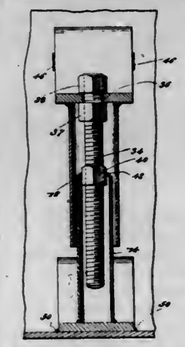
2,295,996

SPACE ADJUSTER

Lewis P. Lauffenburger, Bradford, Pa.

Application October 2, 1940, Serial No. 359,452

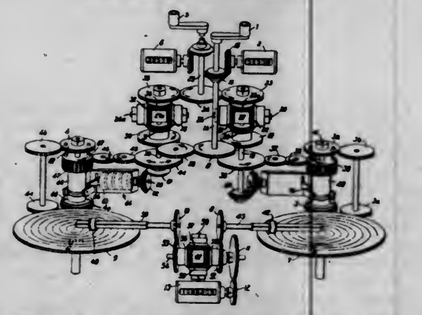
1 Claim. (Cl. 113—99)



A space adjuster for holding a pair of metal plates in position for being welded, comprising a pair of angle brackets adapted to be secured to the metal plates on opposite sides of the joint,

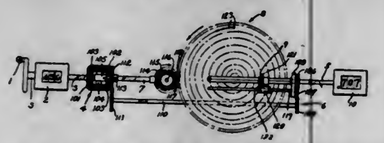
a tubular section secured to one of the angle brackets, a screw threaded shaft carried by the other angle bracket and being threaded in the tubular section and a second tubular section carried by the last mentioned bracket adapted to be telescoped over the first mentioned tubular section.

2,295,997
VARIABLE RATIO GEARING
William L. Maxson, South Orange, N. J., and Peter J. McLaren, New York, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States of America
Original application November 30, 1936, Serial No. 113,398, now Patent No. 2,194,477, dated March 26, 1940. Divided and this application May 29, 1939, Serial No. 276,280
3 Claims. (Cl. 74—424.5)



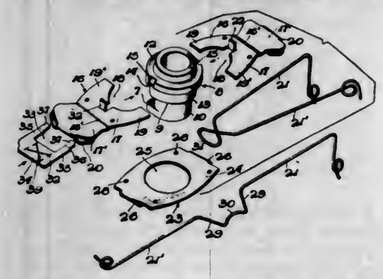
1. Variable ratio gearing comprising a flat input gear having the teeth thereof arranged in a spiral path, an output follower gear of uniform radius in mesh therewith, said spiral gear teeth arranged to produce a progressively changing output-input ratio between said gears, and means supporting the follower gear with its axis extending parallel to the plane of the spiral gear and disposed at one side of the axis of the spiral gear.

2,295,998
VARIABLE RATIO GEARING
William L. Maxson, West Orange, N. J., and Peter J. McLaren, New York, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States of America
Application December 26, 1940, Serial No. 371,740
12 Claims. (Cl. 74—1)



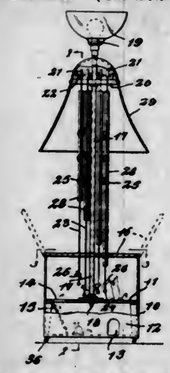
1. In a transmission device for continuously securing from a variable input, a prescribed output which is dependent in value upon the value of the input, but which bears a predetermined non-linear relation to the input, a spiral gear, gear input means for driving the gear, gear output means driven by the gear, a primary input member, means for combining with the input from the primary input member a predetermined linear function of the spiral gear output to provide a modified input, said combining means being connected to feed the modified input to the gear input means, and said spiral gear being constructed and arranged to produce the prescribed output from such modified input.

2,295,999
FLIER CONSTRUCTION
Michael J. McHale, Scranton, Pa.
Application July 1, 1941, Serial No. 400,668
14 Claims. (Cl. 57—116)



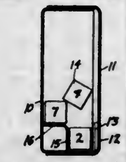
1. A flier for spinning machines and the like comprising, a centrally apertured body member having a base and head portions, a peripheral flier wire support receiving groove formed in the body member between the base and head portions, a flier wire support adapted to seat in said groove comprising complementary members having recessed body portions defining arms in the vicinity of the open end of the recessed portions, the opposite arms of the respective complementary members being adapted to abut when the recessed portions thereof are seated in the peripheral groove, the end portions of said complementary members being bent outwardly into a plane parallel to the plane of the abutting arms, forming a centrally depressed portion intermediate the ends of the flier wire support and means to securely clamp the complementary members to the flier body comprising a flat plate adapted to fit over the base of the flier body and seat in the depressed portion of the support member, portions of said plate being attached to the flier wire support.

2,296,000
ADVERTISING DEVICE, TOY, AND/OR MUSICAL CHIME
Edmond Ojalvo, New York, N. Y.
Application August 30, 1941, Serial No. 409,089
5 Claims. (Cl. 272—86)



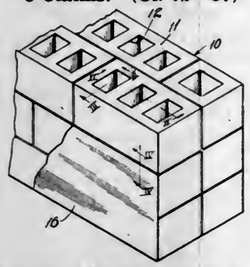
5. An animal-operated advertising device comprising a base having an upright standard, chimes carried by the standard, rocker arms carried by the standard, the ends of the rocker arms having a strand connected thereto, a weight member on each strand adapted to contact the chimes upon rocking movement of the rocker arms, and means to impart movement to the rocker arms.

2,296,001
AMUSEMENT DEVICE
Martin J. Slattery, Youngstown, Ohio
Application June 11, 1940, Serial No. 339,867
5 Claims. (Cl. 273—145)



4. A chance game device comprising in combination a casing adapted to loosely receive a plurality of dice cubes, the minimum dimension of said casing being substantially greater than the size of said dice, a plurality of dice in said casing, each of said dice having six equal faces with a numeral disposed centrally thereon, a window in one wall of said casing, means in said casing to direct certain but not all of said dice into adjacent positions in front of said window when said casing is oriented into a predetermined position, the arrangement of the parts being such that only one face of each of certain of said dice is visible through said window when said casing is so oriented.

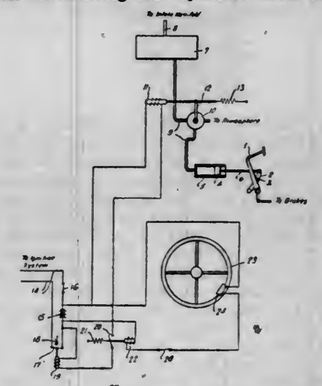
2,296,002
BUILDING CONSTRUCTION
Michael Tym, Chicago, Ill.
Application September 14, 1940, Serial No. 356,740
3 Claims. (Cl. 72—37)



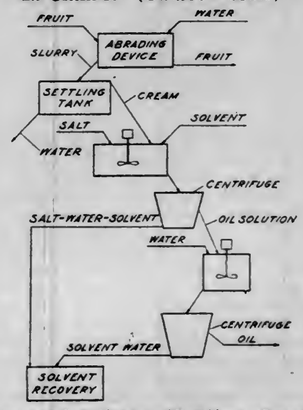
2. The method of constructing a wall having monolithic characteristics, which comprises the steps of coating and impregnating the surfaces of a plurality of blocks of relatively porous material with a synthetic stone medium in a plastic state, assembling the blocks to form a wall while said medium is still plastic, and smoothing the medium on the exposed surfaces of said blocks, said medium upon setting forming an intimate bond between the blocks and a uniform homogeneous wall surface.

2,296,003
AUTOMATIC VEHICLE CONTROL
Livinus Van Loo, Detroit, Mich., assignor of one-half to George E. Robinson, Detroit, Mich.
Application April 21, 1941, Serial No. 389,527
1 Claim. (Cl. 192—3)

A control system for a vehicle having a steering wheel, a suction manifold and a brake pedal, comprising a cylinder, a piston in said cylinder and connected to said brake pedal for moving said pedal in a direction to apply the brakes of the vehicle, means including a suction booster reservoir and a valve for connecting said cylinder with said suction manifold and with the atmosphere, electrically operated means for moving said valve to a position connecting said cylinder with said manifold, a spring for moving said valve to a position connecting said cylinder with the atmosphere, and a circuit for energizing said electrically operated means, said circuit having a control switch mounted on said steering wheel and adapted to be manually held in a position maintaining said electrically operated means de-energized, an ignition switch for the engine of said vehicle, a control switch in circuit with said ignition switch, and means in the first named circuit operative to open said last named switch thereby stopping said engine when the control switch on said steering wheel is opened.



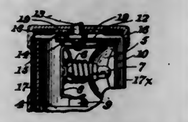
2,296,004
METHOD FOR THE RECOVERY OF ESSENTIAL OILS
William Carrington Platt, Ontario, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Application November 20, 1940, Serial No. 366,496
12 Claims. (Cl. 260—236.6)



8. A process for the purification of essential oil comprising dissolving the oil in a solvent which is at least partially miscible with water and sep-

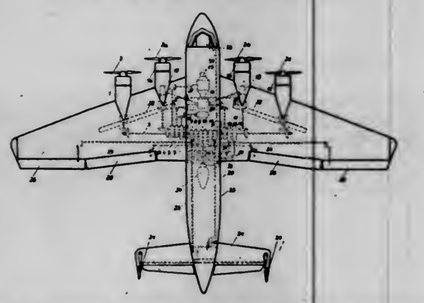
arating the oil from the solvent by addition of water to the solution to cause stratification into oil and water-solvent layers.

2,296,005
SIGNALING DEVICE
John H. Weiner, Canonsburg, Pa.
Application November 14, 1941, Serial No. 419,183
3 Claims. (Cl. 40—77)



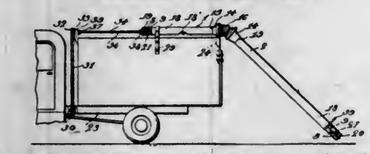
1. In a flash-light signaling device, a barrel having a window formed in the side wall thereof near its upper end, a lamp located behind the window, a rotatable cylindrical cap mounted over the upper end of the barrel and also provided with a plurality of windows having different colored lenses mounted therein and adapted to be rotatably brought in front of the aforementioned window in the barrel, an electrical contact means located on the under surface of the cap for each window in the cap and adapted to complete an electrical circuit through the batteries and the aforementioned lamp when a window in the cap is brought into registry with the window in the barrel, and means for holding the rotatable cap with the windows in a non-registering position.

2,296,006
DRIVING MEANS FOR MECHANISM FOR MULTIMOTORED AIRPLANES
Herbert Wagner, Berlin, Germany; vested in the Alien Property Custodian
Application February 23, 1940, Serial No. 320,404
In Germany November 28, 1938
4 Claims. (Cl. 244—53)



1. A driving means of the character described comprising a multi-motored airplane, a propeller shaft for each motor to be driven thereby through a means including overrunning clutch, a common shaft, overrunning clutches for driving the latter from each respective propeller shaft, a plurality of different mechanisms each to perform a separate function upon the airplane, a plurality of separate driving units one connected to each mechanism, means for disengageably coupling each driving unit with the common shaft for actuation thereby, and separate means for rendering individually inoperative the overrunning clutch between each propeller shaft and the common shaft whereby each propeller shaft may be directly driven by the common shaft in the event of failure of the motor associated with that propeller shaft.

2,296,007
GRAIN LOADER
Jacob Paul Weisenberger, Grayson, Saskatchewan, Canada
Application May 19, 1941, Serial No. 394,209
In Canada June 17, 1940
1 Claim. (Cl. 214—83)



A grain loading mechanism constructed for attachment to a grain-hauling truck consisting of a tubular conduit approximately one-half the length of the truck body and having a grain discharge opening intermediate its length, the conduit having a flared rear end, a second tubular conduit complemental to the flared end of the first conduit and similarly shaped, a concertina connection between the flared ends of the conduits, a conveyor screw in the first conduit having a shaft portion extended outwardly thereof for operative connection with a source of power, a conveyor screw in the second conduit and having a universal connection with the conveyor screw of the first conduit, said second named conduit having an opening at its free end for entry of grain therewithin, a pair of support brackets carried by the first conduit, one bracket being positioned at a point adjacent the connection between the two conduits and including leg members for attachment to the end gate of the truck body, the other bracket being connected to the conduit adjacent the opposite end and comprising oppositely extended arms having right angularly disposed members adapted to engage respective side walls of the truck body for securement thereto.

2,296,008
MATCH PACKET
Thomas R. Atkins, Cliftondale, Mass., assignor of forty per cent to Lawrie L. Witter, Boston, Mass.
Application September 13, 1939, Serial No. 294,638
7 Claims. (Cl. 206—29)

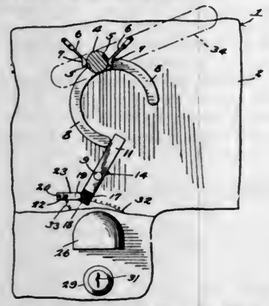


1. A match packet comprising strip material having one end looped onto itself to form a hood, the strip having an opening therethrough adjacent to said one end of the hood but short of said end whereby leaving a bar of the material extending across the strip between said one end and the opening, and a pack of matches attached to the strip at their base ends and extending therefrom over said bar and through the opening into the hood.

2,296,009
DOOR LIGHT SWITCH
Lowell R. Bader and Don C. Bader, Edison, Ohio
Application May 13, 1941, Serial No. 393,254
1 Claim. (Cl. 200—52)

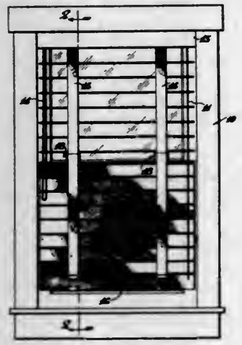
Switch mechanism comprising a support, a

shaft rotatable in the support, a handle on the shaft, oppositely-disposed arms carried by the shaft, and having free ends, between which there is a space, a fixed shaft mounted on the support and having circumferentially spaced seats, a lever fulcrumed intermediate its ends on the fixed shaft, one end portion of the lever extending into said space, said space being large enough to enable the first-specified shaft to be rotated without always actuating the lever, a spring-



actuated detent carried by the lever, a switch terminal mounted directly on the opposite end portion of the lever, a cooperating switch terminal fixedly mounted on the support, the detent being engageable with the seats, one at a time, to hold the switch terminal of the lever in and out of engagement with the terminal on the support, and spring means mounted on the support and engaging the first-specified shaft to maintain the free ends of both arms releasably spaced from said one end portion of the lever.

2,296,010
DEVICE FOR VENETIAN BLINDS
Harry G. Balthasar, Cincinnati, Ohio
Application December 2, 1940, Serial No. 368,165
2 Claims. (Cl. 156—17)



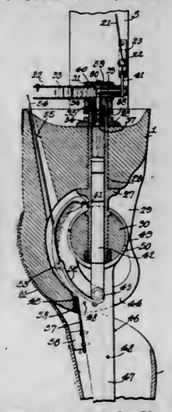
1. For use in a Venetian blind including the vertical supporting tapes of the blind providing cross-supporting tapes for slats supported upon said supporting tapes; a plate element adapted to be mounted on a vertical tape and having slots therein disposed along the upper and lower margins of the plate element crosswise of the tape, said slots open to the upper and lower edges of the plate element intermediate the ends of the slots and the inner edges of said slots and adjacent edges of the respective slots being straight and unobstructed, whereby the tape may be laced through the slots, the slots being of a length corresponding to the width of the tape, and whereby the plate element may be rolled upwardly along the tape and the tape again threaded through the then uppermost slot.

2,296,011
DEPOSITION FORM
Carl L. Beal, Cuyahoga Falls, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware
Application April 6, 1940, Serial No. 328,329
14 Claims. (Cl. 18—41)



14. A deposition form for use in manufacturing rubber nasal masks, said deposition form comprising a bulbous portion, two rod-like arms extending from spaced apart points on the bulbous portion and merging to form a ring-like structure, a stem portion projecting outwardly from the ring-like structure, a backing portion on the back of the bulbous portion so constructed and arranged as to provide open spaces between the backing portion and the two rod-like arms for an appreciable distance along the two arms, a hollowed out section between the rod-like arms on the bulbous portion forming a groove between the bulbous portion and the backing of the bulbous portion with the backing portion providing a vertical side of the groove and the groove being arranged as a continuation of the open space between the backing portion and the two rod-like arms, said deposition form comprising two elements separably joined at two points on the ring-like structure to form a unitary structure, one point being on one of the rod-like arms and the other point being on the other of the rod-like arms.

2,296,012
ARTIFICIAL LIMB
Carl E. Beck, San Francisco, Calif.
Application December 15, 1938, Serial No. 245,999
7 Claims. (Cl. 3—2)



1. An artificial limb including upper and lower members hingedly connected, a plunger mounted for reciprocation in one of the members, means carried by the other member for reciprocating the plunger when one member is swung relative

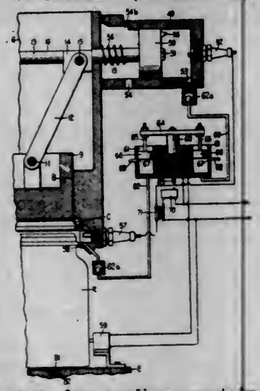
to the other, an incompressible fluid in the path of the plunger, a valve, and means controlled by the movement of the artificial limb relative to the body to which it is attached, for opening and closing the valve to release or to trap the fluid in the path of the plunger, said means including a stationary cam for attachment to the body of the wearer, a slide movable with the artificial limb relative to the cam, means on the slide for working engagement with the cam to move the slide toward or from the cam during the movement of the limb relative to the cam, and a valve shifting element connected to and actuated by the slide.

2,296,013

APPARATUS FOR SEALING CONTAINERS

William D. Bell, Columbus, Ohio, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware

Application September 20, 1940, Serial No. 357,586
26 Claims. (Cl. 226—82)



1. Apparatus for sealing containers having material therein which comprises sealing means actuated by a combustible mixture for sealing a closure on the container, means for delivering a combustible gas to the head-space of the container and to the sealing means so that it will mix with the air therein to form a combustible mixture, and means for igniting the mixture at the sealing means and at the head-space substantially simultaneously.

2,296,014

GRAIN TANK

George Benzel, Sr., George J. Benzel, and Jake Benzel, Jr., Walla Walla, Wash.

Application October 6, 1941, Serial No. 413,898
1 Claim. (Cl. 214—83)



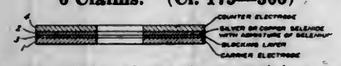
In combination with a truck including a body, a tank supported on the body for receiving grain and having an opening in its lower end, portions of the walls of the tank sloping downwardly and inwardly to the opening to make the tank self-cleaning, a conveyor connected to the rear wall of the tank and sloping upwardly and rearwardly and having an opening therein in communication with the opening of the tank, said conveyor including a tubular casing and an auger therein, means for rotating the auger by one of the take-off shafts of the truck, said casing having a discharge downspout adjacent its upper end, a second conveyor movably connected at one end to said downspout to swing around the same and including an auger and means for rotating the auger of the second conveyor from the first auger.

2,296,015

DRY PLATE RECTIFIER ELEMENT OR THE LIKE

Carl Bosch, Berlin, Germany, assignor to General Electric Company, a corporation of New York

Application March 22, 1940, Serial No. 325,465
In Germany December 14, 1938
6 Claims. (Cl. 175—366)



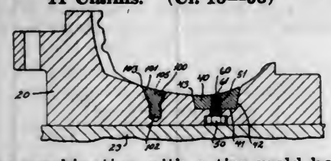
6. A dry plate element comprising a carrier electrode, a semi-conductor layer in contact with said electrode and formed of material of the group comprising silver selenide and copper selenide, each of said selenides having therein an admixture of selenium of between 20 per cent and 60 per cent and an admixture of the group of materials comprising iodine mercury and sulphur of between 0.5 per cent and 10 per cent, and a counter-electrode in contact with said layer.

2,296,016

TIRE MOLD

Henry C. Bostwick, Coventry Township, Summit County, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio

Application November 12, 1940, Serial No. 365,337
11 Claims. (Cl. 18—38)



6. The combination with a tire mold having a general cavity for the formation of a tire surface, a conical recess in said cavity having a screw threaded cylindrical extension from such conical recess, and a plug having a conical head with a threaded shank, said shank being adapted to occupy the threaded cylindrical extension of the mold while the plug's conical head occupies the conical recess, the top of the plug being formed on an incline to be flush with the surface of the mold cavity when the plug is tightly sealed, there being small openings in the top surface of the plug for the application of a tool to rotate it.

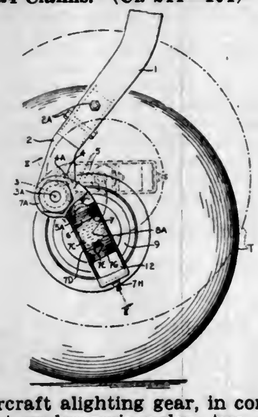
10. The combination of an automobile tire mold having a mold cavity with a recess, an insert in the form of a block occupying the recess, said block having a bore extending through it of two diameters, the outer portion of the bore being smaller than the inner portion, a cap screw having a head, said head occupying the larger bore of the insert with the shank extending through the smaller bore and threaded into the wall of the mold, the inner end of such screw having means for the application of a wrench, whereby the screw may be rotated by a tool within the mold cavity to install or to free the insert, and means for plugging the opening in the insert inwardly of the head of the screw, providing a top surface flush with the surrounding surface of the insert.

2,296,017

UNILATERALLY SUPPORTED RESILIENT WHEEL MOUNTING FOR AIRCRAFT UNDERCARRIAGES

Rowland Henry Bound and George Herbert Dowty, Cheltenham, England, assignors to Dowty Equipment Limited, a limited company

Application May 15, 1939, Serial No. 273,624
In Great Britain June 3, 1938
24 Claims. (Cl. 244—104)



13. In aircraft alighting gear, in combination, a dependent undercarriage leg, two arms projecting laterally from and pivotally mounted upon the leg at points spaced one above the other, both of the pivot mountings being formed as a pin rigid with the leg and extending generally horizontally, and transversely of the ground track, a wheel support carried outwardly of the pivot mounting on one of the arms by a distance materially in excess of the spacing between the two pivots, the axis of said wheel support being substantially parallel to said pins, shock-absorbing means interposed between and resisting upward swinging of the two arms, interconnecting their swinging ends and constraining them to conjoint swinging, the arms and the intervening portion of the leg thus constituting a deformable triangle of which the intervening portion of the leg is the shortest side, and said shock absorbing means comprising a fluid-filled cylinder and a working piston therein, disposed alongside a wheel upon said wheel support, a fluid chamber in communication with the compression end of the cylinder, and means to damp longitudinal movement of the working piston within its cylinder, arising from swinging of the arms under the influence of landing and taxying loads, the whole being organized and arranged to afford vertical wheel travel materially in excess of the relative longitudinal movement of the working piston within its cylinder.

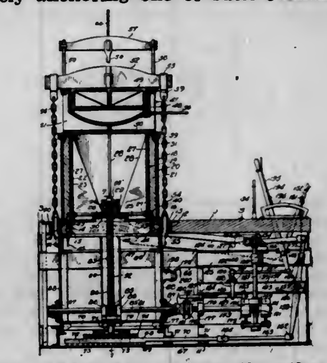
2,296,018

APPARATUS FOR MAKING CEMENTITIOUS ARTICLES

Edward D. Boyle, Valdosta, Ga.

Application March 30, 1939, Serial No. 265,035
23 Claims. (Cl. 25—30)

1. A molding apparatus comprising a mold formed of mold members adapted to receive a cementitious mix therein, said mold having a stationary pallet at one end and an axially movable pallet at the other end, a ram arranged adjacent said movable pallet and comprising a pair of relatively movable elements, means for positively anchoring one of such elements with



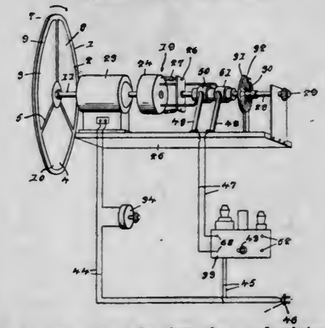
respect to said mold members, the other of said elements being arranged to positively transmit a force to said movable pallet to effect a sustained axial pressure thereon upon the introduction of fluid pressure into said ram, and means for subjecting said mold to an axial vibratory motion.

2,296,019

CHROMOSCOPIC ADAPTER FOR TELEVISION EQUIPMENT

Guillermo González Camarena, Mexico City, Mexico

Application August 14, 1941, Serial No. 406,876
In Mexico August 19, 1940
1 Claim. (Cl. 178—5.4)



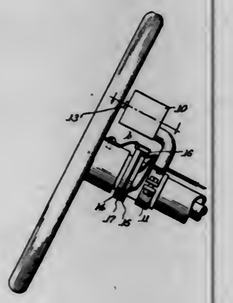
A chromoscopic adapter for television apparatus comprising light filters, a drive shaft, a support for said light filters fixedly connected with said support, said light filters being of different colors and rotating in a common path about the axis of said drive shaft, a relatively fixed base, a driving motor mounted on said base and connected with said drive shaft, a synchronous motor coupled to the armature of said driving motor to control the speed thereof, said synchronous motor comprising a rotor having three equally spaced wings connected as a unit and rotating relatively to two electromagnetic poles fixed to the shell of the synchronous motor, a controlling shaft rotatably mounted on said base and having resilient connections with the shell of the synchronous motor, the shell of the synchronous motor being free floating relatively to said base, and means for yieldingly latching said control shaft against accidental rotation.

2,296,020
LOCK
Mark Carter, Los Angeles, Calif.
Application May 6, 1939, Serial No. 272,227
1 Claim. (Cl. 292—139)



In combination an elongated housing, a bolt reciprocable in an end portion of said housing, a link secured to said bolt, a crank pivotally mounted in said housing adapted to reciprocate said link, and a coiled spring disposed between a side wall of said housing and said link and cooperable with said crank to provide a deadlock for said bolt, said link having a pair of guide notches for said spring.

2,296,021
AUTOMOBILE SIGNAL LIGHT SWITCH
Elmer V. Chapman, Tinley Park, Ill.
Application December 2, 1940, Serial No. 368,258
1 Claim. (Cl. 200—59)



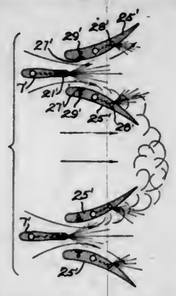
In a directional signal system for a vehicle having a tubular steering column and a wheel carrying steering shaft extended through the said column, an automatic switch means comprising a sleeve of insulating material secured on the steering column adjacent the steering wheel, a radially extending annular flange formed on the said sleeve, a continuous ring member of conducting material fitted to encircle the said sleeve and secured with one side thereof against a side of the said flange, a complementary ring member in the form of a nearly annular interrupted member of conducting material fitted about the sleeve and secured against the opposite side of the flange thereof, a segmental contact of arcuate formation fitted in annular concentric relation in the gap of the interrupted ring and insulated from the latter whereby the peripheral edges of the continuous and interrupted rings will be disposed in transversely spaced insulated relation and of corresponding diameter, a contact brush extended transversely of the peripheral edges of the said rings and making wiping contact therewith to form a bridging conductor, and a member connecting the said contact brush with the steering wheel for rotating the brush about the complementary contact rings upon turning the said steering wheel.

2,296,022
MONOGRAM ATTACHMENT
Michael Chernow, New York, N. Y.
Application May 16, 1939, Serial No. 273,884
3 Claims. (Cl. 40—140)



2. An initial plate for a wallet or the like, comprising a generally rectangular frame having flanges extending inward therefrom, said flanges being interrupted to afford positioning notches completely therethrough for the tops and bottoms of initial units, and to afford predetermined spaces between successive units to be accommodated in the frame, initial units each having prongs protruding from the upper and lower ends thereof, fitted into and extending through corresponding such notches, said prongs being outturned under and against the lower face of the frame, the bottom of the frame being countersunk to afford a supporting rim and to accommodate the thickness of the prongs of the respective initial units within said rim.

2,296,023
BURNER
Frederick Dallenbach, Inglewood, and John K. Northrop, Los Angeles, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application March 3, 1941, Serial No. 381,522
18 Claims. (Cl. 60—46)

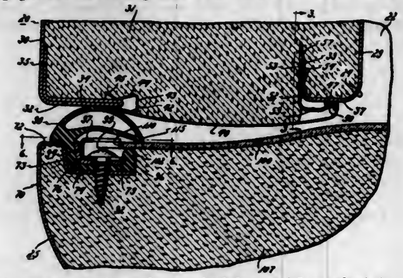


1. A burner comprising a substantially unobstructed duct and means for causing an airflow therethrough in a substantially constant general direction, a nozzle for injecting a spray of fuel into said airflow in its general direction of motion and a vane positioned on each side of said airflow, said vanes having facing surfaces positioned on each side of said airflow at a substantially critical aerodynamic stalling angle of attack thereto, to produce turbulence in said airflow between said surfaces without substantial baffling thereof.

2,296,024
REFRIGERATING APPARATUS
Earl D. Drake, Grand Rapids, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application July 18, 1941, Serial No. 402,901
5 Claims. (Cl. 20—35)

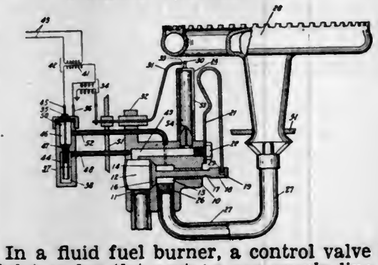
3. A cabinet door comprising material arranged to form the front and side walls, a gasket having

a pocket carried by said material and an insulating panel forming the rear wall of said door and



being secured and carried by said gasket in said pocket.

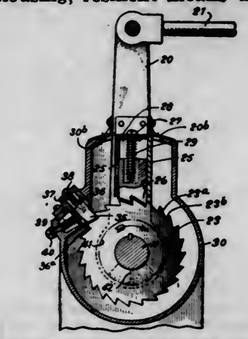
2,296,025
IGNITION AND CONTROL MEANS FOR FUEL BURNERS
John C. English, Cedar Rapids, Iowa, assignor to Johnson Gas Appliance Company, Cedar Rapids, Iowa, a corporation of Delaware
Application June 28, 1939, Serial No. 281,549
2 Claims. (Cl. 158—117.1)



2. In a fluid fuel burner, a control valve having inlet and outlet ports, a gas supply line connected to the inlet port, a main burner connected to the outlet port, a pilot burner thermal control means activated by heat from the pilot burner for operating the control valve, electric ignition means for the pilot burner, a differential pressure switch connected with the intake port and with the outlet port whereby an increase in pressure differential between fuel in the intake and outlet ports will close the switch to energize the electric ignition means and whereby a decrease in the pressure differential will open the switch and de-energize the ignition means said pilot burner being in direct communication with said supply line to receive gas continuously therefrom as long as gas is supplied to said gas supply line regardless of the position of said ignition means.

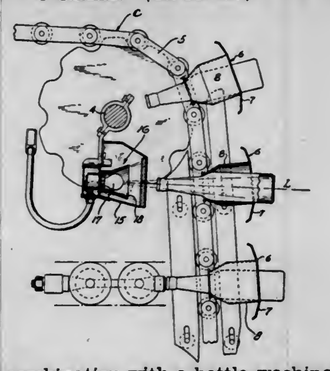
2,296,026
BRAKE MECHANISM
Leon T. Freeman, Scranton, Pa., assignor to Chester H. Shively, Fremont, Ohio
Application October 9, 1941, Serial No. 414,229
4 Claims. (Cl. 188—79.5)

1. Brake operating mechanism, comprising in combination, a cam operating shaft, a ratchet gear secured on said shaft, an operating arm mounted on said shaft at said ratchet gear, said arm being bifurcated to straddle the ratchet gear, a fixed housing enclosing said ratchet gear and the inner end of said arm and provided with an operating opening for said arm for actuation from the outside of the housing, guides secured between the sides of said arm beyond the ratchet gear, a slidable pawl mounted between the guides, a removable plate above the ends of said guides, resilient means between the plate and pawl pressing the pawl toward said ratchet gear, an adjustment pawl slidably mounted in a radial recess in said housing, resilient means urging the ad-



justment pawl toward the gear, means for permitting and limiting rearward circumferential movement of said adjustment pawl, and resilient means urging the adjustment pawl in a forward circumferential direction against a stop means in its guide recess.

2,296,027
BOTTLE INSPECTION ATTACHMENT FOR BOTTLE-WASHING MACHINES
Fredrick Gettelman, Wauwatosa, Wis., assignor to Michael Yundt, Waukesha, Wis., a corporation of Wisconsin
Application February 12, 1940, Serial No. 318,449
3 Claims. (Cl. 88—14)

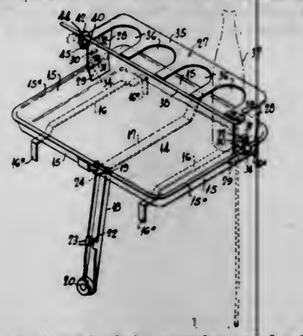


3. The combination with a bottle-washing machine having a bottle carrier advanced with a step-by-step motion and provided with individual bottle holders of open-end construction in which the bottle is received with its mouth exposed, of means comprising a light projector positioned to project a beam of light through the mouth of the bottle substantially parallel with its central longitudinal axis as it comes to a temporary standstill.

2,296,028
SERVING TRAY
Egbert Gribble, Charlotte, N. C.
Application June 4, 1941, Serial No. 396,551
2 Claims. (Cl. 211—88)

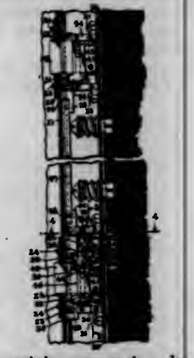
1. In combination, a tray for supporting containers such as bottles and the like, an inverted

U-shaped plate supported by said tray, said plate having a plurality of notches cut in the edge thereof for partially encircling the containers to prevent lateral movement thereof, a rod pivoted



at one end of said plate member and adapted to normally abridge the open sides of said notches and means disposed at the other end of said plate for releasably latching the free end of said rod in abridging position.

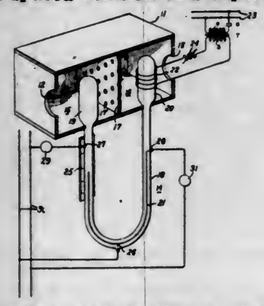
2,296,029
LOCK
Carl J. Hagstrom, Glen Cove, N. Y., assignor to Austral Sales Corporation, New York, N. Y., a corporation of New York
Application August 2, 1940, Serial No. 349,733
21 Claims. (Cl. 70—120)



1. A lock comprising a casing having an edge wall with an opening therein, a bolt within the casing and movable therein so that it may be extended from and withdrawn into the casing through the opening, means pivoted adjacent to and engaging the bolt to operate the same, sliding means within the casing and engaging one side of the bolt to support the same, means connecting the pivoted means and the sliding means to pivot the former upon the sliding movement of the latter, a second pivoted means operatively connected with the sliding means to actuate the latter, and key operating means associated with the second pivoted means to pivot the same and move the bolt as aforesaid.

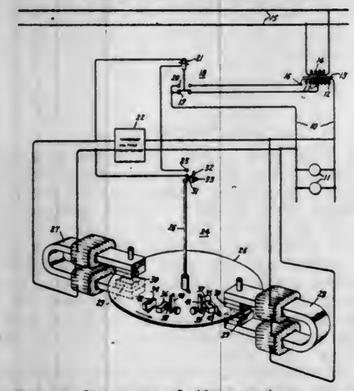
2,296,030
GAS ANALYSIS APPARATUS
Chester I. Hall, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 9, 1940, Serial No. 318,104
6 Claims. (Cl. 73—51)

1. In gas analysis apparatus, a chamber adapted to contain a gas having a known constituent the percentage purity of which is to be investigated, a plurality of devices positioned in said chamber in spaced relation and exposed to said



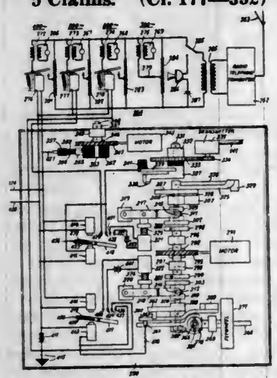
gas, said devices each having a characteristic which is variable in accordance with changes in temperature, means for applying heat to one only of said devices, and means responsive to temperature variations in said devices.

2,296,031
VOLTAGE REGULATING APPARATUS
Chester I. Hall, Rexford, N. Y., assignor to General Electric Company, a corporation of New York
Application May 7, 1941, Serial No. 392,301
6 Claims. (Cl. 171—119)



1. In a voltage regulating system, an alternating current load circuit, means for controlling the voltage of said circuit, an induction motive device for controlling said first mentioned means comprising a conducting member rotatable in one direction to a voltage increasing position and in the opposite direction to a voltage decreasing position, a pair of shaded pole electromagnets associated with said conducting member for producing torques tending to rotate said member in opposite directions, means for energizing one of said electromagnets from said circuit so that it produces a substantially constant torque, means for energizing the other of said electromagnets from said circuit so that it produces a torque variable in accordance with the voltage of said circuit, the opposing torques produced by said electromagnets being equal when the voltage of said circuit is at a predetermined value to be maintained but becoming unbalanced upon a deviation of said voltage from said value to cause rotation of said member either to the voltage increasing or the voltage decreasing position depending on the direction of said deviation, means for biasing said conducting member in both the voltage increasing and voltage decreasing positions and means for adjusting said biasing means whereby to vary the amount of unbalance torque required to move said conducting member from one to the other of said positions.

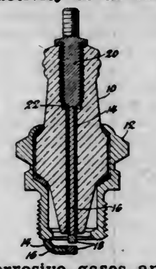
2,296,032
NAVIGATIONAL POSITION INDICATOR
John Hays Hammond, Jr., Gloucester, Mass., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 23, 1938, Serial No. 191,898
5 Claims. (Cl. 177—352)



1. In a navigational guide system, a craft, means on the craft for transmitting signals indicative of the heading of said craft with respect to a predetermined compass point comprising, a transmission system adapted to transmit a plurality of different frequencies, means for periodically transmitting for a short interval of time one of said frequencies, a rotatable element adapted to be rotated from a position of rest against a returning force, the position of rest of said element representing the heading of the craft, a rotatable compass element adapted to be maintained in a position corresponding to a known fixed compass point, said element being mounted in the path of said first named element and arranged so that the two elements contact each other when their directions coincide, means acting to apply a displacing force upon said rotatable element to drive the same at a predetermined speed from its position of rest toward the position of the compass element, means acting upon contact of said elements for causing the transmission of an impulse of energy of a different frequency and for removing the force applied to said rotatable element whereby the rotatable element is returned to its position of rest.

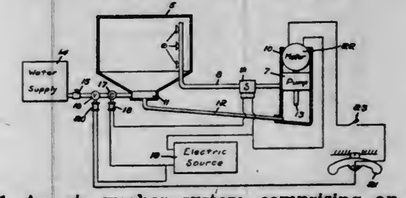
2,296,033
SPARK PLUG
Walter F. Heller, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 18, 1941, Serial No. 375,002
9 Claims. (Cl. 123—169)

1. A spark plug comprising an insulator having a passage therein, an electrode in said passage comprising a tubular sheath having its exposed end closed, said sheath being made of corrosion-resistant metal and filled with metal of high heat conductivity, and means for securing and sealing the electrode in the insulator, said sealing means enveloping the open end of the sheath and the exposed portion of the metal of high heat conductivity so as to protect it from



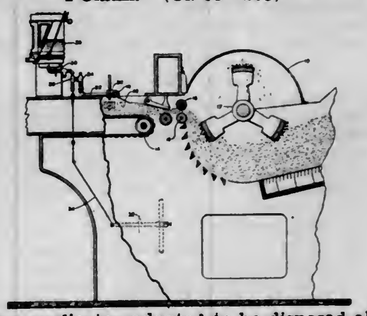
contact with corrosive gases and conduct heat away from the electrode.

2,296,034
AIR WASHER SYSTEM
Harold Hemming, Dedham, and Charles W. Peterson, West Roxbury, Mass., assignors to B. F. Sturtevant Company, Hyde Park, Boston, Mass.
Application July 15, 1940, Serial No. 345,484
2 Claims. (Cl. 261—72)



1. An air washer system comprising an air washer having spray nozzles and a sump, means including piping and a pump for recirculating water from said sump through said nozzles, a make-up water tank, means including a valve connecting said tank and said sump, and means including pressure responsive means in said piping between said pump and said nozzles for opening said valve for admitting water from said tank to said sump when the water pressure in said piping falls below a predetermined point.

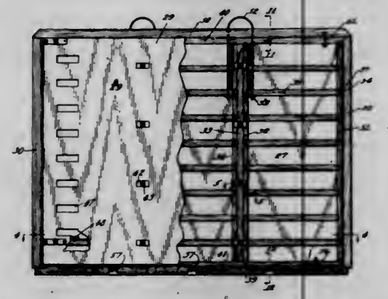
2,296,035
DYE APPLICATOR
Arthur G. Hill, Spartanburg, S. C., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application July 31, 1940, Serial No. 348,727
1 Claim. (Cl. 68—205)



A dye applicator adapted to be disposed above a moving conveyor of fibrous material and comprising a tubular member formed with a longi-

tudinally disposed groove in the outer wall thereof and a plurality of holes connecting the base of said groove with the inside of the tubular member, wicking disposed throughout the length of said groove, a resilient wiper secured to said tubular member in tangential relation thereto at a point below the level of the holes therein and adapted to make wiping contact with the fibrous material on the conveyor, a reservoir from which dye flows by gravity at a predetermined and constant hydrostatic pressure to the tubular member, and means for regulating the flow of the dye to said tubular member.

2,296,036
CONCRETE FORM PANEL
Erwin A. Horn, Seattle, Wash., assignor, by mesne assignments, to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington
Application May 22, 1940, Serial No. 336,640
5 Claims. (Cl. 25—131)

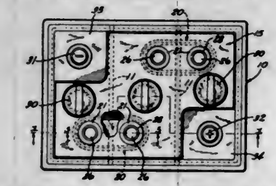


1. In a concrete form, a unitary panel structure comprising a smooth, continuous, plywood sheet adapted to contact the concrete and to receive pressure therefrom, and a wooden supporting frame behind said sheet including stud members and waler members adhesively secured to the rear face of the sheet, the ends of the studs being disposed on rearwardly facing inclined planes and being secured in abutting relation upon similar, oppositely inclined surfaces carried by the walers, and means secured to the walers to prevent relative separation thereof.

2,296,037
CUTTING OIL
Gus Kaufman, Beacon, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application March 14, 1939, Serial No. 261,771
1 Claim. (Cl. 252—45)

A transparent cutting oil of good color consisting essentially of a pale mineral lubricating oil initially containing about 1.5–3.5% of naturally-occurring sulfur and sulfurized by heating with sulfur in the absence of added fatty oil under temperatures of about 300–340° F. and at substantially atmospheric pressure to produce a loosely combined sulfur content providing an overall sulfur content in excess of about 2.3% and less than about 5.0%, and stabilized with about 1–3% of an extreme pressure material selected from the group consisting of chlorinated diphenyl, chlorinated fats, chlorinated fatty oils, chlorinated wax, sulfurized diphenyl, and aryl, alkyl and aralkyl esters of acids of phosphorus.

2,296,038
BATTERY COVER
Carl H. King, Milwaukee, Wis., assignor to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Original application November 22, 1937, Serial No. 175,870, now Patent No. 2,222,412, dated November 19, 1940. Divided and this application November 10, 1939, Serial No. 303,787
1 Claim. (Cl. 136—170)



A storage battery comprising a case internally partitioned to provide a plurality of cells, a single, pre-moulded cover for said cells fitted within the upper end of said case, said cover having a diagonally extending portion raised above the top of said case, cell connectors having openings at each end embedded in said raised portion with a small portion immediately surrounding the openings therein exposed and projecting above said raised portion, plate posts having their upper end portions fitted within the openings of said connectors and burned thereto, said cover having the corners thereof opposite said raised portion depressed and substantially level with the top of said case, openings in said corners, and terminal posts projecting up through said openings.

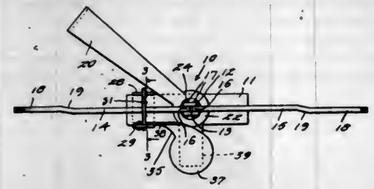
2,296,039
REFINING NAPHTHENIC ACIDS
Edwin C. Knowles and Frederic C. McCoy, Beacon, N. Y., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application January 29, 1941, Serial No. 376,476
7 Claims. (Cl. 260—514)

1. The method of treating crude naphthenic acids which comprises dissolving said crude naphthenic acids in a solvent comprising at least one liquid hydrocarbon of the class consisting of liquid propane and other liquified normally gaseous hydrocarbons, heating the resulting solution to a temperature at which said solvent has a precipitating action substantially equivalent to that of liquid propane at about 165° F., to effect two-phase separation of said solution into two fractions, each of said fractions containing naphthenic acids and one of said fractions containing naphthenic acids of higher molecular weight than the naphthenic acids in the other fraction, and recovering the two fractions thus separated.

2,296,040
TRAP
George R. Lahue, Lemont Furnace, Pa.
Application October 9, 1941, Serial No. 414,343
7 Claims. (Cl. 43—90)

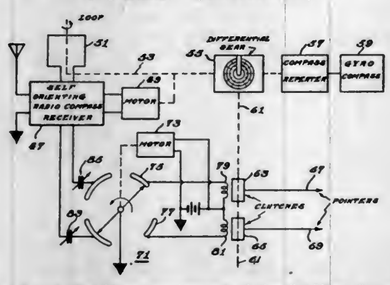
1. A trap comprising a base member, jaws pivotally connected thereto and arranged to swing upwardly to a closed position, spring means disposed to engage and urge the jaws upwardly, a detent pivotally connected to the base at one end of the detent, an ear extending upwardly from the base and having a notch to receive and engage the free end of the detent, said detent being

arranged over one of the jaws for holding the spring means retracted, a trigger pivotally connected to the ear and provided with a pan at its



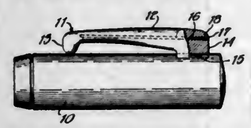
free end, and said trigger having an arm arranged to engage the last mentioned end of the detent for moving it out of engagement with the notch, when the pan is depressed, to release the trap.

2,296,041
NAVIGATION INSTRUMENT
David G. C. Luck, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1939, Serial No. 253,892
5 Claims. (Cl. 250—11)



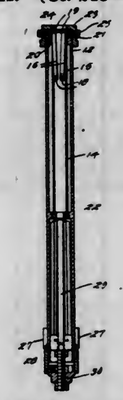
1. A navigation instrument including in combination a self-orienting radio compass, means for alternately tuning said radio compass to the waves from a pair of radio stations, means for indicating the alternate orientations of said radio compass, an earth compass, means for combining the alternate indications of said radio compass orientation with said earth compass indication, and means responsive in synchronism with said alternate tuning means to indicate a pair of bearings with respect to a meridian line.

2,296,042
PLASTIC CLIP
Clinton E. Marshall, Bronx, N. Y.
Application November 14, 1941, Serial No. 419,075
6 Claims. (Cl. 24—11)



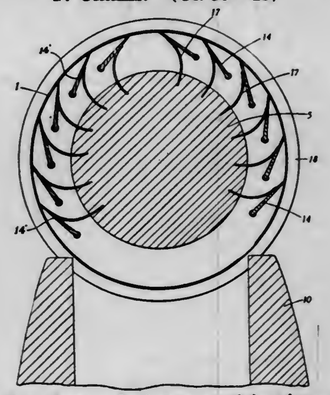
1. A clip of the class described comprising an elongated body of thermoplastic material, said body having a clamping end, the other mounting end of said body having a concaved surface conforming to the curvature of a support to which the clip is secured, a passage extending longitudinally of said body, a resilient member arranged in said passage, said passage opening through one end of said body, and means sealing the open end of said passage.

2,296,043
SUPPORTING STAND
Dillon R. McClary, Lynchburg, S. C.
Application August 28, 1941, Serial No. 408,679
5 Claims. (Cl. 248—188)



1. A supporting stand comprising a tubular member, an elongated rod removably mounted in one end of the tubular member and provided with a threaded end, a collar having a threaded bore connected to said threaded end, legs pivotally connected to the collar, said end of the tubular member being provided with longitudinally-extending slots opening outwardly of the end thereof for receiving said legs, said slotted end being externally threaded, and a cap screw turnably mounted on said rod for engaging the threaded end of the tubular member for retaining the legs in extended positions.

2,296,044
DRY SHAVING DEVICE
Ernest Charles McClure, Wahroonga, New South Wales, Australia, assignor to Ever-Ready Razor Products Ltd., The Hyde, London, England
Application April 7, 1939, Serial No. 266,447
In Great Britain January 5, 1939
17 Claims. (Cl. 30—43)



8. A dry shaver device comprising in combination a frame, a hollow cylinder freely rotatable on said frame, the walls of said cylinder being thin and provided with small perforations, a plurality of cutting blades pivotally carried by said frame, spring means cooperating with each blade to hold its cutting edge in contact with the inner surface of said cylinder, the cutting edges of the

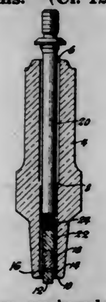
blades being spaced apart over a portion of said inner surface whereby upon rotation of the cylinder by traction as it is moved over the face relatively to the cutting edges the cutting edges will shear hairs admitted through the perforations in the cylinder.

2,296,045

SPARK PLUG ELECTRODE

Taine G. McDougal, Flint, Karl Schwartzwalder, Holly, and Robert W. Smith, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 29, 1941, Serial No. 412,746
11 Claims. (Cl. 123—169)



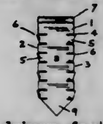
1. In a spark plug, an insulator having a longitudinal bore therethrough, a shoulder in said bore at the firing end of the insulator, an electrode in the firing end of the insulator bore, a collar on the electrode in engagement with said shoulder, a glass seal in said bore above the electrode, and a terminal in said bore above said glass seal and in contact therewith.

2,296,046

SHEET-STOCK AXIALLY DRIVEN PERMANENT FASTENER

Edwin A. Miller, New Haven, Conn.

Application July 14, 1941, Serial No. 402,285
4 Claims. (Cl. 85—11)



4. A permanent driven fastening means comprising a folded strip of sheet-metal providing a closely associated double thickness of a shank; resilient fins integrally formed within the side edges of both shank portions by means of cuts at intervals therein perpendicular to the said side edges and a portion of each alternate cut sections thereof so twisted outwardly from the plane of its shank portion that its base and one free corner remain in shank alignment; a cutting shoulder with which each fin is provided, said shoulders being the outwardly twisted corner portion of said alternate sections and extending beyond the inner wall-surface of a socket into which the fastening means is to be driven.

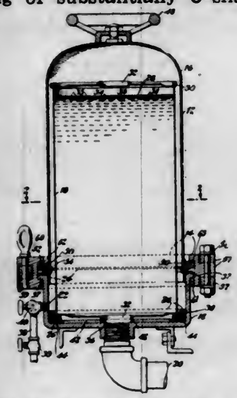
2,296,047

GREASE DISPENSING APPARATUS

John D. Morgan, South Orange, and Thomas Anderson, Elizabeth, N. J., assignors, by mesne assignments, to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

Application July 18, 1939, Serial No. 285,070
5 Claims. (Cl. 221—47.1)

1. A grease can unloading apparatus comprising a vertically disposed air cylinder having a removable lid and a base, an annular squared outwardly extending flange for the top rim of the base, an annular outwardly extending flange for the bottom rim of the lid adapted to seat on said base flange, said lid flange having an annular locking ring attached to its top rim, a split coupling ring of substantially C-shaped cross-



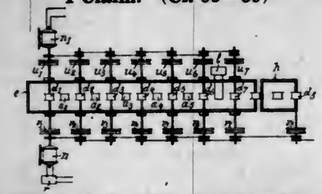
section having an annular groove in that portion of its concave inner surface which overhangs the locking ring and adapted to form with the locking ring a safety lock coupling for the base and lid flanges during periods of application of pressure to the air cylinder, and an annular gasket of substantially Y-shaped section mounted as a sealing element for the coupling.

2,296,048

METHOD OF PHOTOGRAPHIC DEVELOPMENT TO A PREDETERMINED VALUE OF CONTRAST

Leonti Planskoy, Paris, France, assignor of one-half to Process Development Corporation, New York, N. Y.

Application March 17, 1939, Serial No. 262,344
In Great Britain March 26, 1938
1 Claim. (Cl. 95—89)



An equipment for the photographic development of a film to a predetermined value of contrast (gamma) comprising a developing tank adapted to contain a developing solution, rotatable sprockets adapted to engage a film and to feed said film through said tank, driving means adapted to rotate said sprockets, auxiliary driving means adapted to be rotated in two opposite directions, frictionless magnetic drives inserted between said auxiliary driving means and said sprockets and adapted to transmit to said sprockets a driving torque in the direction of rotation of said auxiliary driving means so as to further or to oppose the action of said first main driving means, optical means adapted to project on two areas of said film while in the developing tank respectively two radiant beams, the difference between the logarithms of the intensities of said beams corresponding to the difference between

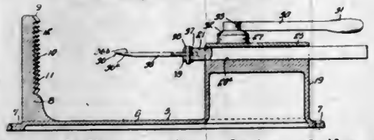
the densities to be obtained in said areas after a correct development, and a photometric relay disposed in the path of said radiant beams after their passage through said film areas and adapted to control said auxiliary driving means in order to speed up or slow down said driving means and said sprockets according as the value of gamma becomes higher or lower than said predetermined value.

2,296,049

OYSTER OPENING DEVICE

Frank Plate, Mineola, N. Y.

Application April 26, 1939, Serial No. 270,094
2 Claims. (Cl. 17—9)



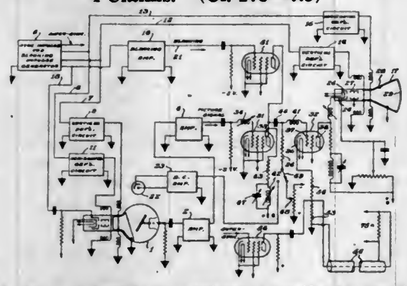
1. In a shell separating device of the class describing employing a reciprocating knife, a backing member arranged in spaced relation to and in alinement with the path of movement of said reciprocating knife, said member having a vertically disposed and cylindrically concave surface exposed to the path of movement of said knife, said concave surface having a multiplicity of transverse V-shaped grooves, the upper and lower walls of the V-shaped groove in alinement with the blade being disposed at substantially the same predetermined angle with respect to said vertically arranged surface, the lower walls of the grooves below said blade and the upper walls of the grooves above said blade being disposed at angles progressively greater than said predetermined angle, and the opposite walls in each case being disposed at angles progressively smaller than said predetermined angle thereby forming means for positively supporting a shell engaged by said blade in any angular position thereof with respect to said backing member.

2,296,050

TELEVISION CIRCUIT

Waldemar J. Poch, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 30, 1938, Serial No. 248,571
4 Claims. (Cl. 178—7.5)



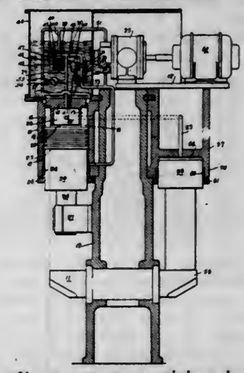
1. In a television receiver, a cathode ray tube having a control electrode and a cathode, an amplifier tube having an input circuit and having an output circuit which is direct current coupled to said control electrode and said cathode, said amplifier tube having a plurality of electrodes including a plate which is connected to said cathode and a control grid which is connected in said input circuit, means for applying a biasing potential to said control grid, means for applying picture signals from one signal channel to said input circuit, means for supplying negative blanking impulses from a different signal channel to one of said amplifier tube electrodes periodically with sufficient amplitude to block said amplifier tube periodically, and means for varying the biasing potential on said control grid.

2,296,051

BALANCING COLUMN FOR HORN PRESSES

Paul C. Pocock and Walter Ernst, Mount Gilead, Ohio, assignors to The Hydraulic Development Corp., Inc., Wilmington, Del., a corporation of Delaware

Application June 19, 1940, Serial No. 341,312
7 Claims. (Cl. 100—71)



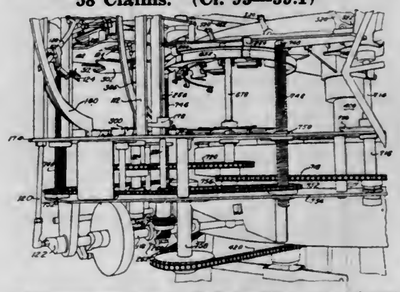
1. A hydraulic press, comprising in combination a press bed, a press head, supporting means interconnecting said press bed and said press head and supporting the latter, a hydraulically operable main cylinder-piston-assembly for shaping a work piece, a substantially stationary balancing cylinder-piston-assembly arranged on the other side of said supporting means, and means continuously establishing hydraulic communication between said main cylinder-piston-assembly and said balancing cylinder-piston-assembly for causing the latter to balance the bending forces acting upon said supporting means.

2,296,052

APPARATUS FOR THE PACKAGING OF MILK

Claude E. Pope, Oakland, Calif.

Application April 3, 1939, Serial No. 265,806
58 Claims. (Cl. 93—39.1)



1. Mechanism for fabricating a frustro-pyramidal container comprising means for receiving the sidewall portion of said container in collapsed state and the end portions in flat state,

means for expanding the sidewall portion and positioning the same with its larger end disposed upwardly, a rotary assembly mechanism disposed to receive said sidewall portion, means associated with said rotary mechanism and cooperative therewith to assemble and fit the larger endwall to the upwardly disposed end of said sidewall portion, a rotary integrating device for said assembled portions for receiving said portions in assembled relation with the larger end disposed upwardly, and means for transferring said assembled portions from said rotary mechanism to said integrating device.

2,296,053
SHUTDOWN DEVICE

Ernest Dewey Porter and Samuel Baron Lisle, Oklahoma City, Okla., assignors, by mesne assignments, of one-half to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware

Application February 13, 1941, Serial No. 378,758
9 Claims. (Cl. 200—52)

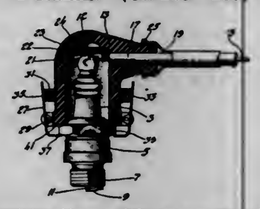


1. In a circuit controlling device for use on an oscillatable member, a tube having an opening in the wall thereof, contacts arranged around the periphery of the wall opening and adapted to be engaged in a circuit, and a switch member movable in said tube in response to oscillation thereof and adapted to move into the opening in response to irregularity of motion of said member to complete the circuit between the contacts.

2,296,054
SHIELD FOR SPARK PLUGS

Hector Rabezzana, Flint, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 20, 1929, Serial No. 372,438
4 Claims. (Cl. 123—169)



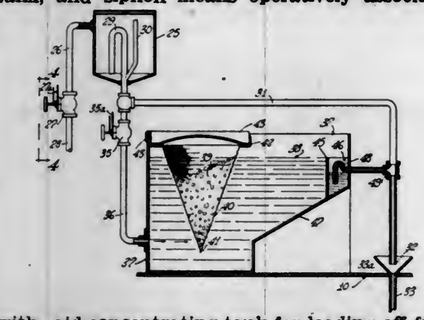
1. In combination with a spark plug, having a metal shell, an insulating cover for said plug, a metallic sheath encompassing said cover, and means structurally independent of the plug for engaging the same to thereby detachably hold said insulating cover thereupon, and to ground said metallic sheath upon the metal shell of the plug, so that the cover may be removed without disorganizing the plug.

2,296,055
WASHING FLUID INJECTOR

Harold B. Ray, Chicago, Ill.

Application March 18, 1940, Serial No. 324,569
6 Claims. (Cl. 299—84)

6. In an injecting device, the combination of a concentrating tank adapted to contain a solution, means containing a supply of solute in said solution to maintain a saturated condition therein, a siphon tank adapted for connection with a source of solvent supply and arranged to deliver solvent therefrom to said concentrating tank by siphon action when a predetermined volume of solvent is introduced into said siphon tank, and siphon means operatively associated

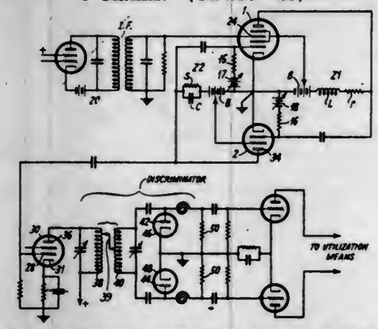


with said concentrating tank for leading off from the latter predetermined quantities of the concentrate responsive to certain changes in the liquid level in the concentrating tank effected by operation of the siphon means in said siphon tank, and means for mixing the concentrate led off as aforesaid with quantities of solvent from said source of supply, and means for adjusting the volumetric ratio between the amount of solvent and concentrate to be mixed as aforesaid.

2,296,056
FREQUENCY MODULATION RECEIVER

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 16, 1939, Serial No. 290,414
6 Claims. (Cl. 250—20)

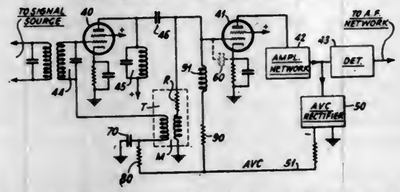


1. An oscillation generation system adapted to be controlled as to frequency over a range of frequencies by a control voltage of varying frequency comprising, a plurality of amplifier tube stages, coupling impedances connecting said tube stages in cascade and coupling the output of the last stage to the input of a preceding stage, and means for injecting said control voltage into said stages, the product of the coupling impedances in said stages being greater than the product of the reciprocals of the transconductances of the tubes as to its real part, while its imaginary part is small compared to its real part over a wide range of frequencies whereby said oscillation system has relatively poor frequency stability and will oscillate under control of said control voltage over a wide frequency deviation range thereof.

2,296,057
ELECTRONIC REACTANCE CIRCUITS

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 27, 1940, Serial No. 315,884
2 Claims. (Cl. 179—171)

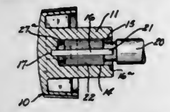


1. In a signal amplifier network having a tube with signal input and output electrodes, a tuned signal input circuit coupled to said input electrodes, means, responsive to signal amplitude variation, for varying the gain of said tube thereby to vary the magnitude of the capacity existing between the input electrodes and in shunt with the tuned circuit thereby causing detuning of the latter, a preceding signal amplifier circuit responsive to signal voltage across said tuned circuit for simulating a negative capacity effect in shunt with said first named capacity, and said signal-responsive means being connected to said preceding amplifier circuit for varying the value of the negative capacity in such a manner that said first capacity magnitude variation is compensated.

2,296,058
INTERCHANGEABLE KNOB SHAFT ASSEMBLY

Harry W. Rubinstein, Milwaukee, Wis., assignor to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware

Application June 14, 1941, Serial No. 398,037
5 Claims. (Cl. 287—53)



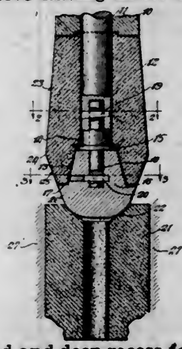
1. An operating device of the character described comprising a control knob having a socket provided on its inner peripheral wall with diametrically opposite, longitudinally extending keyways, and having its inner end wall provided with a transversely extending keyway connecting said diametrically opposite keyways, and a shaft of flat stock having a split end assembled with the knob with the peripheral edge portions of the sections on the opposite side of the split interfitted with the diametrically opposite keyways of the socket and with the inner ends interfitted with the transversely extending keyway.

2,296,059
STOPPER FOR METALLURGICAL LADLES

Frederick L. Sage, Chicago, Ill.

Application June 9, 1941, Serial No. 397,161
8 Claims. (Cl. 22—85)

1. In an inside bottom pouring ladle stopper having the usual central metal supporting and operating rod surrounded by the usual refractory tubular sleeves, a refractory bottom sleeve cooperating at the upper end with the sleeve above it and having an exterior in the form of a truncated cone throughout its greater length, the remainder of its length being inwardly sloped exteriorly at a sharp angle with the surface above and at a steeper slope, to prevent swirl of the molten metal and permit free flow thereof to the nozzle, said sleeve having in its expanded lower

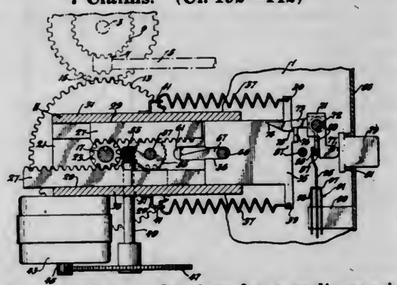


end an enlarged and deep recess for the reception of a correspondingly shaped head with its metallic connections to the rod above and a rounded projecting bottom for engagement by line contact with the nozzle seat.

2,296,060
TUNING DEVICE

Bertram A. Schwarz and James G. Funk, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 6, 1940, Serial No. 312,680
7 Claims. (Cl. 192—142)



1. In a tuning mechanism for a radio receiver comprising a tuning device capable of angular adjustment, indexing means for adjusting said tuning device to a predetermined angular position, actuating means for said indexing means, resilient means operatively connected to the actuating means, power-actuated means operatively connected to said actuating means to tension said resilient means and to control the rate of movement of said actuating means by said resilient means, and combined manual and automatic controls for starting operation of said power-actuated means to initially control the rate of movement of said actuating means by said resilient means and to finally stop operation of said power-actuated means after said actuating means has been moved by said power-actuated means to tension said relisient means.

2,296,061
TUNING MECHANISM

Bertram A. Schwarz and Ludwig Fichter, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 15, 1940, Serial No. 319,044
5 Claims. (Cl. 74—10)

1. In indexing mechanism for tuning means,

means rotatable about a pivot connected thereto, a plurality of reciprocable and rotatable rods at least a portion of each being threaded, threaded adjustable means mounted on each and adapted to engage the rotatable means at a portion of its travel, means for locking the rods at the in-



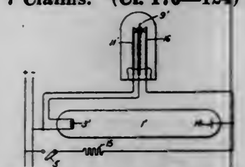
nermost position of travel at which position the adjustable means contacts the rotatable means whereby rotation of the rod will move the adjustable means and alter the position of the rotatable means and the associated tuning mechanism.

2,296,062

ELECTRIC DISCHARGE APPARATUS

William J. Scott, Rugby, England, assignor to General Electric Company, a corporation of New York

Application October 1, 1940, Serial No. 359,253
In Great Britain March 19, 1940
7 Claims. (Cl. 176—124)



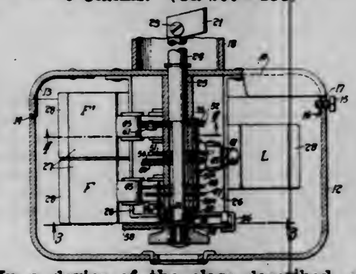
1. In combination, an electric discharge device having spaced electrodes, one of which has an appreciable amount of resistance, means for connecting said electrodes with a source of current supply to energize the device, heat responsive means for closing a circuit across said device and including said one electrode in series to effect an initial heating thereof, and means controlled by said heat responsive means for short circuiting said one electrode after the discharge has started in said device.

2,296,063

AUXILIARY FAN SWITCH

Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application June 26, 1939, Serial No. 281,120
6 Claims. (Cl. 200—138)



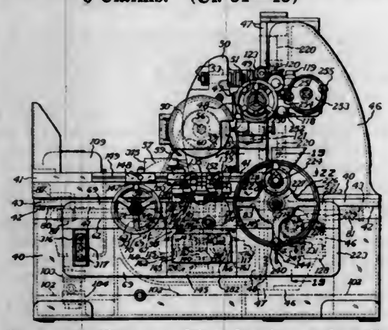
1. In a device of the class described, a temperature responsive element, a fan switch, a limit switch and an auxiliary fan switch, cams for each of said switches operated by said temperature responsive element whereby upon rise in temperature affecting said temperature responsive element the cam for said fan switch will turn it on, the cam for said limit switch will turn it off and the cam for said auxiliary fan switch will turn it on, respectively, and, upon a fall of temperature affecting said temperature responsive element, the cam for said auxiliary fan switch will turn it off, the cam for said limit switch will turn it on and the cam for said fan switch will turn it off, respectively.

2,296,064

SURFACE GRINDING MACHINE

Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application October 14, 1941, Serial No. 414,946
8 Claims. (Cl. 51—45)



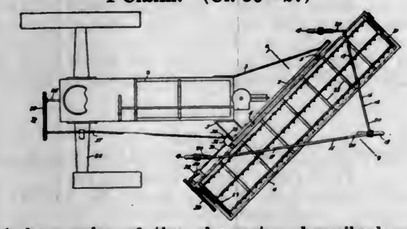
1. In a grinding machine having a longitudinally reciprocable table, a fluid pressure piston and cylinder to reciprocate said table, a fluid pressure system including a motor driven fluid pump to supply fluid under pressure to said cylinder, a reversing valve to control the admission of fluid under pressure to opposite ends of said cylinder, a pair of pilot valves supported on opposite ends of said reversing valve, each of which is arranged to control the admission to and exhaust of fluid from an end chamber in opposite ends of said reversing valve, means including a rod operatively connected to and arranged simultaneously to actuate said pilot valves, and a table actuated reversing lever operatively connected to actuate said rod to shift the pilot valve and thereby to shift the reversing valve so as to reverse the table movement.

2,296,065

HAY RAKE

Kenneth C. Slamp, Davis, Ill.

Application December 10, 1941, Serial No. 422,431
1 Claim. (Cl. 56—27)



A hay rake of the character described comprising a bar, means for mounting said bar diagonally on the front of a tractor, pairs of angle iron brackets mounted vertically on the bar, said brackets having vertical slots therein, a frame of angle iron paralleling the bar, bearings secured beneath said frame, pins mounted on the frame and including reduced portions secured

in said bearings, said pins projecting between the pairs of brackets, crossheads on the pins operable in the slots for connecting the pins to the brackets for vertical sliding movement and a rake rotatably mounted in the frame.

2,296,066

PIGMENT MATERIALS AND PROCESS OF MAKING THE SAME

Clifford K. Sloan, Woodside Hills, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 5, 1940, Serial No. 355,460
11 Claims. (Cl. 106—308)

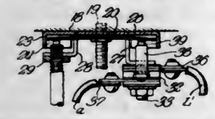
1. In a process for the preparation of dry pigments suitable for incorporation into oil paint vehicles by simple mixing, whereby a homogeneous pigment oil paint vehicle mixture is formed, the step which comprises separately adding an anion active polar-nonpolar agent and a cation active polar-nonpolar agent to an aqueous pigment system, and subsequently drying the pigment at a temperature not exceeding about 200° C.

2,296,067

THERMOSTAT

Howard A. Smith, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application March 20, 1939, Serial No. 262,879
8 Claims. (Cl. 200—138)



1. In a thermostat for a grid or the like heated by an electric heating element, a pocket on said grid, an adjusting screw projecting into said pocket, a loose bi-metal element located therein and of smaller size than said pocket to permit free movement of the bi-metal element in the pocket upon being warped by response to increased temperature, said bi-metal element being unconnected with said pocket and a circuit breaker for controlling the circuit of the heating element, said circuit breaker being operated to open circuit position by said bi-metal element only after a predetermined degree of warping thereof in said pocket sufficient to cause simultaneous engagement of three spaced points of said bimetal element with one point of said pocket, with said adjusting screw, and with said circuit breaker respectively.

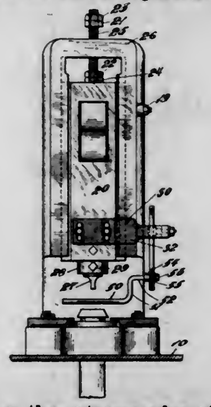
2,296,068

FOOT PRESS GUARD

John Swanson, Attleboro, Mass., assignor to J. & L. Tool Company, Attleboro, Mass., a partnership composed of Emil L. Johnson and Olaf Lundsten

Application October 15, 1941, Serial No. 415,110
3 Claims. (Cl. 74—615)

1. In a machine having a plunger and a fixed overhanging frame in which said plunger moves, an L-shape bracket having an arm secured to the front face of said plunger and movable therewith and extending beyond the side of said frame and with the other arm thereof extending rearwardly of said front face and spaced from the side of said frame, a member having a slot therein and pivotally mounted to the side of said frame at a location thereon between said arm and said frame and intermediate the free end of said arm and the front face of said plunger and having an extension thereon adjustably secured in said slot and movable with said member to swing across the path of movement of the plunger, a roller adjustably secured to the free end portion of said arm, a



cam surface on the extreme edge of said member engaging said roller at all times throughout the extent of movement of said roller to govern the movement of said member to swing the same in one direction upon the downward movement of said plunger and to swing the member in the other direction upon the upward movement of said plunger.

2,296,069

FUEL FOR INTERNAL COMBUSTION ENGINES

Guy W. Talbert, Summit, N. J., and Everett W. Blizzard, Kenmore, N. Y., assignors to Allied Chemical & Dye Corporation, a corporation of New York

No Drawing. Application March 21, 1940. Serial No. 325,118
14 Claims. (Cl. 44—76)

1. A hydrocarbon fuel for use in an internal combustion engine, said fuel containing a small amount of a higher alkyl aryl sulfonate in which the aromatic nucleus contains not more than two nuclei and the higher alkyl substituent contains from 20 to 30 carbon atoms joined carbon to carbon.

2,296,070

TREATMENT OF METAL PRIMERS

John S. Thompson and Edwin W. Goodspeed, Detroit, Mich., assignors to Parker Rust Proof Company, Detroit, Mich.

No Drawing. Application September 22, 1936, Serial No. 102,018. Renewed July 11, 1940
10 Claims. (Cl. 117—69)

1. A method of treating articles with metallic surfaces containing a paint coat, which comprises applying thereto an aqueous solution of rust-proofing materials and then applying finish coats in the usual manner.

2,296,071

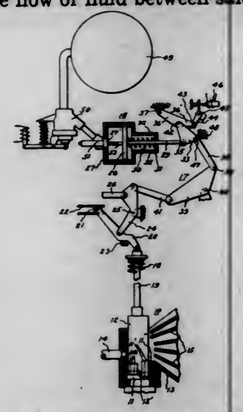
ELECTRIC CIRCUIT BREAKER

Carl Thumim, Yeadon, Pa., assignor to General Electric Company, a corporation of New York

Application August 22, 1940, Serial No. 353,683
10 Claims. (Cl. 200—82)

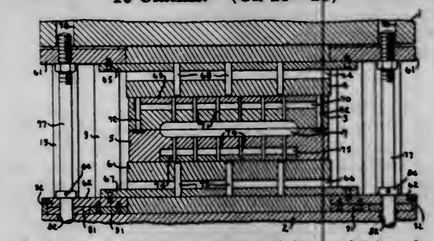
1. In an electric circuit breaker comprising a

plurality of relatively movable contacts, a fluid motor including a piston for producing relative movement between said contacts, a source of fluid under pressure, means for interconnecting said source and said fluid motor, and means for varying the flow of fluid between said source and



said fluid motor during an operating stroke of said circuit breaker, said fluid motor being so constructed and arranged with reference to said last-mentioned means as to permit said fluid under pressure to act initially on substantially the entire working face of said piston.

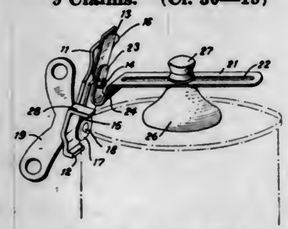
2,296,072
HYDRAULIC PRESS
Warren R. Tucker, Dayton, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Application November 20, 1939, Serial No. 305,356
10 Claims. (Cl. 18—16)



3. A hydraulic press comprising a bed, a head movable towards said bed, a plurality of main hydraulic cylinders carried by said bed adjacent the side faces thereof, main pistons in said cylinders, connecting means connecting said pistons and said head for motion together, auxiliary hydraulic cylinders carried by said bed and arranged adjacent the side faces thereof, auxiliary pistons in said auxiliary cylinders, the means connecting said auxiliary pistons and said head for motion together, means for hydraulically actuating said auxiliary pistons for traversing said head towards said bed, means for hydraulically actuating said main pistons for continuing the movement of said head towards said bed under higher pressure after said traversing, and fluid reservoirs in said head and bed respectively and communicating with each other through passageways in said connecting means and said main pistons.

6. In a hydraulic press, a bed, a head thereabove which is movable towards and away from said bed, means forming a hydraulic cylinder in said bed, a piston movable in said cylinder in a direction parallel to the motion of said head, a plunger fixedly attached to and extending from said piston into fixed engagement with said head whereby said head is moved with said piston, a reservoir for hydraulic liquid in said bed, means establishing constant free communication between said reservoir and the lower portion of said cylinder, a reservoir in said head, and a bore lengthwise of said plunger and said piston for establishing free liquid communication between the reservoir in said head and the lower portion of said cylinder and for thereby establishing constant communication between said reservoirs regardless of the position of said head.

2,296,073
CAN OPENER
Albert Walgo, Mattituck, N. Y.
Application October 3, 1941, Serial No. 413,439
9 Claims. (Cl. 30—15)



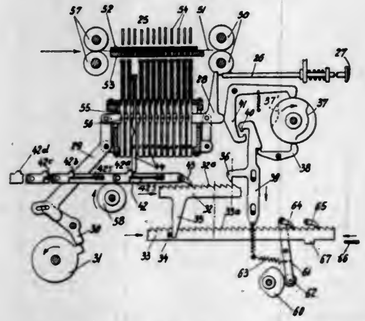
1. In a can opener of the type to effect complete severance of the can end from a can body, a standard, a driving wheel rotatably mounted thereon and arranged to engage a portion of the can, a handle for rotating the wheel, a cutter mounted on a pivot carried by the standard, an arm fast on the same pivot, said arm extending transversely of said standard and having a slot therein, and a vacuum cup loosely mounted in said slot and adjustable to engage the cam end in approximately the center thereof.

2,296,074
SAFETY SHIELD FOR CLIMBING IRON GAFFS
Merlin D. Weed and Percy A. Bennett, Punxsutawney, Pa.
Application September 18, 1941, Serial No. 411,416
4 Claims. (Cl. 227—27)



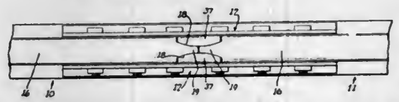
1. A climbing iron gaff shield comprising a contractile coil spring adapted to be anchored to a climbing iron above the gaff thereof, a plate connected at one end thereof to the free end of the spring, said plate being provided with a socket adjacent its free end adapted to receive the pointed, free end of the gaff, said spring yieldably holding said socket portion in engagement with the gaff, and a hook mounted on the outer side of the climbing iron and above the anchored end of the spring for engaging the plate to hold it in an inoperative position on the outer side of the climbing iron and away from the gaff, and said spring acting to yieldably hold the plate in engagement with the hook.

2,296,075
CARD-CONTROLLED BOOKKEEPING MACHINE
Wilhelm Wegener, Berlin-Schlachtensee, Germany, assignor to Accounting and Tabulating Machine Corporation, New York, N. Y.
Application December 23, 1930, Serial No. 504,336
In Germany December 27, 1929
5 Claims. (Cl. 235—61.7)



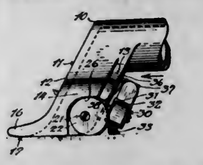
1. In a machine of the class described, accumulators, means for transferring data from one accumulator to another, means for analyzing record cards in succession, means for causing repeated operation of said transferring means, means controlled by said analyzing means for determining the difference in value between representations on successively fed records and means controlled thereby for determining the number of repeated transfer operations.

2,296,076
TOELESS SPLICE BAR
David Wood, New York, N. Y.
Application November 9, 1940, Serial No. 365,050
1 Claim. (Cl. 238—222)



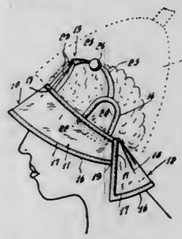
In combination, two abutting rails, one of said rails having a head tapered to form a recess at each side of the rails, said recessed portion having side walls tapering toward the top of the rail, two splice members, each having a bottom flange, an upwardly extending web portion and a portion at the upper edge of the web portion intermediate the ends of the member, said intermediate portion being complementary in shape with said recessed portion, the bottom flange of each splice bar resting on the base portion of the rail and the web portion abutting the underside of the head of the rail, an intermediate portion fitting into a recess, and means for securing said splice bars to the rails.

2,296,077
SUCTION NOZZLE
Edward H. Yonkers, Jr., Glencoe, Ill.
Application August 14, 1941, Serial No. 406,867
2 Claims. (Cl. 15—158)



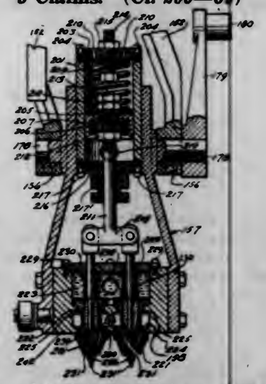
1. A suction nozzle comprising a nozzle body having an elongated suction opening transverse to the line of normal nozzle travel during cleaning, a brush carried by said body outside of the suction opening and adjacent one transverse edge of said opening, one eccentric roller for each side of said nozzle body and adjacent said transverse edge, said rollers engaging a carpet or the like during cleaning and in one position thereof raising said one transverse edge a limited predetermined distance above a carpet and in another position dropping said one edge to said carpet in substantially sealing engagement, said other transverse edge remaining in sealing engagements at all times and means for limiting said roller travel to a range whose end points are said two positions, said rollers being adapted to be turned to one position during nozzle travel in one direction and to the other position during nozzle travel in reverse direction and being prevented from passing beyond a position because of excessive nozzle travel in either direction.

2,296,078
FACE SHIELD
Pearl Young, Geary, Okla.
Application June 13, 1940, Serial No. 340,404
4 Claims. (Cl. 2—174)



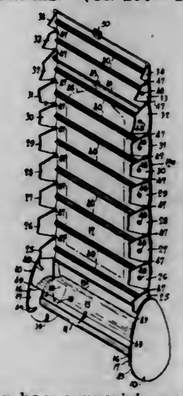
1. A shield for use with hair dryers, comprising an elongated longitudinally curved member forming a brim and provided with an inner longitudinally curved edge for engaging around the forehead and under the ears, the ends of the brim being adapted to extend to adjacent the back of the neck, said brim being relatively rigid and substantially flat in cross section and being arranged to project downwardly and outwardly relatively to the face, and means for engaging the crown of the head and attached to the brim for retaining the brim in its applied position, said means comprising a head harness including flaps projecting upwardly from the inner edge of the brim for engaging over the ears.

2,296,079
GLUING HEAD
Helmer Anderson, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Original application January 23, 1939, Serial No. 252,506. Divided and this application June 21, 1941, Serial No. 399,171
5 Claims. (Cl. 299—59)



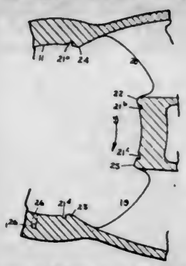
1. A gluing head for machines of the class described comprising an air cylinder and an adhesive holding compartment, said compartment having an adhesive distributing nozzle, a needle valve carried by said compartment controlling the flow of adhesive through the nozzle, a piston in said cylinder, means operatively connecting the needle valve and said piston, means to admit air under pressure beneath said piston, spring means in said cylinder acting in opposition to the admitted air for returning the needle valve to closed position, said compartment being provided with a transverse partition dividing it into an upper adhesive chamber from which the adhesive nozzle is fed and a lower air chamber, an air nozzle leading from said air chamber surrounding the adhesive nozzle, the adhesive nozzle extending beyond the air nozzle, both nozzles converging outwardly, and means to admit air under pressure to said air chamber.

2,296,080
TRAVELING BAG
John B. Arrowood, Concord, N. C.
Application April 25, 1941, Serial No. 390,295
4 Claims. (Cl. 190—43)



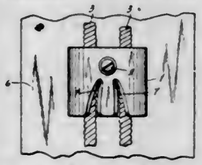
1. A traveling bag comprising a container, an end piece disposed at each end of the container, a flexible elongated cover having one end thereof secured between said end pieces and being substantially the same width as the container, spacer members carried by the edges of said cover and adapted to engage the periphery of the container when the bag is closed to thereby hold the cover in spaced relation to the container, means for rigidly connecting the spacer members along one edge of the cover with the corresponding spacer members along the other edge, thereby arranging the spacer members in pairs, and means for hingedly connecting said pairs together.

2,296,081
LUBRICATION OF ROTARY VALVES
Frank Metcalf Aspin, Bury, England
Application December 28, 1940, Serial No. 372,063
In Great Britain December 9, 1939
8 Claims. (Cl. 251—93)



1. A valve comprising a valve housing forming a socket, a plug rotating in the socket, said socket and plug having lubricated complementary engaging surfaces with complementary ports therein forming in such surfaces zones disposed in the direction of rotation, said zones respectively being interrupted and uninterrupted by said ports, means for continuously lubricating said surface zones not interrupted by the ports, said interrupted surface zone of the socket having a groove formation arranged across the direction of relative movement of the plug surface and with a relatively vertical wall facing the lubricant carried on the approaching surface of the plug and a relatively inclined wall down which the lubricant can spread as it enters the groove formation, whereby said groove formation is adapted to interrupt some part of the lubricant on that portion of the plug immediately before such lubricant reaches the port in the socket.

2,296,082
CLASP
Valie C. Bierk, St. Louis, Mo.
Application May 15, 1941, Serial No. 393,550
3 Claims. (Cl. 24—130)



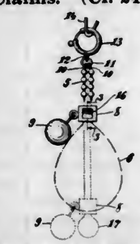
1. A clasp for a cord comprising a block having a longitudinal bore therethrough, and a wedge slot extending inwardly from one end of the block and from the bore to the outer surface of the block, the median plane of the slot being disposed at an acute angle to the axis of the bore.

2,296,083
GLOVE HOLDER
Gertrude Bloom and Israel Bloom, New York, N. Y.
Original application February 3, 1940, Serial No. 317,042, now Patent No. 2,260,700, dated October 28, 1941. Divided and this application September 13, 1941, Serial No. 410,711
2 Claims. (Cl. 24—3)



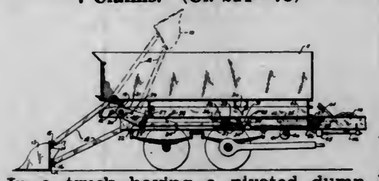
1. A device for automatically gripping and holding a pair of gloves suspended from a lady's handbag or other support and comprising a self-closing suspended slipnoose of a size to embrace a pair of gloves and made up of a flexible member having a catch at one end for attachment to and suspending the same from the supporting object and having the opposite end doubled upward over the suspended portion, a loop sliding freely over said suspended portion and with which said upwardly doubled end is connected, the glove encircling noose below said sliding loop being disconnectible at a point to enable placement of a pair of gloves within said opened noose and being readily connectible to close the noose about the thus placed gloves and thereby to render the noose automatically self-closing under the weight of the suspended encircled gloves, said disconnectible and readily connectible portion of said self-closing slip noose being located at an intermediate point in the length of the slip noose and including separated portions of the flexible member equipped with cooperative snap fastener elements.

2,296,084
GLOVE HOLDER
Gertrude Bloom and Israel Bloom, New York, N. Y.
Original application February 3, 1940, Serial No. 317,042, now Patent No. 2,260,700, dated October 28, 1941. Divided and this application September 13, 1941, Serial No. 410,712
2 Claims. (Cl. 24—3)



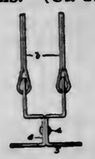
1. A device for automatically gripping and holding a pair of gloves suspended from a lady's handbag or other support and comprising a self-closing suspended slip noose of a size to embrace a pair of gloves and made up of a flexible member doubled upon itself and having the two ends brought together and provided with means for attaching and suspending the same from a supporting object to provide suspended parallel strands connected at the bottom by a loop, a noose forming loop slidingly engaged over the suspended parallel strands between said supported portion at the top and said connecting loop at the bottom, said sliding loop having handle means by which the same may be slid up over the strands to leave the loop of the flexible member fully opened below the same to receive a pair of gloves therein.

2,296,085
TRUCK LOADING DEVICE
Alvin M. Boldt, Vallejo, Calif.
Application April 17, 1940, Serial No. 330,102
7 Claims. (Cl. 214—78)



1. In a truck having a pivoted dump body and a pivoted loading scoop, a hydraulic ram, a pivotal support for said ram, and means for adjusting said ram on said support to selectively engage and operate the body and scoop.

2,296,086
TENNIS NET CENTER BAND ATTACHING EQUIPMENT
Royce S. Bunker, Baltimore, Md., assignor to The Linen Thread Co., Inc., New York, N. Y., a corporation of Delaware
Application January 16, 1941, Serial No. 374,731
3 Claims. (Cl. 189—90)

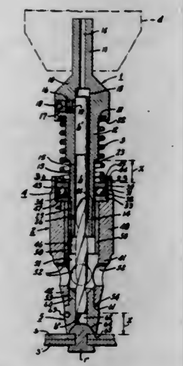


1. Means for anchoring to the ground a band straddling a tennis net or the like including an anchor device to be set in fixed position in the ground and having an upwardly open substantially tubular socket and a coupling device formed throughout of sheet metal and having a substantially horizontal disk in the socket and a flat shank upstanding from and bisecting the disk and to which to attach the band, said anchor device having spaced projections projecting into its socket over the disk and the disk having notches arranged, on rotating the coupling member, to register with the projections and clear the latter when the coupling member is then elevated.

2,296,087
RIVET CUTTER
Maland F. Burns, Jr., Brooklyn, N. Y.
Application March 19, 1941, Serial No. 384,095
18 Claims. (Cl. 77—5)

1. A rivet cutter including, a driving member having a driving shank for attachment to a power unit and a, body section having a bit receiving socket, means for removably securing the bit in said socket, a non-rotating guide sleeve, a thrust bearing seating in said sleeve having an aperture through which said body section extends, means for limiting the longitudinal separating movement of said driving member and guide sleeve, an expansion spring surrounding said body section

and interposed between a shoulder on said driving member and said thrust bearing for yieldingly holding said driving member and sleeve relatively



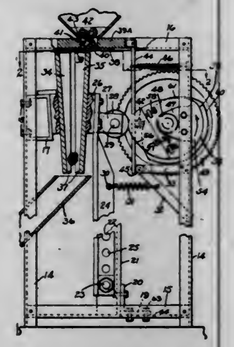
separated to the extent permitted by said limiting means, and a bit guide at the end of said sleeve having a passage to receive and guide the bit secured in the socket of said driving member.

2,296,088

NUTCRACKER

Darrel Carter, Riddle, Oreg.

Application September 20, 1940, Serial No. 357,596
1 Claim. (Cl. 146—12)



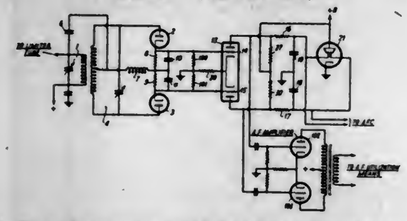
A nut cracker, the combination of a base, a frame extending upwardly from said base and having a plurality of fixed upright V shaped jaws mounted thereon, cooperating V shaped movable jaws opposing the said fixed jaws, arms supporting said movable jaws from the base, hinges connecting said arms to said base, means for adjusting said hinged connection with the base both horizontally and vertically to cause changes of the cooperative effect of the opposed jaws on the nuts, a cam rotatably mounted in the frame, means for rotating said cam, a roller journaled on the rear face of the movable jaw and bearing upon the cam face, spring means for urging the roller into contact with the cam, said cam having a lobe portion thereof hinged to the remaining portion of the cam and means to vary the position of said hinged lobe to vary the nut cracking stroke of the movable jaws and means to feed nuts between the jaws adjacent the top ends thereof.

2,296,089

FREQUENCY MODULATION RECEIVER TUNING INDICATOR

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 20, 1940, Serial No. 319,828
2 Claims. (Cl. 250—20)



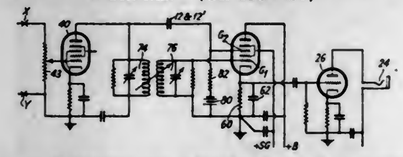
2. In a frequency modulated carrier wave receiver of the type provided with an indicator tube having a cathode, a positive fluorescent anode surrounding the cathode, and at least two control electrodes disposed at separated points in the electron stream from the cathode to the anode, and opposed rectifiers responsive to carrier frequency deviations in opposite directions from an assigned frequency value for producing a pair of potentials variable in magnitude in opposite senses; the improvement which comprises a pair of electron discharge devices each having at least a cathode, an output electrode and an input electrode, means applying each of said potentials to a respective input electrode of one of said devices, means applying the amplified potential output of each device to a respective one of said control electrodes whereby a pair of independent electrical shadows are produced on said anode, and a resistor common to the space current paths of both said devices and being connected between the cathodes thereof and each of said input electrodes whereby the differential variation of said shadows is rendered highly sensitive.

2,296,090

FREQUENCY MODULATION RECEIVER

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 6, 1940, Serial No. 328,353
4 Claims. (Cl. 250—27)



1. In a system for demodulating a frequency modulated wave or an amplitude modulated wave, an electron discharge tube having an output electrode, a first control electrode, a second control electrode and a cathode, a condenser for impressing either amplitude modulated wave energy or frequency modulated wave energy substantially directly between one of said control electrodes and cathode, a circuit parallel resonant substantially at the mean frequency of said amplitude modulated wave or frequency modulated wave energy a connection between spaced points on said parallel resonant circuit and the other of said control electrodes and cathode, means for adjusting the condenser to have a large reactance to demodulate said amplitude modulated wave and to have a small reactance

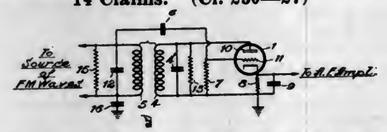
to demodulate a frequency modulated wave, an output circuit connected with said cathode and said output circuit including a load resistor connected between the cathode and a point of relatively fixed alternating potential.

2,296,091

FREQUENCY MODULATION DETECTOR CIRCUITS

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 25, 1941, Serial No. 399,586
14 Claims. (Cl. 250—27)



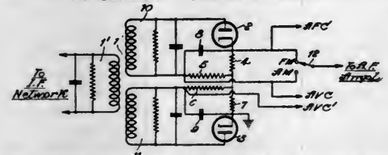
1. In a demodulation network for angular-velocity modulated carrier waves, at least one electron discharge tube, said tube being provided with at least a cathode, an output electrode and at least one intermediate cold electrode, means applying said modulated carrier waves to one of said intermediate electrode and output electrode, means for retarding the phase of a portion of the said modulated carrier waves, means for applying the retarded waves to the other of said two electrodes, said output and intermediate electrodes both being at substantially cathode potential in the absence of applied carrier waves, and a load element in the space current path of said tube for developing modulation voltage representative of deviations of the center frequency of said modulated carrier waves.

2,296,092

DIFFERENTIAL DETECTOR CIRCUITS

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 17, 1941, Serial No. 402,784
15 Claims. (Cl. 250—27.1)



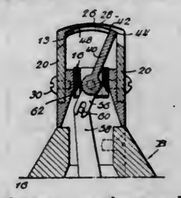
1. In combination, a first diode having a modulated carrier wave input circuit, a pair of resistor elements arranged in series relation between the cathode of said diode and one side of said input circuit, a second diode provided with a modulated carrier wave input circuit, a second pair of resistors arranged in series relation between the cathode of the second diode and one side of its input circuit, a direct current voltage connection between the junction of said first pair of resistors and said second pair of resistors, means for applying to said diode input circuits modulated carrier waves of variable center frequency or modulated carrier waves of constant carrier frequency and variable amplitude, like resistors of said two pairs of resistors being differentially connected to provide thereacross modulation voltage corresponding to the aforesaid center frequency variations, means for deriving said modulation from across said differentially connected resistors, and additional means connected to the anode end of one of said pair of resistors for deriving modulation voltage corresponding to said modulated waves of variable carrier amplitude.

2,296,093

SHAVING DEVICE

Godfrey Dalkowitz, Brooklyn, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia

Application June 22, 1937, Serial No. 149,567
2 Claims. (Cl. 30—43)



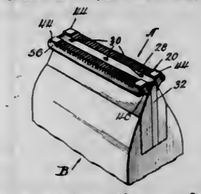
1. In a dry shaver, a shear plate having a longitudinally extending central solid portion and solid bars extending outwardly from said central solid portion on each side thereof, the bars on one side being staggered in relation to the bars on the other side, and at least one rib extending transversely across the shear plate and depending downwardly from a pair of said bars on opposite sides of said central solid portion and other ribs extending transversely part of the way across said shear plate.

2,296,094

SHAVING DEVICE

Godfrey Dalkowitz, Brooklyn, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia

Application July 23, 1937, Serial No. 155,178
9 Claims. (Cl. 30—43)



1. In a face engaging shear plate for a dry shaver a side wall, a lower flange extending laterally outward from the lower edge of said wall and having a free outer edge and an upper wall extending inwardly from the upper edge of the wall, said upper wall and a portion of said wall extending for a substantial distance below the lower surface of said upper wall being transversely slotted.

2,296,095

DRY SHAVER

Godfrey Dalkowitz, Brooklyn, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia

Application May 8, 1940, Serial No. 333,912
9 Claims. (Cl. 30—43)

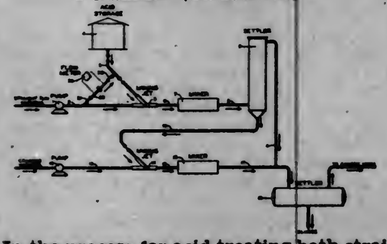
6. In a dry shaver a frame, a hollow cylindrical face engaging member mounted for free rotation on said frame so as to be rotatable by traction as the frame is moved across the face, said member having a hair admitting opening therein, a blade provided with a cutting edge, and means for mounting said blade so that its cutting edge

is in adjacency to the inner surface of the cylinder, means comprising a yieldable element fixed



to the blade and in engaging relation to a portion of the frame.

2,296,096
ACID-TREATING PROCESS
Russell F. Dorsch, San Antonio, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 2, 1940, Serial No. 364,027
4 Claims. (Cl. 196—40)



1. In the process for acid treating both straight run and cracked hydrocarbon oils to remove sulful and gum-forming constituents, the improvement which comprises contacting the straight run petroleum hydrocarbon oil with sulfuric acid to form an acid-treated straight run petroleum hydrocarbon oil and a straight run acid sludge, and mixing the straight run acid sludge with the cracked petroleum hydrocarbon oil, whereby there is produced acid-treated cracked petroleum hydrocarbon oil, the sulfuric acid contacted with the straight run petroleum hydrocarbon oil being the only acid employed in the process.

2,296,097
CLEANING COMPOSITION
Alfred Emiley, New Lenox, Ill.
No Drawing. Application March 29, 1941, Serial No. 385,848
1 Claim. (Cl. 252—160)

A composition for cleaning and polishing automobile windshields consisting of the following materials in powdered form in substantially the proportions by weight as stated: feldspar 12 parts, calcium carbonate 8 parts, sodium bicarbonate ¾ of 1 part, and bentonite 3 parts and water sufficient to form a homogeneous, nonscratching paste which is not deleterious to the finish of an automobile.

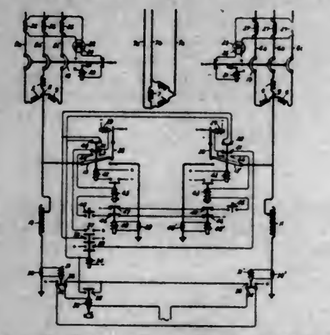
2,296,098
RADIO TUNING SYSTEM
Victor M. Farfel, Camden, and Jerome C. Smith, Haddon Heights, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 1, 1940, Serial No. 338,320
2 Claims. (Cl. 178—44)

1. In a variable permeability tuning system, the combination with a high impedance amplifier tube, of a tunable signal input network therefor comprising two tunable signal conveying circuits, a variable permeability tuning inductance in each of said circuits, a common capacitive reactance device in each of said circuits at the low potential side thereof providing a predetermined constant coupling between said circuits throughout the tuning range thereof, and a tunable signal output network for said amplifier tube compris-



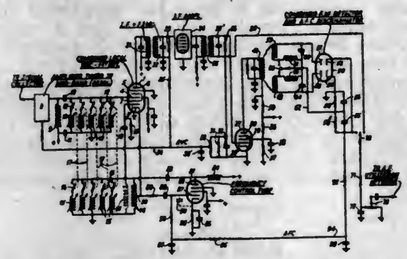
ing a variable permeability tuning inductance, a fixed tuning capacitor and a series resistor, said resistor having a resistance value such that the gain through said circuit across said resistor as a coupling element for signal output is substantially constant throughout a predetermined tuning range.

2,296,099
PROTECTION OF ALTERNATING CURRENT ELECTRIC POWER SYSTEMS
Sherman B. Farnham, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 31, 1941, Serial No. 425,095
13 Claims. (Cl. 171—97)



1. In a polyphase alternating current system of the type wherein a fault to ground on one phase conductor of a circuit of the system substantially increases the capacitance current to ground of the ungrounded phase conductors of the circuit, a multiwinding transformer having a low zero-phase sequence reactance relatively to its positive phase sequence magnetizing reactance and at least two sets of star-connected windings, two polyphase circuits respectively connected to said sets of star-connected windings, two inductive devices respectively connected between the star points of said star-connected windings and ground, each of said devices being proportioned to have together with the transformer a zero-phase sequence inductance such as to provide on the occurrence of a ground on a phase conductor of the circuit connected to the star-connected windings to whose star point the device is connected a lagging current for effectively suppressing the capacitance current to ground at the grounded point, switching means for establishing a low impedance connection to ground from the star points of said star-connected windings and means operative in dependence on the current flowing in the particular inductive device associated with the transformer windings to which the faulted conductor is connected a predetermined time after the occurrence of a ground fault which is not suppressed by the lagging current flowing in the particular inductive device for initiating the closure of all of said switching means when the ground fault occurs on one of said circuits and at least one of the switching means when the ground fault occurs on the other of said circuits.

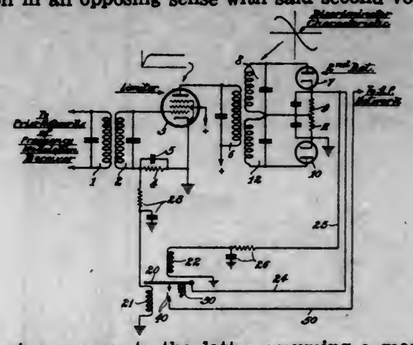
2,296,100
FREQUENCY MODULATED WAVE RECEIVER
Dudley E. Foster, South Orange, N. J., and John A. Rankin, Port Washington, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Original application February 20, 1940, Serial No. 319,830. Divided and this application August 20, 1940, Serial No. 353,322
3 Claims. (Cl. 250—40)



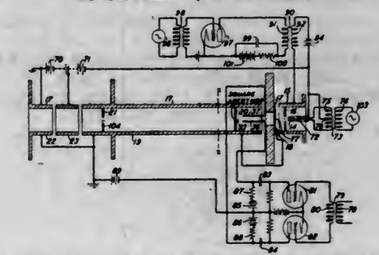
1. In a radio receiver of the superheterodyne type for amplitude, phase, or frequency modulated waves a local oscillator circuit comprising an inductance and capacitance, an automatic frequency control tube comprising at least a grid electrode, a cathode and an anode, a quadrature circuit comprising a resistor and capacitor in series, said quadrature circuit being connected across a portion of said oscillator inductance to prevent the input conductance of said control tube from loading said oscillator circuit, the grid electrode of said frequency control tube having radio frequency energy supplied to the grid electrode thereof from the junction of said resistor and condenser of said quadrature circuit, means for simultaneously applying direct current control potential to said grid electrode, and the anode of said control tube being connected across a greater portion of said oscillator inductance than is said quadrature circuit.

2,296,101
FREQUENCY MODULATION RECEIVER TUNING INDICATOR
Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 25, 1940, Serial No. 362,705
9 Claims. (Cl. 250—20)

1. In a receiver of frequency modulated carrier waves of the type provided with a frequency modulation detector and a utilization network for detected waves, the method which includes deriving from the detected waves a uni-directional voltage whose magnitude is a function of the frequency difference between the center frequency of the frequency modulated carrier waves applied to said detector and a predetermined frequency value, and impairing the transmission of said detected waves to said utilization network with said uni-directional voltage, deriving a second uni-directional voltage from the frequency modulated carrier waves applied to said detector and regulating said transmission in an opposing sense with said second voltage in response to the latter assuming a maximum value.



2,296,102
CATHODE RAY DEVICE
Frank Gray, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application March 22, 1940, Serial No. 325,345. Divided and this application October 31, 1940, Serial No. 363,588
16 Claims. (Cl. 250—27)

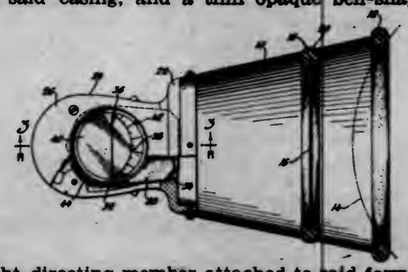


1. An electron optical arrangement comprising a cathode, a screen or target, an anode member having an apertured diaphragm therein, means for focussing a beam of electrons from said cathode on the aperture in said diaphragm, means including a pair of modulating plates placed between the cathode and said apertured diaphragm on opposite sides of the axis of the gun for moving the position of said focus with respect to said aperture, means including said focussing means for varying in accordance with signals the intensity of said beam and the focus thereof with respect to said aperture, and means for focussing an image of the aperture in said anode member upon said screen or target, said last-mentioned means including an apertured diaphragm member.

2,296,103
HEADLIGHT OUTPUT METER
Noel F. C. Haberkost, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 14, 1940, Serial No. 356,735
2 Claims. (Cl. 88—23)

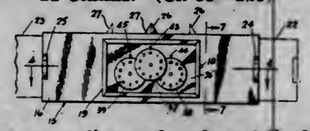
1. A lightweight manually-supported appliance for testing the beam intensity of vehicle headlamps, comprising: a combined handle and meter casing provided with a window in its top wall, the other walls of said casing being of a small size and configuration such as to lie flat-

wise in the horizontally-extended palm of the user's hand and be naturally firmly clutchable by the fingers thereof without obscuring the user's view of said window, a light meter disposed in said casing with its indicating means visible through said window and with its light-sensitive cell element exposable to the light source through an opening in the forward wall of said casing, and a thin opaque bell-shaped



light-directing member attached to said forward casing wall and having a divergent skirt terminating in a mouth of sufficient size to insure masking of the major portion of a conventional headlamp lens when the appliance is manually horizontally supported in use and to enable steady vertical support of the appliance with its skirt mouth disposed in light-excluding contact with the surface of a bench or the like when not in actual use.

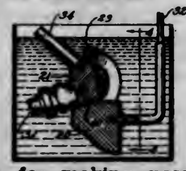
2,296,104
EASY READING SCALE RULE AND THE LIKE
John B. Handley, Albany, N. Y.
Application January 12, 1942, Serial No. 426,395
11 Claims. (Cl. 33—125)



1. An easy reading scale rule and the like comprising a measuring means starting from zero distance and working in accordance with a certain scale and having a stationary body from which a rotative shaft is accessible, said shaft starting from zero position and turning in direct proportion to a distance which is being measured and back to zero when said measuring means is reset to zero, a "stepped up" indicator for said certain scale and having a casing and an accessible rotative operator shaft, said operator shaft having a zero or starting position, means for mounting said indicator on said body and connecting said shafts in their zero positions when said indicator is mounted on said body, comprising headed studs on said casing engaging bayonet slots on said body and a non-circular end portion on one of said shafts engaging a complementary opening on the other of the shafts.

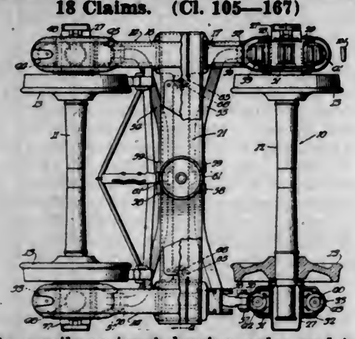
2,296,105
METHOD AND APPARATUS FOR MAKING RUBBER MASKS AND SIMILAR ARTICLES
Merrill E. Hansen, Akron, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware
Original application April 6, 1940, Serial No. 328,331. Divided and this application July 5, 1940, Serial No. 343,920
16 Claims. (Cl. 18—41)

1. A method of making rubber articles comprising providing a principal deposition form comprising a ring-like structure, coating the principal form with rubber, providing a complementary form adapted to matingly fit the ring-like structure of the principal form, coating the complementary form with rubber, associating the coated principal and complementary forms in mating relationship with the complementary form closing the opening in the ring-like structure of the principal form, and coating the assembled structure with rubber.



5. Apparatus for making nose and mouth masks comprising a principal deposition form comprising a ring-like structure and a complementary deposition form adapted to matingly fit the ring-like structure of the principal form, said complementary form including a continuous surface substantially co-extensive with the opening in the ring-like structure of the principal form whereby, in the assembled apparatus, the complementary form substantially closes the opening in the ring-like structure of the principal form.

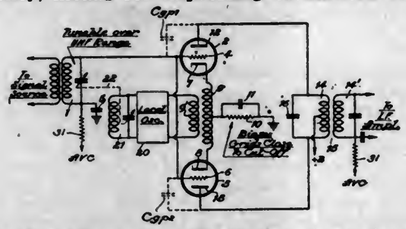
2,296,106
RADIAL TRUCK
Cyrus J. Holland, Chicago, Cyrus E. Holland, Highland Park, and Knute Edahl, Chicago, Ill., assignors to Holland Company, a corporation of Illinois
Application April 8, 1940, Serial No. 328,468
18 Claims. (Cl. 105—167)



1. In a railway truck having axles and journal boxes therefor, a pair of side frame members having bolster openings therethrough, a bolster member having its ends extending into said openings, and means for normally yieldingly biasing said bolster member normal to said side frame members, said means comprising a yoke member at each side of said bolster, each yoke having its ends pivotally connected to the journal boxes of the adjacent axle and having the junction portion of the yoke resiliently connected to said bolster.

2,296,107
ULTRA HIGH FREQUENCY CONVERTER
Charles N. Kimball, Jackson Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 9, 1941, Serial No. 392,651
3 Claims. (Cl. 250—20)

1. A heterodyne receiver circuit comprising a converter stage consisting of a pair of triodes of substantially equal gain, a common signal input circuit tuned to resonate at the input signal frequency, said input circuit being coupled to the control grids of said triodes to apply signals thereto in parallel, means for connecting the plates of said triodes in push-pull relation to provide a common output circuit tuned to a desired intermediate frequency value, a local oscillator tuned to a frequency differing from the input circuit frequency by said intermediate frequency, means for impressing oscillations from



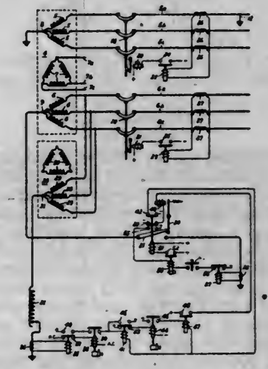
said oscillator upon the cathodes of said triodes in push-pull relation, and means common to the space current paths of both triodes for providing a normal bias voltage for said control grids such as substantially to cut off plate current in the absence of received signals thereby to provide maximum conversion conductance, each of said triodes having substantially equal inherent plate to grid capacity sufficient to provide input circuit loading in the absence of the other triode, said input circuit loading being prevented by virtue of the automatic neutralization of the aforesaid connections.

2,296,108
ALUMINUM ACETATE-CASEIN COMPLEX AND METHOD OF MAKING
Walter B. Kinney, Bainbridge, N. Y., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 2, 1941, Serial No. 400,857
6 Claims. (Cl. 260—119)

1. A water soluble complex of casein with water soluble basic aluminum acetate, which material when applied as a sizing upon textiles, paper, leather and the like, and dried, produces a dressing that is substantially fast to laundering.

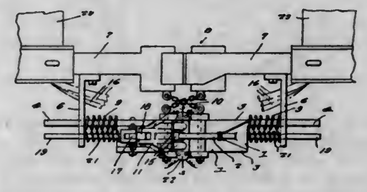
2,296,109
PROTECTION OF ALTERNATING-CURRENT ELECTRIC POWER SYSTEMS
Philip H. Light, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 31, 1941, Serial No. 425,094
13 Claims. (Cl. 171—97)

1. In a polyphase alternating current system of the type wherein a fault to ground on one phase conductor of at least one of the circuits of the system substantially increases the capacitance current to ground of the ungrounded conductors of one circuit, a multiwinding transformer having a low zero-phase sequence reactance relatively to its positive phase sequence magnetizing reactance and at least two sets of star-connected windings, the star point of one of said sets of windings being isolated from ground, two polyphase circuits respectively connected to said sets of star-connected windings, a zero-phase sequence inductance connection to ground for the particular circuit connected to the star point of the other set of star-connected windings proportioned to provide on the occurrence of a ground on a phase conductor of said particular circuit a lagging current for effectively suppressing the capacitance current to ground at the grounded point, means for establishing a low impedance connection to ground for said particular circuit including means operative in dependence on the current flowing in said inductance connection a predetermined time after the occurrence on a phase conductor of said particular circuit of a ground fault which is not



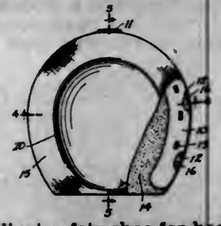
suppressed by the lagging current flowing in said inductance connection, and inductive means for establishing a second star point on the circuit connected to the set of windings having the isolated star point and a neutralizer connection to ground through said second star point having a zero-phase sequence inductance proportioned to provide on the occurrence of a ground on a phase conductor of said particular circuit a lagging current for effectively suppressing the capacitance current to ground at the grounded point.

2,296,110
TRAIN PIPE COUPLER
Richard Thomas Lowe, Richlands, Va.
Application May 25, 1942, Serial No. 444,449
2 Claims. (Cl. 285—24)



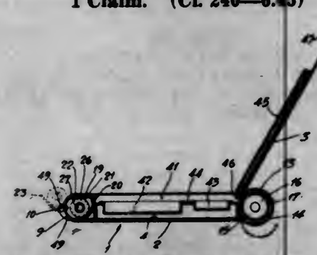
1. A train pipe coupler of the character described comprising a pair of opposed plates, means for detachably securing said plates together in side abutting engagement, means for supporting the plates between a pair of cars, blocks pivotally mounted for swinging movement on the outer sides of the plates, pipes mounted in said blocks and projecting into the plates, collars threadedly mounted on the inner end portions of the pipes, elbows threadedly mounted on the outer end portions of the pipes for connection with a plurality of train pipes, and resilient means for swinging the blocks inwardly against the plates for engaging the collars for establishing communication between the pipes on said blocks.

2,296,111
SHOE FOR HOOFED ANIMALS
Harry A. Mahar, Brooklyn, N. Y., assignor of thirty-one-hundredths to Eugene J. McHugh, New York, N. Y., and thirty-one-hundredths to Jay Erdman, Rowayton, Conn.
Application May 9, 1941, Serial No. 392,601
3 Claims. (Cl. 168—28)



1. In a resilient safety shoe for hoofed animals, a metallic frame element of substantially horseshoe shape, a resilient cushion body secured to and spanning said frame element, said cushion body having a bottom tread surface of convex form and extending to the outer periphery of and entirely beneath said frame element, the upper side of said resilient body being concave within the inner periphery of said frame element and being extended upwardly in fitting relation in contact with the inner periphery of said frame element to prevent lateral shifting between said frame element and said cushion body, and a top layer element extending to the outer periphery of and entirely over the upper surface of said frame element and secured to the upper surface of said resilient body within the inner periphery of said frame element.

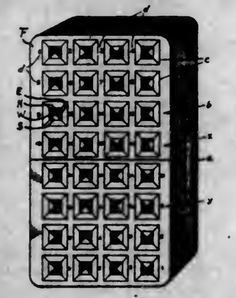
2,296,112
COMPACT OR VANITY CASE
Paul L. Menn, Los Angeles, Calif.
Application October 23, 1939, Serial No. 300,762
1 Claim. (Cl. 240—6.45)



A vanity case including a casing, a cover hinged to said casing, a mirror on the inner side of said cover, a light compartment in said casing forwardly of said mirror, a spotlight mounted in said light compartment, a reflector mounted in said light compartment for reflecting the light of said spotlight upon the face of the user of the case while looking into said mirror with said cover in an open and upright position, a door for normally closing said light compartment, and a window in said door through which the light of the spotlight is reflected by the reflector.

2,296,113
PLAYING CARD
Roy W. Middlebrook, Metuchen, N. J.
Application August 12, 1940, Serial No. 352,207
1 Claim. (Cl. 273—152)

A card for playing duplicate bridge having the entire back surface thereof divided into two groups of 16 enclosed square-shaped areas each representing a bridge hand and having indicia indicating the round, each of said areas being divided into four triangular sections each representing a player, a second square-shaped area centrally disposed within said first-mentioned square-shaped area and being of such size that there is sufficient space between the sides of said first-mentioned square-shaped area and said



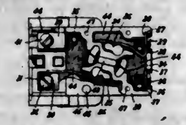
second-mentioned square shaped area to make notations therein, said second square-shaped area being divided into four equilateral triangular sections coinciding with the triangular sections of said first-mentioned area one of said triangular sections having indicia indicating the dealer, the opposite section having indicia indicating the vulnerability or non-vulnerability of the partner and the two remaining opposite sections having indicia indicating the vulnerability or non-vulnerability of the opponents.

2,296,114
LAMP HOLDER
Adolf G. Mueller and John M. Pistey, Fairfield, Conn., assignors to General Electric Company, a corporation of New York
Application December 19, 1940, Serial No. 370,816
7 Claims. (Cl. 173—328)



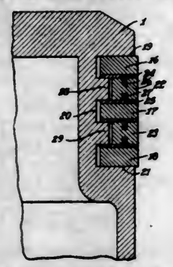
1. A lamp holder for an electric lamp having a ferrule at one end provided with spaced contact pins comprising, in combination, a body of insulating material, spaced contact members carried by said body adapted to engage the lamp pins for making an electrical connection therewith, said body being provided with a bead of resilient material adapted to engage the lamp ferrule in a continuous line surrounding the contact pins, a spring biased bracket for supporting said body, said bracket biasing said bead into engagement with the lamp ferrule to provide a seal between the body and the ferrule to protect the electrical connection between the lamp pins and the contact members.

2,296,115
OPERATING MECHANISM FOR DISCHARGE LAMPS
Adolf G. Mueller and John M. Pistey, Fairfield, Conn., assignors to General Electric Company, a corporation of New York
Application July 11, 1941, Serial No. 401,934
8 Claims. (Cl. 200—51)



1. A socket comprising a base of insulating material having receptacle means in a face thereof, said receptacle means comprising a plurality of concentrically arranged arcuate slots for receiving the contact pins of an electrical device and flexible contact blades adjacent each slot for engaging a corresponding contact pin, and means for normally electrically connecting two of said contact blades, the contact pins of the electrical device being adapted to be inserted in said arcuate slots and rotated therein, rotation of the pins causing them to engage said two contact blades to move them out of electrical connection with each other.

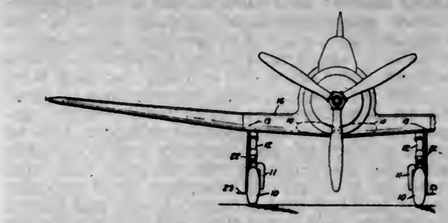
2,296,116
LAMINATED PISTON RING
Stanley M. Pelc, Greenville, Pa.
Application May 19, 1941, Serial No. 394,205
3 Claims. (Cl. 309—22)



2. A piston having a wide channel therein, outwardly extending spaced rectangular projections circumferentially carried by the bottom wall of the channel, a ring within the channel formed by the projections and of a thickness less than the width of the channel, intermediate rings of the same width as the projections, and removable plates carried by the intermediate rings on each face thereof and extending inwardly beyond the projections.

2,296,117
AIRCRAFT STRUCTURE
Paul Pevney, Massapequa, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application July 22, 1940, Serial No. 346,754
11 Claims. (Cl. 244—102)

1. In a full flush retractable landing gear for an airplane having a multi-cellular wing structure including longitudinal and lateral reenforcing members at spaced intervals with cubiform cells there-between, a wheel-supporting strut, means pivotally mounting said strut in full cantilever suspension on the wing on a pivot skewed from the planes of said reenforcing members to bring the wheel to a retracted position offset from the extended position thereof, said mounting means including a retracting mechanism supporting said strut, and a cubic gear-box enclosing

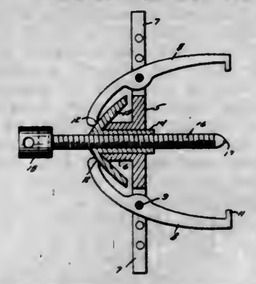


said retracting mechanism and said skewed pivot and fitting exactly into one of said cubiform cells.

2,296,118
PROCESS OF PRODUCING HYDROFLUORIC ACID LOW IN FLUOSILICIC ACID
Louis Preisman, Cleveland, Ohio, assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application April 8, 1940, Serial No. 328,477
7 Claims. (Cl. 23—153)

1. A process of producing hydrofluoric acid low in fluosilicic acid from a fluorite containing in excess of 1.0% but not more than about 3.0% silica, which comprises treating the fluorite with hydrofluoric acid of between 30 to 40% concentration, in amount such that the weight ratio of hydrofluoric acid to silica present in the fluorite is within the range of from 1:1 to 2.5:1, by heating the mixture of fluorite and hydrofluoric acid to drive off silicon fluoride, thereby reducing the silica content so that the fluorite contains less than about 1.0% silica, and treating the resultant fluorite with sulfuric acid to produce hydrofluoric acid low in fluosilicic acid.

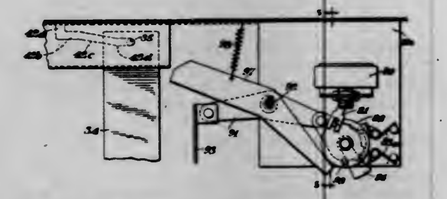
2,296,119
WHEEL AND GEAR PULLER
Joseph E. Ringrose, Redmond, Oreg.
Application April 7, 1941, Serial No. 387,339
1 Claim. (Cl. 29—85)



In a pulling tool, a spider embodying a hub

and a plurality of arms radiating therefrom, said hub embodying a tubular part tapered at one extremity thereof, and each of said arms being bifurcated and provided at opposite sides of the bifurcation with a series of openings spaced longitudinally of the arm, elongated curved gripping members, there being one member for each arm, and each member provided intermediate its ends with an aperture for registry with selected opposed openings in the associated spider arm to receive a pivot pin for pivotally and adjustably connecting said member with an arm each arm having its ends axially extending from opposite sides of said hub and provided at one end with a cam surface, and at the other end with a gripping jaw, a cam embodying a tubular body having a working fit in the hub of said spider, and an integral substantially conical hollow head situated on that side of the hub that will position the same in operative engagement with the cam surfaces of said members, said conical hollow head receiving within the confines thereof and at the angle between said head and tubular body of the cam the tapered end of the tubular part of said spider hub, said tubular body of said cam having a threaded bore, an operating screw having a working fit within the bore of said tubular cam body and provided at one end with an enlarged head having a transverse tool accommodating opening.

2,296,120
VOTING MACHINE
Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware
Application April 25, 1941, Serial No. 390,233
4 Claims. (Cl. 74—504)

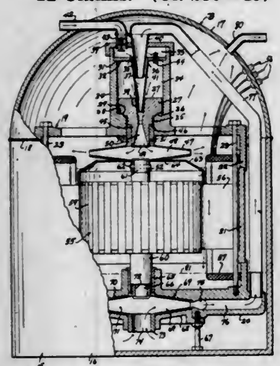


1. In a voting machine, a voter-actuated rotatable control member shaped to provide a first pair of opposed shoulders and a second pair of opposed shoulders with the second pair being spaced further apart and having a greater radius than said first pair, a pivoted pawl for each of said second pair of shoulders located in engageable relationship to said shoulder and movable into engageable relationship to the corresponding shoulder of said first pair upon rotation of said control member in one direction, means tending to move said pawl into said last-named relation, said first pair of shoulders being spaced sufficiently apart from each other and said second pair of shoulders being spaced sufficiently close to each other to prevent engagement of either pawl with a shoulder of the first pair except when the remaining pawl is in engaging relationship to the opposite shoulder of said second pair, a rotatable wiper coaxial with said control member and in underlying relation to said pawls, and means for oscillating said wiper between two positions, said wiper being so shaped that in each of said two positions it maintains one pawl out of engaging relation to its associated first pair shoulder while permitting the remaining pawl to assume engaging relation to its associated first pair shoulder.

2,296,121
GERMICIDAL SOAP
James A. Smith, Philadelphia, Pa.
No Drawing. Application June 19, 1939, Serial No. 279,912
4 Claims. (Cl. 252—107)

1. A germicidal soap composition comprising the combination of a soap base having a moisture content within the range of 0.3% to 20% with finely divided crystals of an aromatic sulphon chloramide selected from the group consisting of Chloramine-T Chloramine-B and D-chloramine-T dispersed throughout the soap, said aromatic sulphon chloramide crystals being coated with mineral oil and being in such proportion as to release from 11.5% to 13% of chlorine by weight thereof when Chloramine-T is used, from 13% to 14.5% of chlorine by weight thereof when Chloramine-B is used, and from 28% to 30% of chlorine by weight thereof when Di-chloramine-T is used, when the composition is in contact with water.

2,296,122
INDIRECT COMPRESSION REFRIGERATION MECHANISM
Rizzieri Squassoni, Sao Paulo, Brazil
Application August 8, 1941, Serial No. 406,052
In Brazil December 24, 1939
11 Claims. (Cl. 230—45)

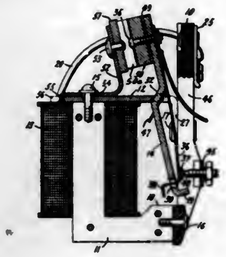


1. In compression mechanism, a hermetically sealed housing having a reservoir for lubricating liquid in its base, a frame in the housing, a supporting member carried by the frame for rotation about a vertical axis, said supporting member being provided with an axial passageway constituting a venturi, a nozzle directed into said passageway for introducing a stream of lubricating liquid into said venturi, a fluid conduit communicating with said venturi and said nozzle for the induction of fluid into said venturi under the influence of said stream of lubricating liquid, a motor including a stator carried by the frame and a rotor including a vertical shaft, said rotor shaft carried by said supporting member, and a rotary pump connected to the rotor shaft for supplying said nozzle with liquid from said reservoir.

2,296,123
ELECTRORESPONSIVE DEVICE
Allen G. Stimson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 18, 1941, Serial No. 379,514
5 Claims. (Cl. 175—345)

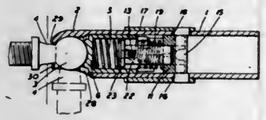
2. In an electromagnetic relay, a substantially

flat horizontally positioned frame member provided with a slot having an undercut bevelled edge, an armature comprising two substantially flat parallel end portions joined by an angularly positioned offset portion, abutments formed at opposite sides of said armature intermediate the ends of said offset portion and arranged to seat upon the top of said frame member at the ends of said slot, the angularity of said offset portion and of said bevelled edge being approximately the same, biasing means exerting a substantially



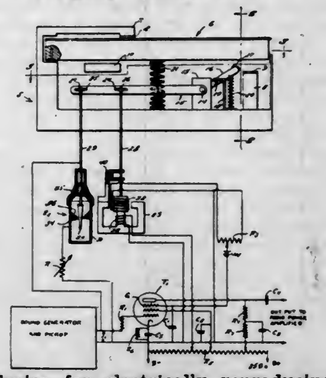
horizontal force upon the upper end of said armature in a direction to bring said offset portion into engagement with said undercut bevelled edge, and latching means attached to said armature and engaging said frame member to maintain the engagement between said abutments and the top of said frame member, said latching means comprising a plurality of hooked ears extending along the surface of said offset portion and engaging said frame member adjacent the ends of said slot.

2,296,124
BALL JOINT
René Tampier, Cricklewood, London, England
Application May 31, 1940, Serial No. 338,215
In Great Britain June 17, 1939
1 Claim. (Cl. 287—90)



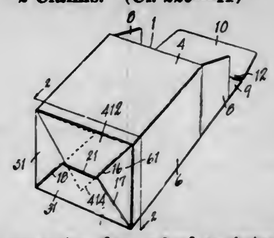
In a ball joint, a casing having a socket, said socket having two apertures in its wall, one of which is offset and the other axial, relatively to the casing, said axial aperture being of smaller diameter than the ball but large enough to permit the ball spindle to pass therethrough, and said offset aperture having a diameter large enough to permit the ball to be passed therethrough, said two apertures being connected by a slot, a ball adapted to be located in said socket, a spindle on one end of which the ball is carried and the other end of which is screw threaded to constitute a connecting element, said spindle being movable in said slot and adapted to project through either the offset or radial aperture, spring-pressed means for resiliently holding the ball in the socket, locking means acting normally to retain the ball in the socket, and a sleeve rotatably mounted on the said casing and operatively connected to said locking means, operation of said sleeve permitting of removing the lock on the ball when it is desired to remove it from the socket.

2,296,125
AUTOMATIC VOLUME CONTROL FOR KEYBOARD OPERATED MUSICAL INSTRUMENTS
John L. Traub, Henning, Minn.
Application May 6, 1941, Serial No. 392,148
5 Claims. (Cl. 84—1.27)



1. A device for electrically reproducing and amplifying the sound of a keyboard musical instrument caused by depression of one of the keys thereof in accordance with the amount that the key is depressed, said device comprising an electrical pick-up and an audio amplifier operated thereby, a variable resistor connected in circuit between the output of said pick-up and said amplifier to vary the input to the amplifier, said resistor comprising an element movable to vary the capacity of the resistor, and mechanical means operatively connecting said key with said movable element, said amplifier comprising an electronic amplifier tube having a suppressor grid, and compensating means comprising a connection with said movable member, said compensating means being effective upon movement of said movable member in one direction to impress a positive voltage on said suppressor grid and in the opposite direction to impress a negative voltage on said suppressor grid, to equalize the volume output of said amplifier during variations in capacity of said variable resistor due to the movement of said key toward and away from its maximum depressed position.

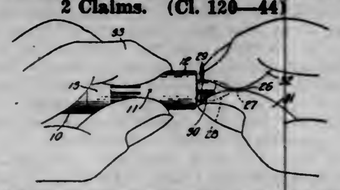
2,296,126
AUTOMATIC SETUP BOX OR CARTON
Fred J. Ulrich, Kalamazoo, Mich., assignor of one-half to Leo A. Fordon, Detroit, Mich.
Application November 9, 1939, Serial No. 303,593
2 Claims. (Cl. 229—41)



1. A box or carton formed of an integral blank comprising alined side wall members, the ends of the blank being joined to provide a tubular side wall unit, the side wall members being hingedly connected for collapsing, each side wall member being provided with an end member ex-

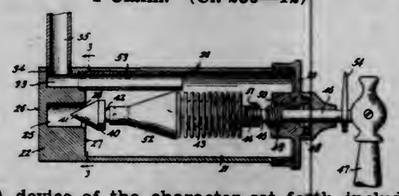
tension hingedly connected thereto, the end members being hingedly connected to each other, one end member being of substantially the full transverse dimensions of the erected box and constituting an inner end member, other non-adjacent end members of the blank having diagonally disposed hinging portions disposed in angular relation to each other, the remaining end member of the blank having a diagonally disposed hinging portion disposed in parallel relation to the hinging portion of the adjacent end member, the said end members having the parallel hinging portions being collapsible on each other when in the form of the unit and having portions thereof adjacent their mutual hinging portion adhesively secured together, the said inner end member and the other end member having the diagonal hinging portion being collapsible on each other and having portions thereof adjacent their mutual hinging portion adhesively secured together whereby the box with the parts thereof so secured may be collapsed and may be erected by pressure upon the side edges of the collapsed structure and the end members automatically swung to erected position.

2,296,127
STYLOGRAPHIC PEN
Joseph Wallace, Cedarhurst, N. Y.
Application March 6, 1942, Serial No. 433,618
2 Claims. (Cl. 120—44)



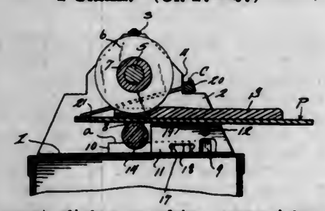
1. The combination with a stylographic pen, of a nozzle comprising an elongated tubular body, one end portion of the body having enlarged externally threaded means for attaching and detaching said nozzle with the pen, the other outer end portion of said body being tapered and supporting a tubular pen point, and said body intermediate said ends thereof having an area of external irregular contour facilitating firm gripping of said nozzle in attaching and detaching the same with respect to the fountain pen.

2,296,128
THERMOSTATICALLY CONTROLLED MIXING FAUCET
Abraham Weingarten, Bronx, N. Y.
Application March 17, 1941, Serial No. 383,781
1 Claim. (Cl. 236—12)



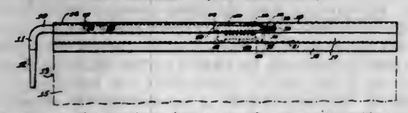
A device of the character set forth including a tubular body defining a mixing chamber, a head at the rear end of the body having circumferentially spaced radially disposed ports respectively defining hot and cold water inlets and a mixed water outlet, said head having axially extending passages communicating with the ports respectively and opening at the forward ends thereof into the mixing chamber, the axial passage of the hot water inlet being arranged centrally of the head, a valve seat formed on the head at the forward end of the hot water passage, a removable closure cap covering the forward end of the body and a valve assembly carried by said cap and removable therewith as a unit from the tubular body, said valve assembly including a valve stem extending centrally through the cap in alignment with the hot water passage and axially adjustable with reference to the cap upon rotation thereof, an axially expansible and contractible thermostat carried by the rear end of said stem and a valve element carried by the rear end of said thermostat manually adjustable by rotation of the valve stem towards and away from the valve seat and automatically movable towards and away from the valve seat by the action of the thermostat.

2,296,129
MEAT TENDERER
Frank W. West, Bellefonte, Pa.
Application November 30, 1940, Serial No. 368,078
1 Claim. (Cl. 17—27)



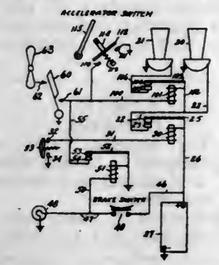
In a meat slicing machine comprising a base member, upstanding end members mounted upon the base member and having opposite alined bearings adapted to receive a rotary shaft having a gang of circular knives thereon, the said end members having vertically directed slots therethrough directly below the bearings, a supporting roll having trunnions upon each end which are slidably mounted within the slots, the said end members also having horizontally directed guide grooves within their inner faces which are in communication with the vertical slots, elongated independent supporting roll adjusting slides slidably mounted within the guide grooves and carrying inwardly directed operating handles, and slide retaining plates secured to the inner faces of the end members, said retaining plates having elongated slots within their lower portions through which the operating handles of the slides extend and the top marginal edges of the retaining plates being provided with inwardly disposed supporting flanges, and a meat carrying plate resting upon the supporting roll and the inwardly disposed supporting flanges of the retaining plates.

2,296,130
VISOR STRUCTURE
Frederick J. Westrope, Pleasant Ridge, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application April 26, 1941, Serial No. 390,580
13 Claims. (Cl. 296—97)



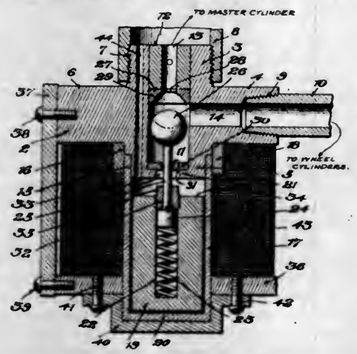
1. In a visor structure, a visor-supporting rod having a tapered portion thereon, a correspondingly tapered member nesting with said tapered portion, a visor slidably mounted on said rod and tapered member, and yielding means disposed between said visor and said tapered member for preventing rattling therebetween.

2,296,131
HORN CONTROL CIRCUIT
Joe White, Anderson, and John W. Falconer, Middletown, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 26, 1939, Serial No. 275,895
11 Claims. (Cl. 177—7)



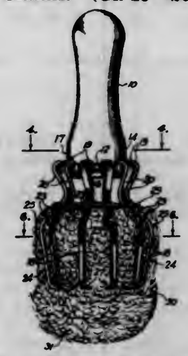
1. A horn control system for automobiles comprising a current source, a series circuit comprising the current source, a manually controlled switch and a low volume horn, a circuit in series with the manually controlled switch and in parallel with the low volume horn and comprising a pair of normally open relay contacts and a high volume horn and a second circuit in series with the manually controlled switch and in parallel with the low volume horn and comprising an electromagnet coil for closing the relay contacts and a normally open switch closed automatically in response to a condition of vehicle operation.

2,296,132
MAGNETIC CHECK AND RELEASE VALVE
Don C. Wiseley, Los Angeles, Calif.
Application May 15, 1939, Serial No. 273,743
4 Claims. (Cl. 137—139)



1. A valve device of the kind described comprising a body having pressure fluid inlet and outlet, a port between said inlet and outlet, a valve for controlling said port, a cup member, an annular electro-magnetic coil around said cup member, a spool end at one end of said coil surrounding said cup member, a yoke between said body and said spool end, a plunger in said cup forming the armature for said electro-magnetic coil, a yieldable connection between said plunger and said valve and a dished ring, secured to said spool end in which the bottom of said cup member is nested.

2,296,133
HOLDER
Daniel D. Wolfe, Kansas City, Mo.
Application December 4, 1939, Serial No. 307,453
4 Claims. (Cl. 15—209)



3. In a holder of the character described, a handle having a portion of substantially uniform diameter at and adjacent one end thereof, a metallic ring embracing said portion of said handle near said end, said ring having a series of duplicate equally spaced offsets therein providing an annular series of uniformly spaced pivot bars on said handle spaced therefrom, an annular series of gripping members each having an eye formed at one end thereof engaging one of said bars pivotally, the portions of said ring between said offsets engaging said handle to confine said eyes and hold said gripping members in predetermined spaced relationship in said series, the body portions of said gripping members extending from the sides of said eye portions remote from said handle to permit free swinging movement of said gripping members about the pivotal mounting thereof, said gripping members collectively forming an unobstructed cage-like receptacle having a neck portion adjacent said handle at one end thereof and inwardly directed prongs at the other end thereof, and a portion of much greater diameter than said handle therebetween, the spacing of said gripping members in said series being so close as to prevent escape of a pad of compressible material from said receptacle, and an adjusting member interengageable with said gripping members to vary the diameter of said receptacle and the spacing of said prongs.

2,296,134
ELECTRIC POWER-DRIVEN RAZOR
Clifton C. Wright, Chicago, Ill.
Application April 7, 1939, Serial No. 266,468
9 Claims. (Cl. 30—43)

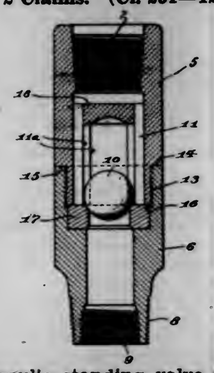
8. In a razor, a hollow head having numerous small openings for the reception of hairs extending through and distributed lengthwise of a wall thereof, a receptacle member arranged within and movable lengthwise of said head, a series of individual blades mounted in said member for edge contact with said wall in the zone containing said openings and for movements from and

toward said wall, means carried by said member yieldingly to press said blades individually



against said plate, and means to reciprocate said member.

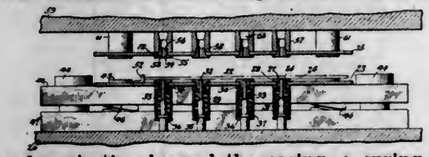
2,296,135
HYDRAULIC VOLUME STANDING VALVE
William O. Batson and Howard B. Harris, Garber, Okla.
Application May 28, 1940, Serial No. 337,649
2 Claims. (Cl. 251—121)



1. A hydraulic standing valve comprising interconnected upper and lower sections, the latter section being provided with an opening therethrough, a valve seat mounted in the upper end of said opening, a drop valve operable within said upper section and cooperable with said seat to control the flow of fluid through said standing valve, a plurality of spaced radial guides borne by and extending inwardly from the internal wall of said upper section to present longitudinally disposed passages for the flow of a fluid around said drop valve, the edges of said guides being apiculated and contacting said drop valve to provide a minimum of bearing surface for the travel of the latter, and means for limiting the upward travel of said drop valve, said means being borne by the apiculated edges of said guides whereby uninterrupted passages are formed along their entire lengths.

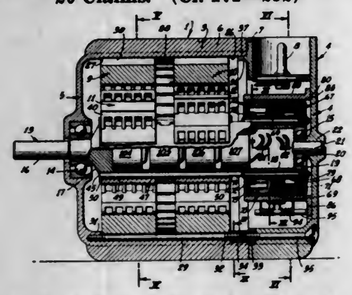
2,296,136
APPARATUS FOR PERFORATING SHEET MATERIAL
Marley E. Bechtel, Kenmore, N. Y., assignor to Irene N. Bechtel, Kenmore, N. Y.
Application February 13, 1942, Serial No. 430,774
7 Claims. (Cl. 164—90)

1. A perforating apparatus comprising a supporting plate provided with an opening, a guide tube arranged in said opening and provided at one end with a flange engaging one side of said plate, a casing connected by a screw joint with the other end of said guide tube and bearing against the opposite side of said plate and provided with front and rear shoulders, a punch having a bit at its front end sliding in said guide tube and having its body arranged in said casing and provided with a shoulder engaging with the rear shoulder on the casing and having its rear



end projecting beyond the casing, a spring arranged in the casing and bearing at one end against the front shoulder of the casing and bearing at its opposite end against a shoulder on said punch, and a die cooperating with said punch.

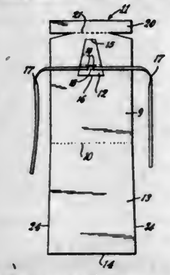
2,296,137
DYNAMO
Alex Bertea, Los Angeles, Calif., assignor, by mesne assignments, to Bertea Products, Glendale, Calif., a copartnership composed of Alex Bertea and Ann Bertea
Application December 17, 1940, Serial No. 370,449
20 Claims. (Cl. 171—252)



11. In a dynamo, the combination of: a stationary field comprising a pair of field structures each of which includes an even number of field pole pieces disposed in uniform circumferential spaced relation to each other with the pole pieces of one of said structures disposed in axial alignment with the pole pieces of the other of said structures; an armature supported for rotation in said field comprising a pair of armature units each including said even number of armature pole pieces disposed in uniform circumferential spaced relation to each other with the armature pole pieces of one of said units circumferentially staggered relative to the armature pole pieces of the other of said units; a single circuit winding for said field connected to a source of electric power and so arranged as to induce a magnetic polarity in each of said poles opposite to the polarity induced in circumferentially adjacent field poles; a single circuit armature winding for each of said armature units, said armature windings being so arranged as to induce in each armature pole a magnetic polarity opposite to that induced in circumferentially adjacent armature poles upon the passage of an electric current through said armature windings; commutating means carried by said armature and connected between each of said armature windings and a source of electric power for first disconnecting said armature windings from said source of power and then re-connecting said windings for a reverse direction of current flow therethrough upon the movement of the

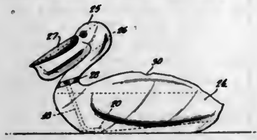
armature poles associated with said armature winding past each of said field pole pieces of the corresponding field structure; condenser means connected in parallel with each of said armature windings; and a pair of condenser means interconnecting corresponding ends of both of said armature windings.

2,296,138
GARMENT-PACKAGE BOARD
Leonard J. Bezark, Chicago, Ill.
Application July 31, 1939, Serial No. 287,436
10 Claims. (Cl. 223—71)



1. A packaged garment comprising a garment folded upon itself to provide two superimposed sections and a fold joining them, a stiffening core board coincidentally folded in two portions with free ends and located within the outer confines of said sections, said portions extending from their fold toward the other ends of said sections, one of said portions having its free end provided as a collar-support and being associated with the collar end of the garment, a tongue struck from said core board within the said collar end and positioned and adapted to include one of said sections and portions between the tongue and the body of the core board, and means providing a band holding down said tongue and encircling the garment.

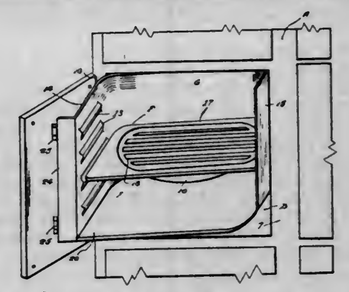
2,296,139
CONTAINER
Farnham Blair, Washington, D. C.
Application December 1, 1941, Serial No. 421,229
12 Claims. (Cl. 35—59)



1. A container for a colored liquid cosmetic comprising a hollow body part, a closure for the container of greater length than width having a recess extending within and in the direction of the length of the closure adapted to receive a finger, the top of the closure having a portion of the size and shape of a finger nail and the color of the liquid contents when applied.

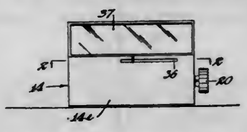
2,296,140
SWING-OUT BROILER
Almer H. Brodbeck, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application February 7, 1940, Serial No. 317,754
11 Claims. (Cl. 126—340)

1. In a range, a broiling oven having a door opening at one side thereof, a door pivotally mounted at one side of said opening to swing in a horizontal plane and adapted to close said opening, a carrier within said oven provided with side supports in separated relationship, a broiling grid or pan mounted on said carrier supports, one carrier support being disposed adjacent the door opening of said oven and the front end of said broiling grid or pan being disposed adjacent that oven side wall nearest the free end of said oven door, means pivotally interconnecting the inner



side of said door and said adjacent carrier support, a trackway within said oven, a combined carrier support and guide means movable over said trackway, and said trackway extending from front to rear of said oven and upon the opening of said oven door guiding said carrier in a manner to prevent said carrier or the broiling grid and pan therein from engaging the walls defining said oven and to position the front edge or end of said broiling grid or pan at and beyond the front of the range, for the purpose described.

2,296,141
SELECTIVE INDICATING AND DISPLAY DEVICE
Earl E. Brown and Ernest A. Anderson, Minneapolis, and William H. Schaper, Robbinsdale, Minn.
Application May 1, 1940, Serial No. 332,768
8 Claims. (Cl. 88—27)



1. Display apparatus comprising, a generally cylindrical hollow member, a plurality of indicia-bearing sheets of light-transmissive material of respectively similar dimensions carried by said member and arranged thereon in a circumferentially extending series of axially extending rows thereof, an outwardly directed light source within said member and a lens outside said member disposed on a common axis for projection of an image of the indicia on one of said sheets outwardly through said lens, a structure rigidly carrying said light source and said lens and being adjustively movable longitudinally of said member means for selectively moving said structure for aligning and maintaining said axis with any selected one of the respective circumferentially extending rows of said sheets, said member being adjustively rotatable for aligning any selected one of the respective axially extending rows of said sheets with said axis, selectively operated means for effecting desired rotation to make said desired alignment and an image-receiving screen situated outwardly of said member from said lens.

2,296,142
PACKAGING MACHINERY
Samuel J. Campbell, Green Bay, Wis.
Application August 2, 1940, Serial No. 349,877
17 Claims. (Cl. 93—3)



1. The combination with means for feeding articles to be wrapped, a cut-off knife, and means for operating the cut-off knife periodically across a predetermined path in synchronism with the rate at which articles are supplied, of means for supplying a patterned wrapper, means for tubing the wrapper about the articles to be wrapped and advancing the wrapper and the enfolded articles on said path past the cut-off knife, and mechanism for synchronizing the feed of the wrapper to the rate at which articles to be wrapped are supplied by said first mentioned means.

2,296,143
POULTRY FEEDER
John J. Carmo, Billerica, Mass.
Application June 1, 1940, Serial No. 338,317
6 Claims. (Cl. 119—55)



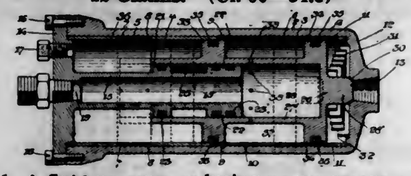
1. A poultry feeder comprising a feed trough, a feed hopper positioned over said trough, a rock shaft extending from one end of said trough, a platform carried by said rock shaft of an area sufficient to readily accommodate a single bird thereon, means for limiting the angular movement of said platform whereby said platform may be moved by a single bird walking thereon, feed agitating mechanism positioned under said feed hopper, and means operated by movement of said platform for causing movement of said agitating mechanism when said platform is moved through a limited distance.

2,296,144
HINGE ASSEMBLY
Harold Cohen, Elizabeth, N. J.
Application January 10, 1942, Serial No. 426,267
3 Claims. (Cl. 94—36)



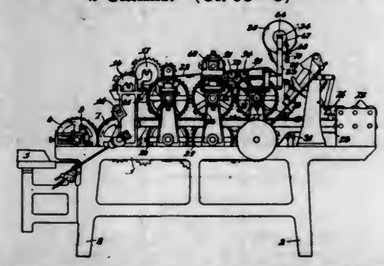
1. The combination with a movable closure member, of guide means adjacent one end of the movable member, and a fixed guide track extending substantially the entire length of the opening controlled by said closure member, said track being cooperable with said guide means in the movement of the closure member to open and closed position, said track having an angularly disposed end portion to help initiate the movement of the closure member.

2,296,145
PRESSURE REDUCING MEANS
Niels A. Christensen, Cleveland, Ohio
Application September 6, 1939, Serial No. 293,548
12 Claims. (Cl. 60—54.6)



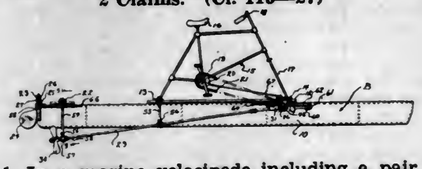
1. A fluid pressure reducing power means comprising a cylinder having an inlet and outlet, a telescopic piston having an internal chamber of variable volume shiftable in said cylinder and being in communication with said inlet whereby fluid pressure exerted within the piston will effect a reduced continuing pressure on said fluid within said cylinder and outlet, and means in said piston for permitting fluid to pass from the chamber to the cylinder and outlet near the end of the projectile stroke of said piston.

2,296,146
APPARATUS FOR APPLYING SUPPLEMENTAL MEMBERS TO BAG ENDS
Harry H. Crawford, Wellsburg, W. Va., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application December 21, 1939, Serial No. 310,293
2 Claims. (Cl. 93—8)



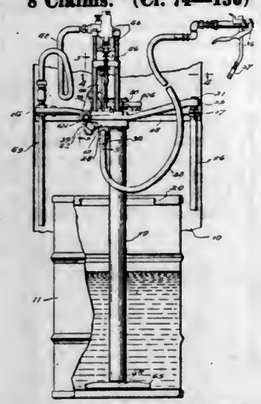
1. Apparatus of the character described comprising means for spreading apart the two sides of an end of a bag and folding the corners inwardly over the spread apart sides, means for applying adhesive to areas of the folded sides and corners, mechanism for depositing a supplemental extension to one of said folded corners comprising a spool of tape from which the extension is formed, continuously operated feed rolls for furnishing tape to a continuously actuated shear, means for conducting a severed length of tape forming the extension to the deposition means, said deposition means comprising a rotating shaft to which is fixed a segmental shoe, tape engaging means borne by said shoe, a rocker arm journaled in bearings fixed to said shaft and having a rocker arm fixed to one end thereof and operable over a fixed cam, a member borne by said rocker arm adapted to contact the tape engaging means, said rocker arm, rocker shaft and member being adapted to be moved by said cam during rotation of the rotating shaft to a position where they actuate said tape engaging means so that the latter protrude from the periphery of the shoe to engage the severed section of tape and attach the latter to the shoe at one station of its rotation, and other means for retracting said tape engaging means at another station of its rotation so as to release the tape from the shoe and permit it to be deposited by the rotating shoe in the adhesive on one of the folded corners of the bag.

2,296,147
MARINE VELOCIPEDE
George F. Cremer, Milwaukee, Wis.
Application November 22, 1940, Serial No. 366,663
2 Claims. (Cl. 115—27)



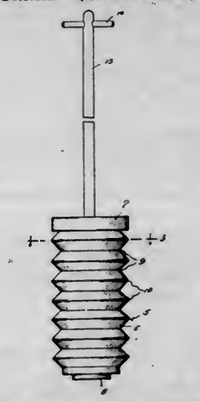
1. In a marine velocipede including a pair of similar hulls, cross braces connecting said hulls together, and a seat, a steering post, and a crank pedal shaft carried by the braces, a propeller shaft arranged between said hulls, a supporting plate rigidly secured to one of the cross braces having a longitudinally extending arcuate guide, a hanger casting including right-angularly extending bearing sleeves and an arcuate guide wall slidably fitted in said guide, means adjustably connecting the arcuate guide wall to said supporting bracket, bearings in said bearing sleeves, the forward end of the propeller shaft being fitted in one bearing sleeve and a drive shaft fitted in the other of said bearing sleeves, means carried by the sleeves for lubricating the bearings, means operatively connecting the drive shaft with the propeller shaft, and means operatively connecting the drive shaft with the pedal crankshaft.

2,296,148
LUBRICATING APPARATUS
Ernest W. Davis, River Forest, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 13, 1940, Serial No. 356,631
8 Claims. (Cl. 74—130)



1. In a lubricant compressor having a motor with a reciprocatory part, and a rotary priming mechanism, an intermittent driving mechanism for said rotary priming mechanism comprising a gear, a one way driving connection between said gear and said priming mechanism, a rack meshing with said gear, a bell crank lever pivoted at its upper end to said reciprocatory part and at its lower end to said rack, a pivoted arm having its free end pivotally connected to the intermediate part of said bell crank lever, said bell crank lever and arm causing said rack to be horizontally reciprocated when the motor is operating.

2,296,149
CLOTHES PLUNGER
Frank B. De France, New York, N. Y.
Application October 6, 1941, Serial No. 413,839
1 Claim. (Cl. 68—215)

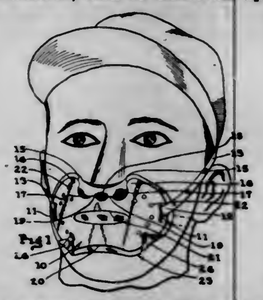


In a clothes plunger, a rigid cylinder having accordion type corrugations extending substantially from end to end thereof and providing a series of equally spaced annular ribs and deep annular grooves to provide a maximum amount of agitation of fluid and articles submerged therein when moved within said fluid in upward and downward directions, closure heads secured to the ends of the cylinder to render the latter buoyant in the fluid and to provide extensions to the cylinder for cooperation with the ribs and grooves in the agitation of the fluid, one of said heads having external diameters of different sizes and each diameter being smaller than the diameter of the ribs and the other head having an opening located centrally thereof and axially of the cylinder, a threaded sleeve formed on an inner face of the latter-named head about the opening and extending into one end of the cylinder, and a handle having one end threaded in the sleeve and entering the latter by way of the opening.

2,296,150
RESPIRATOR MEANS
Charles H. Dockson, Detroit, and Harold S. Davis, Grosse Pointe Park, Mich., assignors to The Martindale Electric Company, Lakewood, Ohio, a corporation of Ohio
Application December 2, 1937, Serial No. 177,736
5 Claims. (Cl. 128—146)

1. Respirator means, comprising: plate means, adapted to fit that portion of the face of a wearer adjacent the nose, said plate means having a recess adapted to pass the nose, the defining margin of said recess being so formed to provide a pair of projections spaced-apart a distance substantially corresponding to the spacing of the nostrils of a wearer; means pervious to air, adapted to be interposed between said plate means and the face of a wearer and to overlie the nostrils of the wearer when said respirator means is in operative position; and means for holding said respirator means in operative position on the face of a wearer, said holding means

being constructed and arranged to engage the head of the wearer, and to exert an upward pull



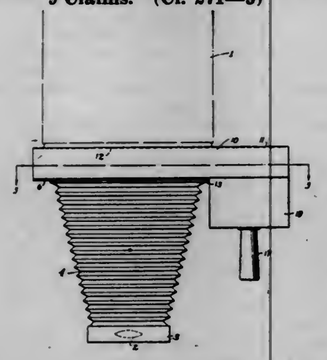
on said plate means, so that said projections urge portions of said pervious means into the respective nostrils of a wearer.

2,296,151
SIGNAL LAMP UNIT
Samuel M. Dover, Chicago, Ill.
Application April 1, 1940, Serial No. 327,173
3 Claims. (Cl. 177—329)



1. A light unit comprising a comparatively long and narrow body of flexible rubber-like material having a plurality of spaced holes therein for receiving electric lamp bulbs, circuit connections embedded in the body and extending to the holes and comprising two superposed metallic strips separated from one another throughout their entire length, one of said strips comprising a flat, narrow, metal sheet having a hole therein opposite each of the holes in said body for permitting the base of an electric light bulb to extend therethrough into contact with the other strip, said other strip comprising a flexible braid to facilitate flexing of the unit, said one strip having a peripheral flange around the hole forming a socket for the stem of the light bulb.

2,296,152
DEVICE FOR HANDLING PHOTOGRAPHIC NEGATIVES
John H. Downing, Cleveland, Ohio
Application November 20, 1940, Serial No. 366,392
9 Claims. (Cl. 271—5)

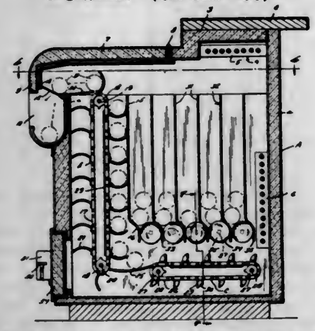


1. A device for the purposes described, comprising a body member having a printing window therein, a magazine, constantly acting means associated with the magazine and adapted to present the top of a stack of photographic negatives serially into a predetermined position substantially in the plane of the window, a carrier, means supporting the carrier for movement normal to the plane of the window and for movement parallel to said plane, two lifting devices mounted on the carrier and spaced apart so that when the carrier is moved to dispose one of said devices adjacent the magazine, the other device is moved adjacent the window, and the said other device moved away from the window when the carrier is moved to dispose said one device adjacent the window, means for rendering both devices operative to attach themselves to negatives, respectively, when the devices are moved normal to the plane of the window to a starting position wherein the said one device is adjacent the magazine and also while the devices are moved to transfer respective negatives from the magazine to the window and from the window to a point remote from the window and for rendering said devices inoperative in the latter positions whereby to release negatives in said latter positions.

2,296,153
CHROMABLE DYESTUFFS OF THE TRIARYLMETHANE SERIES AND PROCESS OF PREPARING THEM
Wilhelm Eckert and Karl Schilling, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 20, 1940, Serial No. 319,910. In Germany March 15, 1939
13 Claims. (Cl. 260—336)

1. The process which comprises causing a compound of the group consisting of 3.6-dihalogen-4'-hydroxy-5'-carboxy fluoran and the isomeric 3.6-dihalogen-5'-hydroxy-4'-carboxy-fluoran and 3.6-dihalogen-3'-hydroxy-4'-carboxy-fluoran and the isomeric 3.6-dihalogen-6'-hydroxy-5'-carboxy-fluoran and mixtures of these isomeric compounds to react with a compound of the group consisting of ammonia and aliphatic, aromatic, hydroaromatic and heterocyclic primary and secondary amino compounds.

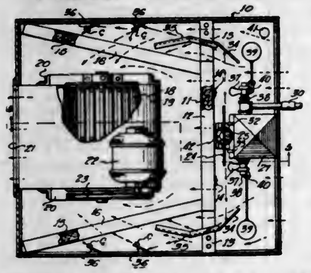
2,296,154
BOTTLE DISPENSING AND COOLING APPARATUS
Thomas S. Elliott, Sr., Norfolk, Va.; Thelma Elliott Evans, administratrix of said Thomas S. Elliott, Sr., deceased, assignor of one-half to Birdie Lee Beem, Norfolk, Va.
Application April 30, 1941, Serial No. 391,184
5 Claims. (Cl. 312—36)



1. In a bottle cooling and dispensing apparatus,

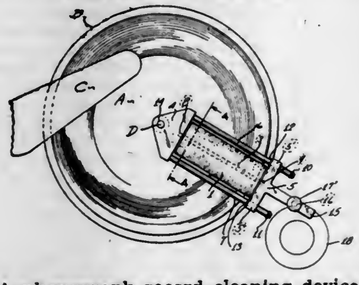
a refrigerator casing, vertical dividers in the casing forming vertically arranged chutes for receiving bottles and holding the bottles in vertical rows, conveying means in the bottom of the casing below the chutes, delivery means at the top of the casing at one side thereof and including a discharge opening at the upper portion of the casing, elevator means for taking bottles from the conveying means and delivering them to the delivery means, means for delivering the bottom bottles from the chutes in succession to the conveyor means and means for operating the conveying means, the delivery means at the bottom of the chutes and the elevator.

2,296,155
EVAPORATIVE AIR COOLER AND HUMIDIFIER
Archie S. Feinberg, Dallas, Tex.
Application October 16, 1941, Serial No. 415,171
9 Claims. (Cl. 261—90)



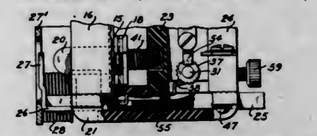
1. An evaporative air cooler and humidifier including a cabinet having an air inlet and an air discharge opening, means to effect movement of air through said cabinet, an air filter mat disposed in transverse relation to the stream of air through said cabinet, analogous mats disposed on either side of said first mat in angular relation thereto and to said air stream, a spray disc confronting said first mat, means for rotating said disc, means for projecting streams of water onto the rear face of said disc under pressure to effect centrifugal discharge thereof off said disc and baffle means disposed on either side of said first mat and in the line of discharge of said disc to deflect said discharge onto said angularly disposed mats.

2,296,156
ATTACHMENT FOR RECORD-PRODUCING MECHANISM
William R. Fuller, St. Louis, Mo.
Application June 11, 1941, Serial No. 397,530
3 Claims. (Cl. 274—47)



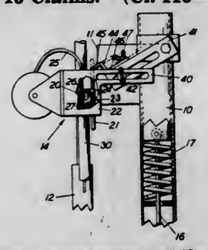
1. A phonograph record cleaning device comprising a cylindrical brush provided with bristles, a framework rotatably supporting said brush above the phonograph record, said framework and the brush supported thereby being so positioned with respect to the phonograph record that the contact of the bristles with the revolving phonograph record will subject the brush to rotary motion, said bristles being so positioned as to remove waste material from said record, said framework including at one end a weighted member for engagement with said record, a transverse member at its opposite end, and side members slidably engaged with said transverse member, said transverse member being provided with means for holding said framework and said brush in adjusted position above said record.

2,296,157
THERMAL OVERLOAD DEVICE
William C. Furnas, West Allis, and Daniel G. Spotts, Milwaukee, Wis.; said Spotts assignor of his right to William C. Furnas, doing business as Furnas Electric Company, West Allis, Wis.
Application October 14, 1940, Serial No. 361,082
12 Claims. (Cl. 200—124)



1. In combination, a switch having a frame and several independent simultaneously reciprocable contacts mounted upon said frame for controlling the flow of electric current through separate lines of a circuit, an overload heating coil interposed in each of said lines, said coils being disposed concentric with a common axis, an element slidable upon said frame transversely of said axis and being cooperable with said contacts to interrupt all of said lines, a shaft disposed concentrically of said coils and having sleeves secured thereto by means of low temperature fusible material, a ratchet connecting one of said sleeves with said slidable element, and means positively and rigidly connecting another of said sleeves with said frame.

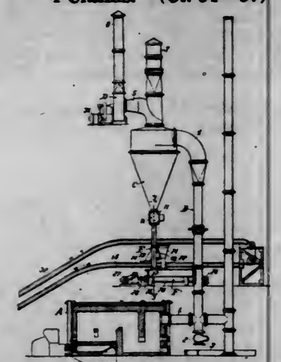
2,296,158
SOLDERING APPARATUS
Howard J. Gardner, Hawthorne, Calif.
Application September 11, 1940, Serial No. 356,262
13 Claims. (Cl. 113—94)



1. A soldering apparatus of the class described which includes: a support; a carrier reciprocably mounted on said support; mechanical means for moving said carrier; a soldering iron attached to said carrier and moved therewith; a supply of relatively flexible solder; means attached to said carrier for advancing said solder; means attached to said carrier for guiding said

solder from said advancing means to the tip of said soldering iron; a slotted arm rigidly connected to said carrier and extending therefrom toward said support; a slotted lever pivotally attached to said support; a member extending through said slots and pivotally connecting said slotted arm and said slotted lever; and a member attached to said slotted lever and adapted to actuate said solder advancing means when said carrier is moved with respect to said support.

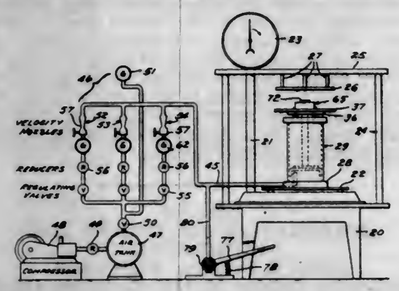
2,296,159
DRYING APPARATUS
Charles William Gordon, Glen Ellyn, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware
Application January 29, 1940, Serial No. 316,205
4 Claims. (Cl. 34—57)



3. Apparatus for drying coal of mixed weights and sizes comprising a vertical drying conduit, a mixer discharging into said conduit at a height intermediate the length of the conduit, a source of hot gas, a pipe discharging hot gas from the source into the conduit at a point above the lower end of the conduit and below the inlet for coal from the mixer, a separator, means for causing the hot gases to flow upwardly through the drying conduit carrying the lighter coal particles into the separator, means for discharging a selected portion of the dried coal from the separator back into the mixer, means for feeding wet coal into the mixer, means in the mixer for mixing the wet and dried coal and introducing same into the upwardly flowing hot gases in the conduit, the lighter particles of coal being carried up in the gas stream into the separator and the heavier portion falling back through the gas stream to the lower end of the conduit, and a controllable outlet at the lower end of the conduit for recovering the larger dried portions of the coal.

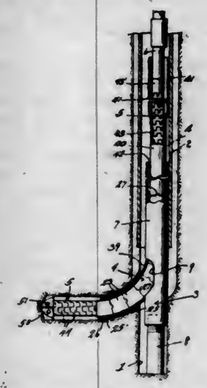
2,296,160
TESTING SHEET MATERIALS
Theodore J. Gross, Baldwin, N. Y., assignor to Container Testing Laboratories, New York, N. Y., a corporation of New York
Application June 15, 1940, Serial No. 340,635
2 Claims. (Cl. 265—14)

1. Testing apparatus comprising a pair of relatively movable plates, pneumatically operated means for moving one of said plates and for applying pressure to a test piece between said plates and means for automatically regulating the rate of application of pressure comprising a source of air under pressure, a plurality of supply lines between the source of air under pressure and the pressure applying means, each supply line including: a valve, means for reducing the air pressure from said source to a predetermined pressure different for each supply line, and a velocity control nozzle for supplying the air under said



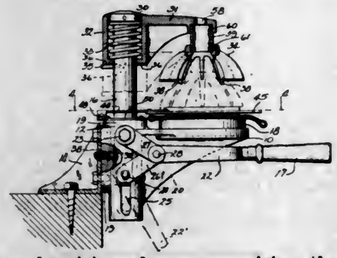
predetermined pressure to the pressure applying means to increase the pressure therein at a predetermined uniform rate; and means indicating the pressure exerted by the first mentioned means upon the test piece.

2,296,161
LATERAL DRILL FOR WELLS
James D. Hall, Jr., Cleburne, Tex.
Application November 2, 1940, Serial No. 364,079
16 Claims. (Cl. 257—1.6)



11. A lateral drilling mechanism of the character stated, comprising a tubular casing designed to be vertically disposed in a well hole, the casing having a side wall opening, a tubular guide slidable through said casing, means in the casing for directing the guide laterally through said opening, said guide comprising a plurality of hingedly connected segments constructed and arranged whereby the guide may be turned laterally through an arcuate path, latching elements carried by the segments of the guide upon those sides thereof which are located upon the concave side of the arc of the path followed by the guide, means carried by the casing adjacent to said opening for actuating said latching elements to couple together the elements of adjacent segments as the guide is moved outwardly from the casing and to uncouple the latching elements of the adjacent segment as the guide is moved back into the casing, a flexible bit stem extending through the guide to the lower end thereof, and a bit carried upon said stem upon the outside of the said lower end of the guide.

2,296,162
QUICK ACTING CLAMP
Harold H. Hanson, Waupun, and William H. Sorenson, Fond du Lac, Wis., assignors to The Shaler Company, Waupun, Wis., a corporation of Wisconsin
Application August 5, 1939, Serial No. 288,474
17 Claims. (Cl. 18—18)



14. A vulcanizing clamp comprising the combination with mounting means providing an upright bearing and a horizontal platen, of a post slidable in the bearing, a lever pivoted to the mounting means and provided with a toggle link connection to the post for its vertical reciprocation, a clamping spider spaced above the platen, a head mounted on the post and carrying the spider, said head being slidable with respect to the post and provided with a biasing spring urging it toward said platen, said head likewise being swiveled upon the post and provided with detent means yieldably determining its angular position thereon in registry with the platen, a positioning mask intervening between said clamping spider and platen, and a removable upper platen complementary to the first mentioned platen and positioned for engagement by said spider, said mask having an aperture in which said upper platen is positioned.

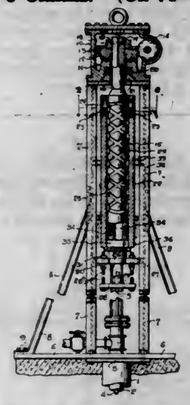
17. In a repair vulcanizer, the combination with a base platen having a work receiving face, of a work positioning mask, pintle means offset from said platen and substantially normal to the plane of said face, a mask mounting member movable about said pintle means in general parallelism with the plane of the face, a hinge connecting said mask and said member for relative pivotal movement upon an axis parallel to said face and at right angles to said pintle means, said mask being oscillatable with said member about said pintle means and hingedly movable with respect to said member to and from the face of said platen, and a spring normally urging the mask in the direction of the platen.

2,296,163
METHOD OF AND SPOUT FOR FILLING VALVE BAGS
Carl H. Hartman, New Rochelle, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application March 9, 1939, Serial No. 260,747
5 Claims. (Cl. 226—48)



2. A filling spout for a valve bag, said spout being provided with means to flatten the lower valve flap for a distance at least as wide as the opening through the spout and having a venting groove in its underside overlying the central fold line of the flap.

2,296,164
PUMP ROD ACTUATOR
Dee E. Humphrey, Dallas, Tex.
Application October 4, 1940, Serial No. 359,694
3 Claims. (Cl. 74—57)



1. Reciprocating apparatus for pump rods in a well, a frame mounted vertically above said well, a hollow grooved body rotatably suspended in said frame, each groove in said body forming a continuous double helix, a tubular member concentrically embracing said body and of greater length than the grooved portion of said body, a pair of tracers rotatably mounted in one end of said tubular member for relative angular reversement at their limit of travel and arranged in diametrically opposed relationship and receivable in the groove of said body to suspend the tubular member for extended rectilinear movement and return, the joint surfaces of said tracers in contiguous relationship with said body being equal to substantially three-fourths the circumference of said body, means carried by said tubular member and engageable with said frame to hold said tubular member against other than reciprocal movement and means carried by the lower ends of said latter member for suspending said pump rods for reciprocation when said grooved body is rotated whereby to elevate fluid through the latter.

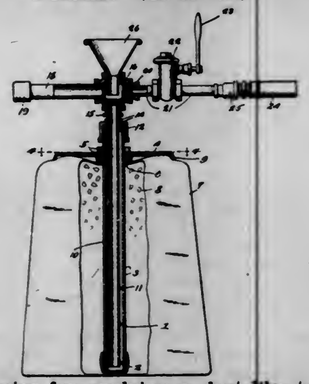
2,296,165
CORSET
Mack Kahn, Cedarhurst, N. Y., assignor to Artistic Foundations, Inc., New York, N. Y., a corporation of New York
Application July 20, 1940, Serial No. 346,536
3 Claims. (Cl. 2—30)



1. In a foundation garment of the character

described, a pair of front side panels, each panel being formed from a blank comprising a single piece of textile fabric having a body with one side edge substantially straight and the other side edge curved with the narrowest point near one end of the panel, said body at said one end merging into a pair of substantially radiating extensions projecting from the straight side of the panel, said extensions being adapted to be swung together to form a breast pocket.

2,296,166
SEED DUSTER
Frank A. Klein, Keota, Iowa
Application December 15, 1941, Serial No. 423,107
3 Claims. (Cl. 83—28)



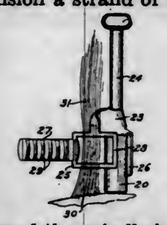
1. A device for applying a dust-like treating material to grain in a sack, comprising a tubular distributor having side wall perforations and closed at its lower end, a discharge tube in the distributor and having an open lower end disposed close to the closed lower end of the distributor, means for closing the upper end of the distributor, about the tube, means for admitting dust-like treating material to the tube at the will of an operator, means for supplying air under pressure to the upper part of the tube, at the will of an operator, and a spiral rib surrounding the lower portion of the tube, within the distributor, and constituting means for securing a dust discharge through the lower portion of the perforations, without checking too much the flow through the upper portion of the perforations.

2,296,167
ACYL DERIVATIVES OF VITAMIN B_6 AND PROCESS OF MAKING THE SAME
Richard Kuhn and Gerhard Wendt, Heidelberg, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 21, 1939, Serial No. 257,662. In Germany February 21, 1938
6 Claims. (Cl. 260—297)

1. Fat soluble vitamin B_6 preparations essentially consisting of therapeutically pure acetyl derivatives of vitamin B_6 concentrates.

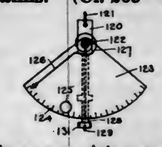
2,296,168
ART OF HAIR DRESSING
Hector L. Le Page, Milwaukee, Wis.
Application October 19, 1940, Serial No. 361,812
10 Claims. (Cl. 132—33)

1. In combination, a scalp engaging spindle directly abuttable against the scalp to retain the spindle fixed, a bracket having a lip revolvable about and in close proximity to said spindle to frictionally tension a strand of hair and to wind



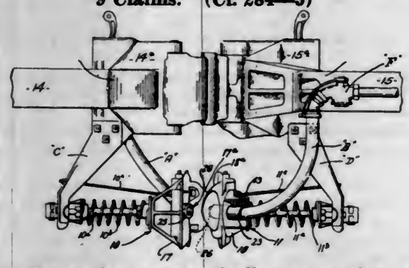
the strand around the spindle in a plane perpendicular to the spindle axis when said bracket is revolved, and means associated with said tensioning means for combing the hair of said strand during the winding operation.

2,296,169
HYDROMETER AND THE LIKE
Charles E. Linebarger, deceased, late of Chicago, Ill., by Charles E. Linebarger, Jr., administrator, Chicago, Ill.
Original application January 9, 1937, Serial No. 119,735. Divided and this application December 26, 1939, Serial No. 311,060
3 Claims. (Cl. 265—46)



1. A hydrometer comprising a support, a vane element comprising a scale sheet rotatably mounted on the support, a buoyant member mounted on the sheet, a scale pointer mounted on the support, and means responsive to variations in temperature of the liquid being tested for moving the pointer relative to the scale, substantially as described.

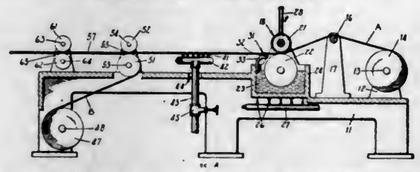
2,296,170
MEANS FOR AUTOMATICALLY CONNECTING AND DISCONNECTING FLUID PRESSURE PIPES OF CARS
Charles F. Lockhart, Cleveland, Ohio, assignor of one-half to Harry D. Williams, Cleveland, Ohio
Application May 6, 1941, Serial No. 392,105
9 Claims. (Cl. 284—5)



1. Means for automatically connecting and disconnecting the air brake pipes of cars, the said means comprising connector heads supported from the end portions of cars and each adapted to be brought into engagement with a like connector head on an adjacent car when

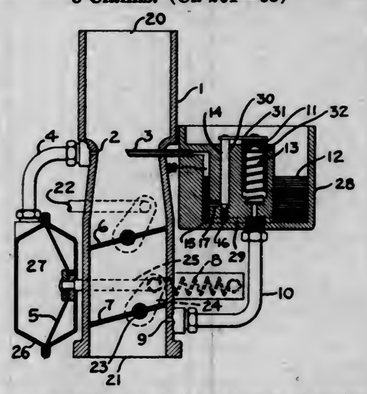
said cars are coupled, a duct connecting the brake pipe of each of said cars with each connector head, valve mechanism carried by each connector head for automatically permitting the flow of air from the brake pipe of one car to the brake pipe of another car through said ducts and heads when said cars are coupled, the said valve mechanism comprising a main control valve within the duct connected with each of said heads and adapted to be opened by the engagement of connector heads on cars so coupled and to be automatically closed by the separation of said connector heads due to uncoupling, an emergency valve mechanism carried by each of said connector heads and adapted to vent to the atmosphere, for a limited time, air in the brake pipe connected to said head, and thereafter to eliminate such venting operation, the said emergency valve mechanism comprising a housing having an equalizing chamber, there being a port connecting said chamber with the said duct, and the said chamber being provided with a port for venting the same to the atmosphere, the said housing also having an actuating chamber therein, a piston in said actuating chamber, a stem connected with said piston and extending into the first mentioned chamber, a valve on said stem adapted through the reciprocation of the piston to open and close the venting port, there being a port for supplying air from the duct into the actuating chamber thereby to move the actuating piston in a direction to cause the valve to uncover the venting port, the said actuating chamber being provided with means permitting seepage of air supplied thereto beyond said piston to the atmosphere, and means for automatically moving the stem and the actuating piston connected therewith in a direction to cause the valve to close the venting port when the pressure in said duct has been reduced to the desired extent.

2,296,171
METHOD OF PRODUCING SHEET MATERIAL
Donald G. Magill, Great Neck, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 13, 1939, Serial No. 304,275
2 Claims. (Cl. 154—40)



1. A method of producing laminated sheets for the manufacture of moistureproof fibre containers having an inner impervious layer sheet, which method comprises coating a thin impervious carrier sheet selected from a class consisting of rubber hydrochloride, regenerated and hydrated cellulose, and vinyl resin, with an adhesive film of molten micro-crystalline wax, cooling said applied film of wax to a degree well below its point of solidification to solidify the same, bringing said wax coated impervious sheet into contact with a heavier permeable fibrous base sheet with the wax coating interposed therebetween, and then uniting said sheets by subjecting them to high pressure to permanently bond said sheets together by means of said adhesive wax film to produce a laminated moistureproof sheet material for the manufacture of said fibre containers, said pressure being sufficiently high to extrude the solidified wax coating on the impervious sheet into the top fibres of the permeable base sheet, the cooling and solidification of the wax preventing the top fibres of said base sheet from penetrating through the wax film, thereby effecting an adherence and continuity of wax film between said sheets to produce a composite laminated moistureproof sheet.

2,296,172
CARBURETOR
Marion Mallory, Detroit, Mich.
Application March 3, 1941, Serial No. 381,460
8 Claims. (Cl. 261—65)

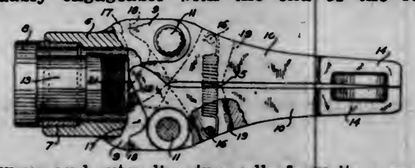


1. A carburetion and charge control system for an internal combustion engine comprising an intake passageway having an inlet and an outlet, a throttle valve in said passageway, an auxiliary throttle valve in said passageway for controlling the fuel mixture charge, a source of fuel, a fuel nozzle, a communication between the fuel nozzle and the source of fuel, means responsive to the vacuum on the outlet side of said auxiliary valve at low air flow speeds through the passageway to partially open said auxiliary valve whereby a relatively high vacuum is maintained on the outlet side of said auxiliary valve and the fuel atomized by a relatively high velocity air flow by the auxiliary valve, suction means connected into the intake passageway on the inlet side of said first mentioned throttle valve responsive to the vacuum created by the flow of air through the passageway on the inlet side of said throttle valve as the air flow speed increases through said passageway to further open the auxiliary valve whereby the vacuum on the outlet side of said auxiliary valve drops, and means responsive to pressure conditions in said intake passageway on the outlet side of said auxiliary valve for decreasing the flow of fuel through said communication as the vacuum increases in said passageway on the outlet side of the auxiliary valve and for increasing the flow of fuel through the communication as the vacuum in the said passageway on the outlet side of the auxiliary valve decreases.

2,296,173
SPREADING TOOL
Siegmund Mandl, Milwaukee County, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application January 18, 1940, Serial No. 314,434
6 Claims. (Cl. 81—15)

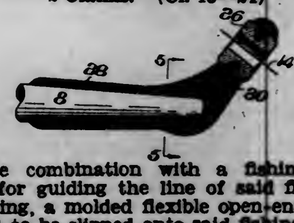
1. A spreading tool comprising, a hub having

one end associated directly with the cylinder of a single acting hydraulic ram and being provided at its opposite end with integral ears disposed laterally of and extending along its axis, parallel pins mounted in said ears on opposite sides of said axis, a wedge shaped jaw directly pivotally suspended from each of said pins, each of said jaws having an integral actuating arm directly slidably engageable with the end of the ram



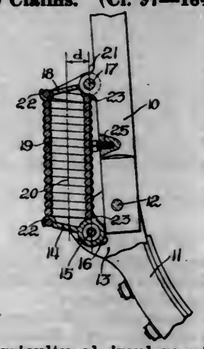
plunger and extending inwardly from its suspension pin past the arm of the other jaw a considerable distance across said axis, and the extreme outer ends of said jaws being directly abuttable to prevent swinging of either jaw across said axis, and resilient means connecting said jaws and cooperating therewith to constantly urge said outer jaw ends toward each other and said arms toward said ram plunger end.

2,296,174
FISHING ROD
John C. Meisler, Philadelphia, Pa.
Application October 31, 1941, Serial No. 417,217
2 Claims. (Cl. 43—24)



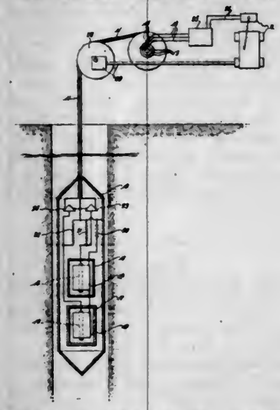
1. The combination with a fishing rod of means for guiding the line of said fishing rod comprising, a molded flexible open-ended sleeve adapted to be slipped onto said fishing rod over the thin end thereof, an integrally formed extension projecting at an angle to the axis of said sleeve and said rod, and a guide ring premolded in said extension.

2,296,175
SPRING RELEASE DEVICE
James Morkoski, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 26, 1940, Serial No. 326,065
9 Claims. (Cl. 97—184)



1. In an agricultural implement, a tool-supporting element, a working tool element, the two elements adapted to pivot with respect to each other and adapted to have force applied for so pivoting the same, biasing means for maintaining the elements in their normal position and for normally resisting the force being applied to the same, said biasing means including a buckling spring and two other elements for pivotally connecting the ends of the spring respectively between said first two mentioned elements, each of the pivotally connected elements being arranged to pivot about an axis parallel to the pivot axis between the first two mentioned elements, both of the pivotally connected elements being arranged and shaped to retain said spring so that the center axis thereof is offset with respect to a line extending between and perpendicular to the axes of the pivot elements, whereby said spring may be caused suddenly to buckle upon sufficient force being applied to pivot the first mentioned elements with respect to each other.

2,296,176
WELL SURVEY METHOD AND APPARATUS
Jacob Neufeld, Tulsa, Okla., assignor to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware
Application March 9, 1940, Serial No. 323,239
16 Claims. (Cl. 250—83.6)

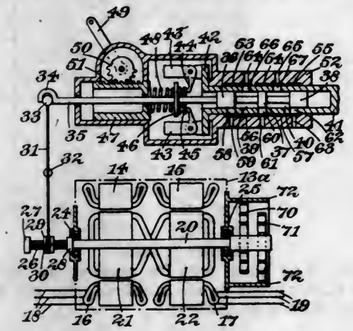


1. A method of geophysical prospecting that comprises separately simultaneously measuring the intensity of radioactive radiations of a plurality of frequency ranges coming from a formation about which information is desired, and dividing one of said measurements by another in such a manner as to give a measurement indicative of the frequency distribution of said radiations.

2,296,177
SYNCHRONIZING APPARATUS
Frederick Newton, Derby, England
Application April 18, 1939, Serial No. 268,639
In Great Britain March 19, 1938
1 Claim. (Cl. 60—97)

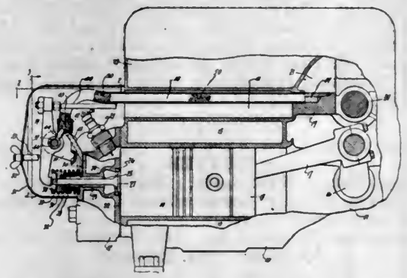
Apparatus for maintaining synchronism between two rotary machines, such as two engines of an aircraft, comprising an alternating-current generator driven by one machine and another alternating-current generator driven by the other machine, a single dynamo-electric machine supplied with current from the said generators so as to produce two electro-magnetic fields rotating in opposite directions and a rotor so wound as to rotate at a speed corresponding

to the difference in frequency between the two alternating currents, means for regulating the speed of one of the machines, a lever resiliently connecting the speed regulating means with the rotor so as to tend to restore the machine to syn-



chronism with the other upon rotation of the rotor, and a manually operated control including resilient means for setting the speed regulating means so that the machines are in approximate synchronism whereupon further regulation is accomplished by rotation of the rotor.

2,296,178
LUBRICATION SYSTEM
Charles F. Patterson, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 10, 1941, Serial No. 392,827
8 Claims. (Cl. 184—6)



1. For an internal combustion engine of the horizontal type including a crank-case provided with an upper lubricant reservoir, a cylinder and cylinder head at one side of the crank-case, valve mechanism carried by the cylinder head and including a rock-shaft and a movable valve having a moving surface contacting the cylinder head, valve-operating mechanism including an operating rod extending horizontally between the rock-shaft and the crank-case over the cylinder, a lubrication system comprising a lubricant-receiving member adjacent the rock-shaft, a lubricant conduit generally paralleling the valve-operating rod and extending from the crank-case reservoir to the lubricant-receiving member, valve-lubricating means for lubricating the aforesaid valve surface including a cup member surrounding the valve and having its open end seating on that portion of the cylinder head immediately adjacent the valve, absorbent material in said cup member, a conduit connecting the receiving member and the cup member, and a conduit connecting the receiving member and rock-shaft.

2,296,179
EYE MOUNTING FOR DOLLS
Salvatore Paganello, Brooklyn, N. Y.
Application January 23, 1942, Serial No. 427,868
4 Claims. (Cl. 46—169)



1. In an eye mounting for dolls, a supporting member embedded in the wall of the doll head and including pairs of vertically spaced tongues projecting rearwardly into the hollow interior of the doll head, the tongues of each pair being transversely spaced and the tongues of one pair being aligned vertically with the tongues of the other pair respectively, a bearing member including a transversely arranged web and opposite side flanges projecting beyond the upper and lower edges of the web and each having a recess extending inwardly from the forward edge thereof, said bearing member being arranged in straddling relation with the supporting member to dispose the web between the pairs of tongues and the side flanges alongside and outwardly of the tongues, and an eye secured to each of the opposite ends of a shaft positioned in said inwardly extending recesses, said web being of a lesser width than the spacing between the pairs of tongues so as to permit of relative longitudinal adjustment of the bearing member to accurately position the eyes in the eye openings in the doll head, and said tongues being adapted to be interlocked with the projecting ends of the side flanges for securing the bearing member in fixed relation with the supporting member and the eyes positioned in the eye openings.

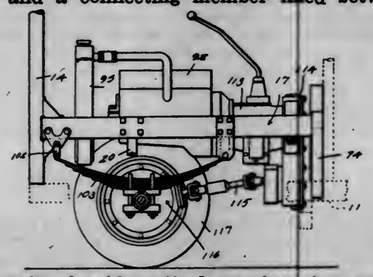
2,296,180
CARBONATED CHOCOLATE BEVERAGE AND METHOD OF PREPARING THE SAME
Aaron D. Pashkow, Chicago, Ill.
No Drawing. Application October 28, 1939, Serial No. 301,731. In Canada June 30, 1938
7 Claims. (Cl. 99—79)

7. A bottled, carbonated, chocolate beverage having the property of withstanding deterioration over prolonged periods of time, said beverage containing from about 0.05% to about 0.1% of sodium benzoate, the prolonged keeping properties of said beverage resulting from heating said beverage for at least several minutes in the presence of the sodium benzoate at a temperature not less than about 120 degrees F. nor more than about 200 degrees F. and while sealed within the bottle.

2,296,181
POWER PLANT FRAME FOR TRUCKS
Arthur R. Perkins, Oneonta, N. Y.
Application July 23, 1941, Serial No. 403,734
8 Claims. (Cl. 180—64)

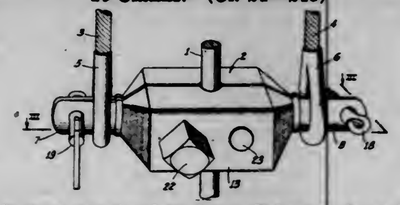
1. A power plant frame for truck or vehicle bodies comprising a pair of parallel horizontally disposed channel members, a connecting member fixed at the opposite ends thereof to said channel members inwardly from an end thereof, a right angularly disposed elongated member positioned adjacent the rear ends of said channel members and offset downwardly therefrom, pairs of vertically disposed members fixed at their lower ends to said elongated member, means fixedly securing the rear ends of said channel members

to one member of each pair of said vertical members, and a connecting member fixed between



each pair of said vertical members in parallel and upwardly offset relation with respect to said elongated member.

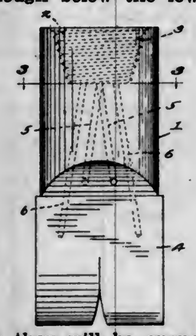
2,296,182
CLAMP TYPE CARRIER BAR
James P. Ratigan, Los Angeles, Calif.
Application September 16, 1941, Serial No. 411,043
10 Claims. (Cl. 24—243)



1. In a carrier bar for polished rods, a body member having integrally formed cylindrical trunnion members extending axially outward from said body member in opposite directions to be received in the eye members of a horsehead sling, said trunnion members each having an aperture for receiving a keeper to secure said eye members, said body member being formed as complementary halves separable along an axial plane passing between meeting faces defined by each of said halves, said meeting faces each being slightly concave outwardly, each of said halves having a groove of arcuate cross section extended along said meeting faces transversely of the axis of said body member to define a channel for receiving said polished rod, said grooves each having a depth slightly less than the radius of said arcuate cross section, and a pair of clamping bolts interengaging said halves, said bolts being disposed on opposite sides of said grooves and closely adjacent thereto.

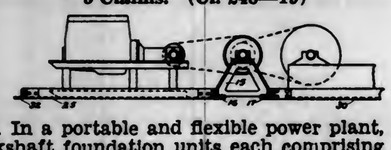
2,296,183
DRILL BIT
Zachary B. Richard, Lake Charles, La.
Application November 27, 1940, Serial No. 367,457
1 Claim. (Cl. 255—61)

A drill comprising a body provided with a reduced lower bit and with an upper means for connection with a circulation pump, the bit having edge surfaces, and continuous, plain, and approximately parallel side surfaces extended downwardly from the lower end of the body, the body being supplied with a first duct which opens downwardly and externally of the body, above the bit, the body having second ducts which open upwardly into said means, each second duct having a hermetically-closed lower end disposed between said approximately-parallel side surfaces and adjacent to the edge surfaces of the bit, the closed lower ends of the second ducts being disposed far enough below the lower end of the



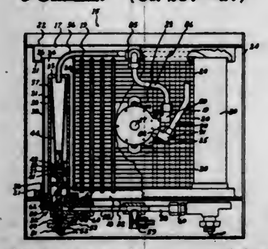
body so that they will be opened by bit-wear which is confined to so much of the bit as lies between said side surfaces.

2,296,184
POWER PLANT FOUNDATION
John Riise, Doylestown, Ohio
Application August 7, 1939, Serial No. 288,703
3 Claims. (Cl. 248—19)



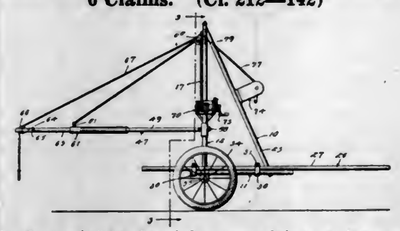
1. In a portable and flexible power plant, two jackshaft foundation units each comprising two bearing pedestals and base members joined therewith in a unitary, portable structure, means for connecting the two structures in spaced relation, and in approximate axial alinement of all of the jackshaft bearings with each other, base members for driving units detachably connected to said jackshaft foundation units at right angles thereto.

2,296,185
HEATER
Harry Rose, Wyandotte, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 29, 1939, Serial No. 306,700
6 Claims. (Cl. 237—17)



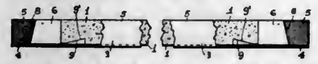
1. A heating apparatus comprising a fluid-heated, air-heating core including an upper fluid tank, a lower fluid tank and fluid conveying tubes extending between said upper and lower fluid tanks, a fuel burner at each side of said fluid conveying tubes, each of said fuel burners including a combustion chamber for receiving combustible fuel to be burned, an upright boiler in surrounding relation to each combustion chamber, upper and lower portions of each of said boilers being open to said upper and lower tanks, respectively, a motor, a blower adapted to be driven by said motor to cause air to be passed through said core, and means including a pump adapted to be driven by said motor and cooperating with said burners to cause combustible fuel to be fed into each of said combustion chambers and a draft through each combustion chamber to be sustained, said means including an outlet from each combustion chamber and a conduit leading from each outlet through said upper fluid tank to said pump.

2,296,186
PORTABLE DERRICK
Herbert J. von Rosenberg, San Antonio, Tex.
Application May 5, 1941, Serial No. 391,973
6 Claims. (Cl. 212—142)



1. A portable derrick comprising a frame including right angularly disposed vertical and horizontal U-shaped frame members having the ends of the parallel legs thereof fixed together, a pair of bracing members fixed to said frame members, a pair of wheels, a right angle spindle for each wheel having one side thereof telescoping into the lower ends of said vertical frame members, and means engageable with said vertical frame members and said one side of a spindle for locking said spindles to thereby dispose said wheels in either parallel relation or in alignment, said frame being rockable about the axes of said wheels when the latter are in parallel relation.

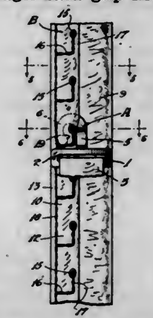
2,296,187
FORM FOR PRECASTING INTERRELATED CONCRETE UNITS
Smith Alonzo Rosenberger, Valparaiso, Ind.
Application August 4, 1940, Serial No. 351,264
2 Claims. (Cl. 25—121)



1. A reversable bulk head for use in producing articles of the class described which comprises a single length of sheet metal formed into parallel sides, a sloping end, a perpendicular end and a wedge shaped extension extending from the perpendicular end, and a sheet metal plate joining the differently formed ends.

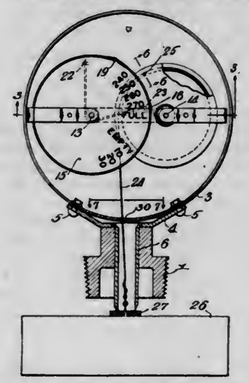
2,296,188
GARMENT FASTENER
Richard J. Roseman, Newark, N. J.
Application July 12, 1941, Serial No. 402,053
10 Claims. (Cl. 24—206)

5. A separable fastener comprising two parts to be connected, a hook secured upon one of said parts and including a shank and a bill in spaced opposed relation to said shank, the other of said parts including at least two superposed plies of material connected together to form a pocket between them, said plies being connected together at spaced points along edge of one ply to form a gap between said edge and the other ply to serve as a mouth for said pocket, the portion of said edge of the first-mentioned ply between the ends of said gap being permanently free from and out of the general plane of the adjacent side of the second mentioned ply to permit insertion of said hook bill through said gap into said pocket and



said pocket extending longitudinally of said plies beyond one end of said gap, and means connecting said two plies and extending between them at said end of said gap so that the bill of said hook may be inserted through said gap and enclosed in said pocket and the hook may embrace said means to connect said two parts together.

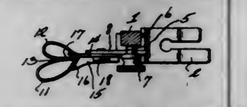
2,296,189
LIQUID-LEVEL INDICATOR
Henry J. G. Rudolf, Galesburg, Ill., assignor, by direct and mesne assignments, to The Applied Mechanics Co., Wellesley, Mass., a corporation of Massachusetts
Application May 5, 1937, Serial No. 140,872
3 Claims. (Cl. 73—321)



1. A liquid-level indicator for attachment to an opening in the top of a tank, comprising a casing having a window in one wall, means for mounting the casing over said opening, two shafts mounted in the casing with their axes intersecting said wall, a drum on one shaft with the outer marginal portion of one side of the drum in juxtaposed overlapping relation to said window and with calibrations on said side of the drum distributed circumferentially around said marginal portion, small and large drums on the other shaft, the small drum being aligned with said first drum with a tape kinematically interconnecting the two drums, one end of the tape being anchored to the small drum and the other end of the tape being anchored to said first drum,

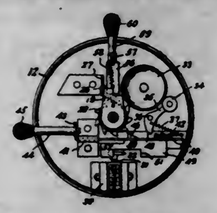
the large drum overlapping the side of the first drum opposite to said calibrated side, a float, a float tape wound on said large drum, and a spring associated with said first drum for holding said first tape taut and tending to wind the float tape on said large drum.

2,296,190
THREAD TRIMMER FOR SEWING MACHINES
Alfred F. Runge, Lebanon, Tenn.
Application August 19, 1941, Serial No. 407,478
8 Claims. (Cl. 112—252)



1. A thread cutting attachment for the presser foot of a sewing machine in which the presser foot is secured by a screw, comprising a plate, means for coupling the plate to the presser foot by said screw, a pair of spring members carried by the plate in side by side relation and designed to facilitate the drawing of a thread therebetween to be resiliently engaged thereby, and a cutting blade secured to the plate above said springs and having a cutting edge extending across the contacting portions of the springs.

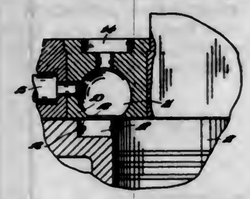
2,296,191
BAGGAGE REGISTER FOR PORTERS
George F. Russell, Richmond Hill, N. Y.
Application February 24, 1941, Serial No. 380,234
2 Claims. (Cl. 235—1)



1. In a baggage register for porters, a casing having a window, a counter within the casing having indicia bearing faces aligned with the window for display therethrough, an indicia bearing element having an opening therethrough and having the indicia thereon and the said opening spaced relative to each other, said element being so mounted for movement within the casing as to selectively dispose either the indicia thereon or said opening in alignment with the window so as to display the indicia on said element when said indicia is in alignment with the window and to display the indicia on the counter faces through said opening and window when the opening is disposed in alignment with the window and counter, and a common manipulating means for actuating the counter and indicia bearing element in unison.

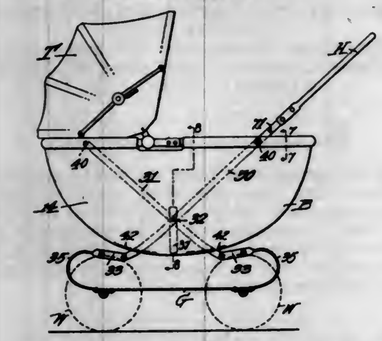
2,296,192
COMBUSTION CHAMBER
Arthur Freeman Sanders, Leeds, England, assignor to John Fowler & Co. (Leeds) Limited, Leeds, England
Application July 1, 1940, Serial No. 343,490
In Great Britain May 25, 1939
8 Claims. (Cl. 123—32)

1. A fuel-injection engine having parts comprising a cylinder head, a cylinder block providing a cylinder bore, and a piston reciprocable within said cylinder bore, said parts providing two cavities forming part of the compression space of the engine, each of said cavities being of relatively-compact form, one cavity being an injection cavity into which fuel is injected and the other being a reception cavity in which no fuel injection occurs, the cavities being adjacent one another at the top dead centre position of the piston, and each of them communicating with the cylinder bore, at the bottom dead centre position of the piston, through an opening of substantially no axial length, said injection cavity



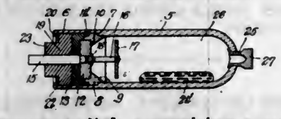
opening through a port of substantially no axial length of less cross-section than the mean cross-section of said injection cavity in a direction parallel to the plane of said port, and said reception cavity communicating, at the top dead centre position of the piston, with said injection cavity through an aperture of substantially no axial length and of less cross-section than the mean parallel cross-section of said reception cavity, whereby said reception cavity is overhung by the under-surface of said injection cavity, at the top dead centre position of the piston, around the major portion of its periphery, and said overhanging under-surface being arranged to present an acute-angled edge to said port.

2,296,193
CHILD'S CARRIAGE
Donald W. Siebert, Gardner, Mass.
Application October 7, 1940, Serial No. 360,032
4 Claims. (Cl. 280—42)



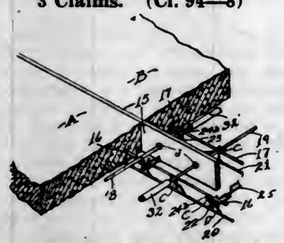
1. In a child's carriage, a foldable body having a top body bail and flexible outer and inner body side walls supported by said bail, a bottom permanently secured at its side edges to said outer side walls and receiving support therefrom but free from said inner side wall, and folding body-supporting members extending upward between said outer and inner walls at each side of said body and within said top body bail and through openings between said outer walls and said bottom, and the upper portions of said supporting members being pivoted to said body bail.

2,296,194
MERCURY SWITCH
Charles W. Trautman and Herbert E. Buckien, III, Elkhart, Ind., assignors to Buckien-Bear Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
Application July 26, 1940, Serial No. 347,678
7 Claims. (Cl. 200—152)



1. A mercury switch comprising a cup-shaped metal shell having a ceramic insert in the open end thereof, a frusto-conical recess in said insert, an electrode closing the small end of said recess and having an externally projecting shank extending axially inwardly through said recess beyond the inner end of said insert, an electrode disc of arc resisting metal carried on the inner end of said shank in radially spaced relation to said shell, said disc being solid and having its periphery spaced from said shell a distance less than the meniscus height of mercury and a body of mercury in said shell adapted to contact said disc to close the circuit through said switch and movable past said disc through said recess into contact with said electrode.

2,296,195
SUPPORT FOR EXPANSION JOINT FILLERS, REINFORCING RODS, AND DOWEL BARS
David E. Varner, Wichita, Kans.
Application July 10, 1940, Serial No. 344,758
3 Claims. (Cl. 94—8)



1. In a support for reinforcing rods and dowel bars; a pair of parallel base wires, vertically extending posts secured to said base wires in spaced relationship, link elements pivoted to the bottom portion of opposite posts and serving to hold said base wires in spaced apart position, holding means at the top of each post for supporting dowel bars in spaced position above and between the base wires, and spaced vertical wires secured intermediate the link elements for vertically supporting an expansion joint filler parallel to said base wires.

2,296,196
PROCESS FOR PURIFYING METALS
Gustave E. Behr, New York, N. Y., and Lloyd H. Schroeder, Mountain Lakes, N. J., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 19, 1940, Serial No. 370,786
5 Claims. (Cl. 75—63)

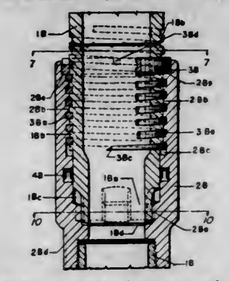
1. The process of removing gold from lead, tin and alloys thereof which comprises melting the metal to be purified, adding thereto aluminum together with a slag of molten salts, agitating the molten mass at a temperature of about 660° C. until the desired removal of the gold is effected by the formation of a mush, then allowing the mixture to cool to a temperature of about 50° C. to about 100° C. above the solidifying point thereof, and separating the mush from the purified metal.

2,296,197
GLOVE HOLDER
Gertrude Bloom and Israel Bloom, New York, N. Y.
Application November 1, 1941, Serial No. 417,428
1 Claim. (Cl. 24—3)



A glove holder, comprising a supporting loop engageable about the handle of a lady's handbag, a short flexible connection suspended at one end from said supporting loop and a combined hook, handle and weight at the opposite, free end of said short flexible connection, said hook being open to be freely caught about or released from the upper portion of said suspended flexible connection and of a size to freely slide over said flexible connection when caught thereabout, said handle being fixed in respect to said hook to serve as a means for turning the hook one way or another to engage it about or disengage it from or to slide it up or down over the upper suspended portion of the flexible connection and said weight loading said hook sufficiently to cause the same to automatically slide down over the suspended portion of the flexible connection to form an automatically closing slip noose for gripping a pair of gloves encircled by the same.

2,296,198
THREADLESS DRILL STEM
Alexander Boynton, San Antonio, Tex.
Application September 22, 1938, Serial No. 231,211
1 Claim. (Cl. 285—146)



In a drill stem connection: a pair of telescoping sections having interengaging means to prevent relative rotative movement and means to prevent axial separation comprising: an internal spiral key-way groove formed on one section and an external spiral key-way groove formed on the other section and confronting said internal groove, said grooves complementing each other to define a complete key-way; and a spiral key positioned in and completely filling the cross sectional area of said key-way.

2,296,199
STABILIZING SOLUTIONS OF TETRA-ALKYL LEAD COMPOUNDS
Troy Lee Cantrell, Lansdowne, and Carlton Louis Suplee, Malvern, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 31, 1940, Serial No. 316,687
11 Claims. (Cl. 44—63)

1. A method of producing a light stable solution of a tetra-alkyl lead compound, which comprises incorporating in said solution, in a quantity sufficient to inhibit the formation of haze therein, a substance represented by the formula

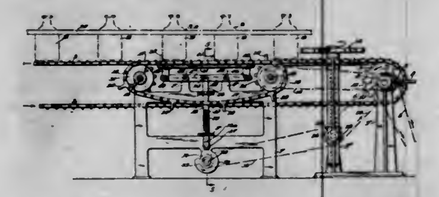
$$R_1-N=\overset{H}{\overset{|}{C}}-R_2$$

wherein R_1 represents a carbocyclic aromatic radical directly attached to the nitrogen atom, and R_2 represents a radical selected from the class consisting of furyl, furalkyl, and furalkylene, and R_1 and R_2 may be substituted radicals.

2,296,200
STABILIZING SOLUTION OF TETRA-ALKYL LEAD COMPOUNDS
Troy Lee Cantrell, Lansdowne, and Carlton Louis Suplee, Malvern, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 27, 1940, Serial No. 321,132
6 Claims. (Cl. 44—9)

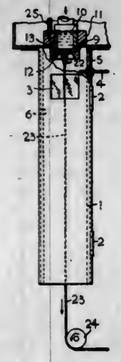
1. A method of stabilizing a solution of a tetra-alkyl lead compound against haze formation, which comprises incorporating in said solution an amine salt of a fatty acid, in an amount, proportioned on the amount of tetra-alkyl lead present, sufficient to inhibit haze formation due to the presence of said amount of tetra-alkyl lead, said amine salt being a salt of a secondary amine selected from the group consisting of dibutylamine, di-cyclohexylamine and amyl cyclohexyl amine and a fatty acid selected from the group consisting of oleic, stearic and lauric acids.

2,296,201
MECHANISM FOR HANDLING BOTTLES AND OTHER ARTICLES
Sidney T. Carter, Frankfort, Ky., assignor to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware
Application March 13, 1941, Serial No. 383,094
5 Claims. (Cl. 216—57)



5. Mechanism for feeding containers intermittently in a predetermined longitudinal path, comprising friction means adapted to feed the containers longitudinally in said path, said friction means slipping relative to said containers when the containers are held against longitudinal movement in said path, a stop device having spaced stop members which are movable in said path, mechanism adapted to actuate said stop device intermittently and at a total lower speed than said friction means, supply means operating to supply containers in spaced relation to said friction means, so that respective bottles are urged against respective stop members in said path by said friction means, and means adapted to raise and to lower the containers relative to said friction means during the periods of rest of said stop device.

2,296,202
PROCESS OF MAKING ARTIFICIAL WOOL
Vernal R. Hardy, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 19, 1940, Serial No. 324,847
8 Claims. (Cl. 18—54)

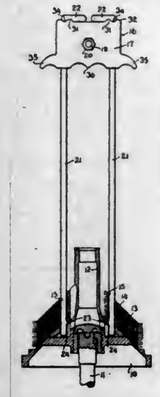


1. In a process for making crimped filaments from a melt-spinnable, crystalline synthetic linear polymer, the step comprising extruding the molten polymer through a spinneret into a heated zone, of gaseous medium which is maintained at a temperature of at least 50° C. but not greater than about 10° C. below the melting point of the polymer, and controlling the temperature of said heated zone and the time of passage of the extruded polymer therethrough to cool the extruded polymer at a gradual rate, and thereby inducing the formation of crystals of nonuniform size in the resultant filaments.

2,296,203
ARTICLE-HANDLING TOOL
William H. Harstick, Richmond, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application July 25, 1940, Serial No. 347,451
4 Claims. (Cl. 29—84)

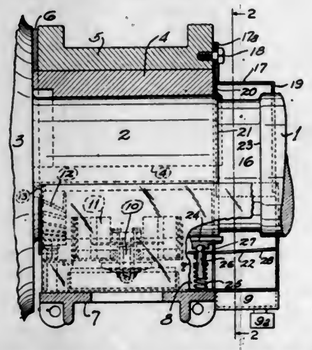
1. A tool for lifting apertured elements from a body comprising a frame and a pair of spaced substantially parallel rods, each mounted adjacent one end thereof for rotation about its own axis in the frame, said rods each having an offset shoulder lug near but spaced from the other end and projecting in a single radial direction, and means at said frame end of each rod to rotate the rods to one position in which the lugs face in a direction to permit insertion of the rods into the apertured articles and thereafter to rotate the rods to another position in which the lugs face in a direction to permit the lugs to have locking engagement with the lowermost one of the apertured elements for lifting all of the elements, the spacing of the lugs from the ends of the rods being such that contact with the interior

of the body by the ends of the rods assures positioning of the lugs with respect to the lowermost



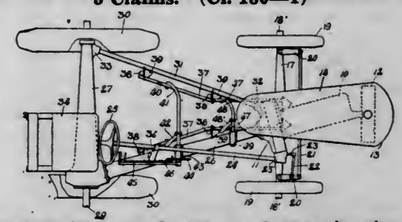
apertured element for locking engagement with said element upon rotation of the rods.

2,296,204
RAILWAY AXLE LUBRICATOR STRUCTURE
James J. Hennessy, Montclair, N. J.
Application December 16, 1940, Serial No. 370,264
3 Claims. (Cl. 308—80)



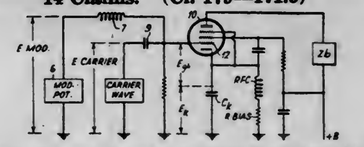
2. In combination, a railway vehicle axle box, a journal bearing secured therein, an axle having a journal supporting said bearing and box, said axle including a neck portion of less diameter than said journal and extending rearwardly from said journal and from the rear of said box and bearing and forming a shoulder at the rear of the journal, a removable lubricant cellar carried in said box beneath said journal, there being a device in said cellar for pumping lubricant therein to said journal, said cellar including bottom and side walls extending rearwardly of said journal, bearing and box, said side walls extending upwardly alongside of said journal and neck, and a housing secured to the rear of said box and extending therefrom over said neck and downwardly at the sides thereof to meet the sides of said cellar, there being a packing between the housing and the rear end of the journal box and bearing and overlying and contacting the shoulder between the axle neck and the rear end of the journal and extending over the top and downwardly along the sides of the axle to a point near the top edges of the cellar side walls.

2,296,205
TRACTOR
Arnold E. W. Johnson, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 10, 1938, Serial No. 239,751
5 Claims. (Cl. 180—1)



2. A motor propelled ground engaging implement comprising a rear axle housing having a differential housing included at one end thereof, a propeller shaft housing secured to the differential housing and extending forwardly in inwardly inclined relation to the axle housing, and implement supporting means carried on the propeller shaft housing and extending laterally therefrom into the space directly forward of the axle housing.

2,296,206
WAVELENGTH MODULATION
Charles N. Kimball, Jackson Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 2, 1940, Serial No. 359,314
14 Claims. (Cl. 179—171.5)



1. In a wave length modulator, an electron discharge device having electrodes including a grid and a cathode, a carrier frequency reactance in the cathode circuit of said device, means for developing a voltage of carrier wave frequency to be modulated across the impedance between said grid and cathode and said reactance in series whereby voltages of said frequency appear in said series circuit, and a phase displaced voltage of said frequency is developed between said grid and cathode, means for varying the mutual conductance of said device at signal frequency to thereby correspondingly vary the phase of said last voltage, and means for utilizing said last voltage.

2,296,207
THERAPEUTIC PAD
Joyce Young Kittinger, New York, N. Y.
Application April 25, 1941, Serial No. 390,243
1 Claim. (Cl. 128—268)

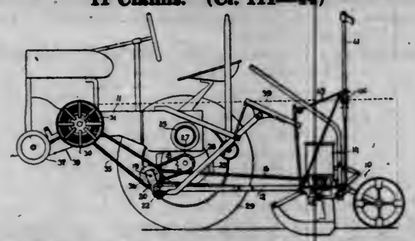
A therapeutic pad for application to living body portions comprising an outer layer of impervious material, said layer having a relatively smooth outer surface and an adhesive inner surface, a porous sheet attached to the central portion of said adhesive surface, said porous sheet being impregnated with a liquid paraffin and thereby rendered impervious to air and moisture, a body-engaging layer of porous material impregnated with a liquid paraffin containing an antiseptic substance, said body-engaging layer being ad-

hesively attached along its edges to the adhesive surface of said outer layer in a manner to provide a border of adhesive surface surrounding said body-engaging layer, a layer of pliable liquid-absorbing material of low thermal conductivity held between said porous sheet and said body-engaging layer, the latter being perforated



to allow absorption of perspiration by said liquid-absorbing material and the surface of said layer being of such nature as to become tacky due to confined body heat when the pad is applied to a living body portion, and a detachable gauze guard covering the entire inner surface of said pad.

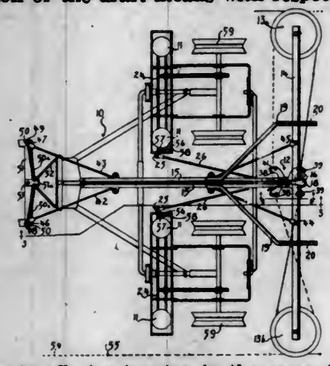
2,296,208
REEL DRIVE FOR PLANTERS
George M. Kriegbaum and Clarence C. Haas, Richmond, Ind., assignors to International Harvester Company, a corporation of New Jersey
Application March 3, 1941, Serial No. 381,482
11 Claims. (Cl. 111—44)



1. The combination with a tractor having a rear axle, a planter connected at the rear of the tractor, and means driving the planter from the rear axle, of a check-wire reel mounted on the tractor, and means driving the check-wire reel from the rear axle.

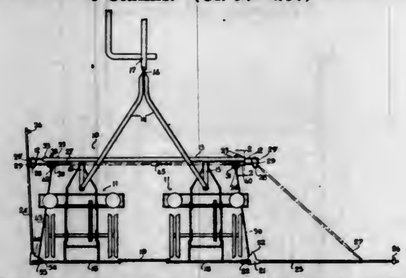
2,296,209
PLANTER
George M. Kriegbaum and Clarence C. Haas, Richmond, Ind., assignors to International Harvester Company, a corporation of New Jersey
Application May 10, 1941, Serial No. 392,830
9 Claims. (Cl. 111—48)

1. In combination, a draft means, a planter pivotally connected in trail-behind relationship to the draft means and comprising a frame, planting mechanism mounted thereon, check-head mechanism mounted centrally on the frame, means connecting the check-head mechanism and the planting mechanism for causing actuation of the check-head mechanism to effect operation of the planting mechanism, a support pivotally mounted between its ends on a central point of the frame, check-wire sheaves rotatably mounted at the ends of the support and positioned at opposite sides of the frame and the check-head mechanism, a check-wire trained about the sheaves and engaging the check-head mechanism, and means connecting the support and the draft means for causing a turning in one direction of the draft means with respect to the



planter to effect a turning in the same direction of the support with respect to the planter.

2,296,210
PLANTER MARKER
George M. Kriegbaum and Clarence C. Haas, Richmond, Ind., assignors to International Harvester Company, a corporation of New Jersey
Application June 21, 1941, Serial No. 399,132
9 Claims. (Cl. 97—230)

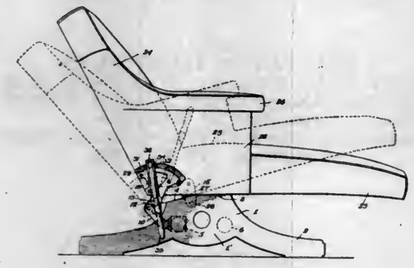


1. In combination, an implement, a pair of marker arms connected at opposite sides of the implement for movement between an operative position and an inoperative position, means interconnecting the marker arms to cause the holding of one marker arm in operative position to insure the holding of the other arm in inoperative position, means engageable with the interconnecting means to lock one marker arm in inoperative position, and means associated with the other marker arm and the engageable means for releasing the engageable means from the interconnecting means upon a predetermined movement of the said other marker arm away from operative position for releasing the said one marker arm from inoperative position.

2,296,211
PRODUCTION OF NITROGENEOUS CONDENSATION PRODUCTS
Hans Krzikalla and Richard Armbruster, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 12, 1939, Serial No. 250,572. In Germany January 20, 1938
8 Claims. (Cl. 260—598)

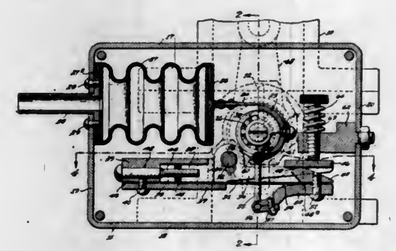
1. The process of producing nitrogenous condensation products, which comprises reacting an ammonium salt of a strong non-oxidizing acid with formaldehyde and at least one other aldehyde.

2,296,212
TREATMENT CHAIR
Theobald Kluglein, New York, N. Y.
Application July 24, 1940, Serial No. 347,230
3 Claims. (Cl. 155—116)



1. A chair of the character described including a base, a body having a seat portion, means for pivotally mounting said body on said base so that the body may swing back and forth in a given plane, and means for swinging said body, said means including an arm mounted on said body to swing in an arc, means actuated by said arm presenting a toggle structure acting on said body and said base for tilting the body in respect to the base when said arm is swung, a handle pivotally connected to said arm for actuating the arm, said handle having an offset end providing a tooth, and a quadrant rigidly secured to said body positioned near said arm, said quadrant having a rack arranged in an arc and positioned to receive the tooth on said offset end when the handle is moved to a given position for locking said arm against movement.

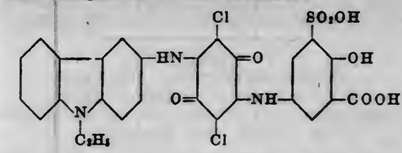
2,296,213
ENGINE SPEED GOVERNOR
August W. Kretzschmar, Detroit, Mich.
Application September 27, 1940, Serial No. 358,676
10 Claims. (Cl. 267—1)



1. A device for resisting movement of an element comprising an elongated spring anchored at one of its ends against flexing thereat and having a portion adjacent its opposite end tapered toward said last mentioned end, a pair of rocker members secured to opposite sides of said spring at said second mentioned spring end, one of said members extending from its respective spring side into operative connection with said element and being formed with a rocking surface tangent to said respective spring side at approximately the apex of said tapered spring portion, the other of said members extending from its respective spring side and also being formed with a rocking surface, and means providing a surface upon which said second-mentioned rocking surface is rockable.

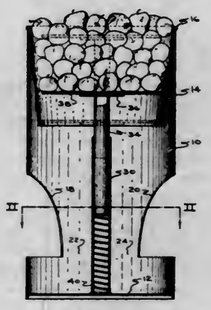
2,296,214
NEW DERIVATIVE OF 2.5-DIAMINO-1.4-BENZOQUINONE
Gerhard Langbein, Hofheim in Taunus, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Original application November 29, 1938, Serial No. 242,919. Divided and this application August 16, 1941, Serial No. 407,236. In Germany December 4, 1937
1 Claim. (Cl. 260—315)

The compound of the formula:



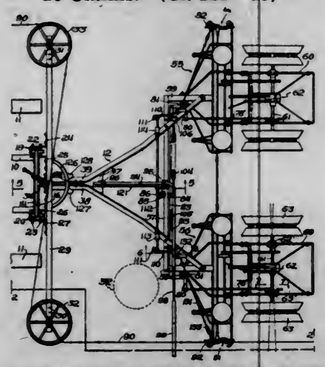
being a brown product which dyes chromed cotton current tints.

2,296,215
DISPLAY CONTAINER
Clifford C. Layher, Jackson, Mich.
Application March 23, 1939, Serial No. 263,647
2 Claims. (Cl. 220—93)



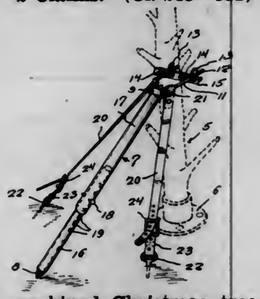
1. A display and dispensing container and stand comprising an upper container part, said upper container part having side walls having an inner surface which flares upwardly and outwardly, said container part including a vertically movable follow-up bottom, a central support for said bottom comprising a post, a tubular guide for telescopically receiving said central support, and resilient means acting upon said support to counterbalance the contents of said container and to raise said bottom as the contents of the container are removed from the top.

2,296,216
PLANTER
Alexus C. Lindgren, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 25, 1938, Serial No. 242,203
16 Claims. (Cl. 111—48)



1. In combination, a check-head planter, pulling means therefor, and means actuable upon turning of the pulling means for releasing a check-wire from a check-head of the planter.

2,296,217
CHRISTMAS TREE ANCHOR
John J. Maloney, Willmar, Minn.
Application May 28, 1941, Serial No. 395,653
2 Claims. (Cl. 248—351)

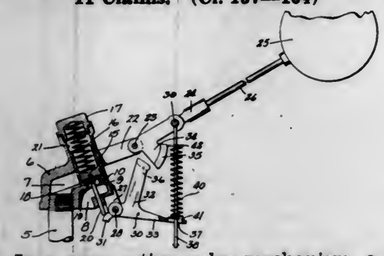


1. In a combined Christmas tree brace and anchor, a clamp adapted to a Christmas tree supported by a holder of a conventional construction, a prop adjustable as to length secured to the clamp and engaging a supporting surface for bracing the tree in the holder, and flexible anchoring elements connected to the clamp and adjustable toward and from the prop and secured to the supporting surface and cooperating with the prop in preventing the tree from rising upwardly, tilting and falling from the holder.

2,296,218
PURIFICATION OF MALEIC ANHYDRIDE
William R. Middleton, Jr., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 18, 1939, Serial No. 299,970
5 Claims. (Cl. 260—343)

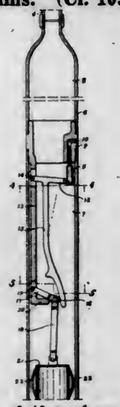
1. A method for the purification of crude maleic anhydride containing colored impurities and impurities which darken on standing, which consists in subjecting the crude maleic anhydride in liquid state to treatment at a temperature within the range between about 60° C. and about 210° C. with a metal compound selected from the group consisting of the oxides and hydroxides of sodium, potassium, lithium, calcium, zinc and magnesium, and the halides of zinc, iron and aluminum, and reaction products thereof with maleic anhydride, to effect a reduction in the volatility of color-forming volatile impurities without appreciably altering or destroying the maleic anhydride, and then distilling the treated maleic anhydride to recover a high yield of maleic anhydride which is substantially colorless both initially and upon standing for long periods of time, leaving the colored and darkening impurities in the distillation residue.

2,296,219
SNAP ACTION FLOAT VALVE
Jacob C. Miller, Milwaukee, Wis., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 27, 1941, Serial No. 385,442
11 Claims. (Cl. 137—104)



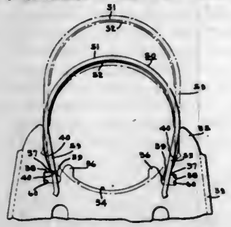
7. In a snap action valve mechanism, a snap action device for transmitting motion between a float and a valve, said device comprising a driving lever, a driven lever, a lost motion connection including energy storing means for transmitting motion from the driving lever to the driven lever, arms carried by the respective levers and comprising cam surfaces interacting in at least one direction of relative lost motion between said levers and comprising means for restraining response of the driven lever until sufficient energy is stored in said means for assuring the snap action movement of the driven lever upon the disengagement of said cam surfaces.

2,296,220
GAS LIFT FLOW DEVICE
Lester D. Mowrey, Wichita Falls, Tex.
Application June 10, 1939, Serial No. 278,530
13 Claims. (Cl. 103—233)



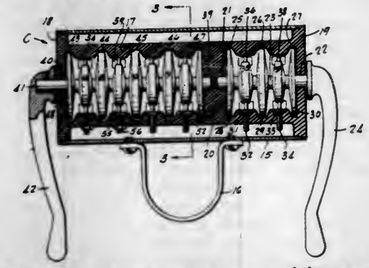
1. In a device of the character described including a well casing, a flow tubing therein, said casing being closed about said tubing at its upper end, the combination of a flow unit in said tubing, an inlet port in said flow unit connecting the interior of said tubing with the casing, a valve for controlling said inlet port, and means for holding said valve closed until a predetermined pressure is applied to said means, said means comprising a float so constructed and arranged as to permit the opening of said valve as the buoyancy of the said float is decreased a predetermined amount by action of said predetermined pressure.

2,296,221
CLAMP
William G. Pontis, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 10, 1941, Serial No. 387,988
9 Claims. (Cl. 248—26)



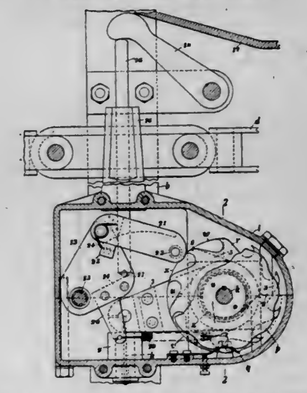
1. An assembly device comprising in combination; a support having a recess opening to one side thereof to receive an object, the edge of the recess having a plurality of notches opening to the edge of the recess to provide shouldered cams; a one piece resilient member adapted to hold the object in the recess, said member having support engaging ends adapted to be freely inserted at the mouth of the recess and forced over the cams, the resiliency of the arms permitting them to bend and thus store energy therein each end being formed with a slot to straddle the support and guide the member in a plane coincident with the plane of the support said ends having an opening to receive their respective cams and allow the arms to move toward their normal position whereby the resilient member is held on the support; and means provided by the support cooperating with the outer surfaces of the ends of the resilient member to prevent the ends from expanding to their free normal position.

2,296,222
VEHICLE SIGNAL SYSTEM AND SWITCH
Albert D. Reid, West Chester, Pa.
Application July 3, 1940, Serial No. 343,753
2 Claims. (Cl. 200—59)



1. A vehicle signal switch comprising a main body formed of insulation material provided with a longitudinal bore, axially spaced and inwardly extending ribs carried by the wall of said bore and forming axially spaced grooves, a rotor of insulation material arranged for rotative movement in said bore, a guide disc carried by said rotor for each of said grooves and arranged to provide axially spaced chambers insulated from each other, a hub disc member carried by said rotor in and for each of said chambers, oppositely disposed contact members carried by the wall of said bore in each of said chambers, a conducting element carried by each of said hub disc members and arranged to complete a circuit between oppositely disposed contact members, an actuating lever carried by said rotor, and binding posts secured to each of said contact members and arranged for connection to external electrical conductors.

2,296,223
CONVEYER CONTROL DEVICE
James Vincent Smith, Birmingham, England
Application June 7, 1940, Serial No. 339,397
In Great Britain June 30, 1939
7 Claims. (Cl. 235—132)



1. Selector mechanism comprising the combination of an actuable member, intermittently operable actuating means, and control means for determining which of a succession of similar movements of said actuating means can serve to impart movement to said member, said control means including a rotatable part which is movable in one direction by an attendant and in the opposite direction by said actuating means, and another part which is slidable under the action of said rotatable part to and from a position in which the two parts can co-operate with each other for enabling said actuating means to impart movement to said member.

2,296,224
CHAIR
Lewis C. Travers, Gardner, Mass., assignor to Mahoney Chair Company, Gardner, Mass., a corporation of Massachusetts
Application November 7, 1939, Serial No. 303,329
1 Claim. (Cl. 155—117)

In a heavy duty folding chair, connected leg frames, one at each side of the chair, including pairs of front and rear legs with the upper ends of the rear legs pivotally connected to the upper extremities of the front legs, arm rest members pivotally connected at their front ends to the upper ends of the front legs, a rigid slatted back including side members pivotally connected at an intermediate point to the rear ends of the arm rests, a seat made up of side and end members and a series of slats, said back side members being extended at their lower extremities and pivotally and frictionally connected to the seat side members, said latter pivotal connection

including a pivot bolt projected through the lower end of a back side member and into the adjacent seat side member and friction washers interposed between said latter members, said seat side member being formed with a recess open toward the bottom of the chair to receive the inner end of the bolt, an adjusting and securing nut threaded on the inner end of the bolt and lying in said recess and accessible for ad-



justment purposes, movable props pivotally and frictionally connected at their upper ends to the rear ends of the arm rest members and to the back side members and at their lower ends having a swinging link connection with the rear legs to permit folding and being also provided with projections and adapted to engage the rear legs when the chair is set up, said latter pivotal and frictional connection including resilient friction washers coacting with said adjustable pivotal connection to maintain the seat and back in adjusted position, and means movably supporting the front of the seat from the arm rest members in a manner to provide for adjustment of the seat and back to different positions of use, said arm rest members being undercut to provide top portions that overlie the adjacent connection of said arm rests with said front legs and said last named means.

2,296,225

NITROGENOUS CONDENSATION PRODUCTS AND A PROCESS OF PRODUCING SAME

Heinrich Ulrich, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 12, 1940, Serial No. 369,866. In Germany August 7, 1935

12 Claims. (Cl. 260—239)

4. Nitrogenous condensation products obtained by condensing the class consisting of monomeric 1.2-alkylene imines and their non-crystalline high molecular polymerization products with an organic carbonyl compound capable of readily undergoing condensation reactions, the said compound being free from carboxylic and modified carboxylic groups and selected from the class consisting of aldehydes and ketones.

2,296,226

NITROGENOUS CONDENSATION PRODUCTS AND A PROCESS OF PRODUCING SAME

Heinrich Ulrich, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 12, 1940, Serial No. 369,868. In Germany August 7, 1935

2 Claims. (Cl. 260—239)

1. Nitrogenous condensation products obtained by condensing a member selected from the class consisting of monomeric 1.2-alkylene imines and their non-crystalline high molecular polymerization products with a chloride of a fatty acid.

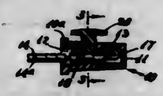
2,296,227

INSULATING CONNECTOR FOR WIRES

Mike Varga, New York, N. Y.

Application May 1, 1941, Serial No. 391,227

4 Claims. (Cl. 174—87)



1. An insulating connector for wires having a tubular housing with a closed end and a group of wires enclosed within a metallic sheath inserted into said housing through its open end, a clamping member on one side of said housing and engageable against said sheath for holding said sheath and wires against outward movement relative to said housing, and means holding said wires against rotation relative to said housing for assisting said clamping member in securely locking said sheath and wires within said housing.

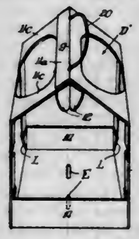
2,296,228

BOTTLE HOLDER

Henry K. Powell, Chicago, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois

Application May 5, 1939, Serial No. 271,827

8 Claims. (Cl. 229—52)



1. A collapsible container for carrying bottles or the like comprising a sheet of paper board creased to provide a bottom panel of area to accommodate a plurality of the intended bottles in standing position thereon and side panels flexible to upstanding positions at opposite side margins of the bottom panel, said side panels being connected to each other at their upper end portions and being creased transversely to permit the container to be collapsed to flattened form with the upper portions of the side panels overlying the upper surface of the bottom panel, the sheet being provided with handle holes spaced from each other transversely of the side panels adjacent their upper ends, and a pre-formed rigid handle having a bail portion with rod-like journals extending toward each other in alignment from its opposite ends, the handle holes being spaced from each other approximately the same distance as are the outer ends of the handle journals and being of size to admit the journals when they are inserted lengthwise only, and the collapsed container being flexible to an arched form to move the handle holes close enough to each other to permit insertion of the handle journals lengthwise through them respectively.

2,296,229

HANDLE FITTED CARTON

Henry K. Powell, Chicago, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois

Application March 11, 1940, Serial No. 323,269

2 Claims. (Cl. 229—52)



1. A carton comprising a collapsible body member having a wall portion formed with handle receiving apertures therethrough and in spaced relationship, which wall portion is flexible to an arched form in the collapsed condition of the body member so as to bring said apertures closer to each other, and a pre-formed rigid handle comprising a bail portion having at its ends laterally offset portions spaced from each other a distance corresponding to the spacing of the handle receiving apertures and retainer portions extending toward each other from the outer extremities of the laterally offset portions, said retainer portions and laterally offset portions each being of a length exceeding the maximum dimension of respective handle receiving apertures and of cross-sectional size such as to permit their being threaded longitudinally through the handle receiving apertures when said wall portion is in arched form to positions where they overlap surfaces of the wall portion and afford retaining supports for the body member, said handle while attached to the body member being movable to a position wherein the bail is alongside the wall portion and to another position where the bail is at right angles thereto.

2,296,230

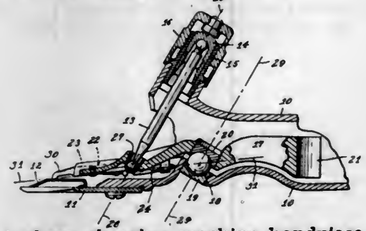
SHEARING MACHINE

Cyril Henry Brookes, Sydney, New South Wales, Australia, assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois

Application April 23, 1941, Serial No. 389,907

In Australia May 11, 1940

3 Claims. (Cl. 30—221)



1. A sheep shearing machine handpiece having a comb and a cutter, a driving fork pivoted on the handpiece and provided on its forward portion with fork yokes each having tips in contact with the cutter for applying the driving and tensioning forces, and a tension pin inclined downwardly and forwardly and having at its lower end a spherical bearing member seated in a socket on the driving fork intermediate the pivot mounting thereof and its forward end, the pivot mounting of the driving fork comprising a spherical bearing member seated in a complemental bearing socket on the handpiece and a complemental bearing socket on the driving fork, the longitudinal center axis of said spherical bearing member and its bearing sockets being parallel with the longitudinal center axis of said tension pin.

2,296,231

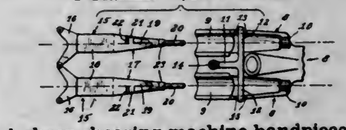
SHEARING MACHINE

Cyril Henry Brookes, Sydney, New South Wales, Australia, assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois

Application April 23, 1941, Serial No. 389,908

In Australia May 11, 1940

4 Claims. (Cl. 30—221)



1. A sheep shearing machine handpiece having a comb and a cutter, a driving fork pivoted to oscillate laterally, a pair of fork yokes each having an elongated shank and fork arms extending forwardly therefrom and having contact with the cutter for applying the driving and tensioning forces, the fork yokes being mounted on the front end portion of the driving fork with their shanks in laterally spaced relation and parallel one with respect to the other and extending lengthwise of the driving fork, and means operative between the driving fork and the fork yokes to retain the latter in any of a plurality of working positions to which they may be adjusted lengthwise on the driving fork.

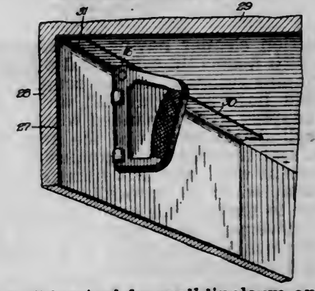
2,296,232

SCRIBING TOOL FOR WALL LINOLEUM AND SIMILAR COVERINGS

Herbert D. Drain, Chicago, Ill., assignor of one-half to Roy F. Hull, Chicago, Ill.

Application January 4, 1940, Serial No. 312,331

3 Claims. (Cl. 33—41)



1. A scribing tool for wall linoleum and similar coverings, characterized by a substantially rigid frame having bottom and front edges arranged at an acute angle to each other, a hand grip above the bottom edge, a curved nose at the junction of said edges for engagement with the material to be marked, and a stationary marking pin projecting from the nose with its tip above the plane of the bottom edge.

2,296,233

TIMER MECHANISM

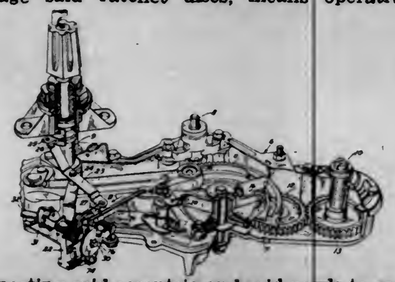
George C. Fields, Euclid, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application May 9, 1941, Serial No. 392,722

10 Claims. (Cl. 192—139)

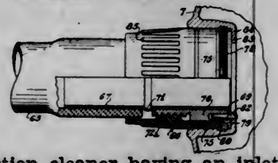
1. A timer of the type controlling the period of operation of a driven shaft comprising a gear case for supporting said shaft, a clutch control adapted to be moved so as to interrupt the drive to said driven shaft, an eccentric turned by said

driven shaft, a timer shaft, a plurality of ratchet discs mounted on said timer shaft, at least one of said discs fixed to said timer shaft, an oscillating pawl assembly having pawls adapted to engage said ratchet discs, means operatively



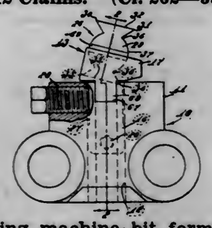
connecting said eccentric and said pawls to oscillate said pawls and progressively advance said ratchet discs and means operatively connecting said timer shaft and said clutch control so as to move said clutch control after a predetermined number of oscillations of said pawls.

2,296,234
SUCTION CLEANER
Paul E. Frantz, Euclid, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 5, 1940, Serial No. 343,921
3 Claims. (Cl. 285—167)



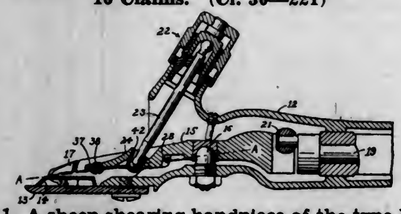
1. A suction cleaner having an inlet opening provided with a smooth, cylindrical portion having an annular groove, a hose, a coupling on the end of said hose provided with an expansible member adapted to be expanded within the said smooth, cylindrical portion of the inlet opening to form a seal therewith, an expansible member in engagement with said first-named expansible member adapted to be outwardly expanded into said groove to restrain the coupling against longitudinal movement with respect to the cleaner and means movable longitudinally of the coupling to expand both of said members.

2,296,235
CUTTER BIT AND HOLDER THEREFOR
Frank L. Fulke, Terre Haute, Ind., assignor to Frank Prox Company, Inc., Terre Haute, Ind., a corporation of Indiana
Application June 13, 1938, Serial No. 213,423
12 Claims. (Cl. 262—33)



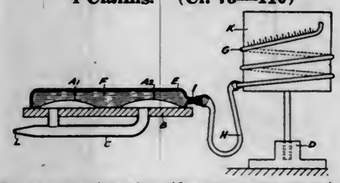
12. A mining machine bit formed, on either side of a median plane, with a cutting face presenting a long thinly wedge shaped section flaring from its outer end to a point adjacent said median plane and a short bluntly wedge shaped section merging, in said median plane, with the corresponding bluntly wedge shaped section on the other side of said median plane, the angles between the flaring boundaries of said thinly wedge shaped portions being bisected by a common line perpendicular to said median plane.

2,296,236
SHEEP SHEARING MACHINE
Paul J. Musolf, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application April 23, 1941, Serial No. 389,918
16 Claims. (Cl. 30—221)



1. A sheep shearing handpiece of the type having an inclined downwardly pressed tension pin having at its lower end a ball thrust bearing against a driving fork which has pivot bearing on the handpiece rearwardly of said thrust bearing and having at its forward end fork yokes which have tip contacts with the cutter, each fork yoke being mounted on the driving fork with capacity for pivotal movement about an axis extending lengthwise of the driving fork, the parts being so constructed and arranged that a plane common to said yoke axes and intersecting said tip contacts and the center of the driving fork pivot bearing also intersects approximately the center of the ball thrust bearing.

2,296,237
APPARATUS FOR MEASURING FLUID PRESSURE
Henry Hans Allen, London, England
Application December 6, 1939, Serial No. 307,820
In Great Britain December 12, 1938
4 Claims. (Cl. 73—110)

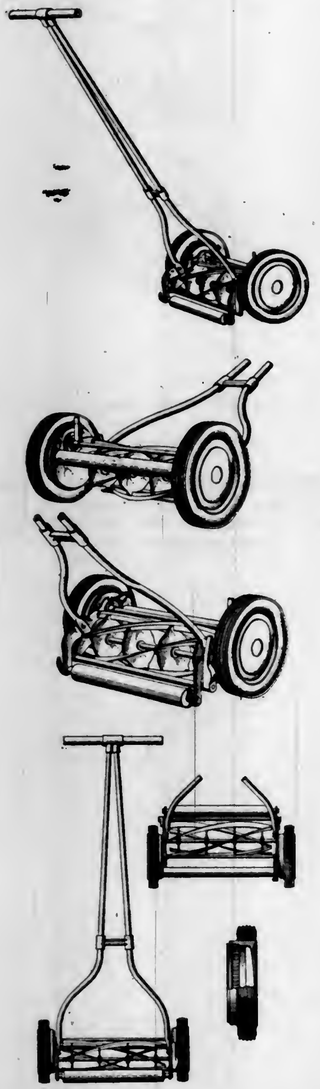


2. In apparatus for the measurement of fluid pressures the combination of a base having a surface lying in a single horizontal plane, a plurality of identical disk-form diaphragms secured by their edges to said surface, a common conduit having branches opening out of said base under each of said diaphragms respectively whereby the pressure to be measured can be imposed under identical conditions on each of said diaphragms simultaneously, means for confining a common body of liquid in contact with and over the faces of all of said diaphragms, and means for indicating displacement of such liquid caused by deflection of said diaphragms.

DESIGNS

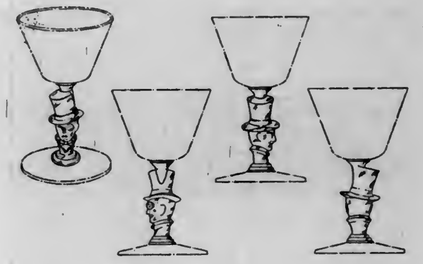
SEPTEMBER 15, 1942

133,775
DESIGN FOR A LAWN MOWER
Richard D. Clemson, Middletown, N. Y., assignor to Clemson Bros., Inc., Middletown, N. Y., a corporation of New York
Application July 6, 1942, Serial No. 107,432
Term of patent 14 years



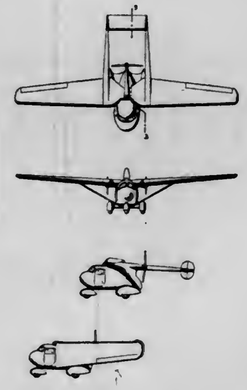
The ornamental design for a lawn mower, substantially as shown and described.

133,776
DESIGN FOR A COCKTAIL GLASS OR SIMILAR ARTICLE
Charles L. Fordyce, New York, N. Y., assignor to Koscherak Bros. Inc., New York, N. Y., a corporation of New York
Application January 21, 1942, Serial No. 105,347
Term of patent 7 years



The ornamental design for a cocktail glass or similar article, as shown and described.

133,777
DESIGN FOR AN AIRPLANE
Elsworth W. Gardenhire, Stockton, Calif.
Application November 28, 1941, Serial No. 104,365
Term of patent 14 years



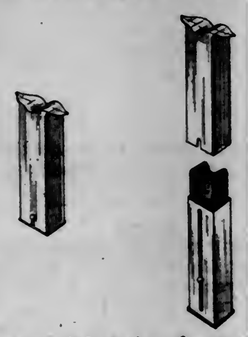
The ornamental design for an airplane, as shown.

133,778
DESIGN FOR A HANGING WHAT-NOT
Johan Gerard Homeijer, New York, N. Y.
Application December 12, 1941, Serial No. 104,605
Term of patent 3½ years



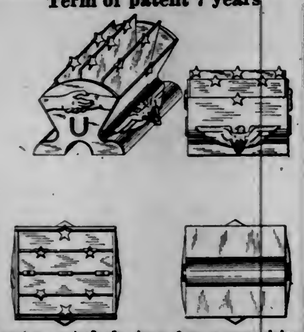
The ornamental design for a hanging what-not, substantially as shown.

133,779
DESIGN FOR A COMBINED LIPSTICK CONTAINER AND LIPSTICK
Eleanor Kairalla, New York, N. Y.
Application May 16, 1941, Serial No. 100,977
Term of patent 7 years



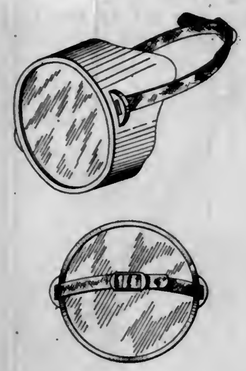
The ornamental design for a combined lipstick container and lipstick, substantially as shown.

133,780
DESIGN FOR A COMBINED MAGAZINE AND BOOK RACK
Peace Love, New York, N. Y.
Application June 18, 1942, Serial No. 107,232
Term of patent 7 years



The ornamental design for a combined magazine and book rack, as shown and described.

133,781
DESIGN FOR A DIVE MASK
Harold Leslie Messinger, Terminal Island, Calif., assignor to Sea-Net Manufacturing Co., Terminal Island, Calif.
Application January 4, 1941, Serial No. 97,802
Term of patent 14 years



The ornamental design for a dive mask, as shown.

133,782
DESIGN FOR A SCREW DRIVER
William H. Pfeiffer, Seattle, Wash.
Application May 13, 1942, Serial No. 106,882
Term of patent 3½ years



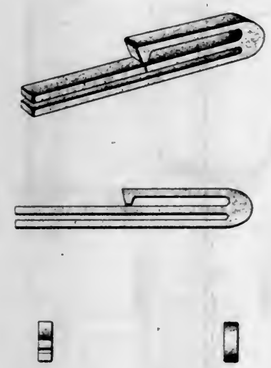
The ornamental design for screw driver, as shown and described.

133,783
DESIGN FOR A SAFETY DEVICE FOR HYPODERMIC NEEDLE
Franklin Porter, Chicago, Ill.
Application August 1, 1941, Serial No. 102,628
Term of patent 14 years



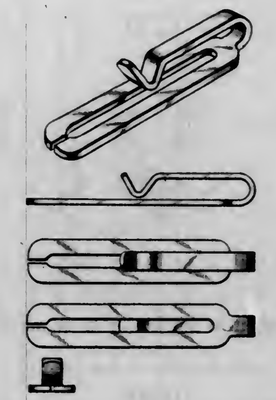
The ornamental design for a safety device for hypodermic needle, as shown.

133,784
DESIGN FOR A HAIR CURLER OR SIMILAR ARTICLE
Edwin Reynolds, Vineland, N. J.
Application May 8, 1942, Serial No. 106,830
Term of patent 14 years



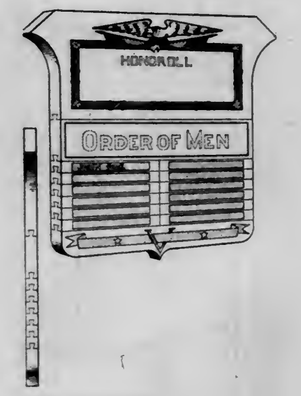
The ornamental design for a hair curler or similar article, substantially as shown.

133,785
DESIGN FOR A HAIR CURLER OR SIMILAR ARTICLE
Edwin Reynolds, Vineland, N. J.
Application May 11, 1942, Serial No. 106,855
Term of patent 14 years



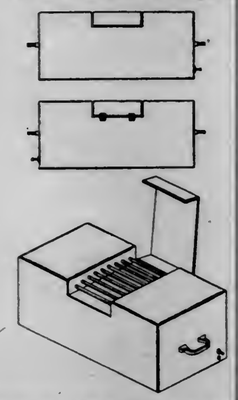
The ornamental design for a hair curler or similar article, substantially as shown.

133,786
DESIGN FOR A PLAQUE
Robert T. Usedom, Chicago, Ill.
Application June 24, 1942, Serial No. 107,326
Term of patent 3½ years



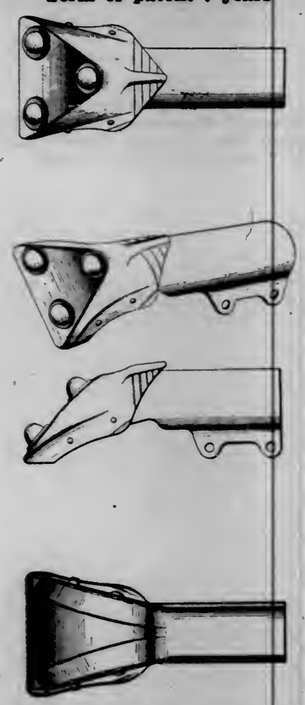
The ornamental design for a plaque, as shown.

133,787
DESIGN FOR AN OZONE GENERATOR
Harry H. Carroll, Long Beach, and William C. Wensel, Bellflower, Calif.
Application June 30, 1941, Serial No. 101,796
Term of patent 3½ years



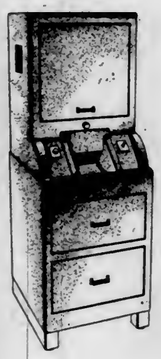
The ornamental design for an ozone generator, as shown.

133,788
DESIGN FOR AN AUTOMOBILE EXHAUST SHROUD
Louis A. Koch, Louisville, Ky.
Application January 12, 1942, Serial No. 105,123
Term of patent 7 years



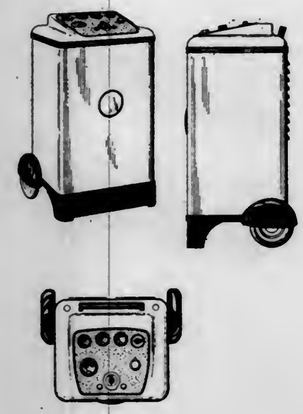
The ornamental design for an automobile exhaust shroud, as shown.

133,789
DESIGN FOR AN AUTOMATIC TELEGRAPH RECORDER
William J. Ramhorst, New York, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application July 30, 1941, Serial No. 102,572
Term of patent 14 years



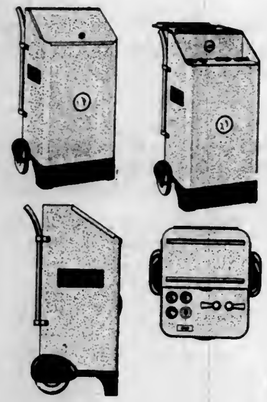
The ornamental design for an automatic telegraph recorder, as shown and described.

133,790
DESIGN FOR A BATTERY CHARGER
Charles G. Sherman and William P. Ryan, Kansas City, Mo., assignors to C. Earl Hovey, trustee, Kansas City, Mo.
Application December 18, 1941, Serial No. 104,699
Term of patent 7 years



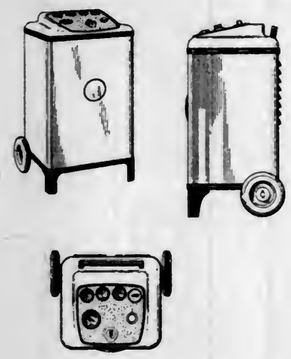
The ornamental design for a battery charger, as shown.

133,791
DESIGN FOR A STORAGE BATTERY CHARGER
Charles G. Sherman and William P. Ryan, Kansas City, Mo., assignors to C. Earl Hovey, trustee, Kansas City, Mo.
Application December 18, 1941, Serial No. 104,700
Term of patent 7 years



The ornamental design for a storage battery charger, as shown.

133,792
DESIGN FOR A COMBINED BATTERY CHARGER AND TESTER
Charles G. Sherman and William P. Ryan, Kansas City, Mo., assignors to C. Earl Hovey, trustee, Kansas City, Mo.
Application December 18, 1941, Serial No. 104,701
Term of patent 7 years



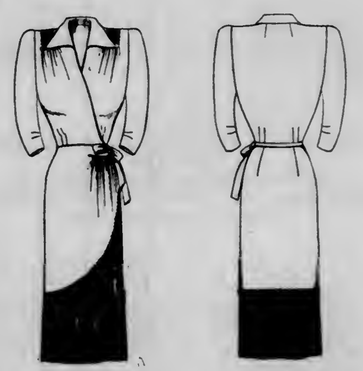
The ornamental design for a combined battery charger and tester, as shown.

133,793
DESIGN FOR A NEGLIGEE
Estelle Appel, New York, N. Y.
Application August 13, 1942, Serial No. 107,926
Term of patent 3½ years



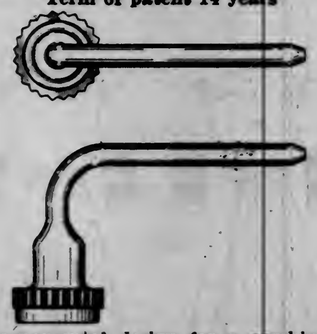
The ornamental design for a negligee, substantially as shown.

133,794
DESIGN FOR A DRESS
Louise Decker, New York, N. Y.
Application August 17, 1942, Serial No. 107,943
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,795
DESIGN FOR A COMBINED CANNULA AND HUB
William Erhard, North Bergen, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
Application January 14, 1942, Serial No. 105,206
Term of patent 14 years



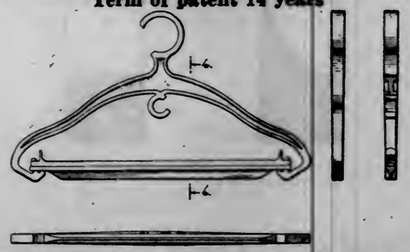
The ornamental design for a combined cannula and hub, substantially as shown and described.

133,796
DESIGN FOR A COAT
Harry Frechtel, New York, N. Y.
Application August 12, 1942, Serial No. 107,895
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

133,797
DESIGN FOR A COAT HANGER OR SIMILAR ARTICLE
Max L. Goldbert, New York, N. Y.
Application June 22, 1942, Serial No. 107,291
Term of patent 14 years



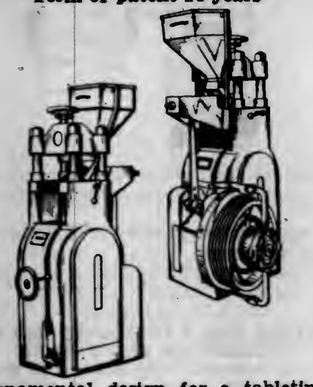
The ornamental design for a coat hanger or similar article, as shown.

133,798
DESIGN FOR A BELT
Louis Gottlieb, Brooklyn, N. Y., assignor to Lidz Bros. Inc., New York, N. Y., a corporation of New York
Application May 15, 1942, Serial No. 106,910
Term of patent 3½ years



The ornamental design for a belt, as shown and described.

133,799
DESIGN FOR A TABLETING MACHINE
Keith W. Hall, Toledo, Ohio, assignor to Defiance Machine Works, Inc., Defiance, Ohio, a corporation of Ohio
Application January 3, 1942, Serial No. 105,012
Term of patent 14 years



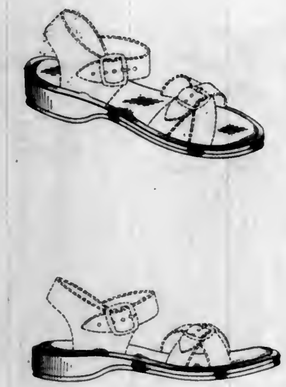
The ornamental design for a tableting machine, as shown.

133,800
DESIGN FOR A HOUSE COAT
Paige Salfeety, New York, N. Y.
Application July 21, 1942, Serial No. 107,640
Term of patent 7 years



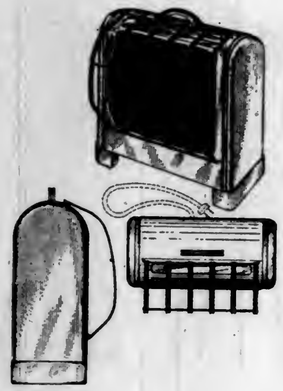
The ornamental design for a house coat, substantially as shown and described.

133,801
DESIGN FOR A SANDAL
Gardner M. Smith, St. Louis, Mo.
Application November 19, 1941, Serial No. 104,197
Term of patent 14 years



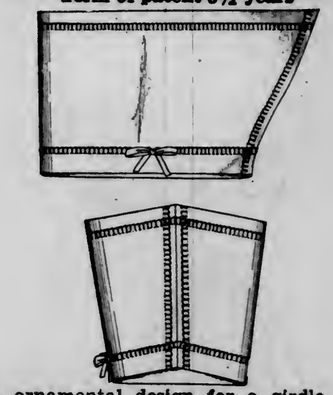
The ornamental design for a sandal, as shown and described.

133,802
DESIGN FOR AN ELECTRIC SPACE HEATER
George Steingruber, Shelbyville, Tenn.
Application January 16, 1942, Serial No. 105,242
Term of patent 14 years



The ornamental design for an electric space heater, as shown.

133,803
DESIGN FOR A GIRDLE ANCHOR
William C. Wagner, New York, N. Y.
Application June 15, 1942, Serial No. 107,208
Term of patent 3½ years



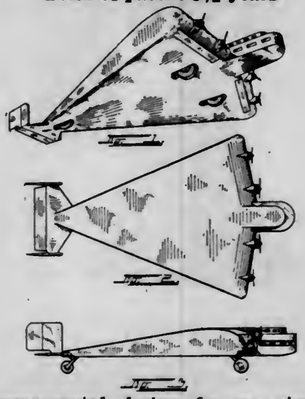
The ornamental design for a girdle anchor, substantially as shown.

133,804
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Abraham Gerber, Haverhill, Mass.
Application January 16, 1942, Serial No. 105,245
Term of patent 3½ years



The ornamental design for a shoe or similar article, as shown and described.

133,805
DESIGN FOR AN AIRPLANE
Alex C. Bierig, Denver, Colo.
Application March 10, 1942, Serial No. 106,124
Term of patent 3½ years



The ornamental design for an airplane, as shown.

133,806
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application August 24, 1942, Serial No. 108,006
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,807
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application August 24, 1942, Serial No. 108,007
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,808
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application August 26, 1942, Serial No. 108,037
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,809
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application August 26, 1942, Serial No. 108,038
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,810
DESIGN FOR A DRESS
Lee Clarke Hawxhurst, New York, N. Y.
Application August 24, 1942, Serial No. 108,008
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,811
DESIGN FOR A DRESS
Lee Clarke Hawxhurst, New York, N. Y.
Application August 24, 1942, Serial No. 108,009
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,812
DESIGN FOR A DRESS
Lee Clarke Hawxhurst, New York, N. Y.
Application August 24, 1942, Serial No. 108,010
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,813
DESIGN FOR A DRESS
Lee Clarke Hawxhurst, New York, N. Y.
Application August 24, 1942, Serial No. 108,011
Term of patent 3½ years



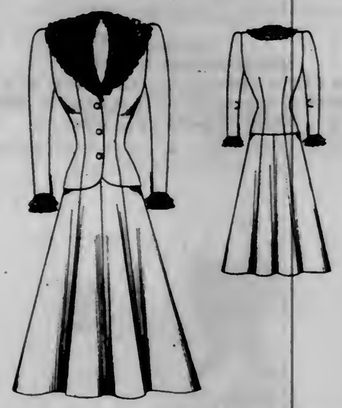
The ornamental design for a dress, substantially as shown.

133,814
DESIGN FOR A DRESS
Lee Clarke Hawxhurst, New York, N. Y.
Application August 24, 1942, Serial No. 108,012
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,815
DESIGN FOR A DRESS
Lee Clarke Hawxhurst, New York, N. Y.
Application August 24, 1942, Serial No. 108,013
Term of patent 3½ years



The ornmental design for a dress, substantially as shown.

133,816
DESIGN FOR A SLIP
Sam Landau, New York, N. Y.
Application January 5, 1942, Serial No. 105,020
Term of patent 3½ years



The ornamental design for a slip, substantially as shown and described.

133,817
DESIGN FOR A TEXTILE FABRIC
Henry W. Sandground, Larchmont, N. Y.
Application August 5, 1942, Serial No. 107,824
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

Patents Nos. 2,296,298 to 2,296,823

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 542—No. 4 TUESDAY, SEPTEMBER 22, 1942 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.
PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.
CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of September 22, 1942	597
Interference Notices	597
Suggestion for the Use of Coupons	597
Adverse Decisions in Interference	597
Trade-Mark Registrations Canceled	597
Applications Under Examination	598
Decisions of the U. S. Courts—	
Boucher Inventions, Ltd., and Charles P. Boucher v. Sola Electric Company and Joseph G. Sola	599
In re Camp	602
In re DeGroote et al	604
In re Smith	606
Patent Suits	607
Adjudicated Patents	608
Trade-Marks Published (94 Applications)	609
Trade-Mark Registrations Granted	619
Trade-Mark Registrations Renewed	625
Reissues	627
Patents Granted	629
Designs	771

SEPTEMBER 22, 1942

Trade-Marks	132—No. 397,738 to No.	397,869, inclusive.
T. M. Renewals	30	
Reissues	5—No. 22,179 to No.	22,183, inclusive.
Patents	586—No. 2,296,238 to No.	2,296,823, inclusive.
Designs	82—No. 133,818 to No.	133,899, inclusive.
Total	835	

Interference Notices

U. S. PATENT OFFICE, *Richmond, Va., Aug. 24, 1942.*

Clifford W. Pfluger, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Jack's, 122 West Franklin St., Baltimore, Md., for registration of a trade-mark and trade-mark registered June 20, 1933, No. 304,045, to Clifford W. Pfluger, 609 West 158th St., New York, N. Y., and the notice of such proceeding sent by registered mail to said Pfluger at the said address and reforwarded to him at 1218 University Ave., New York, N. Y., having been returned by the post office undeliverable, notice is hereby given that unless said Clifford W. Pfluger, his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Aug. 28, 1942.*

Bake-Rite Oven Mfg. Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Wilson & Co., Inc., 4100 South Ashland Avenue, Chicago, Illinois, for registration of a trade-mark and trade-mark registered September 26, 1922, No. 159,269, to Bake-Rite Oven Mfg. Co., 603–605 Hearst Building, San Francisco, California, and the notice of such proceeding sent by registered mail to said Bake-Rite Oven Mfg. Co. at the said address and reforwarded to it at Reno, Nevada, having been returned by the post office undeliverable, notice is hereby given that unless said Bake-Rite Oven Mfg. Co., its assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Suggestion for the Use of Coupons

The execution of orders for printed copies of U. S. patents, trade-marks, etc., will be considerably expedited if coupons are used. Such coupons may be purchased at the Patent Office in lots of 20 at $2.00 and 100 at $10.00.

Coupon orders do not have to be accompanied by letters of transmittal. They require nothing but the filling in of the patent number, the name of the inventor, the date of issue, and the name and address of the party desiring the service.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,219,270, J. H. K. McCollum et al., Automatic clutch actuating mechanism, decided August 21, 1942, claims 4, 5, 6, 19, 20, 21, 22, 23, 25, 28, 33, 34, 36, 37, 38, 39, and 41.

Pat. 2,277,443, Callard Livingston, Switchstock assembly, decided August 22, 1942, claim 1.

Trade-Mark Registrations Canceled

207,336. Canned corn. The Rossville Packing Co., Rossville, Ill. Registered December 29, 1925. Canceled August 5, 1942.

229,087. Refrigerating apparatus. General Refrigeration Company, South Beloit, Ill. Registered June 21, 1927. Canceled September 2, 1942.

353,695. Rectal suppositories. John C. Benson, Flint, Mich. Registered January 11, 1938. Canceled August 5, 1942.

388,940. Color coating material. Cosmo-Q Corporation, Madison, Wis. Registered July 15, 1941. Canceled August 5, 1942.

391,439. Alloy metal iron castings. Diamond Iron Works, Inc., Minneapolis, Minn. Registered November 11, 1941. Canceled September 2, 1942.

Condition of Applications Under Examination at Close of Business September 5, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,565; Trade-Mark Division, 924. Oldest new case, Oct. 20, 1941; oldest amended, Oct. 28, 1941.)
(The dates given are 1942 except where † indicates 1941)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Domestic Cooking Vessels; Sewerage.	Jan. 22	Feb. 19	596
2. HERRMANN, D., Fishing and Trapping; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Jan. 27	Jan. 17	468
3. WOLFFE, S. (Acting), Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 2	Feb. 4	877
4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Feb. 21	Mar. 7	483
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 11	Apr. 11	238
6. GENIESSE, E. W., Carbon Chemistry (part)	†Dec. 31	Jan. 10	1302
7. JARBOE, C. G., Optics, Photography	†Dec. 12	†Dec. 9	1255
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Jan. 30	Feb. 20	711
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 17	Feb. 16	356
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	May 21	May 4	294
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Stop Mechanisms	Mar. 4	Mar. 2	399
13. BORLIK, F. J., Metal Working (part); Gear Cutting, Milling and Planing; Needle and Pin Making	†Dec. 22	†Dec. 12	661
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Mar. 30	Apr. 2	613
15. HENKIN, BENJ., Glass, Plastic Block and Earthenware Apparatus; Plastics	†Dec. 18	†Dec. 17	1129
16. SPENCER, C. J., Telegraphy; Telephony	Feb. 12	Feb. 21	746
17. HABECKER, LEON B. (Acting), Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	†Nov. 14	†Nov. 17	1013
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Feb. 11	Jan. 9	531
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	†Dec. 13	Jan. 21	762
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part)	Jan. 28	Apr. 15	336
21. THOMPSON, T. J., Textiles	Mar. 28	Apr. 20	341
22. RINGLE, D., Aeronautics; Firearms; Ordnance and Explosive Devices	†Nov. 17	†Nov. 17	1787
23. BARROWS, B., Cash Registers; Calculators (part)	Jan. 7	Jan. 22	174
24. KISSINGER, M. C. (Acting), Apparel; Apparel Apparatus; Sewing Machines	Mar. 21	Mar. 12	702
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 7	Apr. 15	273
26. YOUNG, R. R., Electricity—Generation and Motive Power	Feb. 21	Mar. 5	417
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Mar. 13	Jan. 5	275
28. SOLYOM, H. L., Internal-Combustion Engines (part); Cylinders and Pistons	Apr. 18	Feb. 13	210
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Mar. 5	Mar. 4	520
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 21	May 14	265
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Mar. 11	Mar. 11	1325
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Feb. 2	Mar. 16	803
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	Mar. 11	Mar. 9	627
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	May 5	Apr. 25	412
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles	Jan. 7	†Dec. 6	981
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	†Dec. 22	Feb. 10	508
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 20	May 11	420
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Mar. 19	Mar. 19	582
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	May 14	May 14	287
40. DRUMMOND, E. J., Receptacles	Jan. 30	Jan. 30	1369
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Mar. 9	Mar. 14	507
42. MARANS, H., Electric Signaling	Feb. 18	Feb. 14	562
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Azo Compounds.	†Nov. 1	†Oct. 28	1018
44. HARVEY, L. P., Refrigeration	Apr. 17	Feb. 16	356
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Apr. 1	Apr. 1	765
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Heating Systems; Coating Apparatus.	†Dec. 26	†Dec. 26	761
47. KANOF, WM. J., Clutches and Power Stops; Brakes; Boring and Drilling; Land Vehicles (part)	Jan. 30	Feb. 6	1086
48. ROEPKE, O. B., Electricity, General Applications; Igniters	†Dec. 15	†Dec. 22	810
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 13	Mar. 4	573
50. LEVIN, SAMUEL, Resins; Rubber; Carbohydrates and Derivatives	Feb. 5	Feb. 5	1628
51. BACKUS, C. D., Radiant Energy	Mar. 19	Mar. 19	657
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Apr. 24	Apr. 18	286
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Curtains, Shades and Screens; Cutlery.	Jan. 26	Mar. 16	401
54. STRACHAN, O. W., Electric Lamp and Discharge Devices (part)	Apr. 9	Apr. 16	527
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery	May 18	June 6	152
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Laminated Fabrics (part); Paper Making	Jan. 8	Jan. 9	1371
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks	†Dec. 19	Apr. 25	348
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working	May 15	May 21	258
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds; Compositions (part).	†Oct. 20	†Nov. 12	1754
60. GLASS, R. L., Electricity, Heating and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Marine Propulsion; Consumable Electrode Lamp and Discharge Devices.	Apr. 4	Apr. 4	376
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Laminated Electrical Insulation, Belt, Hose, Tire and Ball Making; Boats and Buoys.	Jan. 10	Jan. 14	946
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Nov. 13	†Nov. 25	412
63. WINKELSTEIN, A. H., Preserving; Poisons; Fermentation; Foods and Beverages; Proteins; Oils and Fats.	†Dec. 8	†Dec. 12	1306
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Distillation; Fuel	Feb. 20	Feb. 20	1574
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays.	Feb. 20	Feb. 23	466
Trade Marks: RICHMOND, F. A.	July 25	Aug. 17	924
Designs: KALUPY, H. H.	Aug. 5	Aug. 20	356

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

BOUCHER INVENTIONS, LTD., AND CHARLES P. BOUCHER
v.
SOLA ELECTRIC COMPANY AND JOSEPH G. SOLA

No. 7,827. Decided June 30, 1942

1. INTERFERENCE—REDUCTION TO PRACTICE—TESTS AT TRIAL OF SUIT UNDER SECTION 4915 R. S.

Where patentee S in 1933, and prior to the filing of his patent application, made and tested two devices embodying the invention commonly disclosed in that application and the interfering application of B, and then, at the insistent demand of B, again tested one of these devices during the trial in 1940 of a suit under section 4915 R. S. brought by B *Held* that, by the results of these two tests taken together, S showed that the devices worked when they were made in 1933.

2. SAME—SAME—SAME.

Where, at the insistent demand of plaintiff B, defendant S tested a device during the trial in 1940 of a suit under section 4915 R. S. *Held* that B was in no situation to urge that said test could not relate back to the date of laboratory tests in 1933 to show that the invention embodied in the device was then reduced to practice.

3. SAME—SAME—SAME.

"Having demanded the test, insisted upon it, received compliance at grave risk to the opposing party, and having no reasonable basis for questioning the sufficiency of the test or that the models were in the identical condition they had in 1933, plaintiff must accept the consequences. In the absence of any evidence of alteration or tampering, the test during trial showed that the identical exhibits with which the 1933 tests were made worked in 1940, though then several years old, and the clear inference is that they were workable and the invention had been reduced to practice in 1933."

4. SUIT UNDER SECTION 4915 R. S.—INTERFERENCE—EVIDENCE.

Where, in an interference proceeding in the Patent Office, B rested his case on his untested Exhibit B, and withheld tested Exhibit AR until the trial of a suit brought by him under section 4915 R. S.; and where the only explanation offered to explain B's conduct was that different counsel represented him in the Patent Office and may have failed to submit the tested exhibit through oversight or inadvertence *Held* that the explanation was not convincing and that the conduct of B raised serious question whether said tested Exhibit AR should have been received in evidence.

5. SAME—SAME—SAME.

"The practice, under section 4915 as well as within the Patent Office itself, contemplates a full disclosure to that Office, so far as is reasonably possible, particularly in relation to models, exhibits, drawings, etc. While the 4915 suit is de novo and permits introduction of evidence not presented to the Patent Office, it does not contemplate the suppression or the withholding of evidence so readily available and of such importance as was exhibit AR or oversight of such glaring proportions."

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

STEPHENS, *A. J.*, dissenting.

Mr. Herbert S. Ward (*Messrs. John Howard Joynt* and *Scott D. Kellogg* of counsel for Boucher Inventions, Ltd., and Charles P. Boucher.

Mr. Leslie W. Fricke (*Mr. Nelson J. Jewett* of counsel) for Sola Electric Company and Joseph G. Sola.

Before STEPHENS, VINSON, and RUTLEDGE, Associate Justices

RUTLEDGE, *A. J.*:

The suit is to obtain Letters Patent, filed by Boucher[1] pursuant to Rev. Stat. § 4915 (1878), 35 U. S. C. 63 (1934). The question is one of priority, which in turn rests on reduction to practice.

The invention eliminates the danger of burning out from short circuits in the secondary coils of transformers used in lighting electric neon lights or neon tubes. Sola conceived it early in 1933. His application was filed August 27, 1935, Boucher's on September 20, 1935. The Commissioner of Patents declared an interference between Boucher as junior and Sola as senior party. The Patent Office found in Sola's favor and issued a patent to him. The district court also decided for him. Its findings and conclusions are reported in 35 F. Supp. 504 (1940). The chief issue here is whether the evidence sustains the finding that Sola reduced his invention to practice before Boucher did. We think it does, and the judgment should be affirmed.

[1] It is admitted that Sola was prior in conception. In 1933 he built two models, exhibits 5 and 17. He claims that these were sufficient to reduce the invention to practice. Plaintiff says they were insufficient. Sola apparently did nothing further until August 27, 1935, when he filed his application. Boucher claims he conceived and reduced the invention to practice in May and June of 1935. To sustain the claim he relies upon his exhibits B and AR. The former was in evidence before the Patent Office, but was never tested, apparently because it was never insulated properly to avoid danger from testing,[2] exhibit AR was not in evidence before the Patent Office, but was received in the trial court. It was tested both in plaintiff's laboratory and in that of Underwriters' Laboratories. There was some evidence of commercial use. Exhibits B and AR were constructed in May and June, 1935, and the latter was tested in June or early July of that year.

Boucher's burden was to show two things: first, that Sola's reduction to practice was not sufficient; second, that his own was successful. We consider first the evidence relating to Sola's exhibits. It is hardly necessary to note that reduction to practice does not require commercial success or usage.[3] We think the evidence clearly shows that Sola's models

[1] The corporate parties, plaintiff and defendant, assignees of the respective individual claimants to invention, are designated with their assignors, respectively, by the latters' names.

[2] There is some evidence of operation in the record, including demonstration when not fully loaded. But at the oral argument it was admitted this exhibit had never been tested, for the reason stated.

[3] *Hildreth* v. *Mastoras*, 257 U. S. 27, 34 (1921), 293 O. G. 215; *Winkley* v. *Cogswell*, 57 App. D. C. 206, 19 F.(2d) 680 (1927), 364 O. G. 1022; *Berry* v. *Behn Aluminum & Brass Corp.*, 29 F. Supp. 516, 521 (E. D. Mich. 1939); cf. *Downs* v. *Andrews*, 58 App. D. C. 91, 25 F.(2d) 218 (1928), 372 O. G. 1011; *Westinghouse Electric & Mfg. Co.* v. *Wadsworth Electric Mfg. Co.*, 51 F.(2d) 447 (C. C. A. 6th, 1931), cert. denied, 284 U. S. 650 (1931).

(exhibits 5 and 17) work, and worked when they were made in 1933.

Two tests, or series of laboratory tests, were made, one in 1933, one during the trial at plaintiff's insistence. Taken together, the results of the two tests or series demonstrate workability beyond question. In the 1933 tests, the models were hooked up with neon tubes, which they lighted successfully, and were operated for fifteen minutes. The models did not burn out. Plaintiff says this length of time was not sufficient to show they would not burn out under conditions of practical operation. It is said several hours, perhaps even days, of continuous operation would be required to demonstrate that they would withstand short circuiting.

We need not determine whether such a degree of perfection would be required,[4] or whether the evidence concerning the 1933 tests, standing alone, would be sufficient. It does not stand alone. During the trial plaintiff demanded that exhibit 5 be subjected to further tests of several hours' continuous operation. Plaintiff was confident, apparently, that the model would not withstand the test. Defendant was reluctant to comply, because the model was then several years old and counsel feared the factor of age and deterioration might affect the operation adversely. But defendant met the challenge when plaintiff repeated it insistently.

[2] The test was run for full six hours, during an afternoon when the court was not in session, in accordance with the agreement for submitting to it. Plaintiff and his attorneys were present. The verdict of the test was against them. But they did not accept it. Instead, they insisted the test continue all night. Defendant's attorney declined on the grounds this was unreasonable and the agreement had been complied with fully. At the oral argument plaintiff's attorney conceded if the test made during the trial had been made in 1933, "I would not be in this court now." The position is taken that this test cannot relate back to the date of the laboratory tests in 1933 to show that the invention was then reduced to practice.

[3] Whatever might be true under other circumstances, plaintiff is in no situation to urge this position after demanding and insisting upon the test, and then insisting it continue beyond the agreed time, when the result was not to his liking. Had the result been the contrary one, it may be assumed without violence to the facts in this case that plaintiff's position would be equally insistent that the test during trial be taken as evidence that the invention was not reduced to practice in 1933. Having demanded the test, insisted upon it, received compliance at grave risk to the opposing party, and having no reasonable basis for questioning the sufficiency of the test or that the models were in the identical condition they had in 1933, plaintiff must accept the consequences. In the absence of any evidence of alteration or tampering, the test during trial showed that the identical exhibits with which the 1933 tests were made worked in 1940, though then several years old, and the clear inference is that they were workable and the invention had been reduced to practice in 1933.

[4] This is sufficient to dispose of the appeal. But we may point out that Boucher's action in resting his case before the Patent Office on his untested exhibit B, withholding the tested exhibit AR until the trial in the district court, would raise serious question whether, in the peculiar circumstances, the latter should have been received in evidence, and therefore whether there was sufficient evidence, apart from that relating to exhibit AR, to sustain a finding that Boucher had reduced the invention to practice before Sola's application was filed. Again at the oral argument the only explanation which was offered for this unusual conduct was that counsel appearing here had not acted before the Patent Office, and his associate who presented the matter there may have failed to submit the tested exhibit through oversight or inadvertence. The explanation is not convincing. Boucher's invention and reduction to practice rested on two, and only two, exhibits. One was B, never tested, and therefore no evidence of workability. The other was AR, tested and, it may be assumed, shown by the test to be fully workable. If only one model was to be presented, the clearly indicated and only sufficient one for the purpose was the model kept without the Patent Office's purview. It seems impossible that an exhibit of such importance could have been overlooked or left out by inadvertence.

[5] The practice, under section 4915 as well as within the Patent Office itself, contemplates a full disclosure to that office, so far as is reasonably possible, particularly in relation to models, exhibits, drawings, etc. While the 4915 suit is de novo and permits introduction of evidence not presented to the Patent Office, it does not contemplate the suppression or the withholding of evidence so readily available and of such importance as was exhibit AR or oversight of such glaring proportions.[5] We have added these views, first, to indicate that if the evidence concerning Sola's reduction to practice were less conclusive than it is, still there would be serious question whether the record contains admissible evidence to show that Boucher reduced the invention to practice prior to the filing of Sola's application. We have added them also, though not strictly necessary for decision of the cause, to avoid, by admonition, if possible, the necessity for making decision on such a ground in another case, in which the consequences might be more serious.

Other questions presented are not of sufficient importance to require statement or consideration in the opinion. The evidence is clearly sufficient to sustain the findings, and the judgment is affirmed.

STEPHENS, *A. J.* (dissenting):

I think this case should be remanded for further findings. The pertinent dates are as follows:[6] Sola's conception was in January, 1933; Sola's alleged reduction to practice was February 1, 1933; Boucher's conception was in March or April, 1935. Boucher's alleged reduction to practice was in March or April, 1935 (in respect of exhibit B), June or July, 1935 (in respect of exhibit AR); Sola's filing date (constructive reduction to practice) was August 27, 1935; Boucher's filing date (constructive reduction to practice) was September 20, 1935.

The finding below was in favor of Sola on the ground that he alone had made an actual reduction to practice. I think this finding was not warranted by the evidence. The essential purpose of the invention in question is that of preventing burning out of the secondary coils of a transformer as the result of the increased current which is occasioned by the lowered resistance which follows upon a short circuit. Sola's asserted reduction to practice is based upon tests of exhibits 5 and 17 in 1933. The test of exhibit 5 is shown, so far as the results are concerned, in exhibit 6, a penciled tabulation. What this shows, so far as it relates to the secondary coils, is merely this: When both secondary coils were short circuited, current flowed through them at a rate of 27.7 milliamperes. When the secondary coils were connected to neon tubes of varying lengths (ranging from 5 to 55 feet) current flowed through the secondary coils at rates varying from 27.4 milliamperes (when the coils were connected to a 5 foot tube) to 20.5 milliamperes (when the coils were connected to a 55 foot tube). When one of the secondary coils was short circuited—the other being left in open circuit—the current flowed through it at a rate of 40.5 milliamperes; when the other secondary coil was short circuited—the one previously short circuited being left in open circuit—current flowed through it at a rate of 41.0 milliamperes. The testimony of Sola's own witnesses is that it took but fifteen minutes to make the test recorded in exhibit 6. That being true, the trials made on the secondary coils while one was short circuited and the other in open circuit could have occupied only a small portion of the fifteen minutes. Obviously, therefore, there could have been in this test no demonstration of the success of Sola's device so far as its essential purpose of preventing burning out is concerned. Sola's witness Dickson testified:

> X Q. 33. Would you consider a short circuit current in one coil, amounting, say, to 41 milliamperes, a safe current—that is, safe from the standpoint of the life of the coil? A. That would have to be checked. The units which are now in production have been tested, referring to exhibit 27, have been tested and are safe. However, exhibit 5 was merely a test to see whether the principle, not the transformer, in question, was any good.

The record shows that the test of exhibit 17, the results of which are shown in the penciled tabulation exhibit 18, was not made for the purpose of demonstrating how the model would function on short circuiting of one of the secondary coils. This test was run in the large for the purpose of checking on the cost of production. The 1933 tests, taken alone, therefore fail to show reduction to practice.

The majority take the view that the 1933 tests may, however, be validated by considering them in connection with the test made of exhibit 5 at the time of the trial in 1940. The record shows that exhibit 5 was run through a six-hour test during a recess of court and that it operated successfully in the sense that, although a short circuit was deliberately developed at the outset, the transformer did not burn out. But however successful the test made at the time of the trial may be said to have been, it is in my opinion erroneous to permit this test to apply nunc pro tunc so as to validate the insufficient tests of 1933. The question involved in an issue of reduction to practice is not whether an invention would theoretically work but whether it actually did operate successfully.[7] *Mason* v. *Hepburn*, 13 App. D. C. 86 (1898); *Hunter* v. *Strikeman*, 13 App. D. C. 214 (1898); *Paul* v. *Hess*, 24 App. D. C. 462 (1905), 115 O. G. 251; *Gallagher* v. *Hien*, 25 App. D. C. 77 (1905), 115 O. G. 1330; *O'Connell* v. *Schmidt*, 27 App. D. C. 77 (1906), 122 O. G. 2065; *Wickers* v. *McKee*, 29 App. D. C. 4 (1907), 129 O. G. 869; *Sydeman* v. *Thoma*, 32 App. D. C. 362 (1909), 141 O. G. 866; *Pool* v. *Dunn*, 34 App. D. C. 132 (1909), 151 O. G. 450; *Henderson* v. *Gilpin*, 39 App. D. C. 428 (1912), 187 O. G. 231; *Malcolm* v. *Richards*, 47 App. D. C. 582 (1918), 250 O. G. 1000. The following quotation from *Henderson* v. *Gilpin*, supra, reflects the law expressed in these cases:

> . . . It is not enough . . . that these . . . tests indicated that the operation of the device would be successful. To constitute reduction to practice, a test must amount to a demonstration in fact, as contradistinguished from one in theory. [39 App. D. C. at 431.]

As I have indicated above the defect in the 1933 tests was that Exhibit 5 was not operated for a long enough time to demonstrate that it actually functioned to prevent burning out of the transformer when short circuiting occurred in the secondary coils. The fact that the test at the time of the trial in 1940 did demonstrate that Exhibit 5 operated successfully to this end is no evidence that it operated successfully to the same end in 1933. It is only evidence that if the 1933 test had been carried on for an extended period it probably would have demonstrated the same successful operation as was shown in 1940. See the following authorities discountenancing an attempt to use a test in respect of reduction to practice nunc pro tunc. *Smith* v. *Warnock*, 50 App. D. C. 326, 271 Fed. 556 (1921), 287 O. G. 195; *Derr* v. *Gleason*, 49 App. D. C. 69, 258 Fed. 969 (1919), 264 O. G. 864.

Since the evidence fails to support the finding that Sola made an actual reduction to practice the case

---

[4] Cf. *Corona Co.* v. *Dovan Corp.*, 276 U. S. 358 (1928), 370 O. G. 1011; *Leichsenring* v. *Freeman*, 103 F.(2d) 378 (C. C. P. A. 1939), 507 O. G. 228; *Harlan* v. *Bregman*, 39 F.(2d) 494 (C. C. P. A. 1930), 396 O. G. 347; *Goodwin Film & Camera Co.* v. *Eastman Kodak Co.*, 207 Fed. 351 (W. D. N. Y. 1913), aff'd, 213 Fed. 231 (C. C. A. 2d, 1914).

[5] *Greene* v. *Beidler*, 58 F.(2d) 207, 209 (C. C. A. 2d, 1932), 425 O. G. 614; *Barrett Co.* v. *Koppers Co.*, 22 F.(2d) 395, 397 (C. C. A. 3d, 1927), 367 O. G. 701; *O'Donnell* v. *United Shoe Machinery Corp.*, 2 F. Supp. 178, 181 (D. Mass. 1933); cf. *Perkins* v. *Lawrence Sperry Aircraft Co.*, 57 F.(2d) 719, 720 (E. D. N. Y. 1932); *Dowling* v. *Jones*, 67 F.(2d) 537, 538 (C. C. A. 2d, 1933); *Wright* v. *Runge*, 31 F. Supp. 844 (D. C. 1939), 515 O. G. 285.

[6] There was no finding on the subject of conception and none on the subject of Boucher's reduction to practice. I take the dates on these topics from the evidence.

[7] There is an exception not applicable here in the case of very simple machines whose mere construction is accepted by the patent law as a demonstration of workability.

should in my opinion be remanded for a finding upon the question whether or not Boucher made an actual reduction to practice and when, and for further evidence on that subject if necessary. If Boucher did make an actual reduction to practice in March or April, 1935 (in respect of exhibit B), or in June or July, 1935 (in respect of Exhibit AR), he would, in this aspect of the case (aside from a question of diligence to be mentioned below), prevail over Sola whose constructive reduction to practice by filing was not until August 27, 1935. If Boucher did not make an actual reduction to practice then Sola would prevail, in this aspect of the case, by virtue of his prior filing date, Boucher not having filed until September 20, 1935.

If, however, the court should find that Boucher did reduce to practice in March or April or in June or July, 1935, a further issue will then arise which should also be determined and be made the subject of a finding—that is the question of diligence by Sola. For even if Boucher made an actual reduction to practice in March or April or in June or July, 1935, still, since Sola's conception was in January, 1933, and therefore first, Sola would prevail over Boucher if Sola was diligent in the development of his invention from immediately prior to March or April, 1935, that is to say, from immediately prior to whatever is found to be Boucher's conception date, up to the time of Sola's filing on August 27, 1935. The trial court made no finding either on the issue of actual reduction to practice by Boucher or upon the question of diligence by Sola—undoubtedly for the reason that it concluded that Sola had reduced to practice.

I disagree with that part of the majority opinion which implies, although it does not conclusively rule, that the trial court ought not have permitted Boucher to introduce at the trial evidence of the test of exhibit AR for the reason that such evidence was not introduced in the interference proceeding in the Patent Office. I think this implication of error not supportable. At the trial Boucher explained that the reason he did not introduce this evidence in the Patent Office proceeding was that he did not at that time realize the value of proving in an interference proceeding that his invention had been completely finished and embodied in commercial form. The trial judge apparently accepted this explanation as true. He ruled that in view of the fact that Boucher had not omitted to introduce the evidence in the Patent Office proceeding with an intention of concealment the evidence was properly admissible at the trial. The judge relied upon a former decision of his own in *Wright* v. *Runge*, 31 Fed. Supp. 844 (1939). I think the judge's ruling was correct. Proceedings under Rev. Stat. § 4915 are de novo; that is, that section gives the parties a right to introduce evidence other than that which was introduced in the Patent Office proceedings. The cases relied upon by Sola as requiring the exclusion of the evidence in question spring from the case of *Barrett Co.* v. *Koppers Co.*, 20 F.(2d) 395 (C. C. A. 3d, 1927), 367 O. G. 701. In that case the party plaintiff in a § 4915 proceeding had refused to allow his witness to testify in the Patent Office to certain matters relevant to an issue of priority. He sought to introduce the testimony of these witnesses on these same matters in the § 4915 suit but was forbidden to do so. On appeal that exclusion was sustained. The circuit court of appeals held that, in view of the suppression of the evidence in question in the Patent Office proceeding, to allow its introduction in the § 4915 proceeding would be to permit the party offering the evidence to profit by its own "technical wrong-doing." It is evident that the decision was reached upon a theory of estoppel, or of quasi-estoppel, which the court based upon the losing party's intentional wrong-doing. In *Dowling* v. *Jones*, 67 F.(2d) 537, 538 (C. C. A. 2nd 1933) Judge Learned Hand in a dictum had the following to say about this case:

> . . . In *Barrett Co.* v. *Koppers* . . . The third circuit refused to consider evidence which the inventor had deliberately suppressed in the interference, and used broader language than the exact situation required, which we quoted with approval in *Greene* v. *Beidler*, 58 F.(2d) 207, 209, 210, 425 O. G. 614. However, it does not follow that it would have extended the doctrine to evidence not suppressed, but merely neglected through the plaintiff's slackness in preparation. *Perkins* v. *Lawrence Sperry Aircraft Co.* (D. C.) 57 F.(2d) 719, 720, did so extend it, but we need not approve. The question is doubtful and we prefer to leave it open, for it is not necessary to answer it here. [67 F.(2d) at 538.]

In *Wright* v. *Runge*, cited above, the trial judge, after pointing out that the plaintiff in that case had not deliberately suppressed evidence, said:

> It may well be that the plaintiff might be estopped from offering testimony here that he had suppressed in the Patent Office, but the mere failure to exercise the highest degree of diligence in producing evidence before the Patent Office would not, in my opinion, prevent its introduction here.
>
> While it might have been possible in the instant case for the plaintiff to have procured some of the evidence introduced here before the Patent Office, I do not think that his failure to do so estopped him from offering it here. There is no showing that the defendant was surprised as to its introduction, nor that he could produce evidence to overcome its effect. [31 F. Supp. at 845.]

I think the decision in *Wright* v. *Runge* was correct and that we cannot say in the instant case that the trial judge ought not have believed Boucher's explanation of his omission to introduce the evidence in question in the Patent Office proceeding.

U. S. Court of Customs and Patent Appeals

IN RE CAMP

No. 4,601. Decided April 27, 1942

[127 F.(2d) 299]

PATENTABILITY—TRAFFIC GUARD.

Certain claims of appellant's application relating to a traffic guard *Held* patentable over the prior art, but another claim *Held* unpatentable.

APPEAL from Patent Office. Modified.

Mr. K. Wilson Corder for Camp.

Mr. W. W. Cochran (*Mr. Clarence W. Moore* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

The application for patent here involved relates to traffic guards for highways—"more specifically", the specification states, "to a new and improved spring post for use in conjunction with highway guard rails." Ten claims of the application (stated in the brief for appellant to be "relatively narrow") were allowed by the Examiner, but seven claims of broader scope were rejected by him as unpatentable over prior art cited. Upon appeal the Board of Appeals affirmed the rejection by the Examiner and the applicant appealed to this court for review of the Board's decision.

The claims upon appeal read:

> 3. A traffic guard comprising a series of posts, said posts consisting of a plurality of springs, and an impact member disposed longitudinally of said posts.
>
> 4. A traffic guard comprising a series of leaf spring posts, and an impact member disposed longitudinally and entirely to one side of said posts.
>
> 5. A guard rail comprising a flexible sheet metal band disposed entirely to one side of a series of spaced resilient spring metal posts.
>
> 6. A guard rail comprising a flexible sheet metal band disposed entirely to one side of a series of leaf spring metal posts.
>
> 9. A traffic guard comprising a series of supports, and a resilient impact member disposed to one side of said supports with a portion of said impact member at the support passed between portions of said support.
>
> 19. A traffic guard comprising a series of offset resilient spring metal posts and an impact member disposed longitudinally thereof.
>
> 26. A guard rail comprising a series of spaced resilient spring metal posts, and a sheet metal band passed through said series of posts longitudinally thereof.

The references listed in the decision of the Board are: McDougall, 351,194, October 19, 1886; Lieb, 449,125, March 31, 1891; Michod, 1,106,826, August 11, 1914; Brown (British), 201,751, August 9, 1923; Boyle, 1,922,878, August 15, 1933; Benedict, 1,927,303, September 19, 1933; Edge, 1,970,954, August 21, 1934; McFadden et al., 2,013,716, September 10, 1935; Shepherd, 2,093,577, September 21, 1937.

Appellant's brief before us, after saying that the main thought of appellant's invention lies in the use of flexible resilient spring metal posts in a highway guard rail structure, stated:

> The device under consideration consists essentially of an impact member associated with flexible, resilient spring posts which yield under impact and then return to their normal position. This results in a structure having maximum resistance to impact, yet which may be fabricated at a minimum weight, which in turn means that it affords the public the greatest possible protection at the lowest possible cost.

The brief filed by the Solicitor for the Patent Office describes the structure in greater detail and (omitting numerals and page references) we quote therefrom the following:

> In common with known traffic guards, Camp's guard comprises a series of posts and a resilient sheet-metal band or "impact member" mounted thereon, and is intended to be constructed along the edge of a highway to prevent automobiles from leaving the highway when out of control and to direct them back onto the highway. In accordance with his expressed intention of improving the posts of such a traffic guard, Camp provides a post comprising two spring metal parts, or leaves, which are joined together at their ends and centrally are spaced by a web. The post, upon impact of an automobile, yields to a predetermined degree, thereby cushioning the shock. The upper portion of [one metal] part [or leaf] is offset to reduce the danger of a projecting portion of an automobile contacting the post rather than the band.

It is then pointed out that, as shown in certain figures of appellant's drawings, the band element or "impact member" may be passed between the leaves "instead of being entirely to one side of the post," as shown in other figures.

Appealed claims 3, 4, 5, and 6 stand rejected on the patent to Michod in view of (or, as the Board stated it, "considered with") the patent to Lieb, the patent to Shepherd being also referred to.

The patent to Michod is for a fence. It discloses a construction having "corner," or "end," posts, made of concrete,

> "so braced, anchored or otherwise secured in the ground that they will be rigid and unyielding,"

and line posts located at intervals between such end or corner-posts, the line posts being preferably "flexible or resilient." It is said in the specification that the line posts may be made of any suitable material

> "such as for example, high carbon, or vanadium, steel, and of such shape in cross-section and of such thickness that they will be yieldable to the laterally directed force to which fences are subjected in use."

A figure of the drawings illustrates the line posts as being in the form of a right angle member and the specification teaches the embedding of their lower ends in concrete below the level of the ground. The "partition, or barrier" (shown in the drawing as ordinary wire mesh) is secured to the posts "in any suitable manner." The idea seems to be that when force is exerted laterally against the fence, as, for example, by an animal running against it, the fence will yield under the force but will spring back into normal position as soon as the force is removed.

The patent to Lieb is for an elastic pole for electric wires, such as

> "wires of telegraph, telephone, and similar lines, also for overhead electric-railway systems and other analogous uses * * *."

The specification recites that the invention

> "consists in constructing the pole in such manner that elasticity is given to it by reason of the fact that the parts of the pole are capable of movement relative to each other, whereby elasticity is secured and gradually-increasing resistance to the strain is presented."

Different forms of poles are illustrated in the drawings. The Board referred specifically to a form illustrating "a pole made of flat metal disposed as springs." It is unnecessary to describe it in minute details. It is made of a series of metal leaves, and designed to support a wire, as, for example, a trolley wire. When the wire is subjected to any unusual force, as, for an example, a sudden blow from the trolley, the leaves, moving relative to each other, operate to care for the strain and give automatic adjustment to what are designated as "span-wires" upon which the trolley wire is supported.

The patent to Shepherd is for a highway guard. The Board described and discussed it as follows:

> * * * [It] discloses a post bent laterally in the direction of the roadway and which is intended to be distorted outwardly by a car striking it and thereby absorb the shock. In this patent the post is not a spring construction so it will not return to its original position after the force of the shock has been spent. However, in this patent the patentee depends on the distortion of the post itself rather than on some yieldable means on the post to absorb the shock. Any one working in the guard rail art would be taught by this patent to employ a distortable post to absorb the shock. If it is desired to have the post return to its original position a spring post would obviously be employed.

It will be observed that claim 9 uses the word "supports" and does not specify "posts." It was held by the Board that the claim "must be read as broadly as its language will permit", and it was rejected as reading directly on the respective patents to Boyle, Benedict, and Edge. It is deemed unnecessary to describe the construction shown in each of those patents. One of the figures shown in the drawing of the Edge patent (which is for a highway

guard) discloses a post with a member designated as a "bar" bolted thereto. A coil spring is held in position by the bar, and within the spring another bar is located and a clamping plate is held to the latter bar by bolts which bolts extend into and retain an outer clamping plate in position to hold the impact member (composed of strands of wire) against the first named clamping plate.

Claim No. 19, it will be observed, provides for a series of offset posts, the posts being of the same type as those described in claims 3 to 6, inclusive. The only limitation of this claim which distinguishes it from claims 3 to 6, inclusive, is the offsetting feature. The offsetting feature means that rows of posts are placed in different alinement and the "impact member" or metal band is attached to the inside of one row of posts and to the outside of the other, the rows being so positioned that the band itself normally remains in alinement.

Claim 26 distinguishes from claims 3 to 6, inclusive, only in providing that the "impact member" or metal band be "passed through" a series of the resilient posts. In effect, it was held by the tribunals of the Patent Office that the prior art, as illustrated, for example, in the patent to McDougall (which is for a fence post) discloses an arrangement which anticipated the "passing through" feature.

As we understand the decision of the Board, the rejection of all the appealed claims, except claim No. 9, was based primarily on the patent to Michod in view of the patent to Lieb, the other patent references being of an auxiliary nature and cited merely as disclosing specific features which have been described. In the concluding part of its decision, the Board said:

> The main question here with respect to claims 3 to 6, 19 and 26 is whether the Michod patent as well as the Lieb patent are from arts sufficiently close that these patents are proper references. It is our opinion that they are and therefore we think the Examiner has properly applied them.

It is quite earnestly contended by appellant that the respective patents to Michod and Lieb are in a nonanalogous art and are not proper references in the case, and it is asserted, in substance, that a combination of their structural features would not produce a traffic guard comprising a series of posts made up of a plurality of springs and an impact member disposed longitudinally of the posts, or entirely to one side of the posts, as called for by claims 3, 4, 5, and 6; also, it is pointed out that a structure combining the two patents would not include a flexible sheet metal band as an impact member such as is named specifically in claims 5 and 6.

We feel constrained to agree with those contentions. While, in some respects, there may be said to be a certain analogy between farm or ranch fencing (the field of the Michod patent) and highway guards, it is obvious that the structure of such guards, to be of any real value as guards, must be quite different from the ordinary fence. Furthermore, while the Michod patent teaches the desirability of having flexible line posts intermediate the rigid corner or end posts and one of the drawings shows a post in leaning position, we fail to discern any features in the actual structure of the posts which give them resiliency. It may be that resiliency is inherent in the material of which the posts are composed, but so far as structure is concerned we can find nothing which would cause a post once bent to spring back to its normal position. Certainly no structure resembling the spring posts of appellant is disclosed. The wire mesh, of course, has a certain resiliency but concededly this of itself does not meet the post limitations of the appealed claims.

It may be conceded that appellant's metal bands constituting the impact members are, per se, old, and that they are shown in prior patents, but here they must be considered, not as elements, per se, but as a part of the whole combination claimed.

So far as the Lieb patent is concerned, it seems to us to be very remote highway guard-rail art, and, in view of this fact, we do not think it would be obvious to one skilled in the art to employ such posts in the combination defined by the appealed claims.

It is our view that appellant is entitled to the allowance of claims 3, 4, 5, 6, 19, and 26.

With respect to claim 9, appellant contends that it should be read in the light of his specification and drawings, and, in effect, that when so considered, "supports", as used in the claim, means the posts of the guard-rail structure.

This argument does not seem sound to us, and we think there was no error in the rejection of that claim.

For the reasons indicated, the decision of the Board affirming that of the Examiner is modified. It is affirmed as to claim 9 and reversed as to claims 3, 4, 5, 6, 19, and 26.

Modified.

U. S. Court of Customs and Patent Appeals

IN RE DE GROOTE ET AL.

No. 4,615. Decided April 27, 1942

[127 F.(2d) 322]

PATENTABILITY—COMPOSITION OF MATTER.

Claims to a composition of matter derived from the reaction between a blown castor oil and diethanolamine *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Messrs. Pennie, Davis, Marvin & Edmonds (*Mr. R. T. McLean* and *Mr. C. M. Fisher* of counsel) for De Groote et al.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.:*

Appellants, as joint applicants, by appeal bring before us for review the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner denying patentability, in view of the prior art, of all the claims, numbered 1 to 7, inclusive, of their application for patent entitled "for Composition of Matter." Avoiding, for the nonce, the use of a multiplicity of technical terms, it may be said that the controversy revolves about the item of fatty acids of blown castor oil, combined with diethanolamine in a material for use in the treatment of emulsions of mineral oil and water, such as petroleum emulsions, to separate the mineral oil from the water.

The brief on behalf of appellants states:

> No question of the scope or preciseness of the claims has been raised, and as a practical matter, the patentability of all of the claims can and should be decided by determining the patentability of a single composition, namely, the ester of diethanolamine with the fatty acids derived from blown castor oil. It was on this basis that the Patent Office approached the question of patentability and one which we think is quite appropriate, as it greatly simplifies consideration of the questions involved.

In view of the foregoing statement, which apparently is in conformity with the views of the tribunals of the Patent Office, it is unnecessary for us to consider the claims separately. We quote claims 3 and 7 as illustrative:

> 3. A new composition of matter derived by reaction, under substantially anhydrous conditions, between a blown castor oil and diethanolamine within the molal ratio of 1:1 and 1:3, at a temperature above the boiling point of water and below the point of decomposition, said reaction being conducted in a manner to yield a substantial quantity of basic material in which the blown oil fatty acid radical is attached to the basic nitrogen atom through a carbon chain by replacement of the hydrogen of at least one hydroxyl of the hydroxy amine by the acyl group of the blown oil fatty acid radical, with the added proviso that the ratio of said acid radical to amino nitrogen atom shall be at least 1:1 and not more than 2:1; said basic material being further characterized by absence of amide and polyamino radicals.
>
> 7. A new composition of matter, comprising a chemical compound of the type indicated by the formula:
>
> $$\left[\begin{matrix}(\text{R.COO. alkyl})\\(\text{T})\end{matrix}\right]\text{NH}$$
>
> in which T is a hydroxy ethyl radical and R.COO is a blown oil fatty acid radical derived from castor oil.

The references cited are: Albrecht, 1,936,533, November 21, 1933; Stehr, 2,023,979, December 10, 1935; Kritchevsky, 2,089,212, August 10, 1937.

Specifically, the claims stand rejected, first, as lacking invention over the patent to Albrecht in view of the patent to Stehr, and, second, as lacking invention over the patent to Kritchevsky in view of the patent to Stehr.

From the specification of appellants' application, it is deduced that blown castor oil is a product which results from the oxidation of raw castor oil, the oxidation process being "generally conducted by means of moist or dry air, ozone, ozonized air, or a mixture of the same." It is also deduced, from the same source, that blown, or oxidized, castor oil differs in its "chemical and physical properties and characteristics" from raw castor oil.

In the course of its decision the Board stated:

> The appealed claims relate to a composition comprising the combination of a diethanolamine with blown fatty acid radicals derived from castor oil. The composition may be quite complex in detail but it appears broadly emphasized that the critical feature is that at least one hydrogen atom must remain in the amine nucleus with the other two, replaced with fatty acid ester and the remnant of the ethanol radical.

The pertinent disclosures of the references are as follows:

The patent to Stehr discloses a process of combining blown castor oil with triethanolamine. The patents to Kritchevsky and Albrecht both disclose combining raw (that is unblown) castor oil with a diethanolamine, and the latter patent states that commercial triethanolamine contains also diethanolamine, and other chemical compounds which it is said "function, with minor differences, in the same way as triethanolamine."

It may be said that all the claims of the Stehr patent are process claims and the specification states that the invention relates to the treatment of emulsions of mineral oil and water, such as petroleum emulsions, for the purpose of separating the oil from the water. The Albrecht patent contains both product and process claims, the product being stated to be useful for coating metal and valuable for inhibiting the formation of rust on metal surfaces. The Kritchevsky patent likewise contains both product and process claims, and it is stated that the compounds made in accordance with the invention have a number of uses among which are enumerated the emulsification of water insoluble pigments; improving the action of paints, printing inks, etc.; as a scouring preparation for wool, and as emulsifying agents in water-oil emulsions such as margarine in which use they keep the emulsion from leaking and prevent spattering during frying.

In the course of its decision the Board said:

> While it is conceded that the terms of applicants' claims are not directly anticipated and that the rejection involves association of features not before apparently combined but each being known in analogous relation, it is suggestive to one skilled in the art to try such combination—*In re Wietzel*, 17 C. C. P. A. 1079. The same conclusions apply to the second ground of rejection which is similar, namely, Kritchevsky in view of Stehr. Kritchevsky possibly more directly discloses employment of diethanolamine in this relation than Albrecht but like Albrecht with raw castor oil instead of blown castor oil.
>
> We have carefully examined applicants' contentions in regard to patentability and agree that the product may be different. It would be rather expected that some difference would result in this complex organic reaction or reactions that may occur in this relation but we are not convinced that invention is necessarily involved for this reason. We are in agreement with the Examiner's conclusions that within the scope of the variations involved here, it is within the skill of those working in the art to attempt and accomplish the same reaction without involving new or unobvious result constituting invention. The question of breaking hydrocarbon emulsions advanced as a possible distinction between applicants' product and that of the citations is not directly involved in the claims on appeal and is regarded as rather too indefinite and uncertain as a basis for allowance of the claims.

In a second decision rendered in response to a petition for reconsideration, the Board further said:

> The additional argument with the petition concerning difference between formation of salts and esters has been considered but it is not persuasive of error as to the above conclusion in respect to invention.

While the subject matter of the appealed claims is technical in character there appears to be no doubt that appellants have produced a new and useful chemical compound embracing elements not shown to have been combined in any prior art compound.

It is true that the Albrecht patent contains the statement, as above recited, to the effect that commercial triethanolamine contains other elements, one of which is diethanolamine, and states that such elements or compounds, with minor differences, function in the same way as triethanolamine. We assume this to mean that diethanolamine combined with raw castor oil (the only kind used by Albrecht) would result in a product similar to that obtained by combining raw castor oil with triethanolamine, but we do not take this as teaching that the same

result would follow the use of blown castor oil in the combination.

It is also true that the Stehr patent teaches the use of blown castor oil but we fail to find any suggestion in that patent that Stehr used diethanolamine in any form. It may be, of course, that some diethanolamine was present as a part of the triethanolamine, the use of which he taught, but, it is our view, that this should not be taken as an anticipation of the teaching of appellants which we understand to mean diethanolamine, separated from other and more complex compounds.

In the case of *In re Rudolph Wietzel and Wilhelm Michael*, 17 C. C. P. A. (Patents) 1079, 39 F.(2d) 669, cited as authority by the tribunals of the Patent Office, all the claims were process claims but the product resulting from the process seems to have been conceded to be old in chemical art. We there sustained the holding of the Board that nothing inventive was present in the process. Here we have claims for a concededly new product, and we feel constrained to disagree with the tribunals below as to their patentability. The situation here, as we view it, is more nearly analogous to that which existed in the case of *In re Christmann et al.*, 27 C. C. P. A. (Patents) 708, 107 F.(2d) 607, than it is to that of any of the other cases cited.

It is a well settled rule that any reasonable doubt which exists should be resolved in favor of an applicant.

Upon the facts stated and for the reasons indicated, we are of opinion that the claims at issue should be allowed.

The decision of the Board affirming that of the Examiner is, therefore, reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE SMITH

No. 4,607. Decided April 27, 1942

[127 F.(2d) 144]

DIVISION—PROCESS AND PRODUCT.

A requirement for division between claims to a method of knitting a selvage and claims to a knitted selvage fabric *Held* properly to have been made.

APPEAL from the Patent Office. Affirmed.

Mr. Roy F. Lovell for Smith.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner requiring division between two groups of claims, viz, claims 1 to 3, inclusive, and claims 4 to 13, inclusive, of appellant's application for a patent.

The sole question presented to us in this appeal is whether or not these two groups of claims are so related that they may properly be prosecuted in the same application.

The claims of the first group are method claims, and those of the second group are product claims with the exception of claim 9, as to which the Examiner held that, while couched in method form, it is nothing more than an article claim.

Claims 1 and 4 are representative of the respective groups and read as follows:

1. A method of knitting a selvage including the feeding of an elastic thread to the hooks of some of the needles interspersed among other needles, then feeding a relatively inelastic thread to the hooks of all of the needles, and then alternately feeding the said threads as before for a plurality of courses and while feeding the relatively inelastic thread to the hooks of all the needles causing said interspersed needles only to knit the relatively non-elastic thread, the remaining needles accumulating loops of the relatively non-elastic thread in their hooks, and finally causing all of the needles to knit the relatively non-elastic thread.

4. A knitted selvage fabric having elastic and relatively non-elastic threads knitted therein, interspersed wales adjacent to the selvage comprising alternating loops of the two threads, each intervening wale comprising, adjacent to the selvage, four accumulated loops, the first accumulated loop of each wale being the first loop of the relatively inelastic thread.

The following patents were cited merely to illustrate the distinctiveness of the groups: Lawson et al., 1,906,648; Lawson et al., 2,024,174; Miller et al., 2,150,335; Miller et al., 2,150,336; Getaz, 2,168,868; Getaz, 2,171,236.

The Examiner held that any invention involved in the product claims was distinct from that involved in the process claims, and division was therefore required. Appellant declined to make the division and appealed from the Examiner's decision finally rejecting the claims to the Board of Appeals. As hereinbefore stated, the Board affirmed the decision of the Examiner.

Appellant's alleged invention is directed principally to improvements in self-supporting stocking tops in which an elastic thread is incorporated in such a manner as to give the ribbed effect of the usual men's half hose stocking tops. The top is joined at its lower portion to the stocking itself, which is composed entirely of inelastic threads. The application also describes and claims a specific method of knitting the stocking tops on a rotary needle cylinder machine.

The question before us is whether the claims in the first group and those in the second group are for separate and independent inventions. If they are, the requirement for division was proper; on the other hand, if there is such correlation between the claims of the two groups as to limit them to a single inventive act, then the requirement for division was improper. *In re Ferenci*, 21 C. C. P. A. (Patents) 856, 68 F.(2d) 737; *In re Burns*, 23 C. C. P. A. (Patents) 1001, 83 F.(2d) 292; *In re Wellman*, 18 C. C. P. A. (Patents) 1214, 48 F.(2d) 926; *In re Moss et al.*, 26 C. C. P. A. (Patents) 861, 101 F.(2d) 536.

The Examiner held that other methods than those set out in the claims of the first group apparently can be used to produce the product in the claims of the second group, and that therefore separate independent alleged inventions are involved.

The Board of Appeals in its decision stated:

Appellant contends that there was but a single inventive act but there is no reason to believe that the specific method, which is set forth in claims 1 to 3 inclusive, is the only one by which the article can be produced and apparently one person could have invented the article and another the method. In the Office classification, the articles are separately classified because they are, in general, regarded as separate inventions from methods, and in the absence of convincing reasons as to why an exception should be made in this case, we do not feel justified in reversing the Examiners' action.

It is evident that, if the Patent Office tribunals are correct in their holding that the product claimed in the second group can be produced by methods other than those set forth in the first group, the requirement for division must be affirmed.

In the case of *In re Ferenci*, supra, we said:

Both the Examiner and the Board of Appeals, in their respective opinions, have pointed out that the package of appellant may be produced by other than his process, and have specified other methods—such, for instance, as by hand, or by different machines in various ways, and, even if it be conceded that the process claimed would produce only the product claimed, the reverse of this, viz, that only appellant's particular claimed process would produce the claimed product is not true.

Such being the case, we are of the opinion that the product claims cover a different inventive act from that covered by the method claims, and agree with the Board of Appeals that division was properly required.

A like holding was made in the case of *In re Burns*, supra.

While appellant in his brief challenges the statements of fact of the Patent Office tribunals that the product claimed can be produced by methods other than those claimed, we find nothing in the record to rebut such statements.

In the case of *In re Burns*, supra, we said:

Counsel for appellant state in their brief that—

It cannot be conceded that hand manufacture of his package could result in quantity production thereof by a mechanical process at low cost * * *.

The Board of Appeals proposition that where an article can be made by more than one process, an invention relating to the article is a different one from a patentable process for producing the article, is not supported by the record, which fails to disclose any such process; and appellant is aware of none.

Although counsel for appellant are unwilling to concede the correctness of the statements of fact made by the tribunals of the Patent Office, there is nothing of record tending to establish that those statements are erroneous, and we must look to the record, not to the brief of counsel, for information on the subject. We are of opinion, therefore, that the principles announced in the Ferenci case, supra, are applicable to the issues in the case at bar, and that the requirement of division was proper.

A like observation is applicable here.

Claim 9 reads as follows:

9. A method of knitting an elastic stocking top, consisting of the knitting of courses having an elastic thread and a relatively light non-elastic thread incorporated therein, the non-elastic thread being accumulated at certain of the wales for a plurality of courses, then causing a non-elastic thread heavier than the first mentioned non-elastic thread, to be drawn through the accumulated loops to form a knitted course.

With respect to this claim, we are in agreement with the view of the Examiner, apparently agreed to by the Board, that, while couched in method form, it is nothing more than an article claim.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,564,246, W. H. Kelly, Pressure gauges, D. C., N. D. Ohio, E. Div., Doc. 21108, *Ray Pressure Snubber Co.* v. *Parker Appliance Co.* Dismissed July 9, 1942.

1,618,809, Byron & Evans, Boot and shoe manufacture, D. C. Mass., Doc. 1268, *Parco, Inc., et al.* v. *Pero & Daniels, Inc.* Judgment for defendant June 19, 1942.

1,630,129, R. D. McDill, Process of preserving fruit, D. C. Del., Doc. E 1262, *Brogden, Ricketts & Haworth Co.* v. *Food Machinery Corp.* Claims 1 to 6 inclusive held valid and infringed, injunction Aug. 13, 1941.

1,635,078, L. W. Gilbert, Automatic switch, appeal filed July 28, 1942, C. C. A., 2d Cir., Doc. —, *L. W. Gilbert* v. *General Motors Corp.*

1,668,974, A. J. Mottiau, Snap switch, D. C. Mass., Doc. 1158, *Westinghouse Electric & Mfg. Co.* v. *Nu Switch Corp.* Stipulation of dismissal June 5, 1942. Doc. 1159, *Westinghouse Electric & Mfg. Co.* v. *Electrical Laboratories, Inc.* Decree as above.

1,710,035, R. E. Thompson, Sound reproducing instrument, C. C. A., 2d Cir., Doc. —, *Hazeltine Corp.* v. *Emerson Television Radio, Inc., et al.* Decree affirmed (notice July 29, 1942).

1,791,405, Fichtner & Van Arsdale, Hosiery, filed June 12, 1942, D. C. N. J., Doc. 2236, *Van Raalte Co., Inc.*, v. *Excello Hosiery Mills, Inc., et al.*

1,820,624, E. O. Mehline, Metallic tile, D. C., S. D. Calif., C. Div., Doc. 1315–B, *M. W. Cox* v. *Tile Seal Mfg. Co.* Judgment July 8, 1942.

1,831,184, M. Mallory, Circuit breaker and method of making same, D. C., E. D. Mich., S. Div., Doc. 1431, *The Mallory Research Co. et al.* v. *Motor Car Service Co. et al.* Dismissed (notice July 22, 1942).

1,848,182, C. J. Koebel, Art of setting diamonds, D. C., E. D. Mich. (Detroit), Doc. 8341, *Koebel Diamond Tool Co.* v. *Abrasive Dressing Tool Co. et al.* Dismissed without prejudice (notice July 3, 1942).

1,879,003, G. A. Alles, Salts of 1-phenyl-2-amino-propane, filed July 16, 1942, D. C., S. D. N. Y., Doc. 18/453, *Smith, Kline & French Laboratories* v. *Organic Products Co. et al.* Same, filed Aug. 7, 1942, D. C., S. D. N. Y., Doc. 19/59, *Smith, Kline & French Laboratories* v. *R. S. A. Corp. et al.*

1,956,868, R. H. Lemmon, Pump plunger, D. C., N. D. Tex. (Fort Worth), Doc. 322, *R. H. Lemmon* v. *Harbison-Fischer Mfg. Co.* Dismissed June 26, 1942.

1,968,916, S. Siegel, Food products, D. C., S. D. Calif. (Los Angeles), Doc. 758–BH, *Ida Siegel* v. *Warsaw Bakery.* Judgment favor plaintiff July 22, 1942.

2,023,809, J. K. Heller, Gas mixing apparatus, D. C., N. D. Calif., S. Div, Doc 21/871–R, *Gasair Corp.* v. *Ransome Co.* Claims 1 and 2 held invalid; bill dismissed July 9, 1942.

2,024,077, H. N. Thomas, Direction signal, D. C. Kans., 2d Div., Doc. 1933, *H. N. Thomas* v. *The Miro-Flex Co.* Patent held valid; bill dismissed (notice July 27, 1942).

2,032,067, E. E. Perkins, Paper envelope, filed July 20, 1942, D. C., S. D. Calif. (Los Angeles), Doc. 2332–B. *Perkins Products Co.* v. *Superior Macaroni Co.*

2,038,974, R. W. Werner, Hydraulic jack, D. C., E. D. Wis. (Milwaukee), Doc. 112, *R. W. Werner* v. *Hein-Werner Motor Parts Corp.* Patent held not infringed; bill dismissed for want of equity July 12, 1942.

2,131,881, H. J. Billings, Method of treating cereals and resulting product, filed July 27, 1942. D. C., W. D. N. Y., Doc. 1096, *Cream of Wheat Corp.* v. *Hecker Products Corp.*

2,138,454, A. L. Koenig, Apparatus for dispensing beverages, filed July 3, 1942, D. C., S. D. Ill., E. Div., Doc. 1–196, *L. Pfister* v. *Dyar Hybrid Corn Co.*

2,244,375, W. C. Schotz, Vacuum cleaner, D. C., W. D. Wash., N. Div., Doc. 484, *W. C. Schotz* v. *Sears, Roebuck & Co. et al.* Dismissed on stipulation of parties, with prejudice Apr. 13, 1942.

2,269,904. C. N. Erickson, Resuscitator-aspirator-insufflator, filed July 23, 1942, D. C. Mass., Doc. 2037, *C. N. Erickson* v. *J. H. Emerson et al.*

2,280,467, M. Blanc, Glove, filed July 21, 1942, D. C., S. D. N. Y., Doc. 18/467, *Picardy Mills, Inc.*, v. *Steinberg Bros.*

2,284,982, W. Miller, Safety machine tool coupling, filed July 1, 1942, D. C., E. D. Pa., Doc. 2624, *A. D. Palmer* v. *The Bethlehem Steel Corp. et al.*

Re. 18,237, M. C. Messler, Cushioning insole for boots and shoes, D. C. Mass., Doc. 1156, *M. Messler* v. *Knapp Bros., Inc., et al.* Judgment for defendant June 3, 1942.

Des. 108,316. W. R. Buxton, Flexible pocket receptacle, D. C., S. D. N. Y., Doc. 18/136, *Buxton, Inc.*, v. *Jas. McCreery & Co., Inc.* Stipulation of dismissal (notice July 9, 1942).

Des. 123,529, M. Ellenbogen, Dress, D. C., S. D. N. Y., Doc. 11/320, *Witlin & Schneider* v. *Toni Frocks, Inc.* Stipulation of discontinuance (notice July 23, 1942).

Des. 126,900, M. Boucher, Pin, filed July 1, 1942, D. C., S. D. N. Y., Doc. 18/361, *Marcel Boucher et al.* v. *Adolph Novelty Co.* Consent judgment (notice July 16, 1942).

Des. 129,843, M. Boucher, Pin, filed July 1, 1942, D. C., S. D. N. Y., Doc. 18/362, *Marcel Boucher et al.* v. *Brooks & Co.*

Des. 130,472, B. Cashin, Dress, D. C., S. D. N. Y., Doc. 18/54, *Adler & Adler, Inc.*, v. *Korby Sportswear, Inc.* Consent judgment (notice July 9, 1942).

Des. 132,065, S. Zahn, Dress, D. C., S. D. N. Y., Doc. 18/135, *Franklin Simon & Co., Inc., et al.* v. *M. & S. Extract.* Consent judgment (notice July 1, 1942).

Des. 132,649, H. H. Stahl, Dress, filed July 10, 1942, D. C., S. D. N. Y., Doc. 18/437, *Highlight Fashions, Inc.*, v. *Bloom & Egan, Inc.*

Des. 132,753, A. L. Carroll, Dress, filed July 8, 1942, D. C., S. D. N. Y., Doc. 18/420, *Rexley Frocks, Inc.*, v. *Princess Junior, Inc.*

T. M. 75,425, Dr. Chas. Bezanson & Co., Pharmaceutical preparation, D. C., W. D. Okla. (Oklahoma City), Doc. 990, *The Ko-Cin-Ko Co.* v. *R. M. Scott.* Injunction June 6, 1942.

T. M. 143,921, S. Cohen, Face powder, face cream, rouge, etc., D. C. R. I., Doc. E 590, *Lady Esther, Ltd.*, v. *Lady Esther Shoe Stores et al.* "Judgment was entered for the complainant, granting permanent injunction and dismissing respondent's counterclaim" May 5, 1942. To correct error in 540 O. G., p. 488.

Adjudicated Patents

(C. C. A. Ill.) Ronning patent, No. 1,658,353, for combination traction implement, claims 12–16, 22–26, and 32 *Held* invalid. *Ronning Machinery Co.* v. *Caterpillar Tractor Co.*, 129 F.(2d) 70.

(C. C. A. Mass.) Howard patent, No. 1,829,800, for edge setting machine, claims 1–3 *Held* infringed, claims 13, 14, 16, 18, 19, and 30 *Held* not infringed. *National Development Co.* v. *Lawson-Porter Shoe Machinery Corporation*, 129 F.(2d) 255.

(C. C. A. Calif.) Martin patent, No. 1,854,660, for tile roof construction, claims 1, 2, 5, 6, and 8 *Held* not infringed. *Corcoran* v. *Riness*, 128 F.(2d) 870.

(C. C. A. Ill.) Ronning patent, No. 1,883,403, for road machine, claims 2–4, 8–10, and 15–19 *Held* invalid. *Ronning Machinery Co.* v. *Caterpillar Tractor Co.*, 129 F.(2d) 70.

(C. C. A. Ill.) Anneren patent, No. 1,972,815, for automatic control device, claim 5 *Held* invalid. *Penn Electric Switch Co.* v. *U. S. Gauge Co.*, 129 F.(2d) 166.

(C. C. A. Ill.) Winsor patent, No. 2,020,271, for road working machine, claims 2–11, 13–16, 19–24, and 26–31 *Held* invalid. *Ronning Machinery Co.* v. *Caterpillar Tractor Co.*, 129 F.(2d) 70.

(C. C. A. N. C.) Goldberg patent, No. 2,051,349, for device for preserving local anesthetic solutions, *Held* invalid. *Novocol Chemical Mfg. Co., Inc.*, v. *Powers & Anderson Dental Co.*, 128 F.(2d) 904.

(C. C. A. Ill.) Arndt patent, No. 2,147,631, for road grader, claims 1–3, 6, 17, 18, 36, 38, 39, and 42 *Held* invalid. *Ronning Machinery Co.* v. *Caterpillar Tractor Co.*, 129 F.(2d) 70.

(C. C. A. Ill.) Joyce patent, No. 2,170,561, for combined Bourdon tube and trap, *Held* valid and not infringed. *James P. Marsh Corporation* v. *U. S. Gauge Co.*, 129 F.(2d) 161.

(D. C. N. Y.) Wallace and Hand patent, No. 2,236,387, for perspiration inhibiting composition, *Held* invalid, and if valid, *Held* infringed. *Wallace* v. *F. W. Woolworth Co.*, 45 F. Supp. 465.

(C. C. A. Ill.) Ronning reissue patent, No. 19,846, for combination tractor grader, claims 1–6 *Held* invalid. *Ronning Machinery Co.* v. *Caterpillar Tractor Co.*, 129 F.(2d) 70.

(C. C. A. Ill.) Teague design patent, No. 89,619, for thermometer, *Held* invalid and not infringed. *Taylor Instrument Cos.* v. *Fee & Stemwedel*, 129 F.(2d) 156.

(C. C. A. Ill.) Brown design patent, No. 93,969, for design for a thermometer, *Held* invalid and not infringed. *Id.*

(C. C. A. Ill.) Brown design patent, No. 100,362, for design for an instrument, *Held* invalid and not infringed. *Id.*

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 22, 1942

[VOL. 542. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 448,142. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

ALPINE

FOR COTTON BATTING OR COTTON BATTS.
Claims use since Jan. 15, 1912.

Ser. No. 448,344. THE SUNDAY CREEK COAL COMPANY, Columbus, Ohio. Filed Nov. 1, 1941.

FIRE FLASH

FOR COAL.
Claims use since Oct. 13, 1941.

Ser. No. 449,126. COLT'S PATENT FIRE ARMS MANUFACTURING CO., Hartford, Conn. Filed Dec. 3, 1941.

COLTWOOD

FOR SYNTHETIC RESIN MOLDING COMPOUNDS.
Claims use since Nov. 21, 1941.

CLASS 2

RECEPTACLES

Ser. No. 454,301. THE CUP & CONTAINER INSTITUTE, INC., New York, N. Y. Filed July 18, 1942.

Totin' Poke

Applicant disclaims the word "Poke" apart from the mark.
FOR KNITTED OR CROCHETED LUNCH BAGS.
Claims use since June 11, 1942.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 446,230. MARTINUS J. DYRUD, doing business as Dyrud Laboratories, Prairie du Chien, Wis. Filed Aug. 14, 1941.

Marty's

FOR DRY CLEANING PREPARATION AND A GLASS CLEANER.
Claims use since March, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 445,321. EXCITEMENT, INCORPORATED, Chicago, Ill. Filed July 14, 1941.

Startling

FOR PERFUMES.
Claims use since June 13, 1941.

Ser. No. 449,615. LEWISTOWN CORPORATION LABORATORIES, New York, N. Y. Filed Dec. 19, 1941.

NYTOLEX

FOR RADON COMPOUND SUPPOSITORIES CONSISTING PREDOMINANTLY OF A FATTY VEHICLE AND CONTAINING RADON.
Claims use since Dec. 1, 1941.

Ser. No. 453,358. AMERICAN FOUNDATION FOR DENTAL SCIENCE, San Diego, Calif. Filed May 29, 1942.

DENT-A-MIN

FOR CONCENTRATED MEDICINAL MATERIALS FOR USE AS FOOD SUPPLEMENTS IN SUPPLYING DEFICIENCIES OF VITAMINS AND MINERALS.
Claims use since May 9, 1942.

Ser. No. 453,536. GRAVER TANK & MFG. CO., INC., East Chicago, Ind. Filed June 8, 1942.

GRABASIC

FOR ZEOLITIC MATERIALS—NAMELY, RESINOUS AND CARBONACEOUS ZEOLITES FOR WATER PURIFICATION.
Claims use since Mar. 26, 1942.

Ser. No. 453,537. GRAVER TANK & MFG. CO., INC., East Chicago, Ind. Filed June 8, 1942.

GRACOHI

FOR ZEOLITIC MATERIALS—NAMELY, GREENSAND FOR WATER PURIFICATION.
Claims use since Mar. 26, 1942.

Ser. No. 453,538. GRAVER TANK & MFG. CO., INC., East Chicago, Ind. Filed June 8, 1942.

GRACOLITE

FOR ZEOLITIC MATERIALS—NAMELY, SYNTHETIC SILICEOUS ZEOLITES FOR WATER PURIFICATION.
Claims use since Mar. 26, 1942.

Ser. No. 453,539. GRAVER TANK & MFG. CO., INC., East Chicago, Ind. Filed June 8, 1942.

GRACOLO

FOR ZEOLITIC MATERIALS—NAMELY, GREENSAND FOR WATER PURIFICATION.
Claims use since Mar. 26, 1942.

Ser. No. 453,540. GRAVER TANK & MFG. CO., INC., East Chicago, Ind. Filed June 8, 1942.

GRAHYCARB

FOR ZEOLITIC MATERIALS—NAMELY, CARBONACEOUS ZEOLITES FOR WATER PURIFICATION.
Claims use since Mar. 26, 1942.

Ser. No. 453,541. GRAVER TANK & MFG. CO., INC., East Chicago, Ind. Filed June 8, 1942.

GRAHYGEN

FOR ZEOLITE MATERIALS—NAMELY, RESINOUS AND CARBONACEOUS MATERIALS FOR WATER PURIFICATION.
Claims use since Mar. 26, 1942.

Ser. No. 453,754. INTERNATIONAL MINERALS & CHEMICAL CORPORATION, Chicago, Ill. Filed June 19, 1942.

DEFLUOROPHOS

FOR DEFLUORINATED PHOSPHATE WHICH IS A CHEMICAL USED AS AN INGREDIENT FOR FOODS FOR POULTRY AND ANIMALS TO SUPPLY PHOSPHORUS.
Claims use since June 9, 1942.

Ser. No. 454,260. THOS. LEEMING & CO., INC., New York, N. Y. Filed July 16, 1942.

ETHIOMINE

FOR A GERMICIDE.
Claims use since July 2, 1942.

Ser. No. 454,285. CAMPANA CORPORATION, Batavia, Ill. Filed July 17, 1942.

SOLITAIR

FOR FACE POWDER.
Claims use since June 30, 1942.

Ser. No. 454,470. WHITE LABORATORIES, INC., Newark, N. J. Filed July 23, 1942.

NEO MULTI-VI

FOR VITAMINS IN TABLET FORM, CAPSULE FORM, AND LIQUID FORM.
Claims use since July 20, 1942.

Ser. No. 454,530. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed July 27, 1942.

TWENTY-X

FOR INSECTICIDES.
Claims use since July 13, 1942.

Ser. No. 454,546. SHELL CHEMICAL COMPANY, San Francisco, Calif. Filed July 27, 1942.

CRYSTOX

FOR INSECTICIDES AND COMPOUNDS FOR USE IN INSECTICIDES.
Claims use since June 5, 1942.

Ser. No. 454,557. LITHOGRAPHIC TECHNICAL FOUNDATION, INC., New York, N. Y. Filed July 28, 1942.

LITHOLINE

FOR WASH OR SOLVENT USED IN THE PREPARATION OF LITHOGRAPHIC PLATES AND STONES, USED FOR ASPHALTUM SOLUTIONS AND RESIDUES THEREFROM, AND USED FOR DEVELOPING INKS AND RESIDUES THEREFROM, AND IN WASHING METAL AND COMPOSITION ROLLERS.
Claims use since 1933.

Ser. No. 454,721. A. J. PAPARELLI, doing business as San Pedro Laboratories, San Antonio, Tex. Filed Aug. 4, 1942.

ALIVIOL

FOR TABLETS FOR RELIEF OF PAIN DUE TO HEADACHES, COLDS, NEURALGIA AND MUSCULAR ACHES.
Claims use since Oct. 10, 1935.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 449,693. MANIFOLD SUPPLIES COMPANY, New York, N. Y. Filed Dec. 22, 1941.



FOR NEGATIVE HECTOGRAPH MASTER SHEETS EACH WITH OR WITHOUT A CARBON SHEET ATTACHED.
Claims use since Sept. 18, 1940.

Ser. No. 454,060. OLD TOWN RIBBON & CARBON CO., INC., Brooklyn, N. Y. Filed July 4, 1942.





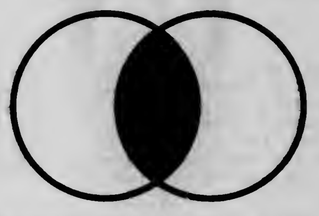
FOR CARBON PAPER AND TYPEWRITER RIBBONS.
Claims use since June 29, 1942.

Ser. No. 454,511. POLAROID CORPORATION, Cambridge, Mass. Filed July 25, 1942.

POLAROID

FOR PRINTING INKS.
Claims use since December, 1940.

Ser. No. 454,519. POLAROID CORPORATION, Cambridge, Mass. Filed July 25, 1942.



FOR PRINTING INKS.
Claims use since December, 1940.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 443,988. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed May 27, 1941.

PYROTONE

Applicant is the owner of trade-mark Reg. No. 366,100.
FOR ACOUSTICAL TILE.
Claims use since April, 1941.

Ser. No. 452,584. NATIONAL FIREPROOFING CORPORATION, Pittsburgh, Pa. Filed Apr. 25, 1942.

NATCO DRI-SPEEDWALL

The word "Dri" is disclaimed apart from the mark.
FOR BUILDING TILE.
Claims use since May 29, 1939.

Ser. No. 453,497. THE NIVISON-WEISKOPF COMPANY, Reading, Ohio. Filed June 5, 1942.

DECOLITE

FOR WALLBOARD.
Claims use since May 28, 1942.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 453,952. B & H MANUFACTURING COMPANY, INC., New Orleans, La. Filed June 30, 1942.



No claim is made to the following words: "Trade-Mark"; "New Orleans" and "Louisiana"; nor to the representation of the goods, apart from the mark.

FOR GATE VALVES, GLOBE AND ANGLE VALVES, GLOBE AND ANGLE CHECK VALVES, STOP CHECK VALVES, AND NON-GASKET PIPE FLANGES.

Claims use since July 31, 1940.

Ser. No. 454,089. UNIVERSAL SLIDE FASTENER COMPANY, INC., Long Island City, N. Y. Filed July 7, 1942.

SILVAZIP

FOR SLIDE FASTENERS.

Claims use since June 24, 1942.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 454,496. ANACONDA WIRE AND CABLE COMPANY, New York, N. Y. Filed July 25, 1942.

Oxoff

FOR COPPER RODS.

Claims use since Apr. 23, 1940.

CLASS 15

OILS AND GREASES

Ser. No. 452,659. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Apr. 28, 1942.

HYDROMER

FOR GASOLINE.

Claims use since Mar. 20, 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 453,822. AMERICAN FIRSTOLINE CORPORATION, New York, N. Y. Filed June 23, 1942.

Firstopone

FOR ZINC PIGMENTS.

Claims use since Sept. 1, 1941.

Ser. No. 453,944. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed June 29, 1942.

FLATLUX

Applicant is the owner of Regs. No. 369,510 and No. 369,511.

FOR DRY AND READY MIXED PAINTS, PAINT ENAMELS, STAINS, LACQUERS, AND VARNISHES.

Claims use since June 8, 1942.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 450,312. LINCOLN & ULMER, INC., New York, N. Y. Filed Jan. 19, 1942.



DENICTOR

The words "For Safer Smoking" are disclaimed apart from the mark.

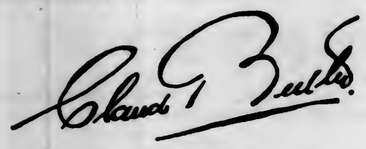
FOR CIGARS, CIGARETTES, AND SMOKING TOBACCO.

Claims use since Oct. 24, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 452,283. CLAUD BUTLER, London, England, Filed Apr. 11, 1942.



The trade-mark is a facsimile signature of the applicant.

FOR BICYCLES, TRICYCLES, MOTORCYCLES AND CYCLE CARS AND COMPONENT PARTS THEREOF, VEHICLE PACKAGE CARRIERS.

Claims use since June, 1940.

Ser. No. 454,269. ROGERS DIESEL AND AIRCRAFT CORPORATION, New York, N. Y. Filed July 16, 1942.



FOR RAILWAY MOTOR CARS AND AIRCRAFT STRUCTURAL PARTS.

Claims use since May 15, 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 454,665. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Aug. 1, 1942.

PLYTEK

FOR BRUSHES FOR USE IN DYNAMO-ELECTRIC APPARATUS.

Claims use since Apr. 30, 1942.

Ser. No. 454,678. WINCHARGER CORPORATION, Sioux City, Iowa. Filed Aug. 1, 1942.

ALTI-TEMP

FOR ELECTRICAL DYNAMOTORS, GENERATORS, CONVERTERS, AND MOTORS.

Claims use since July 21, 1942.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 453,432. ROY W. DARDEN, Atlanta, Ga. Filed June 3, 1942.

ROCKERCRETE

FOR BUILDING BLOCK FORMING MACHINE.

Claims use since June 15, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 451,905. WESTCHESTER OPTICAL COMPANY, INC., White Plains, N. Y. Filed Mar. 25, 1942.

COOLITE

FOR SUNGLASSES AND SPECTACLES.

Claims use since Jan. 1, 1940.

Ser. No. 454,029. CASTLE FILMS, INC., New York, N. Y. Filed July 3, 1942.

CASTLEFILM

FOR SILENT AND/OR SOUND MOTION PICTURE FILMS.

Claims use since June 26, 1942.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 453,922. ALBERT HORWIG, New York, N. Y. Filed June 27, 1942.

VIKING CRAFT

No claim is made to the word "Craft" apart from the mark.

FOR BROOCHES, BRACELETS, EARRINGS, RINGS, NECKLACES, AND IDENTIFICATION BRACELETS AND TAGS FOR PERSONAL WEAR NOT INCLUDING WATCHES.

Claims use since November, 1938.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 453,774. EUGENE L. FONDEVILLE, New York, N. Y. Filed June 20, 1942.



The words "New York" are disclaimed apart from the mark.

FOR CERAMIC TABLE WARE.

Claims use since June 8, 1942.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 447,318. ASCOT GAS WATER HEATERS LIMITED, London, England. Filed Sept. 26, 1941.

ASCOT

FOR BUILDING SERVICE WATER HEATERS AND WATER HEATING COILS THEREFOR.

Claims use since Dec. 12, 1934.

Ser. No. 447,319. ASCOT GAS WATER HEATERS LIMITED, London, England. Filed Sept. 26, 1941.



FOR BUILDING SERVICE WATER HEATERS AND WATER HEATING COILS.

Claims use since Nov. 12, 1937.

Ser. No. 452,524. THE ELLERNAN COMPANY, Salt Lake City, Utah. Filed Apr. 23, 1942.

ELLERNAN

FOR CALCINING, COOLING, AND DRYING KILNS AND PARTS THEREOF.
Claims use since Dec. 20, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 453,209. OVINGTON'S GIFT SHOP, INC., New York, N. Y. Filed May 23, 1942. Under 10-year proviso.

OVINGTON'S

FOR PENCILS—NAMELY, MECHANICAL LEAD PENCILS AND WOOD ENCASED PENCILS; PENS, STATIONERY—NAMELY, WRITING PAPER, ENVELOPES, AND SCRATCH PADS; DESK PADS, DESK SETS, AND DESK PORTFOLIOS.
Claims use since about Jan. 1, 1895.

Ser. No. 453,786. CAMPBELL BOX AND TAG COMPANY, South Bend, Ind. Filed June 22, 1942.

Camelforms

FOR GLUED BANDS FOR PACKING LAUNDRY MADE OF PAPER.
Claims use since Dec. 1, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 451,068. THE BRAMSON PUBLISHING COMPANY, Detroit, Mich. Filed Feb. 19, 1942.

THE PASSING PARADE

FOR ARTICLES PUBLISHED IN A CONTINUING SERIES, AND APPEARING MONTHLY IN A TRADE MAGAZINE.
Claims use since Aug. 1, 1940.

Ser. No. 451,069. THE BRAMSON PUBLISHING COMPANY, Detroit, Mich. Filed Feb. 19, 1942.

PRODUCTION PERSPECTIVES

FOR ARTICLES PUBLISHED IN A CONTINUING SERIES, AND APPEARING MONTHLY IN A TRADE MAGAZINE.
Claims use since Dec. 1, 1934.

Ser. No. 453,158. THE LEATHERNECK, Washington, D. C. Filed May 21, 1942.

THE LEATHERNECK

MAGAZINE OF THE UNITED STATES MARINES

Applicant disclaims the words "Magazine of the United States Marines" apart from the mark.
FOR MONTHLY PUBLICATION CONTAINING GENERAL NEWS AND ITEMS OF INTEREST TO MARINES.
Claims use since July, 1926.

Ser. No. 453,159. THE LEATHERNECK, Washington, D. C. Filed May 21, 1942.

GIST

FOR SECTION OF A MAGAZINE.
Claims use since February, 1942.

Ser. No. 454,409. THE BRAMSON PUBLISHING COMPANY, Detroit, Mich. Filed July 22, 1942.

The CRIB

FOR ARTICLES PUBLISHED IN A CONTINUING SERIES, AND APPEARING MONTHLY IN A TRADE MAGAZINE.
Claims use since June 1, 1942.

Ser. No. 454,430. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed July 22, 1942.

POWER

FOR PERIODICALS PUBLISHED MONTHLY.
Claims use since 1882.

Ser. No. 454,613. AUDREY E. STROUSE, Baltimore, Md. Filed July 30, 1942.

SONS OF FREEDOM

FOR SERIES OF RADIO SCRIPTS ISSUED FROM TIME TO TIME.
Claims use since May 29, 1942.

CLASS 39

CLOTHING

Ser. No. 446,167. LUBIN-WEEKER CO., INC., New York, N. Y. Filed Aug. 12, 1941.

TRIPLETS

FOR MEN'S PAJAMAS.
Claims use since Dec. 7, 1939.

Ser. No. 451,943. S. M. HOSIERY COMPANY, INC., New York, N. Y. Filed Mar. 27, 1942.

SOCIETY MAID

FOR HOSIERY.
Claims use since Mar. 13, 1942.

Ser. No. 453,932. S. SELKA, Bradford, England. Filed June 27, 1942.



FOR MEN'S AND BOYS' SUITS, JACKETS, TROUSERS, BREECHES, WAISTCOATS, OVERCOATS, AND RAINCOATS; AND WOMEN'S AND GIRLS' SUITS, COATS, RAINCOATS, SKIRTS, AND FROCKS.
Claims use since Feb. 14, 1941.

Ser. No. 453,976. JOSEPH BLACK & SONS COMPANY, York, Pa. Filed July 1, 1942.

Bachelor Girl Socks

Applicant disclaims the word "Socks" apart from the mark.
FOR HOSIERY.
Claims use since June 1, 1942.

Ser. No. 454,106. SIEGEL AND ALENIKOFF, New York, N. Y. Filed July 8, 1942.

Exclusive WAM-BAK

Applicant disclaims the words "Exclusive" and "Bak" apart from the mark.
FOR WOMEN'S, MISSES', AND JUNIOR MISSES' COATS AND SUITS.
Claims use since May 1, 1942.

Ser. No. 454,325. BEAU BRUMMELL TIES, INC., Cincinnati, Ohio. Filed July 20, 1942.

Commando

FOR NECKTIES.
Claims use since June 16, 1942.

Ser. No. 454,387. BAAR & BEARDS, INC., New York, N. Y. Filed July 22, 1942.

Suitor by Babé

FOR LADIES' NECKWEAR—NAMELY, DICKIES AND VESTEES.
Claims use since Jan. 20, 1942.

Ser. No. 454,444. CHARIS CORPORATION, Allentown, Pa. Filed July 23, 1942.

CHARIS

FOR SLIPS.
Claims use since July 14, 1942.

Ser. No. 454,571. L. BAMBERGER & CO., Newark, N. J. Filed July 29, 1942.

BamBelle

FOR WOMEN'S COATS, SUITS, DRESSES, UNDERWEAR, AND NEGLIGEES.
Claims use since May 1, 1942.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 452,423. FOREMAN FABRICS CORP., New York, N. Y. Filed Apr. 18, 1942.

MUSEUM PRINTS

The word "Prints" is disclaimed apart from the mark.
FOR COTTON, RAYON, AND/OR SILK PIECE GOODS.
Claims use since Aug. 27, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 454,261. GEORGE LOMAX, Chicago, Ill. Filed July 16, 1942.

SPARKOLA

FOR FLAVORING SYRUP FOR USE IN MAKING NONALCOHOLIC BEVERAGES.
Claims use since Mar. 5, 1942.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 437,208. MACLEOD LABORATORIES, Palmyra, N. J. Filed Oct. 23, 1940.

Energized

FOR CANNED FRUITS AND FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Oct. 1, 1940.

Ser. No. 438,865. CANDY MAKERS, INC., Philadelphia, Pa. Filed Dec. 16, 1940.

LEGION POSTS

FOR CANDY BARS.
Claims use since Dec. 2, 1940.

Ser. No. 444,947. UDDO TAORMINA CORP., Brooklyn and New York, N. Y., assignor to Uddo & Taormina Company, Brooklyn, N. Y., a firm. Filed June 28, 1941.

PROGRESSO



FOR CANNED VEGETABLES.
Claims use since 1922.

Ser. No. 446,769. VITAFREEZE CORPORATION, Sacramento, Calif. Filed Sept. 3, 1941.

BIG BOMBER

FOR FROZEN CONFECTIONS.
Claims use since Apr. 15, 1941.

Ser. No. 447,906. CONTINENTAL COFFEE COMPANY, INC., Chicago, Ill. Filed Oct. 18, 1941.



The representation of a carton is disclaimed apart from the mark.
FOR TEA.
Claims use since July 12, 1940.

Ser. No. 450,135. EXETER SELECT GROVES, Exeter, Calif. Filed Jan. 10, 1942.

GOBBLER

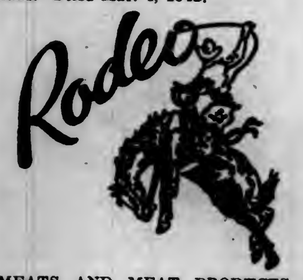
FOR FRESH CITRUS FRUITS.
Claims use since 1912.

Ser. No. 450,270. WALTER P. BIRMINGHAM, Sioux City, Iowa. Filed Jan. 17, 1942.

MUSHROOMBURGER

FOR SANDWICHES.
Claims use since Jan. 20, 1941.

Ser. No. 451,386. MAURER-NEUER CORPORATION, Arkansas City, Kans. Filed Mar. 4, 1942.



FOR MEATS AND MEAT PRODUCTS—NAMELY, SMOKED HAMS, SMOKED PORK SHOULDERS, CHILI CON CARNE, SAUSAGE, PIG SOUSE, LIVER LOAF, MEAT LOAF, JELLIED BEEF LOAF, AND BACON.
Claims use since July 1, 1941.

Ser. No. 452,706. THE BEST FOODS, INC., New York, N. Y. Filed May 1, 1942.

FILBISK

FOR VEGETABLE OILS FOR FOOD PURPOSES.
Claims use since Apr. 21, 1942.

Ser. No. 453,563. J. C. GARRETT, doing business as Garrett Ranch, Valley Center, Calif. Filed June 9, 1942.

CEE-GEE

FOR FRESH LIMES AND LEMONS.
Claims use since Feb. 1, 1942.

Ser. No. 454,127. ALLIED MILLS, INC., Chicago, Ill. Filed July 10, 1942.

I.Q.

☆INGREDIENT QUALITY



DOG FOOD

The words "Ingredient Quality" and "Dog Food" are disclaimed apart from the mark. The picture of the boy is fanciful.
FOR DOG FOOD.
Claims use since June 25, 1942.

Ser. No. 454,175. MIRAMAR TRADING CORPORATION, Brooklyn, N. Y. Filed July 11, 1942.

Mirco

Applicant is the owner of trade-mark registration No. 395,881.
FOR SALAD OIL.
Claims use since June 5, 1942.

Ser. No. 454,197. MODOC ORCHARD CO., Medford, Oreg. Filed July 13, 1942.

MOPAC

FOR FRESH PEARS.
Claims use since May 15, 1942.

Ser. No. 454,307. C. A. MACKEY & CO., New York, N. Y. Filed July 18, 1942.

ERCIL

FOR COFFEE.
Claims use since Oct. 1, 1941.

Ser. No. 454,308. C. A. MACKEY & CO., New York, N. Y. Filed July 18, 1942.

MEDIN

FOR COFFEE.
Claims use since October, 1941.

Ser. No. 454,525. STEIN, HALL MANUFACTURING COMPANY, Chicago, Ill. Filed July 25, 1942.

SUDEX

FOR SUGAR PRODUCING COMPOSITION SOLD IN POWDER FORM FOR USE IN MAKING BREAD AND OTHER YEAST RAISED BAKERY PRODUCTS.
Claims use since May 6, 1942.

Ser. No. 454,529. CALIFORNIA LETTUCE GROWERS, INC., Guadalupe, Calif. Filed July 27, 1942.



FOR FRESH VEGETABLES.
Claims use since Feb. 5, 1942.

Ser. No. 454,657. GERTMENIAN'S PRODUCE, Los Angeles, Calif. Filed Aug. 1, 1942.

HI-JINKS

FOR FRESH VEGETABLES AND FRESH DECIDUOUS FRUITS.
Claims use since June 27, 1942, on fresh vegetables; and since July 25, 1942, on deciduous fruits.

Ser. No. 454,661. E. L. MAGNONE, Sanger, Calif. Filed Aug. 1, 1942.

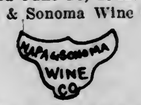
E.L.M.

FOR FRESH GRAPES.
Claims use since July 13, 1942.

CLASS 47

WINES

Ser. No. 444,650. NAPA & SONOMA WINE CO., San Francisco, Calif. Filed June 18, 1941. Under 10-year proviso as to "Napa & Sonoma Wine Co."

EAGLE  BRAND

No claim is made to the word "Brand" apart from the mark.
FOR WINES.
Claims use since 1896; and since July 22, 1876, for the name "Napa & Sonoma Wine Co."

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 439,237. PFEIFFER BREWING COMPANY, Detroit, Mich. Filed Dec. 27, 1940.

GLASOLITE

FOR BEER SOLD IN GLASS BOTTLES.
Claims use since Dec. 5, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 450,644. DISTILLERS WAREHOUSE, INC., St. Louis, Mo. Filed Feb. 2, 1942.



The words "90 Proof", "Liqueur," "Quality," and "Distilled London Dry Gin" apart from the mark and the representation of the label per se are disclaimed. The drawing is lined for blue.
FOR GIN.
Claims use since Jan. 7, 1942.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 440,933. GUARDIAN SAFETY SEAL COMPANY, Chicago, Ill. Filed Feb. 24, 1941.

Serviseal

FOR BOTTLE CAPS.
Claims use since Jan. 15, 1941.

Ser. No. 449,606. FEIST FABRICS, INC., New York, N. Y. Filed Dec. 19, 1941.

BROADWAY BLACKOUT

The word "Blackout" is disclaimed apart from the mark.
FOR PYROXYLIN COATED BLACK PIGMENT IMPREGNATED CLOTH.
Claims use since Dec. 15, 1941.

Ser. No. 450,995. AMERICAN OIL COMPANY, Baltimore, Md. Filed Feb. 16, 1942.



The drawing is lined for red and black. No claim is made to the word "American" apart from the mark.
FOR ENAMELED SIGNS.
Claims use since Mar. 5, 1932.

Ser. No. 453,629. SCHELTER LAST CO., INC., doing business as Rochester Shoe Tree Co., Rochester, N. Y. Filed June 12, 1942.

VicTree

No claim is made to "Tree" apart from the mark.
FOR SHOE TREES.
Claims use since May 25, 1942.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 22, 1942

397,738. GAS AND ODOR REMOVING UNITS FOR CONDITIONING THE AIR IN AND ABOUT BUILDINGS AND LAND, AIR, OR WATER VEHICLES, AND PARTS OF SUCH UNITS. W. B. CONNOR ENGINEERING CORP., New York, N. Y.
Filed September 24, 1940. Serial No. 436,299. PUBLISHED JULY 14, 1942. Class 34.

397,739. GAS AND ODOR REMOVING UNITS FOR CONDITIONING THE AIR IN AND ABOUT BUILDINGS AND LAND, AIR, OR WATER VEHICLES, AND PARTS OF SUCH UNITS. W. B. CONNOR ENGINEERING CORP., New York, N. Y.
Filed September 24, 1940. Serial No. 436,300. PUBLISHED JULY 14, 1942. Class 34.

397,740. SPICES—NAMELY, PEPPER, MACE, NUTMEG, CLOVES, CASSIA, AND CINNAMON; EDIBLE SEEDS—NAMELY, MUSTARD, CARAWAY, AND POPPY, ETC. CATZ AMERICAN COMPANY, INC., New York, N. Y.
Filed March 28, 1941. Serial No. 442,028. PUBLISHED JULY 14, 1942. Class 46.

397,741. PROTECTIVE MATS FOR SINKS. BERTHA LEE JONES, Cleveland, Ohio.
Filed April 2, 1941. Serial No. 442,195. PUBLISHED JULY 14, 1942. Class 50.

397,742. FRESH FRUITS—NAMELY, APPLES, ORANGES, LEMONS, AND PEACHES. THE W. O. ANDERSON COMMISSION COMPANY, Topeka, Kans.
Filed April 7, 1941. Serial No. 442,345. PUBLISHED JULY 14, 1942. Class 46.

397,743. STATUE OF A SNOW MAN USED FOR ADVERTISING PURPOSES. CHARLES H. EARL, Bay City, Mich.
Filed April 12, 1941. Serial No. 442,524. PUBLISHED JULY 14, 1942. Class 50.

397,744. HAMS, BACON, LARD, SAUSAGE, AND FRANKFURTERS. A. FINK & SONS CO., INC., Newark, N. J.
Filed April 15, 1941. Serial No. 442,590. PUBLISHED JULY 14, 1942. Class 46.

397,745. WINE. GENERAL BREWING CORPORATION, doing business as Grape Gold Wine Company, San Francisco, Calif.
Filed April 30, 1941. Serial No. 443,124. PUBLISHED JULY 7, 1942. Class 47.

397,746. REFRACTORY AND CERAMIC COMPOSITIONS AND BODIES WHICH ARE USED IN THE CONSTRUCTION OF FURNACES, KILNS, DRIERS, AND HEAT TREATING EQUIPMENT; ETC. ORE-FRACTION INCORPORATED, Pittsburgh, Pa.
Filed May 6, 1941. Serial No. 443,303. PUBLISHED JULY 14, 1942. Class 12.

397,747. WOMEN'S AND GIRLS' UNDERWEAR. ANNE UNDIES, INC., New York, N. Y.
Filed May 26, 1941. Serial No. 443,907. PUBLISHED JULY 14, 1942. Class 39.

397,748. CONCRETE PRESERVER—NAMELY, A LIQUID WHICH PENETRATES THROUGH THE SURFACE OF CONCRETE, CEMENT, GRANITE, BRICK, ETC., TO MAKE IT DUSTPROOF, WATERPROOF, CRUMBLEPROOF, WEARPROOF. EVERCRETE CORPORATION, New York, N. Y.
Filed July 30, 1941. Serial No. 445,773. PUBLISHED JULY 14, 1942. Class 12.

397,749. IMITATION VANILLA FLAVOR USED FOR FOOD FLAVORING PURPOSES. SEEMAN BROTHERS, INC., New York, N. Y.
Filed August 28, 1941. Serial No. 446,639. PUBLISHED JULY 14, 1942. Class 46.

397,750. MAGAZINE PUBLISHED MONTHLY. ADELE M. DAVIS, doing business as Biltmore Publishing Company, Tuckahoe, N. Y.
Filed September 30, 1941. Serial No. 447,431. PUBLISHED JULY 14, 1942. Class 38.

397,751. NONFERROUS METAL ALLOY USED FOR MANUFACTURING CASKETS, CASKET HANDLES, CASKET ORNAMENTS, AND ALL CASKET HARDWARE SUCH AS NAILS, HINGES, AND BRACKETS. ZEPH S. CHAPMAN, Los Angeles, Calif.
Filed October 6, 1941. Serial No. 447,583. PUBLISHED JULY 7, 1942. Class 14.

397,752. GENUINE CHAMOIS SKINS AND LEATHER SKINS TANNED TO RESEMBLE GENUINE CHAMOIS SKINS. AMERICAN SPONGE AND CHAMOIS COMPANY, INC., New York, N. Y.
Filed October 16, 1941. Serial No. 447,834. PUBLISHED JULY 14, 1942. Class 1.

397,753. GENUINE CHAMOIS SKINS AND LEATHER SKINS TANNED TO RESEMBLE GENUINE CHAMOIS SKINS. AMERICAN SPONGE AND CHAMOIS COMPANY, INC., New York, N. Y.
Filed October 16, 1941. Serial No. 447,835. PUBLISHED JULY 14, 1942. Class 1.

397,754. ELECTRIC SWITCHES. CASCO PRODUCTS CORPORATION, Bridgeport, Conn.
Filed October 23, 1941. Serial No. 448,033. PUBLISHED JULY 14, 1942. Class 21.

397,755. SUNGLASSES. LAPIN PRODUCTS, INC., New York, N. Y.
Filed October 25, 1941. Serial No. 448,104. PUBLISHED JULY 14, 1942. Class 26.

397,756. FORCED DRAFT ELECTRIC AIR PURIFIERS. STERILSEAT CORPORATION, New York, N. Y.
Filed October 25, 1941. Serial No. 448,118. PUBLISHED JULY 14, 1942. Class 34.

397,757. WHITE AND RED WINE, CHAMPAGNE, PORT, AND SHERRY. BENJAMIN FELIPE NAZAR ANCHORENA, doing business as Benjamin F. Nazar Anchorena, Buenos Aires, Argentina.
Filed November 21, 1941. Serial No. 448,775. PUBLISHED JULY 7, 1942. Class 47.

397,758. COMPOSITION RUBBER SHEETS AND BLOCKS; AND DOOR MATS, FLOWER POT MATS, PLATE MATS, ETC. KLEISTONE RUBBER CO., INC., Warren, R. I.
Filed November 27, 1941. Serial No. 448,972. PUBLISHED JULY 14, 1942. Class 50.

397,759. COMPRESSED COTTON DISCS FOR USE IN BATHING AND WASHING. PARFUMS SCHIAPARELLI, INC., New York, N. Y.
Filed November 29, 1941. Serial No. 449,061. PUBLISHED JULY 14, 1942. Class 29.

397,760. CIGARS, CIGARETTES, CHEROOTS, CIGARROS, AND TOBACCO. M & N CIGAR MANUFACTURERS, INC., Cleveland, Ohio.
Filed December 4, 1941. Serial No. 449,186. PUBLISHED MARCH 10, 1942. Class 17.

397,761. LADIES' AND MISSES' COATS AND SUITS. SPORTOWNE COAT CO. INC., New York, N. Y.
Filed December 11, 1941. Serial No. 449,398. PUBLISHED JULY 14, 1942. Class 39.

397,762. WRAPPING PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed December 13, 1941. Serial No. 449,458. PUBLISHED MARCH 24, 1942. Class 37.

397,763. TESTING STANDS INCLUDING AN ELECTRIC MOTOR DRIVEN VARIABLE RATIO TRANSMISSION AND EQUIPPED WITH CLUTCHING MEANS FOR TESTING THE OPERATION OF EQUIPMENT SUCH AS AIRPLANE GENERATORS UNDER VARYING SPEED CONDITIONS. U. S. ELECTRICAL MOTORS, INC., Los Angeles, Calif.
Filed December 13, 1941. Serial No. 449,470. PUBLISHED JULY 14, 1942. Class 26.

397,764. CERAMIC OVENWARE. THE PFALTZGRAFF POTTERY COMPANY, York, Pa.
Filed December 19, 1941. Serial No. 449,628. PUBLISHED JULY 14, 1942. Class 30.

397,765. WATER REPELLENT AND MILDEW PROOF COTTON TEXTILE FABRICS. WILLIAM W. STANLEY CO., INC., New York, N. Y.
Filed January 8, 1942. Serial No. 450,082. PUBLISHED JULY 14, 1942. Class 42.

397,766. COMPOUND FOR REFITTING DENTURES. GRAUS & HULVERSON, Hastings, Minn.
Filed January 20, 1942. Serial No. 450,334. PUBLISHED JULY 14, 1942. Class 44.

397,767. LUBRICATING OILS AND GREASES. ROYAL ENGINEERING CO., East Hanover, N. J.
Filed January 30, 1942. Serial No. 450,602. PUBLISHED JULY 14, 1942. Class 15.

397,768. ARCH SUPPORTS. C. S. PIERCE COMPANY, Brockton, Mass.
Filed February 12, 1942. Serial No. 450,920. PUBLISHED JULY 14, 1942. Class 44.

397,769. PIECE GOODS OF RAYON AND WOOL MIXTURES. WHITTENTON MANUFACTURING COMPANY, Taunton, Mass.
Filed February 18, 1942. Serial No. 451,062. PUBLISHED JULY 14, 1942. Class 42.

397,770. INFANTS' AND CHILDREN'S KNITTED SUITS, COATS, OVERALLS, SWEATERS, LONGEES OR SLACKS, AND BOYS' AND GIRLS' KNITTED SWEATERS, AND COATS. BOSTON KNITTING MILLS, INC., Newton, Mass.
Filed February 19, 1942. Serial No. 451,065. PUBLISHED JULY 14, 1942. Class 39.

97,771. GAS COOKING RANGES, GAS WATER HEATERS, AND HEATING STOVES. THE BLISH, MIZE & SILLIMAN HARDWARE COMPANY, Atchison, Kans.
Filed February 21, 1942. Serial No. 451,131. PUBLISHED JULY 14, 1942. Class 34.

397,772. ELECTRICAL INTERCOMMUNICATION SYSTEMS FOR PAGING, ANNOUNCING, AND TWO-WAY CONVERSATIONAL PURPOSES, ETC. SAMUEL SCHWARTZ, doing business as Sun Radio Co., New York, N. Y.
Filed February 21, 1942. Serial No. 451,148. PUBLISHED JULY 14, 1942. Class 21.

397,773. CHEWING GUM. GUMAKERS OF AMERICA, INC., Clifton Heights, Pa.
Filed February 27, 1942. Serial No. 451,268. PUBLISHED JULY 14, 1942. Class 46.

397,774. BROOCHES, CLIPS, PINS, NECKLACES, EARRINGS, ALL OF THE FOREGOING ARTICLES BEING MADE WHOLLY OR PARTLY OF PRECIOUS OR SEMI-PRECIOUS METAL OR BEING PLATED THEREWITH. BROWN & MILLS, INC., Providence, R. I.
Filed March 4, 1942. Serial No. 451,379. PUBLISHED JULY 14, 1942. Class 28.

397,775. PILLOWS MADE OF FOAM RUBBER. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed March 4, 1942. Serial No. 451,398. PUBLISHED JULY 14, 1942. Class 32.

397,776. PLASTIC COVERED ELECTRIC WIRE. PLASTOID CORPORATION, New York, N. Y.
Filed March 5, 1942. Serial No. 451,418. PUBLISHED JULY 14, 1942. Class 21.

397,777. IMITATION JEWELRY NOT INCLUDING WATCHES. CHINA OVERSEAS INC., New York, N. Y.
Filed March 9, 1942. Serial No. 451,487. PUBLISHED JULY 14, 1942. Class 28.

397,778. MAGAZINE PUBLISHED PERIODICALLY. ALFRED HARVEY, New York, N. Y.
Filed March 9, 1942. Serial No. 451,493. PUBLISHED JULY 14, 1942. Class 38.

397,779. LEATHER SOLES. H. L. ZITRIN, INC., Brooklyn, N. Y.
Filed March 14, 1942. Serial No. 451,636. PUBLISHED JULY 14, 1942. Class 39.

397,780. MAGNESIUM AND MAGNESIUM ALLOYS. THE PERMANENTE METALS CORPORATION, Oakland, Calif.
Filed March 16, 1942. Serial No. 451,652. PUBLISHED JULY 7, 1942. Class 14.

397,781. MAGNESIUM AND MAGNESIUM ALLOYS. THE PERMANENTE METALS CORPORATION, Oakland, Calif.
Filed March 16, 1942. Serial No. 451,653. PUBLISHED JULY 7, 1942. Class 14.

397,782. WRITING PAPER. COLUMBIA RIVER PAPER MILLS, Vancouver, Wash., and Portland, Oreg.
Filed March 17, 1942. Serial No. 451,672. PUBLISHED JULY 14, 1942. Class 37.

397,783. COPPER AND COPPER ALLOY DOWNSPOUTS, COPPER AND COPPER ALLOY GUTTERS; COPPER AND COPPER ALLOY FITTINGS FOR DOWNSPOUTS, ETC. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn.
Filed March 21, 1942. Serial No. 451,796. PUBLISHED JULY 14, 1942. Class 12.

397,784. EYEGLASS LENSES AND EYEGLASS EDGE FINISHES. N. P. BENSON OPTICAL COMPANY, INC., Minneapolis, Minn.
Filed March 23, 1942. Serial No. 451,831. PUBLISHED JULY 14, 1942. Class 26.

397,785. RECTIFIER UNIT FOR USE IN STARTING INTERNAL COMBUSTION ENGINES FROM A. C. POWER SUPPLY SOURCES, PORTABLE ELECTRIC POWER CONVERSION UNIT FOR USE IN STARTING AIRCRAFT AND OTHER INTERNAL COMBUSTION ENGINES. P. R. MALLORY & CO., INC., Indianapolis, Ind.
Filed March 26, 1942. Serial No. 451,913. PUBLISHED JULY 14, 1942. Class 21.

397,786. MEN'S FELT HATS. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed March 28, 1942. Serial No. 451,991. PUBLISHED JULY 14, 1942. Class 39.

397,787. WATERPROOFED SHADE CLOTH TREATED WITH PYROXYLIN. INTERSTATE SHADE CLOTH COMPANY, Hoboken, N. J.
Filed March 31, 1942. Serial No. 452,044. PUBLISHED JULY 14, 1942. Class 50.

397,788. SHADE CLOTH OF CELLULOSE FIBRE. INTERSTATE SHADE CLOTH COMPANY, Hoboken, N. J.
Filed March 31, 1942. Serial No. 452,046. PUBLISHED JULY 14, 1942. Class 42.

397,789. PRINTED, CRINKLED, COTTON ORGANDY FABRICS IN THE PIECE. FISBA FABRICS, INC., New York, N. Y.
Filed April 4, 1942. Serial No. 452,145. PUBLISHED JULY 14, 1942. Class 42.

397,790. MONTHLY PUBLICATIONS FOR THE SPORTING GOODS TRADE. THE SPORTING GOODS PUBLISHING COMPANY, St. Louis, Mo.
Filed April 6, 1942. Serial No. 452,175. PUBLISHED JULY 14, 1942. Class 38.

397,791. GASOLINE. ROBERT BALES, JR., Morristown, Tenn.
Filed April 7, 1942. Serial No. 452,182. PUBLISHED JULY 14, 1942. Class 15.

397,792. FINGER RINGS AND PINS. BARNET PALTER, doing business as Palter Watch Co., Brooklyn, N. Y.
Filed April 7, 1942. Serial No. 452,200. PUBLISHED JULY 14, 1942. Class 28.

397,793. GLASS PRODUCTS—NAMELY, MEDICINE GLASSES, MEDICINE DROPPERS, NASAL DOUCHES, NIPPLE SHIELDS, ETC. GLASCO PRODUCTS COMPANY, Chicago, Ill.
Filed April 3, 1942. Serial No. 452,234. PUBLISHED JULY 14, 1942. Class 44.

397,794. MILK CANS, MILK PAILS, ICE CREAM CANS, CHEESE CANS, AND ICE CREAM MOLDS. SUPERIOR METAL PRODUCTS COMPANY, St. Paul, Minn.
Filed April 11, 1942. Serial No. 452,296. PUBLISHED JULY 14, 1942. Class 2.

397,795. PIECE GOODS, KNIT GOODS MADE OF RAYON AND/OR ACETATE YARN. ATLAS FABRICS CORPORATION, New York, N. Y.
Filed April 14, 1942. Serial No. 452,322. PUBLISHED JULY 14, 1942. Class 42.

397,796. BISCUITS, CAKES, WAFERS, AND CRACKERS. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y.
Filed April 14, 1942. Serial No. 452,325. PUBLISHED JULY 14, 1942. Class 46.

397,797. FOOD SEASONING PREPARATION IN POWDERED FORM COMPOSED OF WHEAT, SUGAR BEETS, SOY BEANS, WITH SALT ADDED. LA CHOY FOOD PRODUCTS, INC., Archbold, Ohio.
Filed April 15, 1942. Serial No. 452,355. PUBLISHED JULY 14, 1942. Class 46.

397,798. FOOD SEASONING PREPARATION IN POWDERED FORM COMPOSED OF SOY BEANS, WHEAT, OATS, CORN, AND SALT, WITH SPICES ADDED. LA CHOY FOOD PRODUCTS, INC., Archbold, Ohio.
Filed April 15, 1942. Serial No. 452,356. PUBLISHED JULY 14, 1942. Class 46.

397,799. ACTIVE AND SPECTATOR SPORTSWEAR—NAMELY, DRESSES, SUITS, JACKETS, SHIRTS, OUTER SKIRTS, ETC. NEIMAN-MARCUS CO., Dallas, Tex.
Filed April 17, 1942. Serial No. 452,403. PUBLISHED JULY 14, 1942. Class 39.

397,800. MEN'S, BOYS' AND WOMEN'S CLOTHING—NAMELY, SLACKS AND TROUSERS AND MEN'S AND WOMEN'S SUITS. VITO BAGNATO, Woodside, N. Y.
Filed April 21, 1942. Serial No. 452,464. PUBLISHED JULY 14, 1942. Class 39.

397,801. SANITARY PANTIES, STEP-INS, BLOOMERS, APRONS, SKIRT SHIELDS, AND BELTS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed April 22, 1942. Serial No. 452,502. PUBLISHED JULY 14, 1942. Class 44.

397,802. AIR SCOOP VENTILATORS TO BE MOUNTED IN HOLES IN THE BODY OF A VEHICLE FOR VENTILATING THE INTERIOR THEREOF. BURTON B. SIMCOX, Knoxville, Tenn.
Filed April 22, 1942. Serial No. 452,512. PUBLISHED JULY 14, 1942. Class 34.

397,803. COAL. CONSOLIDATION COAL COMPANY, New York, N. Y.
Filed April 23, 1942. Serial No. 452,522. PUBLISHED JUNE 16, 1942. Class 1.

397,804. FOOD BAGS, GARMENT BAGS, AND BLANKET BAGS. SEAL SAC, INC., New York, N. Y.
Filed April 23, 1942. Serial No. 452,540. PUBLISHED JULY 14, 1942. Class 2.

397,805. UPHOLSTERED LIVING ROOM FURNITURE—NAMELY, SOFAS AND CHAIRS. ABRAHAM & STRAUS, INC., also doing business as Abraham & Straus, Brooklyn, N. Y.
Filed April 27, 1942. Serial No. 452,593. PUBLISHED JULY 14, 1942. Class 32.

397,806. PIECE GOODS OF SILK, COTTON, AND RAYON, AND MIXTURES THEREOF. BELDING HEMINWAY COMPANY, New York, N. Y.
Filed April 28, 1942. Serial No. 452,631. PUBLISHED JULY 14, 1942. Class 42.

397,807. PAJAMA WAISTBANDS. KAYLON, INC., New York, N. Y.
Filed April 28, 1942. Serial No. 452,646. PUBLISHED JULY 7, 1942. Class 39.

397,808. WINES. ROMA WINE COMPANY, INC., Fresno, Calif.
Filed April 28, 1942. Serial No. 452,653. PUBLISHED JULY 14, 1942. Class 47.

397,809. LADIES' AND GIRLS' PLAYSUITS AND SPORTSWEAR—NAMELY, BATHING SUITS, SHORTS, SHIRTS, SLACKS, SKIRTS, DRESSES, JACKETS, HALTERS, AND BRASSIÈRES. LOUIS GEIGER, INC., New York, N. Y.
Filed April 30, 1942. Serial No. 452,689. PUBLISHED JULY 14, 1942. Class 39.

397,810. MATTE SURFACED AND TRANSLUCENT SHEET MATERIAL FOR TRACING. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed May 1, 1942. Serial No. 452,716. PUBLISHED JULY 14, 1942. Class 26.

397,811. TEXTILE FABRICS IN THE PIECE—NAMELY, SILK FABRICS, RAYON FABRICS, FABRICS CONSISTING OF A MIXTURE OF RAYON AND SILK, AND COTTON, LINEN AND WOOLEN FABRICS. MALLINSON FABRICS CORPORATION, New York, N. Y.
Filed May 1, 1942. Serial No. 452,728. PUBLISHED JULY 14, 1942. Class 42.

397,812. TEXTILE FABRICS IN THE PIECE—NAMELY, SILK FABRICS, RAYON FABRICS, FABRICS CONSISTING OF A MIXTURE OF RAYON AND SILK, AND COTTON, LINEN AND WOOLEN FABRICS. MALLINSON FABRICS CORPORATION, New York, N. Y.
Filed May 1, 1942. Serial No. 452,729. PUBLISHED JULY 14, 1942. Class 42.

397,813. WEIGHING SCALES. THE HOBART MANUFACTURING COMPANY, Troy, Ohio.
Filed May 2, 1942. Serial No. 452,747. PUBLISHED JULY 14, 1942. Class 26.

397,814. LUBRICATING OILS. THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J.
Filed May 2, 1942. Serial No. 452,755. PUBLISHED JULY 14, 1942. Class 15.

397,815. PAPER NAPKINS. THE MENASHA PRODUCTS COMPANY, Menasha, Wis.
Filed May 4, 1942. Serial No. 452,779. PUBLISHED JULY 14, 1942. Class 37.

397,816. CHICKEN BROODERS AND PARTS THEREFOR. J. A. SMITH COMPANY, St. Louis, Mo.
Filed May 4, 1942. Serial No. 452,790. PUBLISHED JULY 14, 1942. Class 50.

397,817. BITUMINOUS COAL. EASTERN COAL SALES COMPANY, Bluefield, W. Va.
Filed May 5, 1942. Serial No. 452,801. PUBLISHED JULY 14, 1942. Class 1.

397,818. ZINC BASE ALLOYS. REVERE COPPER AND BRASS INCORPORATED, New York, N. Y.
Filed May 5, 1942. Serial No. 452,810. PUBLISHED JULY 7, 1942. Class 14.

397,819. HUMUS FOR LAWNS, SHRUBBERY, PLANTS, AND SOFTENER FOR SOIL. EINAR B. FASTESON, Seekonk, Mass.
Filed May 6, 1942. Serial No. 452,823. PUBLISHED JULY 21, 1942. Class 10.

397,820. INSOLE STOCK OF FOAM RUBBER AND RAYON TWILL. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed May 6, 1942. Serial No. 452,842. PUBLISHED JULY 14, 1942. Class 50.

397,821. LEATHER. A. F. GALLUN & SONS CORPORATION, Milwaukee, Wis.
Filed May 7, 1942. Serial No. 452,856. PUBLISHED JULY 14, 1942. Class 1.

397,822. CLOCKS AND WATCHES. GENERAL TIME INSTRUMENTS CORPORATION, New York, N. Y., and Peru, Ill.
Filed May 11, 1942. Serial No. 452,927. PUBLISHED JULY 14, 1942. Class 27.

397,823. EMPTY CAPSULES AND EMPTY INSTRUMENT AND MEDICINE CASES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed May 11, 1942. Serial No. 452,933. PUBLISHED JULY 14, 1942. Class 2.

397,824. ATOMIZING AND NEBULIZING APPARATUS, HYPODERMIC NEEDLES, SURGICAL DRESSINGS, AND HYPODERMIC SYRINGES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed May 11, 1942. Serial No. 452,934. PUBLISHED JULY 14, 1942. Class 44.

397,825. EMPTY CAPSULES AND EMPTY INSTRUMENT AND MEDICINE CASES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed May 11, 1942. Serial No. 452,936. PUBLISHED JULY 14, 1942. Class 2.

397,826. PIPES, CIGAR HOLDERS, AND CIGARETTE HOLDERS. PHILIP J. STIEGER, St. Paul, Minn.
Filed May 11, 1942. Serial No. 452,944. PUBLISHED JULY 14, 1942. Class 8.

397,827. STORE DISPLAY CABINETS. EXCELLENT CABINET WORKS CORPORATION, Brooklyn, N. Y.
Filed May 12, 1942. Serial No. 452,959. PUBLISHED JULY 14, 1942. Class 32.

397,828. EDUCATIONAL TOYS—NAMELY, SETS OF BLOCKS FOR MAKING UP LETTERS OF THE ALPHABET, SETS OF BLOCKS AND WHEELS FOR MAKING TOY PULL-CARS, TOY CONSTRUCTION SETS, TOY CLOCKS, AND TOY WEIGHING BALANCES. CAPPEL, MACDONALD & COMPANY, Dayton, Ohio.
Filed May 13, 1942. Serial No. 452,977. PUBLISHED JULY 14, 1942. Class 22.

397,829. TEXTILE BLANKETS. DRAPER BROTHERS COMPANY, Canton, Mass.
Filed May 13, 1942. Serial No. 452,979. PUBLISHED JULY 14, 1942. Class 42.

397,830. MECHANICAL PENCILS AND FOUNTAIN PENS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed May 13, 1942. Serial No. 452,980. PUBLISHED JULY 14, 1942. Class 37.

397,831. HOUSE DRESSES. JOHN W. SHAW, Decatur, Ill.
Filed May 13, 1942. Serial No. 452,988. PUBLISHED JULY 14, 1942. Class 39.

397,832. CANNED FRUITS AND VEGETABLES, INCLUDING RED BEANS, BARTLETT PEARS, AND PEACHES. SHIELD FOODS, INC., Buffalo, N. Y.
Filed May 13, 1942. Serial No. 452,989. PUBLISHED JULY 14, 1942. Class 46.

397,833. HEAVY COTTON PLUSH IN THE PIECE AND CUT LENGTHS. COLLINS & AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y.
Filed May 14, 1942. Serial No. 453,003. PUBLISHED JULY 14, 1942. Class 42.

397,834. KEYS. INDEPENDENT LOCK COMPANY, Fitchburg, Mass.
Filed May 14, 1942. Serial No. 453,008. PUBLISHED JULY 21, 1942. Class 25.

397,835. WOMEN'S AND GIRLS' SHOES MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed May 14, 1942. Serial No. 453,016. PUBLISHED JULY 14, 1942. Class 39.

397,836. SURFACE COATING MATERIAL FOR SEALING PURPOSES TO PREVENT BLEEDING OF ASPHALT, TAR, SAPPY WOOD, OIL SOLUBLE REDS OR STAINS, ETC. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed May 14, 1942. Serial No. 453,021. PUBLISHED JULY 14, 1942. Class 12.

397,837. LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES CONSISTING OF A DRESS AND A COAT. DAVID CRYSTAL, INC., New York, N. Y.
Filed May 15, 1942. Serial No. 453,030. PUBLISHED JULY 14, 1942. Class 39.

397,838. CHOCOLATE-FLAVORED SYRUPS, CHOCOLATE FLAVORING, AND COCOA POWDER FOR FOOD PURPOSES. THE KALVA CORPORATION, Waukegan, Ill.
Filed May 18, 1942. Serial No. 453,083. PUBLISHED JULY 14, 1942. Class 46.

397,839. RUBBER COASTERS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed May 19, 1942. Serial No. 453,103. PUBLISHED JULY 14, 1942. Class 2.

397,840. CANNED SALMON. BEACON IMPORTING CO., Boston, Mass.
Filed May 22, 1942. Serial No. 453,173. PUBLISHED JULY 14, 1942. Class 46.

397,841. WOODEN LOCKERS. ROBERT J. NYCE, doing business as Nyce Metal Products Co., Philadelphia, Pa.
Filed May 22, 1942. Serial No. 453,183. PUBLISHED JULY 14, 1942. Class 32.

397,842. FRESH CITRUS FRUIT. SUNFLOWER PACKING CORP., Porterville, Calif.
Filed May 26, 1942. Serial No. 453,282. PUBLISHED JULY 14, 1942. Class 46.

397,843. FRESH VEGETABLES. W. & S. PACKING CO., Salinas, Calif.
Filed May 26, 1942. Serial No. 453,284. PUBLISHED JULY 14, 1942. Class 46.

397,844. REFRIGERATORS. GIBSON ELECTRIC REFRIGERATOR CORPORATION, Greenville, Mich.
Filed June 1, 1942. Serial No. 453,394. PUBLISHED JULY 14, 1942. Class 31.

397,845. REFRIGERATORS. GIBSON ELECTRIC REFRIGERATOR CORPORATION, Greenville, Mich.
Filed June 1, 1942. Serial No. 453,395. PUBLISHED JULY 14, 1942. Class 31.

397,846. PASTE IN POWDER FORM. THE COMMERCIAL PASTE CO., Columbus, Ohio.
Filed June 2, 1942. Serial No. 453,409. PUBLISHED JULY 14, 1942. Class 5.

397,847. GENERAL ADHESIVE IN THE FORM OF A PASTE. THE COMMERCIAL PASTE CO., Columbus, Ohio.
Filed June 2, 1942. Serial No. 453,410. PUBLISHED JULY 14, 1942. Class 5.

397,848. GENERAL ADHESIVE IN THE FORM OF A PASTE. THE COMMERCIAL PASTE CO., Columbus, Ohio.
Filed June 2, 1942. Serial No. 453,411. PUBLISHED JULY 14, 1942. Class 5.

397,849. GLASS MIRRORS. THE NURRE COMPANIES, INC., Bloomington, Ind.
Filed June 2, 1942. Serial No. 453,423. PUBLISHED JULY 14, 1942. Class 32.

397,850. INFANT'S CARRIAGE MATTRESSES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 4, 1942. Serial No. 453,471. PUBLISHED JULY 14, 1942. Class 32.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

397,851. (CLASS 37. PAPER AND STATIONERY.) PLASTIC BINDING CORPORATION, Chicago, Ill. Filed May 6, 1939. Serial No. 419,156.

Plastic Binding

FOR BINDER FOR BOOKS, BOOKLETS, PAMPHLETS, BROCHURES, MANUALS AND OTHER ASSEMBLIES OF MULTIPLE PAGES.
Claims use since July, 1935.

397,852. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MINTA C. HOLT, doing business as Holt Publishing Company, Minneapolis, Minn. Filed June 24, 1940. Serial No. 433,317.

TruStyle

FOR MINIATURE MODELS OF HOMES, GARAGES, LOG CABINS, SILOS, BARNS, CHICKEN HOUSES, MILK HOUSES, BUILDINGS HOUSING LIVE STOCK AND VARIOUS OTHER FARM BUILDINGS.
Claims use since Oct. 15, 1938.

397,853. (CLASS 38. PRINTS AND PUBLICATIONS.) OSCAR A. GEIER, doing business as Richards & Geier, New York, N. Y. Filed Jan. 10, 1941. Serial No. 439,542.

DR. PAUL WENGRAF'S
COMPENDIUM
OF
TEXTILE PATENTS AND
NEW PROCESSES

FOR MONTHLY PUBLICATION RELATING TO TEXTILE PATENTS AND NEW PROCESSES.
Claims use since Oct. 20, 1940.

397,854. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEDFORD MILLING COMPANY, Bedford, Pa. Filed Jan. 11, 1941. Serial No. 439,577.

BEDFORD
Farm Proven

FOR DAIRY FEED, HORSE AND CALF FEED, AND POULTRY FEED.
Claims use since Oct. 31, 1940.

397,855. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN MARYLAND DAIRY, INC., Baltimore, Md. Filed July 2, 1941. Serial No. 445,031.

Western Maryland Dairy

MARYLAND'S
OLDEST AND LARGEST DAIRY

FOR FRESH MILK.
Claims use since May 12, 1941.

397,856. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLEMING-SPENCER CO., INC., Richmond, Va., assignor to Sanford Fleming, trading as the Fleming Brokerage Company. Filed Aug. 21, 1941. Serial No. 446,422.

TRU-VIRGINIA

FOR PRESERVED FRUITS, JELLIES, PEANUT BUTTER, CORN MEAL, HERRING ROE, CANNED FRUITS, CANNED VEGETABLES.
Claims use since May 1, 1941.

397,857. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed Aug. 22, 1941. Serial No. 446,475.

OLINDA

FOR RUM.
Claims use since July 22, 1941.

397,858. (CLASS 39. CLOTHING.) ROBERT E. BERNS, INC., New York, N. Y. Filed Aug. 30, 1941. Serial No. 446,687.

The ETON Britisher

FOR LADIES', MISSES', AND CHILDREN'S SPORTSWEAR—NAMELY, BLAZERS, JACKETS, SKIRTS, AND SLACKS.
Claims use since July 15, 1941.

397,859. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OMAR INCORPORATED, Omaha, Nebr. Filed Sept. 5, 1941. Serial No. 446,809.

HI-VALUE

FOR WHEAT FLOUR.
Claims use since Sept. 1, 1935.

397,860. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ECONOMY GROCERY STORES CORPORATION, Boston, Mass. Filed Oct. 6, 1941. Serial No. 447,560.



FOR CANNED VEGETABLES AND PEANUT BUTTER.
Claims use since Nov. 1, 1940.

397,861. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JELS-RITE CORPORATION, Chicago, Ill. Filed Oct. 8, 1941. Serial No. 447,611.

NU-TRISHUS

FOR MEAT BALLS WITH GRAVY.
Claims use since May 19, 1941.

397,862. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed Jan. 2, 1942. Serial No. 449,961.

SLA-GERM

FOR A GERMICIDAL SOAP.
Claims use since Aug. 1, 1941.

397,863. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PH. WECHSLER & SON, INC., New York, N. Y. Filed Mar. 24, 1942. Serial No. 451,882.



FOR COFFEE.
Claims use since 1940.

397,864. (CLASS 47. WINES.) LIQUOR DISTRIBUTORS OF AMERICA, Newark, N. J. Filed Apr. 27, 1942. Serial No. 452,616.

Deauville

FOR WINES.
Claims use since Aug. 1, 1937.

397,865. (CLASS 47. WINES.) LUCIEN ARDIN, INC., New York, N. Y. Filed June 23, 1942. Serial No. 453,823.



FOR WINES.
Claims use since May, 1938.

397,866. (CLASS 38. PRINTS AND PUBLICATIONS.) KELLOGG COMPANY, Battle Creek, Mich. Filed June 25, 1942. Serial No. 453,873.

Barbara B. Brooks

FOR PUBLICATIONS CONCERNING HOME ECONOMICS ISSUED FROM TIME TO TIME.
Claims use since 1925.

397,867. (CLASS 12. CONSTRUCTION MATERIALS.) WALL PRODUCTS, INC., Newark, N. J. Filed June 25, 1942. Serial No. 453,883.

KLEARCURE

FOR COMPOUND USED TO RETARD THE DEHYDRATION OF CEMENT.
Claims use since May 1, 1941.

397,868. (CLASS 39. CLOTHING.) HASPEL BROTHERS, INC., New Orleans, La. Filed July 2, 1942. Serial No. 454,004.



FOR MEN'S AND BOYS' SUITS, COATS, PANTS, TROUSERS, AND VESTS.
Claims use since September, 1940.

397,869. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KNOUSE CORPORATION, Peach Glen, Pa. Filed July 3, 1942. Serial No. 454,037.

BES-PIE

FOR CANNED APPLES.
Claims use since 1925.

TRADE-MARK REGISTRATIONS RENEWED

22,244. **REPRESENTATION OF A HAND.** PORTLAND CEMENT. Registered December 27, 1892. THE GILLINGHAM PORTLAND CEMENT COMPANY, LIMITED, London and Gillingham, England. Re-renewed December 27, 1942, to The Associated Portland Cement Manufacturers, Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee.

22,417. **REPRESENTATION OF A QUARTERFOIL DESIGN.** PLOWS, CULTIVATORS, ROLLERS AND HARROWS. Registered January 31, 1893. WIARD PLOW COMPANY, Batavia, N. Y., a corporation of New York. Re-renewed January 31, 1943.

157,549. **RED TOP.** RELIEF VALVES. Registered August 8, 1922. NEPTUNE METER COMPANY, New York, N. Y., a corporation of New Jersey. Renewed August 8, 1942.

157,597. **DEVIL BUGS.** ARTIFICIAL BAIT. Registered August 8, 1922. ORLEY CLAYTON TUTTLE. Renewed August 8, 1942, to Edith Tuttle Morcy, doing business as O. C. Tuttle Devil Bug Co., Old Forge, N. Y., assignee.

157,633. **RED HEAD.** HUNTING AND RIDING COATS, VESTS, AND PANTS. Registered August 15, 1922. ALWARD-ANDERSON-SOUTHARD CO. Renewed August 15, 1942, to Red Head Brand Company, Chicago, Ill., a corporation of Illinois, by change of name.

158,073. **"OWL" AND DRAWING.** MEN'S DRESS SHIRTS. Registered August 22, 1922. GEORGE A. RIPLEY, doing business as Ripley Shirt Manufacturing Company. Renewed August 22, 1942, to Ripley Shirt Manufacturing Company, Dallas, Tex., a corporation of Texas, successor.

158,107. **ARIS.** GLOVES, LEATHER AND FABRIC. Registered August 22, 1922. STEINBERGER BROS. LOBL CO. Renewed August 22, 1942, to Aris Gloves, Inc., New York, N. Y., a corporation of California, assignee.

158,662. **CAPT. BILLY'S WHIZ BANG.** MONTHLY PUBLICATION. Registered September 12, 1922. WILFORD H. FAWCETT, Robbinsdale, Minn. Renewed September 12, 1942, to Popular Magazines, Inc., Greenwich, Conn., a corporation of Delaware, assignee.

158,957. **TÉLISE.** CERTAIN ARTICLES OF CLOTHING. Registered September 19, 1922. FRANKLIN SIMON & CO. INC. Renewed September 19, 1942, to Franklin Simon & Co., Inc., New York, N. Y., a corporation of New York, assignee.

159,333. **KEYSTONE.** STAMPED STEEL PULLEYS OF VARIOUS DIAMETERS AND WIDTHS FOR POWER-TRANSMISSION PURPOSES AS COMPLETE UNITS. Registered September 26, 1922. DODGE SALES & ENGINEERING CO. Renewed September 26, 1942, to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana, assignee by mesne assignments.

159,474. **ARGUS.** WHEAT FLOUR. Registered September 26, 1922. PIEDMONT MILLS, INC., Lynchburg, Va., a corporation of Virginia. Renewed September 26, 1942.

159,733. **PERRY.** DRIVING CHAINS FOR CYCLES. Registered October 3, 1922. PERRY AND COMPANY, LIMITED. Renewed October 3, 1942, to Perry & Company Limited, Birmingham, England, a corporation of the United Kingdom of Great Britain and Northern Ireland.

160,417. **CALIFO.** CANNED FRUITS, VEGETABLES, FISH, CRAB MEAT, MOLASSES, MINCE MEAT, AND PICKLES. Registered October 24, 1922. THE COAST PRODUCTS COMPANY. Renewed October 24, 1942, to Wetterau Grocer Company, Inc., St. Louis, Mo., a corporation of Missouri, assignee.

161,125. **AMITAL.** MEDICINAL PREPARATION IN TABLET FORM FOR USE AS A SEDATIVE AND HYPNOTIC. Registered November 7, 1922. THE ELI LILLY & COMPANY. Renewed November 7, 1942, to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana, by change of name.

161,838. **NEOLAN.** COAL-TAR COLORS. Registered November 21, 1922. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a limited liability company of Switzerland. Renewed November 21, 1942.

161,942. **FEDERAL.** LUBRICATING OILS AND GREASES. Registered November 28, 1922. GARCIA MANZONI GAZA & CIA. Renewed November 28, 1942, to Jaime Gaza, Buenos Aires, Argentina, assignee by mesne assignments.

162,421. **"YARDLEY'S OLD ENGLISH" AND DRAWING.** TOILET SOAP. Registered December 12, 1922. YARDLEY & CO., LIMITED, Stratford, London, England. Renewed December 12, 1942, to Yardley & Co., Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland.

162,595. **HANSLICK.** SOAP. Registered December 19, 1922. SOLAR ELECTRIC COMPANY. Renewed December 19, 1942, to Solar Products Company, Chicago, Ill., a corporation of Illinois, assignee.

163,015. **ATLAS.** STUCCO. Registered January 2, 1923. THE ATLAS PORTLAND CEMENT COMPANY, North Hampton, Pa., and New York, N. Y. Renewed January 2, 1943, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana, assignee by mesne assignments.

163,143. **"999".** RESILIENT VEHICLE TIRES AND INNER TUBES OF RUBBER OR RUBBER AND FABRIC. Registered January 2, 1923. THE OLDFIELD TIRE COMPANY. Renewed January 2, 1943, to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio, successor.

163,176. **STACK.** CERTAIN WATER HEATERS ALL HEATED BY GAS, OIL, OR VAPOR. Registered January 2, 1923. STACK HEATER COMPANY. Renewed January 2, 1943, to Ira I. Nelson, doing business as The Stack Heater Company, Boston, Mass., successor.

163,329. **ULTRA.** FRESH CITRUS FRUITS. Registered January 9, 1923. GRAND VIEW HEIGHTS CITRUS ASSOCIATION, Terra Bella, Calif., a corporation of California. Renewed January 9, 1943.

163,330. **GRAND VIEW.** FRESH CITRUS FRUITS. Registered January 9, 1923. GRAND VIEW HEIGHTS CITRUS ASSOCIATION, Terra Bella, Calif., a corporation of California. Renewed January 9, 1943.

163,386. **LITTLE JOE.** SWEET POTATOES IN THEIR NATURAL STATE. Registered January 9, 1923. PITTSBURG STORAGE COMPANY. Renewed January 9, 1943, to Wirt Stewart, doing business as Pittsburg Storage Co., Pittsburg, Tex., successor.

163,785. **"POWOW" AND DRAWING.** SOAP POWDER. Registered January 30, 1923. WEST COAST SOAP COMPANY, Oakland, Calif., a corporation of California. Renewed January 30, 1943.

163,789. **"GLYCER-OLIVE" AND DRAWING.** TOILET SOAP. Registered January 30, 1923. WEST COAST SOAP COMPANY, Oakland, Calif., a corporation of California. Renewed January 30, 1943.

163,939. **HUDSON JUNIOR.** COTTON PIECE GOODS. Registered February 6, 1923. J. H. LANE & CO. Renewed February 6, 1943, to J. H. Lane & Company, Inc., New York, N. Y., a corporation of New York, assignee.

164,019. **PEN-LYN.** SHOES OF LEATHER, LEATHER AND FABRICS, AND LEATHER AND RUBBER. Registered February 6, 1923. WHITEHOUSE & HARDY, INC., New York, N. Y., a corporation of New York. Renewed February 6, 1943.

164,020. **MAR-GAR.** SHOES OF LEATHER, LEATHER AND FABRICS, AND LEATHER AND RUBBER. Registered February 6, 1923. WHITEHOUSE & HARDY, INC., New York, N. Y., a corporation of New York. Renewed February 6, 1943.

164,031. **GLENCO.** SHOE LACINGS, CORSET LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, GALLOONS, AND BRAIDS, ALL OF WHICH ARE MADE OF COTTON. Registered February 6, 1923. GLENCAIRN MFG. CO. Renewed February 6, 1943, to Glencairn Manufacturing Company, Pawtucket, R. I., a corporation of Rhode Island.

REISSUES

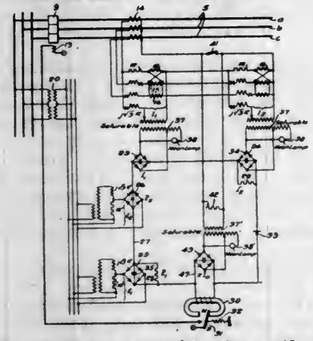
SEPTEMBER 22, 1942

22,179
PROTECTIVE RELAYING EQUIPMENT

Edwin L. Harder, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original No. 2,242,951, dated May 20, 1941, Serial No. 239,916, November 12, 1938. Application for reissue January 3, 1942, Serial No. 425,578

32 Claims. (Cl. 175—294)



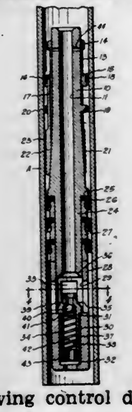
20. A three-phase device having a three-phase line, a set of current transformers for said line, networks connected to said transformers comprising a plurality of means including impedance devices and circuits having three distinct pairs of connections for obtaining, respectively, across said pairs of connections, unidirectional sequence-voltages individually representative of the positive-sequence, negative-sequence, and zero-sequence components of the line-currents, and means for combining said sequence-voltages in a predetermined manner or manners for obtaining a response to line-conditions.

22,180
WELL DEVICE

Herbert C. Otis, Dallas, Tex.

Original No. 2,196,535, dated April 9, 1940, Serial No. 165,848, September 27, 1937. Application for reissue April 4, 1941, Serial No. 386,951

24 Claims. (Cl. 166—2)



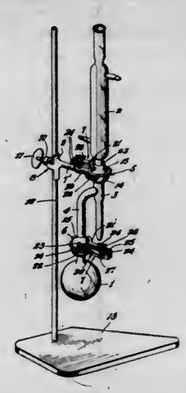
1. A well flowing control device including, an elongate unitary support having a flow passage through which the natural well fluid is conducted and open while the well is producing under normal flowing conditions, said passage having a natural well fluid inlet, and closure means free to move and carried by the support co-acting with the inlet and passage of the support and open while the natural well fluid is flowing through the inlet and passage under normal flowing conditions, said means having one side exposed to the natural well fluid flowing into the inlet and its other side shut off to such flow and exposed to the natural well fluids flowing from source, whereby the said closure means is held open during normal flowing conditions and is moved to a closed position to shut off flow upward through the passage of the support when the velocity of flow of the well fluid is abnormally increased.

22,181
CHEMICAL APPARATUS

William F. Schilling, Conshohocken, Pa., assignor to Ace Glass Incorporated, Vineland, N. J., a corporation of New Jersey

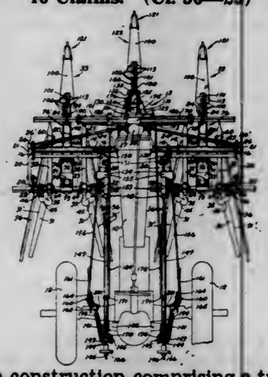
Original No. 2,190,220, dated February 13, 1940, Serial No. 278,745, June 12, 1939. Application for reissue January 24, 1942, Serial No. 428,141

2 Claims. (Cl. 285—91)



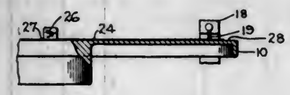
1. In a chemical apparatus, companion elements formed of glass and having portions in interfitting engagement with each other, one of said portions being a cup-shaped female member and the other a substantially spherical male member freely engageable in the female member, an outstanding flange surrounding said female member and having an under face, the inner surface of said female member being ground and the lower portion of the male member being of increased diameter and having a ground surface, and a clamp having jaws for straddling said members with one jaw engaging the under face of said flange and the other jaw engaging about the male member, and means for tightening said clamp and drawing said members into close contacting engagement with each other to form a tight joint and detachably hold said elements in cooperating relation to each other.

22,182
ROW CROP HARVESTING IMPLEMENT
Miles H. Tuft, Ottumwa, Iowa, and Clarence T. Rasmussen, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Original No. 2,196,446, dated April 9, 1940, Serial No. 232,320, September 29, 1938. Application for reissue November 26, 1941, Serial No. 420,542
46 Claims. (Cl. 56—25)



33. In a construction comprising a tractor having an axle, a harvesting unit, means mounting the harvesting unit at one side of the axle for vertical movement, a plant-guiding unit, means mounting the plant-guiding unit at the other side of the axle for vertical movement, the combination therewith of means interconnecting the units for causing vertical movement of one unit to effect vertical movement of the other unit.

22,183
APPARATUS FOR RECORDING SOUND ON THIN DISKS
Lincoln Thompson, Cheshire, Conn., assignor to The Sound Scriber Corporation, Stamford, Conn., a corporation of Connecticut
Original No. 2,200,866, dated May 14, 1940, Serial No. 245,944, December 15, 1938. Application for reissue December 17, 1941, Serial No. 423,335
5 Claims. (Cl. 274—9)



1. In a sound recording apparatus, a disk record of thin flexible semi-rigid material of less than .015" in thickness, a flat hard surfaced plate for directly receiving and rigidly supporting said record, a rotating center spindle associated with said plate and having a driving connection with said record, and a swinging arm located above said record and having a cutting head for indenting laterally undulating helical grooves in said record without substantial warping.

3. In a sound recording apparatus having a movable stylus-carrying recording arm, a disk record of thin flexible semi-rigid material having a thickness between .006 inch and .030 inch, a hard surfaced rotatable plate directly receiving and rigidly stationarily supporting said record, a center driving spindle for said record normal to said plate, and means forming a driving connection between said spindle and said record.

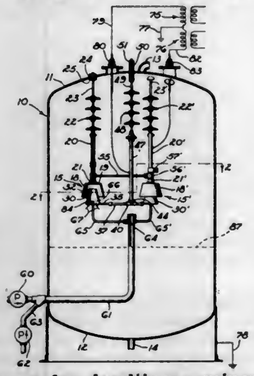
PATENTS

GRANTED SEPTEMBER 22, 1942

2,296,238
CARBURETED EMISSIVE ELECTRODE
Jean Baptiste Joseph Marcel Abadie, Puteaux, France
No Drawing. Application January 22, 1940, Serial No. 315,018
1 Claim. (Cl. 176—126)

An electrode for a discharge tube which is characterized in that it may be used indifferently as a cathode or an anode and which is comprised of an electrically conductive support containing a coating comprised of an emissive material selected from the group consisting of alkaline earth metals and alkaline earth salts intimately associated with powdered carbon which is physically present as free carbon.

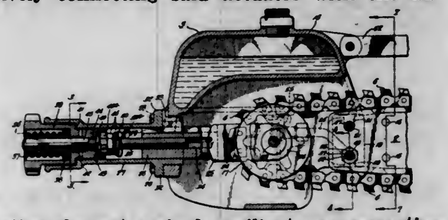
2,296,239
ELECTRIC PROCESS FOR DESALTING MINERAL OIL
Edmund I. Bailey, Toledo, Ohio, assignor, by mesne assignments, to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application September 14, 1938, Serial No. 229,933
13 Claims. (Cl. 204—190)



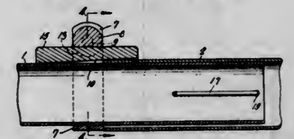
1. A process for desalting a mineral oil containing no more than a few percent of water which process includes the steps of: establishing an electric field in a treating zone of sufficient intensity to coalesce dispersed water droplets of a water in oil dispersion to form coalesced water drops; introducing the oil to be desalted and relatively fresh water into said zone; subjecting said oil and relatively fresh water to a high degree of turbulence to intermix said oil and relatively fresh water in said treating zone while under the influence of said field; and separating coalesced water from said oil.

2,296,240
CHAIN SAW
Arthur N. Blum, Philadelphia, Pa.
Application November 14, 1939, Serial No. 304,401
15 Claims. (Cl. 143—32)

1. In a chain saw, the combination with an endless toothed chain, of a support for said chain including relatively spaced rotary elements, and means for relatively adjusting said elements to tension the chain, said adjusting means comprising an adjusting element, a manual actuator for said adjusting element, a friction clutch operatively connecting said actuator with the adjusting element, a single resilient means exerting pressure tending to engage said clutch and operative to resiliently tension the said chain, and means for regulating the effective pressure of said resilient means.



2,296,241
PULPWOOD SAW FRAME
Arthur N. Blum, Philadelphia, Pa.
Application March 7, 1940, Serial No. 322,807
9 Claims. (Cl. 287—58)



1. The combination with two telescopically-fitted relatively adjustable members, of a strap element embracing and adjustable longitudinally of the inner of said members, a rotary element extending transversely between the opposite sides of said strap, and a wedge slidably mounted in said rotary element for adjustment longitudinally of said members, said wedge adapted to be driven over the edge of the outer of said members to bind the members together.

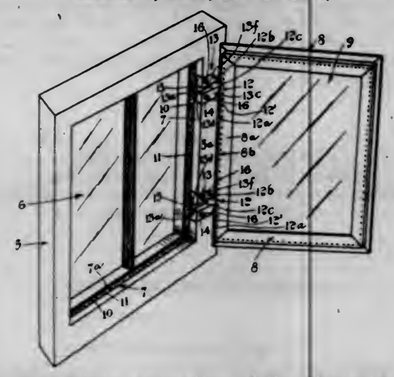
2,296,242
FIREARM
Nicholas L. Brewer, East Longmeadow, Mass., assignor to Savage Arms Corporation, New York, N. Y., a corporation of Delaware
Application February 1, 1940, Serial No. 316,752
7 Claims. (Cl. 42—3)



1. In a firearm, the combination of a spring guide rod having at its rear end a fixed enlargement and having at its front end a head, a washer larger than said head and slidingly mounted on the front end of the guide rod, a helical breech bolt spring mounted slidingly on said rod, a helical hammer spring mounted on said rod out-

side said breech bolt spring and freely movable thereover, a hammer having a bore longitudinally thereof large enough for the sliding therein of said hammer spring except at the forward end of the hammer where the bore is reduced forming an inwardly extending flange stopping the forward movement therethrough of said hammer spring, but with said flange having a central opening therethrough large enough for the breech bolt spring to move therethrough, said flange on the front end of the hammer arresting rearward movement of the washer on the front end of the guide rod.

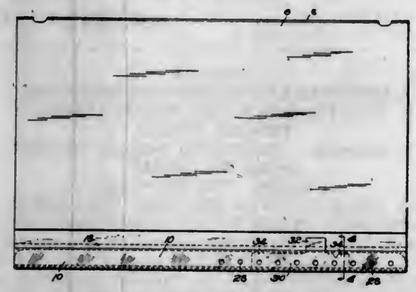
2,296,243
DOUBLE GLAZED WINDOW
Charles T. Cresswell, Montreal, Quebec, Canada
Application March 18, 1940, Serial No. 324,605
In Canada March 17, 1939
2 Claims. (Cl. 16—135)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. In a hinge connection of the character described, a flat-sided hinge plate of substantial thickness provided with a slot extending inwardly from one edge to a point short of the opposite edge of said plate, the side walls of the slot being perpendicular to the flat sides of the plate and one of said sides being provided with a recess extending along one side of said slot in communication therewith, said recess being open at the end adjacent the mouth of the slot and being enlarged at its opposite end and in the direction of the thickness of the plate to provide a pintle receiving pocket located at the closed end of the slot and extending laterally with reference to said slot, a hinge member adapted to be arranged for swinging movement in said slot and provided with a laterally extending pintle portion disposed in said pintle receiving pocket and a removable flat filler piece adapted to be fitted in the portion of the recess lying between the mouth of the slot and the pintle receiving pocket and to extend across a portion of the slot to retain said pintle in said pintle receiving pocket.

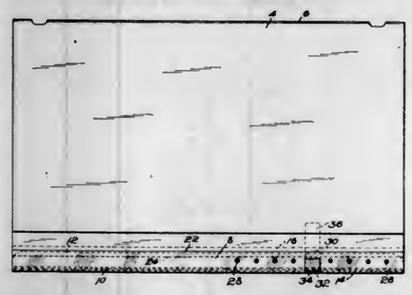
2,296,244
FILING ELEMENT
Raymond C. Finch, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y., a corporation of Massachusetts
Application December 12, 1941, Serial No. 422,691
5 Claims. (Cl. 129—16.7)

2. The combination of a transparent sheath having a front wall folded downwardly to provide a flange and a channel between said flange and said front wall, a sheet having an upturned flange received in said channel and provided with one or more openings visible through said front



wall, and an indicator slide disposed at the rear of said upturned flange and horizontally slidable to present one or more portions of its area to view through said opening or openings.

2,296,245
FILING ELEMENT
Raymond C. Finch, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y., a corporation of Massachusetts
Application December 12, 1941, Serial No. 422,692
4 Claims. (Cl. 129—16.7)

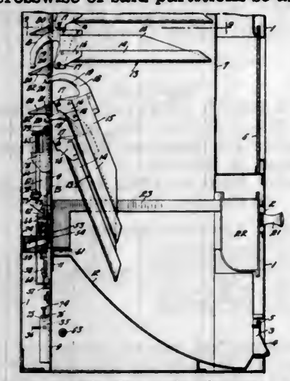


2. The combination of a sheet having a horizontal series of symbols or characters on its front face, an indicator slide folded to provide a front flange for cooperation with said symbols or characters and having a handle portion at the rear of said sheet, and a transparent sheath having a front wall which overlies said front flange and covers said symbols or characters and a rear wall which overlies a part of said handle portion and a portion of the rear face of said sheet below said handle.

2,296,246
VENDING MACHINE
Christian Gabrielsen, Belleville, N. J., assignor to Rowe Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Original application August 3, 1940, Serial No. 350,806. Divided and this application July 8, 1941, Serial No. 401,469
5 Claims. (Cl. 312—94)

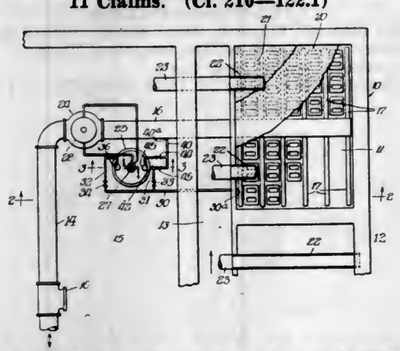
1. In a vending machine, and in combination, a plurality of parallel partitions defining a row of vertical columns for article storage, and a series of tiltable article supporting and delivering shelves mounted one above the other in each such column and including article supporting portions

extending transversely, the said portions being slanted crosswise of said partitions so as to define



therewith a row of adjacent columns or article receiving spaces of parallelogram cross section.

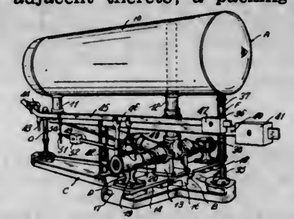
2,296,247
LIQUID FLOW CONTROL
Walter H. Green, Chicago, Ill., assignor to Infilco Incorporated, a corporation of Delaware
Application April 29, 1938, Serial No. 204,994
11 Claims. (Cl. 210—122.1)



1. In a filter, a container, a filter bed therein, a flow system comprising a perforated underdrain underlying said bed and a conduit joined to said underdrain, a valve in said conduit, a power operated means for positioning said valve, a pressure differential member controlling the flow of power to said power operated means, and conduits for transmitting pressure joining said pressure differential sensitive member to said flow system between said valve and said filter bed and to said container.

2,296,248
STEAM TRAP
Wellington M. Acker, Lakewood, Ohio, assignor to W. M. Acker Organization, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 6, 1940, Serial No. 355,646
3 Claims. (Cl. 137—101)

1. In a tilting trap of the character referred to, the combination of: a base; a tilting assembly comprising a single elongated substantially horizontal tank, a trunnion member having a plurality of chambers therein communicating with axially aligned bores opening into opposite ends of said trunnion member, and means including conduits communicating with the interior of said tank and with said chambers for connecting said tank to said trunnion member and supporting the former above the latter, said trunnion member being provided with journals coaxial with said bores and located at opposite sides of the connection with said tank; means including a member supported on said base and having journal boxes surrounding said journals on said trunnion member for pivotally supporting said trunnion member and in turn said tilting assembly on said base for rotation about an axis coaxial with said bores; an inlet steam valve assembly located at one side of said trunnion member in line with one of said axially aligned bores in the end of the latter and supported on said base independent of the means for supporting said trunnion member thereon; said inlet steam valve assembly comprising a stationary inlet steam valve body including a tubular projection in axial alignment with and extending into the bore in the end of said trunnion member adjacent thereto; a packing gland for



connecting said tubular projection of said inlet steam valve body within said bore so as to permit rotaton of said trunnon member relative to said inlet steam valve body while preventing the escape of steam or water; a water inlet and outlet assembly located at the side of said trunnion member opposite said inlet steam valve assembly in alignment with said trunnion member and supported on said base independent of the means for supporting said trunnion member on the latter; said water inlet and outlet assembly including a stationary hollow member comprising a tubular projection in alignment with and extending into the bore in the end of said trunnion member adjacent thereto; and a packing gland for connecting said last-named tubular projection within said bore so as to permit rotation of said trunnion member relative to said water inlet and outlet assembly while preventing the escape of steam or water.

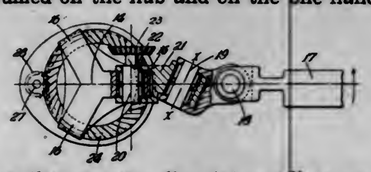
2,296,249
POLYMERS OF FORMALDEHYDE
Paul Rolland Austin and Charles Edward Frank, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 26, 1940, Serial No. 354,278
17 Claims. (Cl. 260—64)

1. A high molecular weight plastic polymer of formaldehyde with 0.05 to 5.0 mol per cent, based on formaldehyde, of a wholly aliphatic acylethenone, and 0.01 to 2.0 mol per cent, based on formaldehyde, of an unsubstituted organic isocyanate.

2,296,250
AIRCRAFT WITH SUSTAINING ROTORS
James Allan Jamieson Bennett, Esher, England, assignor to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware
Application August 23, 1940, Serial No. 353,808
In Great Britain January 5, 1939
14 Claims. (Cl. 244—17)

1. In an aircraft having a sustaining rotor, the

combination with an articular connection of the rotor blade to the hub including for each blade, respectively, a pair of pivots of the generally lead-lag kind the axes of which are mutually inclined and an intermediate member uniting said pivots, of control means including a non-rotary rockable element and for each blade, respectively, a lever fulcrumed on the hub and on the one hand engaging the corresponding intermediate member and on the other hand engaging slidably said rockable element, and means for rocking the latter at will to shift said levers about their fulcrums thereby moving said intermediate members about the pivots united thereby and effecting periodic variation of blade pitch angle of variable amplitude and phase angle.

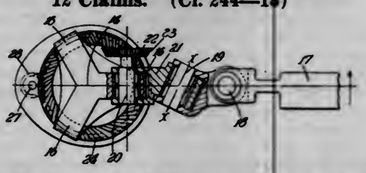


2,296,251

AIRCRAFT WITH SUSTAINING ROTORS

James Allan Jamieson Bennett, Esher, England, assignor to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware

Application August 23, 1940, Serial No. 353,807
In Great Britain December 1, 1938
12 Claims. (Cl. 244—18)



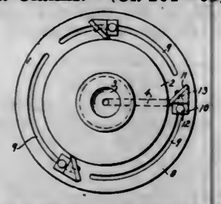
1. In a rotaplane as set forth, and for obtaining variation of blade pitch angle for direct take-off, the combination of blade connections to the rotor hub including two flapping pivots, one at least of which has its axis acutely inclined to the blade axis with means including an independent floating drive member for applying rotor driving torque to intermediate members uniting the two flapping pivots of each blade, respectively, whereby the transmission of driving torque to the rotor effects movement about said flapping pivots with consequent change of blade pitch angle.

2,296,252

STAPLE FIBER CUTTING MECHANISM

Henry H. Bitler, Moylan, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application March 12, 1942, Serial No. 434,335
12 Claims. (Cl. 164—61)



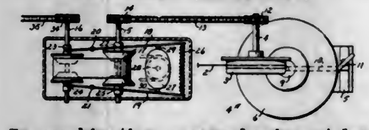
1. In apparatus of the character described, means for feeding continuous filamentary material at a constant speed in the direction of its length and means for bringing it into operative relationship with a plurality of cutting elements having different spaces therebetween.

2,296,253

STAPLE FIBER CUTTING MECHANISM

Henry H. Bitler, Moylan, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application April 10, 1942, Serial No. 438,403
19 Claims. (Cl. 164—36)



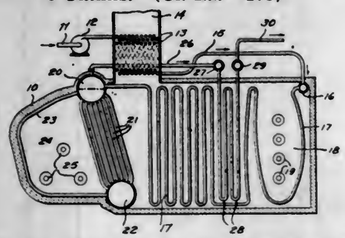
1. In combination, means having at least one cutting station for cutting filamentary material at intervals to discontinuous lengths, means comprising a positive feeding element for feeding said filamentary material to said cutting means, and means for varying the distance from said element to said cutting station of the cutting means during operation.

2,296,254

STEAM GENERATOR

John Blizard, Garden City, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application November 25, 1938, Serial No. 242,215
6 Claims. (Cl. 122—478)



1. A vapor generator comprising a setting, a forced circulation vapor generating section in the setting, a natural circulation vapor generating section in the setting and into which vapor and liquid from the forced circulation section is discharged to supply the liquid therefor, and independent means for firing each section, the arrangement being such that the gases from each firing means flow in substantial heat exchange relationship with but one of said sections.

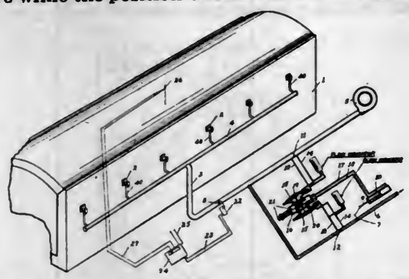
2,296,255

INDUSTRIAL FURNACE AND FIRING APPARATUS

Frederick S. Bloom, Mount Lebanon, Pa.

Application June 10, 1939, Serial No. 278,520
8 Claims. (Cl. 236—15)

1. A pre-mix firing system for industrial furnaces including a plurality of burners provided severally with outlets in communication with the combustion chamber of the furnace, a duct with which said burners communicate, means for maintaining a mixture of air and fuel in said duct, a master valve arranged to control the flow of the mixture from the duct to said burners, means responsive to temperature conditions within the furnace for adjusting the position of said valve and regulating the pressure of the mixture flowing from the duct to said burners, means for maintaining at substantially predetermined value the ratio of air to fuel in said mixture while the position of said valve is so adjusted



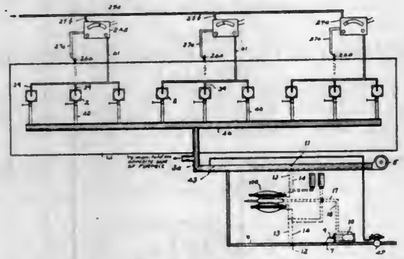
in accordance with temperature conditions within the furnace, and means in each burner responsive to variations in the pressure of the mixture delivered to the burners for regulating the flow of the mixture through the outlets of the burners.

2,296,256

INDUSTRIAL FURNACE AND FIRING APPARATUS

Frederick S. Bloom, Mount Lebanon, Pa.

Application February 4, 1941, Serial No. 377,282
10 Claims. (Cl. 236—15)



1. A pre-mix firing system for industrial furnaces comprising a burner including a valve-chest and a mouth opening therefrom, a supply of pre-mixed air and fuel in communication with said valve-chest in the burner, ducts for delivering air and fuel to said supply, apparatus for establishing and automatically maintaining the ratio of air to fuel in said supply at substantially constant value, a valve arranged in the valve-chest of the burner adjacent to said mouth thereof to control the rate of flow of the mixture of air and fuel from said burner, a diaphragm connected to said valve, said diaphragm exposed on its left-hand face to the pressure of said mixture of air and fuel and on its right-hand face to a fluid under pressure, means including a thermo-couple exposed to furnace temperature for varying the pressure of said fluid, with the effect that said diaphragm, yielding to variations in the differential value of such pressures, is adapted to adjust the flow-controlling position of said valve in accordance with variations in furnace temperature, said diaphragm being effective, upon a drop in the pressure of said mixture in said chest to critical value, to close said valve in said burner mouth and thereby safeguard the system from back-firing of said mixture of air and fuel.

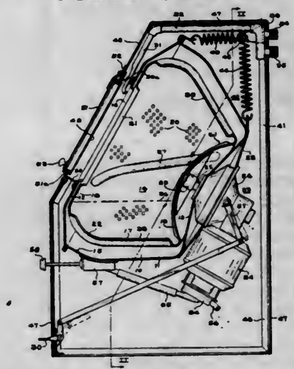
8. A pre-mix firing system for a furnace installation including a plurality of burners provided severally with back-fire arresting devices, a duct for supplying a pre-mixed combustible mixture of air and fuel at super-atmospheric pressure to said burners, means for supplying a mixture of air and fuel to said duct; said means including an air-delivering passage and a fuel-supplying line, together with apparatus for automatically regulating the ratio of air to fuel in the mixture supplied to said duct, a normally open shut-off valve in said fuel passage, and means organized with said valve and responsive to a drop in the pressure of the mixture of fuel and air to a critical value for closing said valve, while leaving the air-delivering passage open to a scavenging flow of air.

2,296,257

APPARATUS FOR WASHING FABRICS OR THE LIKE

Frank Breckenridge, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 23, 1938, Serial No. 203,804
8 Claims. (Cl. 68—24)



2. In a washing machine, the combination of a generally frusto-conical fluid container, a generally frusto-conical perforate basket disposed within the container for receiving the articles to be washed, said basket having its axis disposed at an acute angle from the vertical so that the bottom surfaces of the basket and container are disposed substantially in horizontal planes and means for actuating the basket about its axis for effecting the washing of the articles contained therein.

5. In apparatus for washing fabrics and for extracting fluid therefrom, the combination of a generally frusto-conical tub for containing cleansing fluid and provided with an access opening in its larger end, a generally frusto-conical basket for the fabrics disposed within the tub, said basket having an access opening in the larger end thereof registering with and adjacent to the opening in the tub, the opposite and smaller end of the basket being dished inwardly to provide a central convex dome within the basket, said tub and basket having respective side walls arranged substantially parallel, agitating means within the basket, a shaft connected to the dished end of the basket and extending exteriorly of the tub, said shaft and basket having a common axis of rotation inclined at an acute angle to the vertical during both washing and fluid extracting periods and the larger diameter portions of the tub and basket being disposed above the smaller, and means

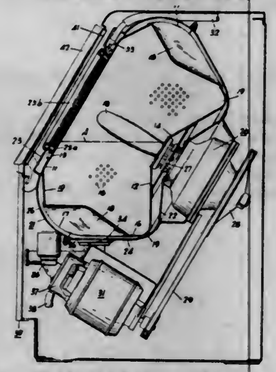
for actuating said shaft at relatively low speed for washing the fabrics in the cleansing fluid and at relatively high speed for extracting fluid therefrom.

2,296,258

METHOD OF CLEANING FABRICS OR THE LIKE

Frank Breckenridge, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 11, 1940, Serial No. 339,841
4 Claims. (Cl. 8—159)



1. The method of cleaning fabrics and subsequently centrifuging the cleaning fluid therefrom in a container having a generally circular end wall and side walls which extend therefrom and diverge outwardly from the axis of the container, which method includes partly filling the container with cleaning fluid and placing the fabrics to be cleaned in the container; repeatedly elevating the fabrics above the body of cleaning fluid by the container side wall and then returning the fabrics by gravity to the fluid to clean the same by rotating the container with its axis inclined at an angle to the vertical; removing the body of cleaning fluid when the cleaning operation is completed; continuing to rotate the container about an axis inclined at an angle to the vertical and at such a relatively low speed in the absence of the body of cleaning fluid as to concentrate the fabrics in a relatively small circular bundle at the smaller end of the diverging wall with the bundle distributed with substantial uniformity about said axis; progressively increasing the speed of rotation of the container to a relatively high centrifuging speed about an axis inclined from the vertical to expand the bundle of fabrics by centrifugal force and to a larger diameter of the diverging wall into an annular formation distributed with substantial uniformity about said axis, and separating fluid from the fabrics in the latter position by centrifugal action caused by continued rotation of the bundle at said relatively high centrifuging speed.

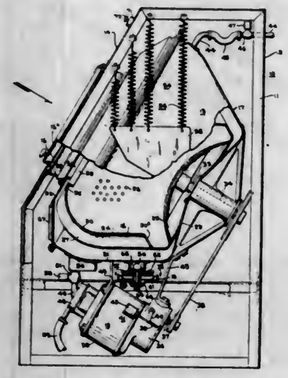
2,296,259

LAUNDRY APPARATUS

Frank Breckenridge, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 30, 1938, Serial No. 232,511
17 Claims. (Cl. 68—24)

1. In apparatus for cleaning fabrics and the like and for spinning fluid therefrom, the combination of a tub structure for containing the cleaning fluid, means for admitting and discharging fluid from the tub structure, a container for the fabrics disposed within the tub structure and having an axis about which angular movement of the container is effected, said axis of



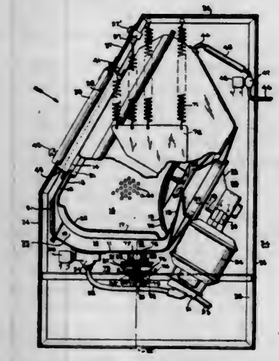
the container being disposed at an angle to the vertical during periods when a predetermined weight of fluid is contained in the tub structure and means responsive to the discharge of cleaning fluid from the tub for moving the axis of the container toward the vertical.

2,296,260

APPARATUS FOR WASHING FABRICS OR THE LIKE

Frank Breckenridge, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 26, 1938, Serial No. 226,853
16 Claims. (Cl. 68—24)



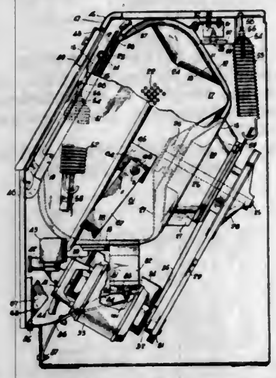
14. In apparatus for cleaning fabrics and for extracting cleaning fluid therefrom, the combination of a basket for the fabrics having an axis of rotation which is substantially horizontal, a tub for retaining cleaning fluid disposed about the basket, means provided in the tub for rotatably supporting the basket, a rigid supporting member disposed near the upper portion of the tub, tension springs interposed between said rigid supporting member and the tub for affording freedom of movement thereof in all modes and means for damping vibratory movements of said flexibly supported tub.

2,296,261

LAUNDRY APPARATUS

Frank Breckenridge, Hilbert E. Edwards and Stuart R. Baird, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 7, 1939, Serial No. 303,202
27 Claims. (Cl. 68—24)



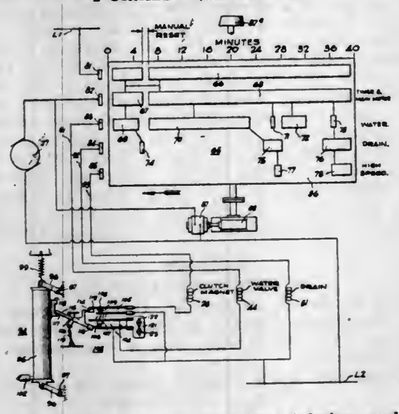
8. In apparatus for cleaning fabrics and for abstracting fluid therefrom, the combination of a tub structure, a basket disposed therein for containing the fabrics and rotatable about an axis extending generally horizontal and fixed with respect to the tub structure, means for moving the basket angularly about said axis at relatively low speed for cleaning the fabrics and at relatively high speed for extracting fluid from the fabrics, means resiliently supporting the tub structure, and damping means for resisting vibratory movement of the basket and including relatively movable members having frictional engaging surfaces, one of said members being carried by the tub structure.

2,296,262

WASHING APPARATUS

Frank Breckenridge and Earl K. Clark, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 2, 1939, Serial No. 307,202
4 Claims. (Cl. 68—12)



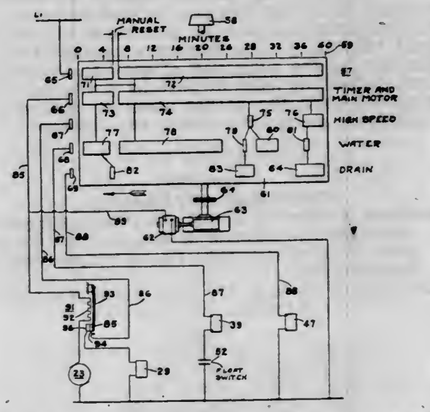
1. In apparatus for washing fabrics and for centrifuging water therefrom, the combination of a tub for containing washing water, a basket rotatably disposed within said tub, driving means for actuating the basket at relatively low frequency for washing the fabrics and for rotating the basket at relatively high speed for centrifuging fluid therefrom, means for admitting water to the tub, means for discharging water from the tub, first and second control devices for respectively controlling the operation of the water-admitting means and said driving means, and means responsive to the amount of water in said tub for so actuating the first and second control devices that the first controlling device renders the water-admitting means inactive when a predetermined amount of water is contained in the tub and active to admit water to the tub at any and all times that the amount of water in the tub is less than said predetermined amount, and that the second control device conditions the driving means for high-speed operation only when the tub is substantially devoid of water and for low-speed operation at any and all other times.

2,296,263

CLEANING APPARATUS

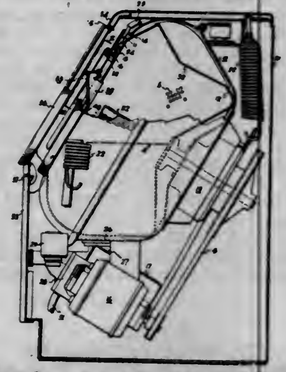
Frank Breckenridge, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 1, 1940, Serial No. 338,316
5 Claims. (Cl. 68—12)



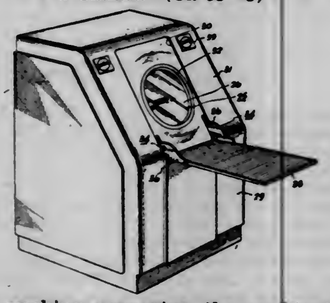
3. In apparatus for cleaning fabrics and for centrifuging cleaning fluid therefrom, the combination of a basket for containing a body of cleaning fluid and the fabrics to be treated, an electric motor, a speed-changing mechanism driven by the motor for operating the basket selectively at low and high speeds for the cleaning and centrifuging of the fabrics respectively, an electromagnetic device for operating the speed-changing mechanism and effective, when deenergized, to actuate the mechanism to its low-speed position and, when energized, to actuate the mechanism to its high-speed position, a switch controlling energization of the electro-magnetic device and normally maintained in closed position, and means responsive to a predetermined abnormal motor current for opening said switch, said last-mentioned means including time delay means and said last-mentioned means being effective to close the switch after a period of time of predetermined duration has elapsed subsequent to opening of the switch.

2,296,264
LAUNDRY APPARATUS
Frank Breckenridge, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 30, 1940, Serial No. 316,351
6 Claims. (Cl. 68—17)



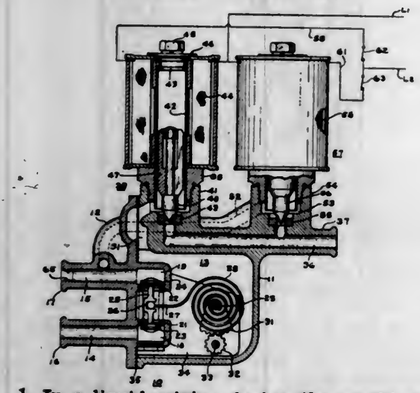
2. In laundry apparatus, the combination of a tub, a basket rotatably disposed therein and having its axis extending generally in a horizontal direction, said tub and basket having registering access openings formed in end walls thereof, a door hinged to the tub for closing the opening therein, said door having a central vitreous portion disposed opposite the opening in the basket, said vitreous portion having a passage formed therein for the admission of soap to the basket and defined at least in part by a vitreous wall sloped toward the basket opening, and readily adjustable means for closing the passage.

2,296,265
LAUNDRY APPARATUS
William J. Russell, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 19, 1940, Serial No. 314,577
2 Claims. (Cl. 68—3)



2. In washing apparatus, the combination of a fluid-containing tub structure having a front wall disposed in a plane inclined from the vertical and horizontal, said wall having an access opening formed therein, a door closing said opening and preventing discharge of fluid through said opening during operation of the washing apparatus, a casing enclosing said fluid-containing tub structure and having a front wall portion spaced from and disposed substantially parallel to said inclined front wall of the tub structure, said front wall portion of the casing having an access opening therein registering with the access opening of the tub structure at all times, a second door carried by the casing and movable to a first position for closing the access opening in the casing, said door being movable to an open position wherein it is disposed substantially horizontal for defining a shelf on the front of the casing, and means for retaining the casing door in its horizontal position.

2,296,266
LIQUID MIXING DEVICE
Frank Breckenridge, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 22, 1940, Serial No. 366,642
4 Claims. (Cl. 236—12)

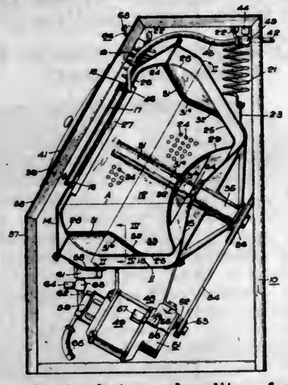


1. In a liquid mixing device, the combination of a valve body having a mixing chamber formed therein and including first and second inlet ports terminating in said chamber for respectively conveying relatively cold and hot liquid to the chamber, first and second valves respectively controlling flow of cold and hot liquid to the chamber, adjustable means responsive to the temperature of the mixed liquid for controlling the opening and closing of said valves, said body having an outlet port formed therein for conveying the mixed liquid from the chamber, means defining a passage in said valve body for conveying cold liquid from said first inlet port to the outlet port for mixture with the liquid passed by both of said first and second valves, a valve movable only to a closed and a fully open position for controlling the flow of liquid in said passage, and means defining a restriction in a portion of said first inlet port ahead of the connection between the first inlet port and said passage, said restriction providing a progressively increasing drop in pressure in the first inlet port and said passage as the flow of fluid through the first inlet port progressively increases, whereby the relative amounts of liquid passing through said outlet port and through said passage vary as the flow of liquid in the first inlet port varies.

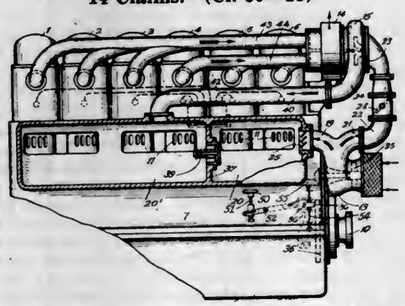
2,296,267
LAUNDRY APPARATUS
Stuart R. Baird, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 15, 1939, Serial No. 268,103
8 Claims. (Cl. 68—23)

5. In apparatus for washing fabrics and for

spinning fluid therefrom, the combination of a container for washing fluid, a perforate basket of substantially frusto-conical configuration disposed therein and having its axis of rotation inclined from both the horizontal and the vertical at all times so that the major diameter of the basket is uppermost, a dome closing the end of the basket of minor diameter and extending inwardly of the basket, a plurality of vanes circumferentially spaced in the basket and extending from adjacent the portion of the basket of major diameter toward the dome and terminating in spaced relation with the latter, and means for rotating the basket at low and high speeds about said axis during periods of the washing and spinning, respectively.

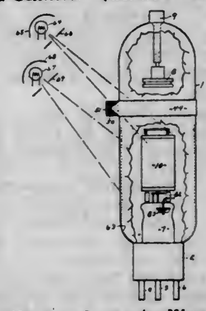


2,296,268
CHARGING DEVICE FOR INTERNAL COMBUSTION ENGINES
Alfred Büchi, Winterthur, Switzerland
Application November 25, 1939, Serial No. 306,191
In Switzerland March 28, 1939
14 Claims. (Cl. 60—13)



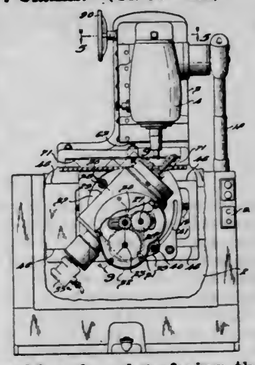
10. In apparatus for supercharging the cylinders of internal combustion engines a mechanically driven, vaned, rotary blower, an exhaust gas turbine driven, vaned rotary blower arranged at the same end of the internal combustion engine as said mechanically driven blower, separate air delivery conduits providing individual communication between said different blowers and the air intake means of the internal combustion engine, a common branch air conduit communicating with both blowers, a non-return valve in the air delivery conduit of said mechanically driven blower, said valve opening automatically when said engine is in the initial condition of operation, thereby delivering part of the output of said mechanically driven blower into said engine intake means directly, and automatically closing by action of said turbine driven blower when the delivery pressure of the latter increases above that of said mechanically driven blower at the higher power outputs of said engine, so that all of the air supplied to the intake means by said different blowers is then conducted through said branch conduit.

2,296,269
PHOTOELECTRIC ELECTRONIC TUBE
Palmer H. Craig, Shaker Heights, and Lester C. Herman, South Euclid, Ohio, assignors to Invex Corporation, a corporation of New York
Application May 13, 1940, Serial No. 334,846
14 Claims. (Cl. 250—41.5)



1. The method of controlling the current amperage in an electric circuit having connected therein the anode and cathode of a rectifier-type space-discharge electronic tube comprising a control electrode and containing light-responsive material in the tube envelope, which includes subjecting the anode and cathode to electrical potential of a value sufficient to cause discharge current to flow in the tube and circuit but normally preventing current flow by energization of the control electrode, causing discharge current to flow by subjecting the light-responsive material to light and determining the amperage of the current by the intensity of the light, independently of the value of said electrical potential.

2,296,270
GEAR TOOTH CHAMFERING MACHINE
Ralph E. Cross, Detroit, Mich.
Application January 27, 1939, Serial No. 253,157
7 Claims. (Cl. 90—1.4)



1. In a machine for chamfering the ends of gear teeth, a base, a cutter head, means for moving the cutter head vertically on the base, means

providing for adjustment of the cutter head horizontally on the base, a work head having a work holding spindle rotatably mounted therein, means for adjusting the work head horizontally, means for adjusting the work head about an axis at a right angle to the axis of rotation of the spindle to vary the angle of the spindle, a cutter mounted in the cutter head, the gear to be chamfered being mounted on the work holding spindle, drive means connecting the cutter and work holding spindle whereby the cutter and gear are rotated continuously in opposite directions, the cutter having two diametrically opposed cutting teeth each arranged to chamfer opposite side edges of successive teeth as the cutter is moved into engagement with the gear.

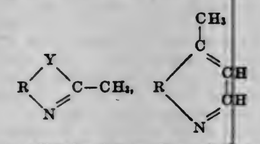
2,296,271

PROCESS OF COLOR FORMING DEVELOPMENT AND PHOTOGRAPHIC COMPOSITIONS CONTAINING COLOR FORMING COMPOUNDS

George A. Dawson, Stelton, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 19, 1939, Serial No. 295,684
7 Claims. (Cl. 95—6)

1. The process which comprises developing a photographic silver salt image in the presence of a heterocyclic nitrogen base having in one of its tautomeric forms one of the following general formulae:



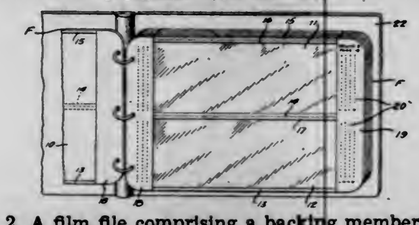
wherein Y is a divalent member of the group consisting of —O—, —S—, —Se—, —Te—, —NH—, —CH=CH and =C(CH$_3$)$_2$ and R is a member of the group consisting of vinylene and arylene nuclei, with a color-coupling aromatic amino developing agent having an unsubstituted amino group.

2,296,272

FILM FILE

William N. de Sherbinin, Mount Kisco, N. Y.

Application November 6, 1940, Serial No. 364,586
3 Claims. (Cl. 129—20)



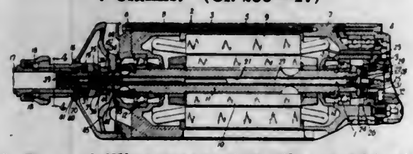
2. A film file comprising a backing member of light transmitting and diffusing material, two strips of transparent material of substantially the same length and of about half the width of the backing member disposed adjacent the backing member and side by side in non-overlapping relationship, a narrow strip of material for securing a side portion of one strip to a side portion of the backing member, another narrow strip of material for securing a side portion of the other strip to the central portion of the backing member, and opaque material for securing the end portions of the strips to the end portions of the backing member to provide a plurality of pockets for films, the opaque material extending beyond the ends of the backing member.

2,296,273

DRILLING APPARATUS

Carl E. Dittmer, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application April 9, 1940, Serial No. 328,737
7 Claims. (Cl. 255—47)



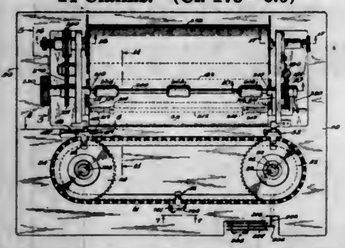
1. In a drilling apparatus, the combination comprising a motor for rotating a drill bit, said motor having a rotor shaft provided with an axial bore, a rearwardly located support, means for conducting cleansing fluid to the drill bit comprising a fluid conducting tube secured to said rear support and extending centrally within said shaft bore, packing means carried within the forward end of said shaft bore for sealingly engaging the exterior of said tube, means at the rear end of said tube providing a space surrounding said tube, and means for venting said space to atmosphere.

2,296,274

FACSIMILE RECORDER

William G. H. Finch, Newtown, Conn.

Application May 10, 1940, Serial No. 334,404
14 Claims. (Cl. 178—6.6)



1. A telepicture receiver for line by line scanning of a sensitive sheet, comprising a sensitive sheet carrier and a recorder carriage, said recorder carriage having a regular continuous movement with respect to said sheet carrier, said recorder carriage carrying a recording element, means for causing said recording element to remain stationary with respect to said record sheet while said recorder carriage maintains the said regular continuous movement with respect to said sheet carrier, and means for thereafter permitting said recorder element to move with said recorder carriage and with respect to said sheet upon receipt of a selected signal.

2,296,275

CAOUTCHOUC REGENERATION

Henry Ghez and Oscar Ghez, Paris, France, assignors to "Sudamericana de Patentes" SA, Panama City, Panama, a corporation of Panama

No Drawing. Application April 25, 1939, Serial No. 270,027
2 Claims. (Cl. 260—718)

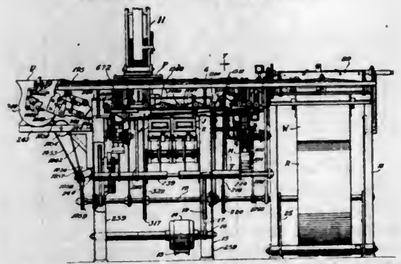
1. In the reclaiming of vulcanized rubber, the process which comprises introducing vulcanized rubber scrap into a liquid bath of bituminous material, heating the whole to a uniform temperature within the range of about 180° to 225° C. and continuing the heating for a period of from about 30 to 60 minutes, whereby depolymerization of the rubber to such an extent that it can be readily plastified by milling, is produced without the production of any substantial swelling or dissolving of the rubber, and then removing said rubber from the bath.

2,296,276

CALCULATING MACHINE

Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware

Original application July 28, 1938, Serial No. 221,841. Divided and this application January 9, 1940, Serial No. 313,146
30 Claims. (Cl. 235—61.6)



1. A multiplying apparatus employing a device consisting of a support, a plurality of members mounted on said support in predetermined positions thereon, said members respectively bearing aligned representations of the digits that may appear in the intermediate products determined upon multiplication of a given factor by the digits 0 to 9, means for retaining said members in position on said support with the various representations pertaining to a particular intermediate product in definite relation with each other, a control member connected to said support for conjoint movement therewith and having a plurality of digit-representations, certain of said digit-representations pertaining to at least two digits and all of said digit-representations being in predetermined relation with the intermediate product determined by multiplication by the particular digit or digits represented thereby, and means in said apparatus positioned in accordance with the value of the digit for which a represented intermediate product is to be positioned in operative position and cooperating with the digit representations on said control member to selectively dispose one or the other of the intermediate products related to the representations on said control member in operative position.

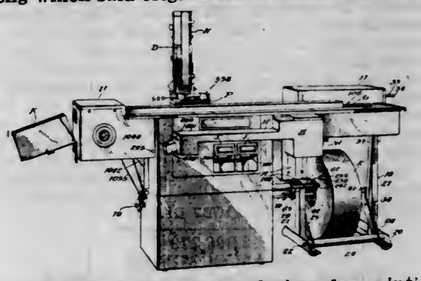
2,296,277

PRINTING MACHINE

Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware

Application July 28, 1938, Serial No. 221,841
92 Claims. (Cl. 101—58)

1. In a machine of the character described, the combination of, means for feeding printing devices sequentially through the machine, means for feeding an original sheet through the machine, means for feeding a proof sheet through the machine along a different path than that along which said original sheet is fed, and means



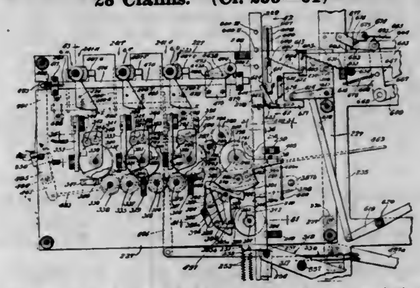
coacting with said printing devices for printing changeable data first upon said original sheet and subsequently upon said proof sheet.

2,296,278

CALCULATING MACHINE

Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware

Application January 9, 1940, Serial No. 313,147
28 Claims. (Cl. 235—61)



28. In a multiplying apparatus for ascertaining the product of two multidigit factors of which the multiplicand is constant and the multiplier is selective, an open edged frame comprising a pair of side plates supported in substantially rigid spaced relation to each other, a plurality of pairs of aligned bearings mounted on said plates along one open edge of the frame, there being one pair of aligned bearings for each order of the multiplier, a plurality of sets of settable amount representing members each having amount representing abutments disposed in a plurality of similar rows allocated one to each of the significant digits and zero and the abutments in each row being representative of the intermediate product resulting from multiplication of a predetermined multidigit multiplicand times the digit to which such row is allocated, there being one such set for each order of the multiplier, means mounting said sets in said bearings on said frame for individually controlled shifting movement and with said sets denominationally displaced with relation to each other, a plurality of summation means one of which is allocated to each order of the largest final product to be ascertained by said multiplier, each of said summation means comprising a differential gear train mounted between said side plates and each of said differential gear trains having a reaction member at one end and a summation member at the other end, shafts mounted in said plates for supporting the elements of the summation gear trains and spacing means thereon to maintain the summation gears in aligned relation, sensing elements oper-

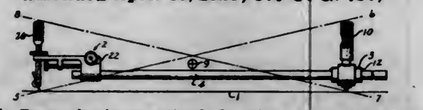
atively associated with intermediate elements of said gear trains to provide an individual sensing element for sensing cooperation with the abutments in each set, supporting and guiding means on said plates for guiding said sensing elements in alignment with related gear trains and abutments, all of said sensing elements being shiftable toward said one open edge of said frame into sensing cooperation with the sets to which they are respectively allocated, and carry-over mechanism associated with the differential gear trains of certain of said orders and operatively associated with and controlled by the summation member of the next lower order.

2,296,279

BEAM COMPASS

Miles H. Hamilton, Ann Arbor, Mich.

Application June 17, 1941, Serial No. 398,441
10 Claims. (Cl. 33—159)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



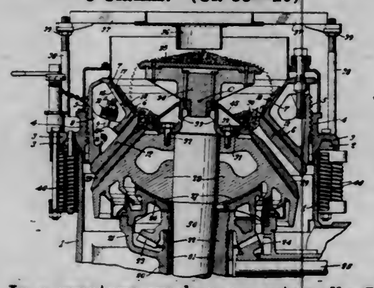
1. In an instrument of the class described having an elongated member and a head adapted for sliding movement along the length of said member, the combination of rack teeth extending substantially laterally across said member, a worm meshing with said teeth, a groove in said worm, and means integral with said head and cooperating with said groove for preventing relative movement between said head and said worm.

2,296,280

MEANS OF FEEDING GYRATORY CRUSHERS

Oscar C. Gruender, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 3, 1940, Serial No. 350,887
5 Claims. (Cl. 83—10)



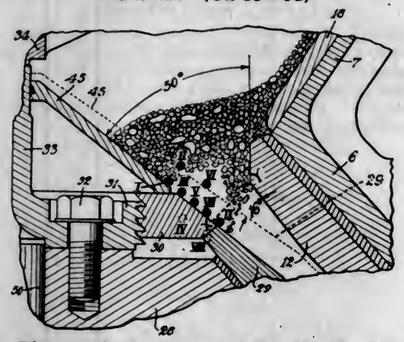
1. In a gyratory crusher, an outwardly flaring head and an overhanging bowl, means for gyrating the head at a rate and through an excursion of sufficient length to cause the particles in the crushing cavity defined by the head and bowl to fall freely away from the face of the bowl under gravity at each crushing nip, and means for limiting the feed to the crushing cavity, which includes means for restricting the delivery of the particles to be crushed to movement along paths generally perpendicular to the face of the head, and for thereby bringing the particles so fed to a dead stop against the head or against material resting thereon, at the top of the crushing cavity, the upper portions of the head and bowl defining, at the top of the crushing cavity, a space radially sufficiently restricted to limit the mass of stopped particles admitted to the top of the crushing cavity at each crushing stroke to a volume no greater than the volume of crushed particles discharged from the bottom of the crushing cavity at each crushing stroke.

2,296,281

METHOD FOR FEEDING GYRATORY CRUSHERS

Oscar C. Gruender, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 3, 1940, Serial No. 350,888
6 Claims. (Cl. 83—94)



1. The method of controlling the feed to a sparse feed gyratory crusher having an outwardly flaring head and an overhanging bowl and a stroke of such frequency, amplitude and direction as to permit the particles undergoing crushing to fall freely away from the face of the bowl after each crushing nip, which includes feeding the particles from above toward the crushing zone defined between the opposed head and bowl, along paths generally at right angles to the face of the head, bringing each particle so fed to a dead stop, at the top of the crushing cavity, against an upper portion of the head or against particles resting thereon, and thereby limiting the initial penetration of the particles into the crushing cavity, and reducing the depth of the mass of material which penetrates the top of the crushing cavity at each stroke, thereafter permitting each such stopped particle to penetrate the crushing cavity, and maintaining the area defined by head and bowl at the top of the crushing cavity radially sufficiently restricted to limit the mass of such stopped particles admitted to the top of the crushing cavity at each stroke to a volume not greater than the volume of crushed particles discharged from the bottom of the crushing cavity at each stroke.

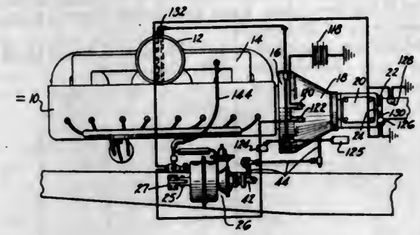
2,296,282

CLUTCH CONTROL MECHANISM

Howard E. Hruska, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application April 2, 1941, Serial No. 386,407
6 Claims. (Cl. 192—.01)

1. In an automotive vehicle having in its power plant an accelerator and a friction clutch, said clutch comprising a driving plate and a driven plate, power means for moving said driving plate away from and into engagement with said driven plate, said power means comprising a pressure differential operated motor unit, said unit including a power element operably connected with the driven clutch plate, a three-way valve serving when operated to initiate either a clutch disengaging or a clutch engaging operation of the motor unit, a solenoid for operating said valve, a switch, operated by accelerator operated linkage, for in part controlling the operation of said solenoid and valve means for controlling the clutch engaging operation of said motor unit including a pressure differential and spring operated valve, a spring for in part controlling the operation of said valve the latter being operative



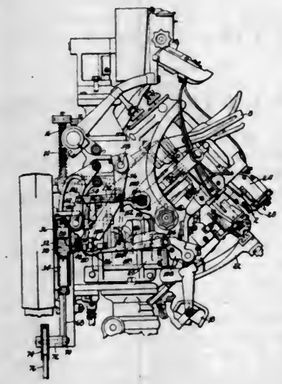
when said spring expands to terminate one phase of the clutch engaging operation of said motor and further including a pressure differential operated bleed valve for controlling another phase of the clutch engaging operation of said motor unit, said latter valve being operated by a pressure differential operated diaphragm, one side of said diaphragm being placed in fluid transmitting connection with the intake manifold of the internal combustion engine of the vehicle.

2,296,283

MACHINE FOR SHAPING UPPERS OVER LASTS

Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application September 23, 1941, Serial No. 411,996
23 Claims. (Cl. 12—4)



1. In a machine for shaping uppers over lasts, means for gripping the margin of an upper on a last, a device having a body of fluid therein, means for setting up in said body of fluid a series of automatically repeated pressure impulses, and mechanism for effecting a series of relative movements of said upper-gripping means and the last to pull the upper in response to the impulses thus set up in the fluid.

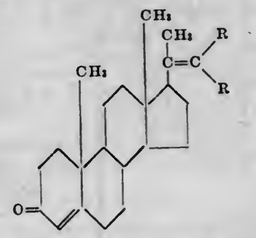
2,296,284

METHOD FOR PREPARING MATERIAL HAVING THE PHYSIOLOGICAL ACTIVITY OF THE CORPUS LUTEUM HORMONE

Percy L. Julian, Maywood, and John Wayne Cole, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application April 16, 1941, Serial No. 388,901
10 Claims. (Cl. 260—397.3)

1. The process for preparing a material having the physiological properties of the corpus luteum hormone which comprises subjecting a keto-ethylene of the formula



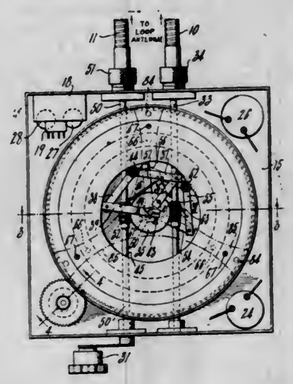
wherein R represents a hydrocarbon radical, to the action of ozone, followed by decomposition of the ozonide, and separating the products so formed.

2,296,285

RADIO AZIMUTH INDICATOR

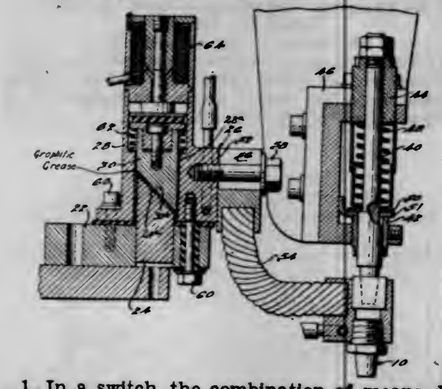
William P. Lear, Dayton, Ohio, assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio, a corporation of Illinois

Application December 28, 1939, Serial No. 311,313
9 Claims. (Cl. 250—11)



1. A composite indicating unit of the character described comprising: a first quadrantal error corrector, a rod coupled to said first corrector; a second quadrantal error corrector, a sleeve concentrically arranged about said rod and coupled to said second corrector; a frame rotatably supporting said sleeve and said rod with corresponding ends thereof projecting through to the exterior of the unit; and first and second indicator needles respectively attached to said corresponding ends of said sleeve and rod externally of the unit.

2,296,286
ELECTRICAL CONTROL APPARATUS
Chester F. Leathers, Detroit, Mich., assignor to Progressive Welder Company, Detroit, Mich., a corporation of Michigan
Application December 13, 1940, Serial No. 369,931
2 Claims. (Cl. 200—144)



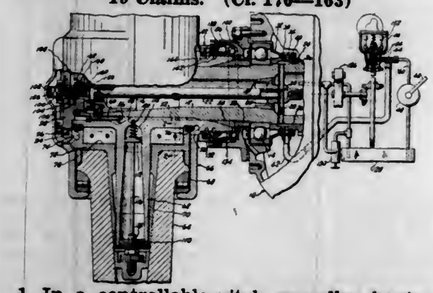
1. In a switch, the combination of means defining first and second relatively movable contact surfaces and an enclosing housing for said contact surfaces, and a lubricant containing conducting elements filling the space in said housing between said contact surfaces to such an extent as to bridge the space between the contacts and form a conducting path therebetween when the same are fully separated, and means operatively associated with the contacts for effecting relative movement therebetween.

2,296,287
ELECTRIC WATER LIGHT
Glen W. Leyde, Arlington, Va.
Application January 16, 1941, Serial No. 374,683
15 Claims. (Cl. 9—8.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



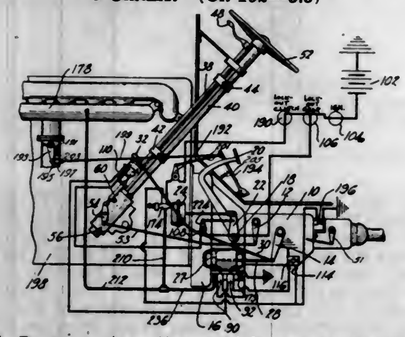
1. A buoyant electric water light comprising a tube closed at one end, a plurality of battery units in said tube adapted to contact with the closed end of the tube in completing a circuit therethrough only when the light is in substantially upright position, a closure for the other end of said tube, a lamp socket base above said closure, means for spacing the uppermost battery unit from said closure, an extendable conduit connecting the lamp socket base through said closure to the uppermost battery unit, a lamp in said socket base, a lens, and means for securing said lens to said lamp end of said tube comprising a depending skirt attachable to the upper end of said tube.

2,296,288
CONTROLLABLE-PITCH PROPELLER
Erle Martin, West Hartford, and John E. Anderson, Portland, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application September 7, 1938, Serial No. 228,772
19 Claims. (Cl. 170—163)



1. In a controllable-pitch propeller having a hub structure and a plurality of blades supported by said hub structure for pitch changing rotational movements, a reversible vane type hydraulic motor operatively associated with the hub supported end of each blade for rotating the same, a source of hydraulic pressure within said hub structure adjacent to said motors, a drain leading from said hub structure, fluid passages wholly within said hub structure between said pressure source and said motors and between said motors and said drain, a fluid pressure operated valve also disposed within said hub structure intercepting said fluid passages to control the application of pressure fluid to said reversible motors, means for applying the pressure of hydraulic fluid to operate said valve and hydraulic means operatively associated with said pressure applying means for controlling the operation of said valve to regulate the pitch of said propeller.

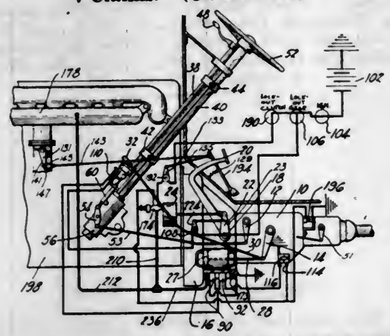
2,296,289
CLUTCH AND TRANSMISSION OPERATING MECHANISM
Thomas L. Mayrath, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 15, 1939, Serial No. 295,003
6 Claims. (Cl. 192—3.5)



1. In an automotive vehicle provided with a

friction clutch and a change speed transmission having a low and reverse gear shift rail and a high and second gear shift rail, means for operating the clutch and transmission including a manually operated selector mounted adjacent the steering wheel of the vehicle, manually operated means interconnecting the selector with the transmission and serving, when operated, to move the low and reverse gear shift rail, a pressure differential operated motor operably connected to the clutch, a pressure differential operated motor for moving the second and high gear shift rail of the transmission to establish the same in either second gear or high gear, valve mechanism for controlling the flow of air into and from said transmission operating motor, electro-magnetic means for operating said valve mechanism, and means for controlling the operation of said electro-magnetic means including a switch operated by said first mentioned motor, a governor operable in accordance with the speed of the vehicle and a switch operated by said governor serving, in part, to control the operation of the valve operating electro-magnetic means, and also serving, in part, to control the operation of the clutch operating motor.

2,296,290
POWER TRANSMISSION MECHANISM
Thomas L. Mayrath, Dayton, Ohio, assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application September 15, 1939, Serial No. 295,003. Divided and this application November 18, 1941, Serial No. 419,650
7 Claims. (Cl. 192—.01)



1. In an automotive vehicle provided with a power plant including an internal combustion engine having a carburetor provided with a throttle valve, a friction clutch having a driving element and a driven element, a fluid coupling interposed between the engine and the friction clutch and having a driving element connected to the engine and a driven element connected to the driving element of the friction clutch, and an accelerator for controlling the operation of the throttle and for controlling the fluid coupling through the intermediary of the internal combustion engine, power means for operating said friction clutch comprising a pressure differential operated motor, valve means for controlling the operation of said motor comprising a three-way valve operable to initiate the clutch disengaging and engaging operations of said motor, a switch connected to the accelerator said switch constituting means operated by the accelerator for in part controlling the operation of said three-way valve, other valve means for so controlling the operation of said motor as to effect a plurality of stages of movement of the power element of said motor during the clutch engaging operation thereof, means providing a lost motion connection between the accelerator and throttle valve, the parts of said mechanism being so constructed and arranged that the three-way valve is operated to initiate a clutch engaging operation of said motor during the first increment of throttle opening movement of the accelerator and before said throttle is opened to speed up the engine and thereby effect the operation of the fluid coupling.

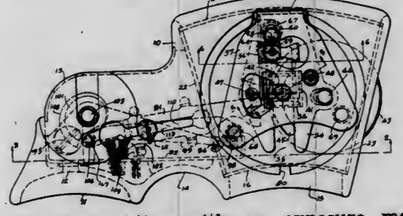
2,296,291
WATER SOLUBLE DERIVATIVE OF VITAMIN D
Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 2, 1938, Serial No. 199,726
9 Claims. (Cl. 260—397.2)

1. As a new product, a compound of the formula

RO—Ac—M

in which R represents the hydrocarbon portion of vitamin D, Ac represents a polybasic acid radical and M represents a member of the group consisting of hydrogen and a metal.

2,296,292
COMBINED EXPOSURE METER AND RANGE FINDER
Nicholas Miller, Berwyn, Ill.
Application April 1, 1940, Serial No. 327,238
17 Claims. (Cl. 88—23)

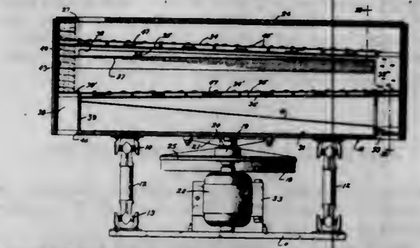


1. In combination with an exposure meter adapted to measure illumination, a time scale, a stop scale, means for adjusting the relation of said scales in accordance with the illumination of the object, a range finder, and connection between the exposure meter and the range finder for modifying the relation of said scales in accordance with the distance of the object.

2,296,293
METHOD OF SIFTING
Paul Nacher, Evanston, Ill., assignor to B. F. Gump Co., Chicago, Ill., a corporation of Illinois
Application August 2, 1940, Serial No. 349,918
2 Claims. (Cl. 209—322)

1. The method of sifting flour in a shaking type of sieve which comprises placing upon the upper surface of a sieve the flour to be sifted, introducing a plurality of freely movable small objects of a size considerably larger than the flour particles and having a density equal to or greater than that of the flour particles into the flour for cooperating with the upper surface of the sieve to subject particles of the flour and the sieve to a rubbing action to force particles

of flour through the sieve, removing tailings and objects from the top of the sieve, separating said objects from any tailings and continuously returning said objects to the top of said sieve, and simultaneously therewith transversely tapping the under surface of the sieve at a plurality of points to jar the sieve and movable objects



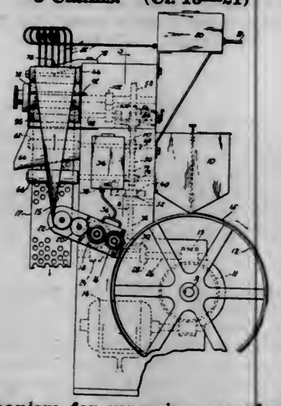
thereon thus aiding in freeing particles clogging the interstices of the sieve and to enhance the action of the freely movable objects in rubbing particles through the sieve whereby the aggregate of flour passing through the sieve is substantially greater than that attained by the use separately of said rubbing and tapping actions.

2,296,294

CAPSULE STRIPPING APPARATUS

Robert P. Scherer, Detroit, Mich.

Original application October 8, 1935, Serial No. 44,017. Divided and this application December 7, 1939, Serial No. 308,103
3 Claims. (Cl. 18—21)



1. Mechanism for removing capsules from an advancing band of capsule forming material in which the capsules have been formed and substantially detached therefrom comprising a pair of stripper elements engaging opposite sides of the advancing band, at least one of said stripper elements being a roller rotatably driven counter to the direction of travel of the band.

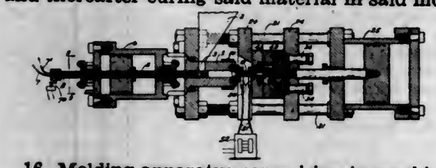
2,296,295

MOLDING METHOD AND APPARATUS

Clement D. Shaw, Orchard Lake, Mich., assignor to William B. Hoey, Franklin, Mich., and Everett D. McCurdy, Cleveland, Ohio, as trustees

Application December 8, 1938, Serial No. 244,595
22 Claims. (Cl. 18—30)

2. The process of molding thermosetting plastic material which comprises plasticizing said material, applying pressure to said material and forcing it to flow in a rapidly moving stream of small cross-sectional area into a heated mold, subjecting said material while flowing in said stream to temperature substantially higher than mold temperature, filling said mold before such material reaches an irreversible reaction point, and thereafter curing said material in said mold.



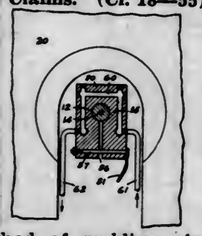
16. Molding apparatus comprising in combination, a pressure chamber, a mold, a nozzle for conducting material from said chamber to said mold, a piston acting in said chamber for forcing material from said chamber through said nozzle into said mold, means for warming the material in said chamber to a condition of plasticity at least adjacent said nozzle, means for heating said mold to facilitate the curing of material injected thereinto through said nozzle, means associated with said nozzle for subjecting said material in said nozzle to temperatures substantially in excess of mold temperature at least during the time when material is being injected into said mold through said nozzle whereby to reduce the curing time in said mold, and means for causing said heating means to heat said nozzle on the forward stroke only of said piston.

2,296,296

MOLDING PROCESS

Clement D. Shaw, Shaker Heights, Ohio, assignor to William B. Hoey, Franklin, Mich., and Everett D. McCurdy, Cleveland, Ohio, as trustees

Application October 2, 1941, Serial No. 413,341
4 Claims. (Cl. 18—55)



1. The method of molding plastic material which comprises softening a quantity of said material, causing said material to move at high speed in a small stream into a mold, heating said material while moving in said small stream and subjecting the same to a temperature substantially in excess of softening temperature, maintaining the velocity of said stream while subjecting the material to said temperature and while filling said mold, the stream coming to rest upon completion of the filling of the mold, and stopping the heating of said stream in timed relation to the stopping thereof, and maintaining a substantially solidifying temperature on the material of said stream while said stream is quiescent.

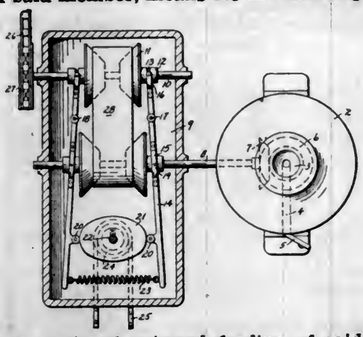
2,296,297

STAPLE FIBER CUTTER

Robert A. Smith, Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application January 29, 1942, Serial No. 428,669
5 Claims. (Cl. 164—36)

5. An apparatus for cutting filamentary material at intervals to discontinuous lengths comprising a rotating member for centrifugally feeding said material substantially radially outwardly therefrom, a cutting means adjacent the periphery of said member, means for maintaining con-



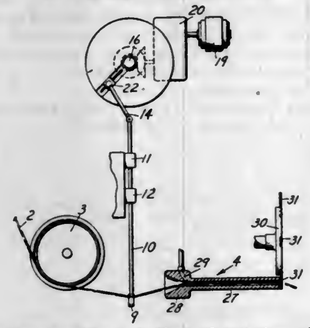
stant the rate of outward feeding of said filamentary material with respect to said member, and means for varying the speed or rotation of said member continually during operation.

2,296,298

STAPLE FIBER CUTTER

John E. Spalding, Nitro, and Dan B. Wicker, Dunbar, W. Va., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application October 4, 1941, Serial No. 413,703
17 Claims. (Cl. 164—17)



1. In apparatus of the character described, means for cutting filamentary material at intervals to discontinuous lengths, means for feeding filamentary material to said cutting means, and means for varying the lengths of the filamentary material extending from the feeding means to the cutting means at successive instants of cutting.

2,296,299

WASHBOARD

Samuel Steinmetz and Isaac E. Schine, Bridgeport, Conn.

Application February 24, 1940, Serial No. 320,545
1 Claim. (Cl. 68—226)

In a washboard, the combination with a base comprising a series of rigid bars arranged in parallel relation and having slots between them and side members respectively engaged with the ends of said bars to secure them in a parallel relation, of a series of flexible strips each having parallel longitudinal edges and being formed of rubber encased woven fabric having the fabric threads bias to said longitudinal edges and each comprising a continuous attaching portion engaged in said slots and secured to said bars and a marginal portion projected from said bars at one



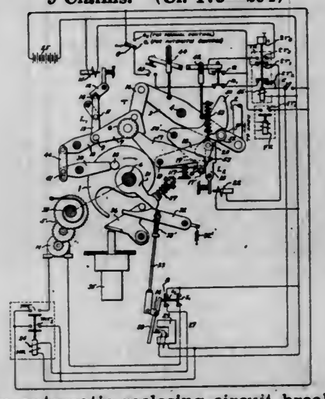
side and having a series of transverse cuts extending from the outer projected edge inwardly in the direction of said continuous portion and forming a series of contiguous flexible tongues.

2,296,300

HIGH SPEED RECLOSING MECHANISM

Carl Thumim, Yeadon, Pa., assignor to General Electric Company, a corporation of New York

Application July 18, 1939, Serial No. 285,090
9 Claims. (Cl. 175—294)



1. An automatic reclosing circuit breaker system comprising circuit breaker operating means, a motor operated cam adapted to close the circuit breaker through said means, means for presetting said cam at an intermediate point in the full operating stroke thereof, and means for energizing said motor in response to tripping of said circuit breaker whereby said circuit breaker is immediately reclosed by said cam after but a fractional part of the full opening stroke of said circuit breaker.

2,296,301

KNITTED ARTICLE AND METHOD FOR MAKING SAME

Frank G. Weisbecker, Glenside, Pa., assignor, by mesne assignments, to Hosiery Patents Incorporated, Lansdale, Pa., a corporation of Pennsylvania

Application February 3, 1938, Serial No. 188,579
40 Claims. (Cl. 66—185)

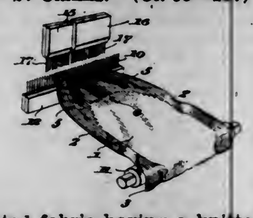
4. A stocking having spaced outer toe edge

portions folded into position opposite intermediate toe edge portions, and yarn knitted into loops and interlooped with said outer and inter-



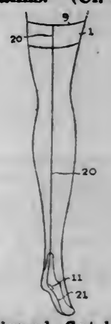
mediate edge portions to form a seam therefor, each of at least a substantial number of said yarn loops being interlooped with one and one only of said edge portions.

2,296,302
ART OF SEAMING FABRICS
Frank G. Weisbecker, Glenside, Pa., and William W. Fleming, Washington, D. C., assignors, by mesne assignments, to Hosiery Patents Incorporated, Lansdale, Pa., a corporation of Pennsylvania
Application November 15, 1939, Serial No. 304,594
27 Claims. (Cl. 66—187)



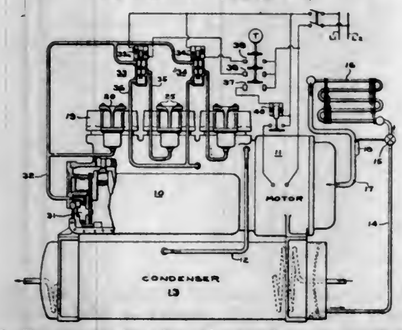
17. Knitted fabric having a knitted seam, the knitted fabric having outer edge portions folded inwardly and seamed to the intermediate edge portions, said edge portions being formed of loops, and said seam comprising knitted yarn having regular courses and wales with the wales running lengthwise of said seam and interknit with said edge loops.

2,296,303
ART OF SEAMING
Frank G. Weisbecker, Glenside, Pa., assignor to Hosiery Patents Incorporated, Lansdale, Pa., a corporation of Pennsylvania
Application August 26, 1940, Serial No. 354,282
39 Claims. (Cl. 66—178)



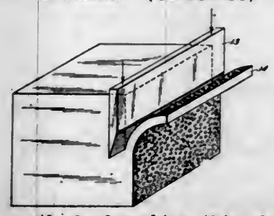
19. A full-fashioned, flat knit stocking formed entirely of knitted fabric.

2,296,304
REFRIGERATING APPARATUS
Edward R. Wolfert, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 23, 1938, Serial No. 203,796
20 Claims. (Cl. 62—4)



1. In apparatus for air cooling an enclosure, the combination of an evaporator, a multi-cylinder compressor, and a condenser connected in a refrigerant circuit, means for conveying air over said evaporator and into the enclosure, and means for starting and stopping the compressor and loading and unloading one or more cylinders of the compressor automatically in response to the temperature of the air in the enclosure.

2,296,305
MANUFACTURE OF THIN SHEETS OF CHEMICALLY BLOWN RUBBER
Dudley Roberts, New York, N. Y., assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware
Application December 1, 1939, Serial No. 307,062
3 Claims. (Cl. 18—53)

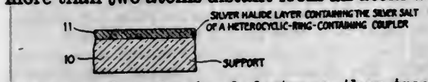


1. The method of making thin sheets of the order of one-eighth of an inch of closed cell gas expanded rubber which comprises incorporating a chemical blowing agent in rubber, heating the rubber to partially cure and partially expand said rubber, slicing said rubber into sheets, placing said thin sheets in a mold, and heating said sheets to expand and finally cure said sheets.

2,296,306
NONDIFFUSING METALLIC SALT COUPLER COMPOUND
Willard D. Peterson, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 29, 1939, Serial No. 297,153
In Great Britain October 26, 1938
5 Claims. (Cl. 95—6)

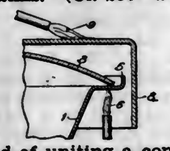
1. The method of producing a color-forming photographic emulsion which comprises incorporating in a colloidal material a coupler com-

pound containing a heterocyclic nucleus having therein an imino group the hydrogen of which is replaceable by a metal atom to render the compound non-diffusing, the imino group being not more than two atoms distant from an atom which



has an unshared pair of electrons, then treating the colloidal material with a metal salt more soluble than the metal salt of the coupler to replace the hydrogen atom of the imino group, and forming a sensitive silver salt in the colloidal material.

2,296,307
METHOD OF MAKING GLASS-TO-METAL SEALS
Donnell W. Power, Summit, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application April 30, 1940, Serial No. 332,537. Divided and this application February 28, 1941, Serial No. 381,206
3 Claims. (Cl. 250—27.5)



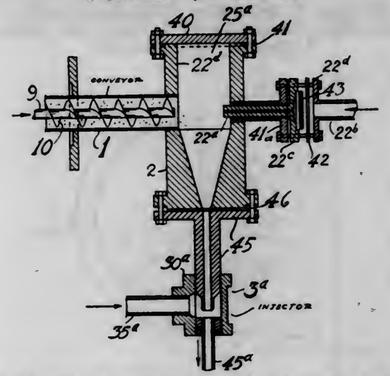
2. The method of uniting a convex glass plate to the end of a sheet metal envelope having a flange extending a substantial distance outwardly from the rim of the envelope, comprising mounting the envelope vertically with the flange upward and positioned horizontally, setting the convex glass plate on the flange with the edge of the plate concentric with and adjacent the outer edge of the flange, heating to sealing temperature said flange and the contacting edge of the plate, gradually laying by gravity the glass of the plate against the flange as the glass heats progressively from its edge, and continuing the heating of the flange and edge portion of the glass plate until the plate settles to a position where the contacting area of glass and metal is adjacent the inner edge of the flange.

2,296,308
INDICATOR
Alphonso L. Rand, Worcester, Mass.
Application August 1, 1941, Serial No. 404,965
2 Claims. (Cl. 116—130)



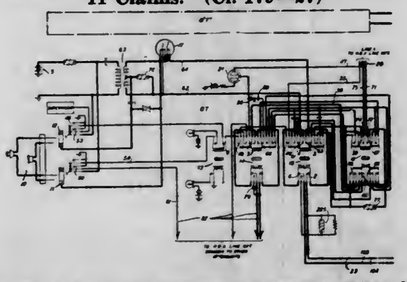
1. An indicator of the class described, comprising a plate having in one edge a series of item-designating notches and in another edge a series of storage notches, and a series of indicating devices, each consisting of a bead or marker and an elastic band suspending same from said plate, each band being shorter than the distance of any of said notches from said band's point of attachment to said plate, whereby to be placed under tension by the selective disposal of its bead or marker in a storage notch or in an item-designating notch.

2,296,309
CONVEYING POWDERED MATERIAL
Edward D. Reeves, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 17, 1939, Serial No. 284,892
2 Claims. (Cl. 302—50)



1. A feeding mechanism of the character described including a block having a vertical bore extending therethrough tapering to a diameter of relatively small size at its lower end, means for closing the bore at its upper end to form a dispersing chamber, a conveying means for feeding a powdered material into said chamber, a conduit means projecting into said chamber and disposed opposite said conveying means, a conduit of greatly reduced internal diameter in communication at one end with said lower end of said dispersion chamber and at the other end with an injection means, and means for withdrawing fluid from the injection means.

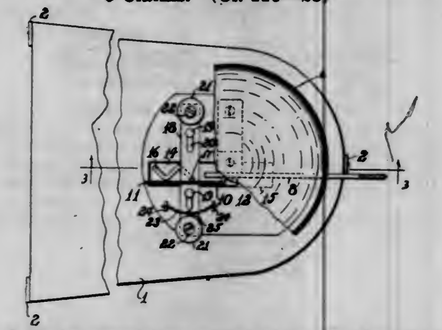
2,296,310
TELEPHONE SYSTEM
George C. Reier, Westfield, and Albert Tradup, West Englewood, N. J., assignors to Bell Telephone Laboratories, Incorporated New York, N. Y., a corporation of New York
Application June 4, 1941, Serial No. 396,510
11 Claims. (Cl. 179—27)



1. In a telephone system, a loud-speaker line, a hybrid coil included therein having a pair of network terminals, an impedance network, an automatic switch having a set of terminals corresponding to said loud-speaker line, a calling

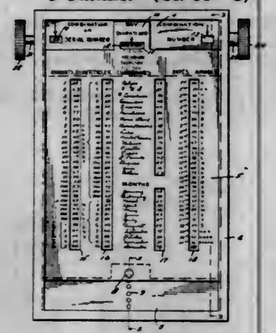
station, means at said calling station for causing said automatic switch to seize the terminal set corresponding to said loud-speaker line, means immediately responsive to the seizure of said terminal set by said switch for completing a talking connection between said calling station and said loud-speaker line, and means also responsive to the seizure of said terminal set by said switch for connecting said impedance network to the network terminals of said hybrid coil.

2,296,311
PARKING SIGNAL
Herman F. Schneider, Philadelphia, Pa.
Application August 14, 1939, Serial No. 290,133
5 Claims. (Cl. 116—28)



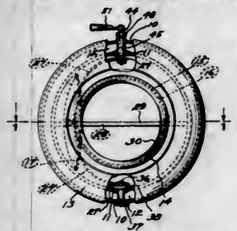
1. In an apparatus of the character described, a pair of transversely disposed slides, one of said slides having a cam-groove containing a slot and the other of said slides having a member engaging in said cam-groove and bodily rectilineally movable thereby, means including a fulcrumed lever entering said slot for moving the slide having said cam-groove, and a signal operable by the other of said slides.

2,296,312
VARIABLE AUTHENTICATOR
Edward J. Sheehy, New York, N. Y., and Edgar L. Totten, Hohokus, N. J.
Application May 12, 1941, Serial No. 393,140
3 Claims. (Cl. 35—3)



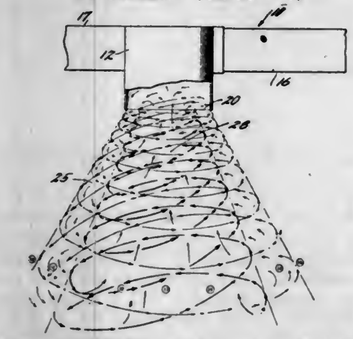
1. In a device of the class described, a casing having an opening in its top, a sliding cover on the top of the casing covering the opening, means for holding the cover in adjusted position, a shield at the top of the casing having data thereon and the upper part of the cover having a window therein for displaying this data, windows in the shield adjacent the sides of the casing, longitudinally extending windows in the cover and indicia on the cover opposite the windows, a pair of rolls in the lower part of the casing, a pair of drums in the top part of the casing, belts carrying indicia passing over the drums and rolls, means for rotating the drums to bring the indicia on the belts into view at the windows in the cover and in the windows in the top member and means whereby the drums can be rotated individually or together.

2,296,313
INTERNAL CLOSURE AND MEANS FOR OPERATING SAME
Curtis W. Shields, Yonkers, N. Y.
Application August 22, 1939, Serial No. 291,303
13 Claims. (Cl. 220—36)



5. The combination of a vessel adapted to withstand internal pressure and having a circular hand opening bordered by a stationary annular seat, an internal disc-like closure carrying an annular seat encircling a central horizontal axis of said closure and cooperative with said stationary seat, a crank-like member mounted to swing about a vertical axis within said vessel including a vertically elongated staff flanking the interior face of said closure and presenting fixed carrier shoulders near the central portion of said closure, a coupling for suspending said closure from said crank-like member constructed and arranged to engage slidably with said carrier shoulders so that said crank-like member supports the weight of said closure while permitting said member and closure to move relatively to each other in horizontal directions, and means connecting said coupling pivotally to said closure in a manner to restrict movement of said coupling relative to said closure to movement in planes perpendicular to the horizontal axis of the closure.

2,296,314
DIFFUSER
Franklin L. Slade, Washington, D. C.
Application August 3, 1940, Serial No. 350,953
13 Claims. (Cl. 98—40)



13. In a ventilation system, an outlet structure

for distributing air or other gaseous fluid into an enclosure with the substantial elimination of noise and draft, said structure comprising an unobstructed inlet conduit, a cylindrical member having an open end comprising the discharge orifice of the structure, said inlet conduit being disposed tangentially with respect to the perimeter of said cylindrical member, and communicating therewith, said cylindrical member being of a length equal to from about three-quarters to about one times its diameter, all whereby the fluid is caused to swirl within said cylindrical member and to flow from said discharge orifice in a spirally conical form for a predetermined distance, and a portion of said flow being automatically diverted inwardly toward the center of the cone and back toward said discharge orifice to again join the continued substantially conical flow of introduced fluid.

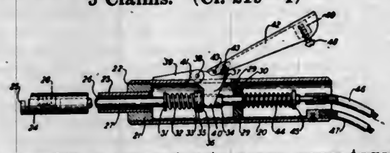
2,296,315
LUBRICATING COMPOSITION
William J. Sparks, Cranford, and Donald C. Field, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 18, 1938, Serial No. 235,630
9 Claims. (Cl. 252—52)

1. A lubricating oil containing a co-polymer of an eleostearin and an olefine.

2,296,316
ANTISHRINK TREATMENT FOR WOOD
Alfred J. Stamm, Madison, Wis., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application July 29, 1939, Serial No. 287,308
2 Claims. (Cl. 21—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

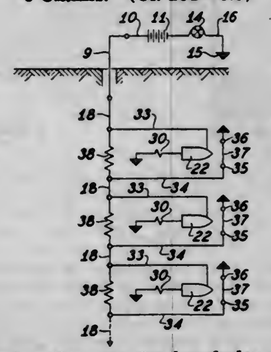
1. A method for permanently reducing the swelling and shrinking of wood, which comprises continuously passing dry wood beneath the surface of a fused salt consisting of a mixture of sodium and potassium acetates that is heated to substantially 550° F., at such a rate that 1-inch thick wood is immersed for substantially ½ hour, the while excluding air from the wood; and, thence removing any adhering salt and surface char present.

2,296,317
WELDING DEVICE
Arthur R. Swenson, Fanwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 2, 1940, Serial No. 359,357
5 Claims. (Cl. 219—4)



1. A welding apparatus to grasp, press together and weld parts located in a difficultly accessible site and comprising a relatively long slender tubular electrode having a transversely positioned hook at the outer extremity thereof, a rod-shaped electrode housed within and longitudinally slidable in the tubular electrode toward and from the hook to grip parts to be welded therebetween, means including a compression spring acting on the rod and a lever acting on the spring to urge the rod toward the hook to exert pressure on the parts, and adjustable means to adjustably limit the excursion of the lever and thereby the pressure on the parts.

2,296,318
ELECTRICALLY FIRED BOREHOLE GUN
Robert R. Thompson, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 17, 1939, Serial No. 262,367
6 Claims. (Cl. 164—0.5)



1. A perforating gun for boreholes comprising a gun body, bullets mounted for radial discharge from said gun body, a powder chamber arranged behind each bullet, a firing filament in each of said outer chambers, and a firing circuit including a source of power, a conductor connecting said source of power to each of said filaments, a resistance arranged in parallel with each of said filaments, there being a separate resistance for each filament, and a conductor independent of said filaments for connecting each of said resistances separately and individually to the ground.

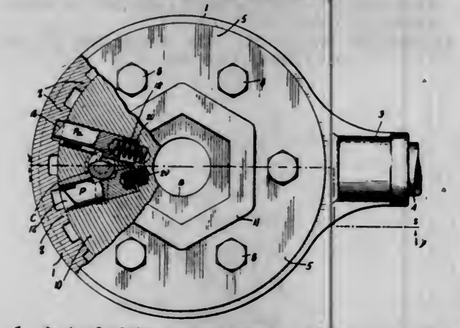
2,296,319
OSCILLATING DEVICE
Henry Von Kohorn, New York, N. Y.
Application April 18, 1941, Serial No. 389,118
10 Claims. (Cl. 242—43)



1. A device of the character described, comprising an oscillating arm, means mounted on said arm and movable therewith, said means comprising a second arm, at least part of said second arm being movable relative to the said oscillating arm, said second arm being so mounted on the oscillating arm that part of said second arm moves in a direction opposite to that of the

oscillating arm when said oscillating arm approaches the end of its stroke, and travels in the same direction as the oscillating arm the remainder of the stroke.

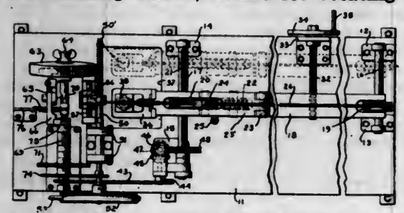
2,296,320
TOOL DRIVE
John E. Waldo, Bridgeport, Conn., assignor to Armstrong Manufacturing Co., Bridgeport, Conn., a corporation of Connecticut
Application June 17, 1941, Serial No. 398,383
6 Claims. (Cl. 10—124)



1. A tool drive comprising a driven-member which has a tool-mount, a drive-member, means assembling said driven-member and said drive-member, said drive-member being rotatable in unison with said driven-member around a common predetermined axis, said drive-member being also rotatable relative to said driven-member around said axis, said drive-member having a series of spaced teeth, said driven-member having two spaced pawls, each pawl being slidably supported by said driven-member, each pawl being slidable relative to said driven-member in a direction parallel to the axis of said pawl, each pawl being movable relative to said driven-member towards and away from said teeth, said pawls being rotatable about said common axis in unison with said driven-member, spring-means urging said pawls towards said teeth, control-means movably supported by said driven-member and located between said spaced pawls and adapted to hold either or neither of said pawls in inoperative position relative to said teeth, each pawl slipping relative to said teeth when said pawl is in operative position and the other pawl is in inoperative position and when the drive-member is turned relative to said driven member in a predetermined respective direction, each pawl locking with one of said teeth when it is in operative position and when said drive-member is turned relative to said driven-member in a direction which is opposed to said predetermined respective direction, said predetermined respective directions being opposed, said pawls being located to mesh between different pairs of said teeth and locking the driven-member to the drive-member when both pawls are in operative position.

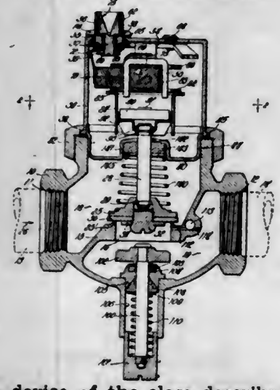
2,296,321
GLASS FORMING APPARATUS
Edmund H. Wellech, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application July 16, 1938, Serial No. 219,640
6 Claims. (Cl. 49—7)

1. In a glass drawing apparatus, a mandrel supported at one end only and bifurcated at the other end, a carriage arranged in cooperative relation with said mandrel for supporting a supply body of glass, means associated with the carriage for heating the supply body to plasticity at a location with respect to the mandrel enabling the convenient drawing of a filament from the supply body into the bifurcation of the mandrel, means for progressively feeding said body to said heating means, means for rotating the



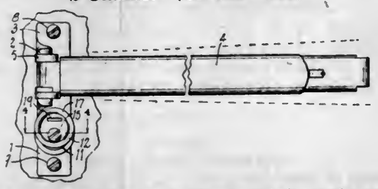
mandrel to draw and wind the filament thereon, manual means for shifting the carriage as the winding proceeds to such position that part of the filament is wound upon the mandrel and means to thereafter hold the filament in drawing relation with the mandrel and to force the filament originally threaded through the bifurcation and that subsequently drawn and wound upon the mandrel off the same.

2,296,322
THERMOELECTRIC SAFETY SHUTOFF DEVICE
Henry F. Alfery, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 9, 1939, Serial No. 303,601
3 Claims. (Cl. 137—144)



1. In a device of the class described, a valve body having an inlet and an outlet and means defining a passage between said inlet and said outlet, a pilot outlet leading from said passage, shutoff valve means operable to closed position anterior of said pilot outlet to shut off the flow through said first outlet and said pilot outlet, reset means cooperable with said shutoff valve means for actuating said shutoff valve means to open position, and a second valve actuated to closed position posterior of said pilot outlet by the resetting operation of said reset means to shut off the flow through said first outlet without shutting off the flow through the pilot outlet during the resetting operation, said second valve having movable fit in the passage between the inlet and outlet for permitting continued resetting movement after the flow through said first outlet is shut off by said second valve.

2,296,323
BRACKET FOR SWINGING RODS
Archie A. Allen, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application April 12, 1941, Serial No. 388,205
2 Claims. (Cl. 248—265)



2. A bracket for swinging curtain rods or the like comprising a base plate and means for fastening it to a wall, a bracket member having a base pivotally mounted for swinging movement across the face of said base plate, a slot in said base extending substantially radially from the pivot point of said base, a rotatable cam in said slot having an eccentrically disposed aperture, a machine screw having a head engaging said cam in clamping relationship with said base plate and extending through the aperture in said cam and in screw threaded engagement with said base plate.

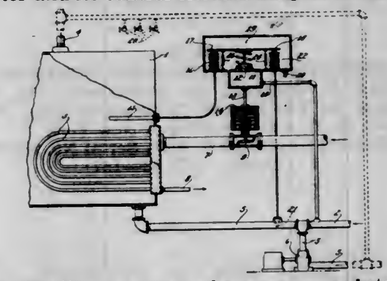
2,296,324
GASEOUS DISCHARGE DEVICE
Walter E. Bahls, Watertown, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Application July 29, 1941, Serial No. 404,573
5 Claims. (Cl. 250—27.5)



1. A gaseous discharge device comprising a cathode with an elongated emitting surface, an anode spaced from and parallel to said surface, a flattened ring in a plane parallel to the anode and with its elongated opening in registry with said emitting surface, an electrostatic shield comprising a metal plate between said ring and one of the remaining electrodes, said partition having an elongated opening in registry with the elongated opening of said ring.

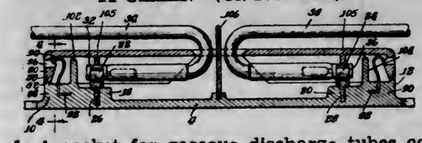
2,296,325
CONTROL FOR HOT WATER HEATERS
Alexander Bak, Northampton, Mass.
Application February 27, 1941, Serial No. 380,936
4 Claims. (Cl. 236—18)

1. An apparatus for furnishing hot water at any one or more of a number of faucets and in either small or large volumes depending on the use of such faucets over a given period of time, such apparatus comprising in combination, a storage tank, a pipe line connected to the tank providing for a circulation from and to the tank in a closed cycle, take-off hot water faucets in said line, water heating means in the lower part of the tank, a thermostat with its heat-sensitive element located to respond to the temperature of the water in the upper part of the tank and its control element adapted to turn the heat off when the water controlling said sensitive element is hot enough, a water circulating means adapted to pass the water in a closed cycle from the upper part of the tank through said pipe line and to the lower part of the tank, automatic means to replenish the apparatus with unheated water in the same volume that hot water is withdrawn at the faucets, said unheated water being let in to the closed cycle in the return portion of the pipe line to avoid the faucets and enter the storage tank at the bottom, and a second thermostat having its heat sensitive element located to be critically responsive to said admission of unheated water and its control element adapted to turn on



the heating means whenever a substantial amount of hot water is drawn from the faucets and cold water is admitted to the pipe line of the closed cycle, said second thermostat at all other times being inoperative, thus permitting the apparatus to operate under the sole control of said first thermostat when the hot water take-off faucets are not being used to a substantial extent and under the control of the second thermostat when the faucets are being so used.

2,296,326
SOCKET FOR HIGH VOLTAGE GASEOUS DISCHARGE TUBES
Robert E. Barclay, Chicago, Ill.
Application June 7, 1940, Serial No. 339,287
11 Claims. (Cl. 173—328)



1. A socket for gaseous discharge tubes comprising an elongated box member having relatively long bottom and side wall portions and relatively restricted end walls adapted to receive the elongated extremity of a discharge tube in coaxial relationship with the longitudinal axis of said box, the top wall of the box comprising a detachable cover adapted to interfit with the box member and to extend over the end of the tube, said cover having one longitudinal extremity cut away and providing an opening in the top of the box when the cover is in operative position whereby the cover partially closes the open wall of the box member and provides an opening for a laterally extending portion of the discharge tube and permitting passage outwardly of the box, and a resilient electrical terminal clip mounted in the box member below said cover to receive and resiliently clamp the tube terminal.

2,296,327
CONTAINER
Thomas Barish, Jamestown, N. Y.
Application October 23, 1940, Serial No. 362,353
10 Claims. (Cl. 62—108.5)

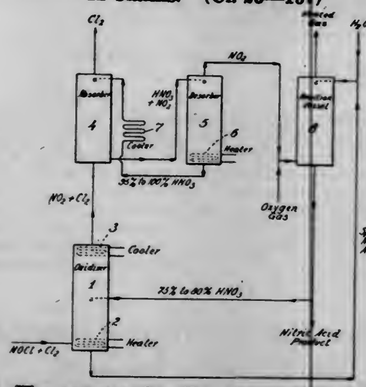
1. A container from which may be easily removed a substance which has been frozen therein, said container being formed at least in part of two materials laminated together, said ma-

terials having different coefficients of expansion and having a position relative to each other such



that as the temperature of said container is lowered the volume thereof is increased.

2,296,328
ABSORPTION OF NITROGEN PEROXIDE
Herman A. Beekhuis, Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application November 4, 1938, Serial No. 238,787
11 Claims. (Cl. 23—157)



1. The process for the absorption and separation of nitrogen peroxide from chlorine which comprises continuously circulating in a cyclic system nitric acid of a concentration of 90% or higher and in said system contacting said acid with a gaseous mixture of chlorine and nitrogen peroxide at a temperature below 40° C. to absorb the nitrogen peroxide, removing the resulting solution of nitrogen peroxide in nitric acid from contact with said gaseous mixture of chlorine and nitrogen peroxide, heating the thus separated solution to evolve nitrogen peroxide therefrom, cooling to a temperature below 40° C. the nitric acid from which nitrogen peroxide has been evolved, returning the cooled nitric acid into contact with said gaseous mixture of chlorine and nitrogen peroxide, maintaining said nitric acid at the point at which it is introduced into contact with said gaseous mixture and throughout its period of contact with the gaseous mixture at a concentration of 90% or higher, and thereby absorbing said nitrogen peroxide in said nitric acid without substantial reaction of the nitrogen peroxide and chlorine to form nitrosyl chloride.

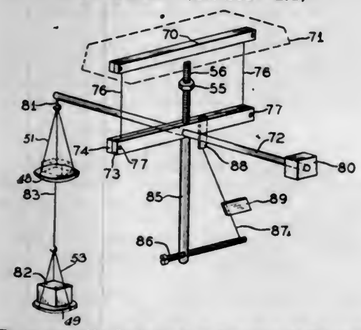
2,296,329
TREATMENT OF YARN
Angus Smith Bell and Joseph Rowland Wylde, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application November 13, 1940, Serial No. 365,434
In Great Britain December 20, 1939
12 Claims. (Cl. 28—59)

1. Process for the manufacture of staple fibre yarns of an elastic and voluminous character, said process comprising wetting a yarn consisting of a mixture of wool fibres and artificial staple fibres having a cellulosic basis, stretching the wet yarn by about 15–25%, and drying the



stretched yarn under conditions that permit shrinkage of the yarn to within 1 to 5% in excess of its original length and release of the strain set up in the stretching operation.

2,296,330
GRAVITY BALANCE
Ludwig W. Blau, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Original application August 29, 1935, Serial No. 38,350. Divided and this application February 3, 1938, Serial No. 188,437
10 Claims. (Cl. 265—1.4)

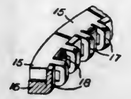


1. In a gravity balance, a horizontally disposed bar, a beam having arms protruding horizontally from an intermediate portion of the beam, filaments connected to the arms from opposite ends of the bar to suspend the beam at right angles to the bar, a weight supported directly by one end of the beam, a second weight, means suspending the second weight from the opposite end of the beam, a bracket extending vertically from an intermediate portion of the beam and having a laterally extending portion, a filament extending from the portion to one of the arms, and a horizontal pendulum in the form of a mirror carried by the filament.

2,296,331
SOFTENER FOR HALOGEN-CONTAINING HIGH-MOLECULAR WEIGHT, ORGANIC COMPOUNDS
Max Bögemann, Cologne-Mulheim, and Johannes Nelles, Leverkusen-Schlebusch, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 18, 1939, Serial No. 268,578. In Germany May 3, 1938
4 Claims. (Cl. 260—36)

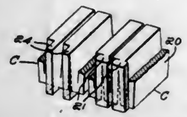
1. The composition of matter comprising a halogen containing high molecular organic compound selected from the group consisting of polyvinyl chloride, mixed polymerizates of vinyl chloride and other polymerizable compounds, and chlorinated rubber, the high molecular halogen containing compound having incorporated therewith a tertiary amine containing at least one —CH_2.COO.alkyl radical attached to the tertiary nitrogen atom.

2,296,332
CLOSED PISTON RING
Thomas A. Bowers, Mattapoisett, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts
Application August 7, 1941, Serial No. 405,807
15 Claims. (Cl. 309—44)



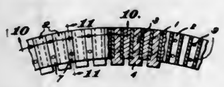
1. A piston ring comprising a plurality of layers of piston ring material, each of said layers being separated by overlapping openings which form circumferentially movable segments and connecting portions for the segments, sealing members mounted between the connecting portions and being integral with the said layers, said sealing members adapted to overlie openings between the circumferentially movable segments at the inside of the ring.

2,296,333
SEALING RING MEANS
Thomas A. Bowers, Mattapoisett, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts
Application August 16, 1941, Serial No. 407,124
12 Claims. (Cl. 309—45)



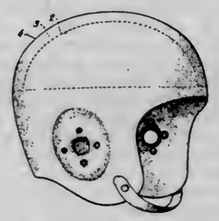
7. A piston ring comprising a plurality of walls of piston ring material, radially extending connecting portions for the walls at opposite sides of the ring, said walls being spaced apart to present upper and lower annular rows of interstices which open at the inner and outer peripheries of the ring, said connecting portions having projecting ends thereof bent over into overlapping relation with respect to the edges of the walls at the inner periphery of the ring, said ends adapted to close the said lower row of interstices.

2,296,334
RESILIENT PISTON RING
Thomas A. Bowers, Mattapoisett, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts
Application January 8, 1942, Serial No. 425,981
7 Claims. (Cl. 309—44)



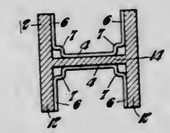
2. As an article of manufacture a piston ring comprising a plurality of circumferentially spaced-apart walls, connecting portions for the walls, sealing elements mounted in the spaces between the walls and said sealing elements presenting shouldered portions adapted to extend across and overlie adjacent walls throughout their axial height for the purpose of preventing passage of fluid bodies through the ring in a direction radially thereof.

2,296,335
ATHLETIC PROTECTOR
David R. Brady, Highland Park, Mich., assignor to David R. Brady and J. Windsor Davis, as joint trustees for Brady Research Company, Detroit, Mich., a joint-venture company
Application November 29, 1940, Serial No. 367,807
4 Claims. (Cl. 2—3)



4. An athletic protector comprising a shell-like main body portion of comparatively stiff main body portion, said helmet having the crown portion inset with respect to the remainder of the contour thereof, a layer of sponge rubber secured to the crown portion externally thereof, a casing of tough, durable rubber bonded to the exposed surface of said sponge rubber, and a padding within said body, said padding comprising a toroid of sponge rubber encased and sealed within a layer of air impervious rubber.

2,296,336
SPLICE FOR STRUCTURAL SHAPES
Edward G. Crozier, deceased, late of Munhall, Pa., by Rhea G. Crozier, Munhall, Pa., and Monongahela Trust Company, Homestead, Pa., executors, and Raymond P. Pennoyer, Pittsburgh, Pa.; said executors of Edward G. Crozier, deceased, assignors to Rhea G. Crozier, Marietta, Ohio
Application July 18, 1939, Serial No. 285,222
1 Claim. (Cl. 61—53)

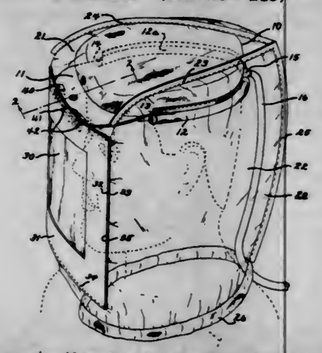


A splice for connecting the abutting ends of superimposed rolled H or I-shaped bearing pile sections, comprising a pair of continuous metal splice members disposed vertically along the sections, each of the splice members having a pair of flanges extending vertically along the inner faces of the flanges of the sections and having connecting portions between the splice flanges extending vertically along the webs of the sections, each of said splice members having corrugations therein extending vertically thereof at the junctures of their flanges and connecting portions permitting selective transverse displacement of said flanges and connecting portions throughout the vertical length thereof into intimate contact with the said faces of the section flanges and the webs thereof upon the application of pressure to said corrugations, said members extending vertically across the juncture of the sections and being secured thereto whereby to provide rigid aligning and load-bearing connections with and between the sections.

2,296,337
COATING COMPOSITION
John Seneca Cummings, Brooklyn, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application November 8, 1938, Serial No. 239,508
5 Claims. (Cl. 106—195)

1. A lacquer comprising two solvent-soluble film-forming cellulose derivatives of the class consisting of cellulose esters and cellulose ethers dissolved in a solvent mixture capable of dissolving both cellulose derivatives, and consisting of rapidly evaporating solvent for both cellulose derivatives and such substantial quantities of additional solvent which dissolves only one of them, and evaporates at a substantially lower rate than the rapidly evaporating solvent that the solvent is unbalanced as to one of the cellulose derivatives and balanced as to the other, the ingredients being so proportioned that on drying, the cellulose derivative as to which the solvent is unbalanced and which comprises at least 15% of the film, precipitates during the early stages of drying as discrete particles, and the second cellulose derivative as to which the solvent is balanced, and which comprises at least 25% of the film, forms a glossy continuous film in which the precipitate is embedded to give opacity to the film.

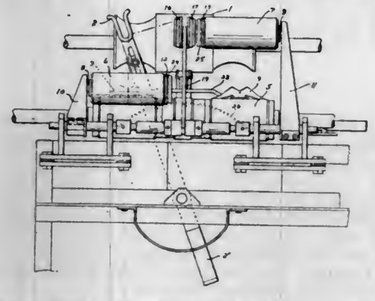
2,296,338
SAFETY HELMET
Morrill Dakin, Concord, N. H., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 29, 1939, Serial No. 287,323
5 Claims. (Cl. 128—145)



1. A protective head covering device comprising a flexible cap provided with a visor, a flexible tube secured to the periphery of the bottom edge of the body portion of said cap, said tube having an end terminating at each side of the visor of said cap, a flexible supply tube communicating with said tube on said cap and adapted to extend downwardly from said cap and be supported by said cap, and a transparent hood adapted to envelop said flexible cap and be supported thereby.

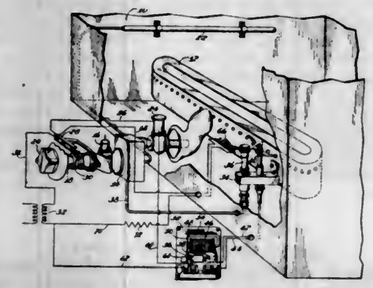
2,296,339
AUTOMATIC DOFFING APPARATUS
Frederick Arthur Daniels, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 9, 1941, Serial No. 392,804
8 Claims. (Cl. 242—19)

1. A device for continuously winding textile filaments, yarns, and threads comprising two freely rotatable yarn supports, a positively-driven drive roll, means to position said yarn supports in horizontal alignment against the cylindrical surface of said rolls, two horizontally aligned and freely rotatable doffing wheels positioned between the adjacent ends of said yarn



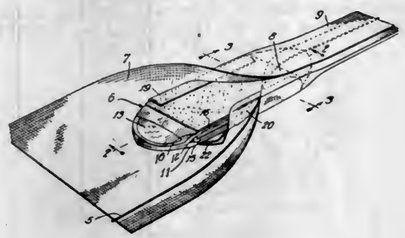
supports, said yarn supports being provided at their adjacent ends with a band comprised of a plurality of radially projecting pins adapted to engage the yarn, said doffing wheels each being provided with a band of pins substantially identical with those of the yarn supports, and means positioned between the doffing wheels to sever yarn therebetween.

2,296,340
SAFETY CONTROL APPARATUS FOR GASEOUS FUEL BURNERS
Samuel G. Eskin, Pittsburgh, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application February 5, 1941, Serial No. 377,433
5 Claims. (Cl. 158—117.1)



1. A safety control apparatus for gaseous fuel burners comprising in combination, main and pilot burners, means for controlling the supply of fuel thereto, a normally closed solenoid valve preventing the supply of fuel from passing to the main burner from said controlling means, a main control switch in circuit with said solenoid valve and operable by said controlling means to open and closed positions, electric ignition means for said pilot burner energized by operation of said controlling means to said closed switch position, a thermocouple in circuit with said solenoid valve and operable by the pilot burner when ignited by said ignition means, and a normally open switch in circuit with said solenoid valve and adapted to be closed by operation of said thermocouple to complete the circuit of said solenoid valve and cause actuation of said solenoid valve to open position.

2,296,341
SANITARY NAPKIN
Charles A. Fourness, Appleton, Wis., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application February 8, 1939, Serial No. 255,279
6 Claims. (Cl. 128—290)

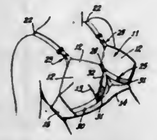


1. In a sanitary napkin, an elongated, absorbent pad comprising a pair of outer sections and an intermediate section, the intermediate section being shorter than said outer sections, the outer sections having end portions projecting endwise, in mutually overlapping relation, beyond the ends of the intermediate section, said intermediate section comprising a transversely folded strip of absorbent pad material, said folded intermediate section serving to impart to the pad, increased resistance to lengthwise folding and transverse compacting whereby there is imparted to the pad an increased tendency, when being worn, to maintain sealing contact with the legs of the wearer.

2,296,342
STABLE BREAKING-IN OIL
Peter J. Gaylor, Union, and Emile L. Baldeschwieler, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 30, 1940, Serial No. 367,952
11 Claims. (Cl. 252—51)

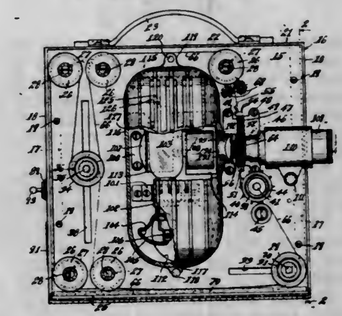
1. An oil composition for use in connection with metals corroded by oil, comprising a heavy mineral oil, a small quantity of an amine soluble in said oil and from about 0.01% to about 5% of an oil-soluble ester of an acid which forms oil-insoluble salts with the metal in contact therewith.

2,296,343
BRASSIÈRE
Albert A. Glasser, Los Angeles, Calif.
Application December 16, 1940, Serial No. 370,263
6 Claims. (Cl. 2—42)



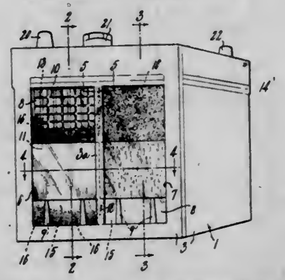
1. In a brassière, breast pockets, band means extending from said pockets and adapted to be secured around a wearer, a breast pocket adjustment strap attached at each end to said brassière below the center of the breast pockets and means for detachably securing said strap at its center to said brassière at various heights intermediate said pockets along the medial line of the brassière.

2,296,344
PICTURE PROJECTING MACHINE
Joseph Guercio, Chicago, Ill.
Application December 5, 1940, Serial No. 368,569
9 Claims. (Cl. 88—28)



1. The combination with a picture projector having a light source, lenses, and a film gate, of means to advance the film through said gate, said means including a driving sprocket and a toothed star wheel therefor, a crank having an arm adapted for intermittent engagement with said star wheel to advance the film one picture panel for each tooth of the star wheel for still exposure each interval between each engagement, and a motor drive for said crank, said teeth having substantially radial abutment faces and substantially circumferential clearance faces for the crank, said star wheel having spring brake means.

2,296,345
SALES DISPLAY DEVICE
Albert N. Guy, Manhasset, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application March 28, 1941, Serial No. 385,651
3 Claims. (Cl. 35—51)



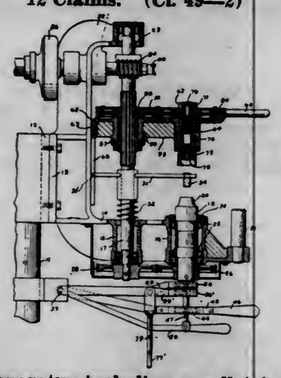
1. A display device comprising in combination a battery grid member having spaces therein for receiving paste, a separator plate held against each side of the grid, one of the separator plates having a transparent opening therein, a container for said plates and grid having a receiving space below the plates and grid, said container having a transparent panel adjacent the separator plate which has the transparent opening, the panel extending over said opening and over said receiving space and loose free flowing granular material within the container.

2,296,346
ELECTRICAL TERMINAL
John F. Hearn, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 3, 1941, Serial No. 400,906
7 Claims. (Cl. 173—324)



7. In a terminal connection for wires comprising an apertured support and a tubular member of conducting material mounted on said support, a peripheral enlargement on said tubular member engaging one face of said support, a spun-over end portion of said tubular member engaging the other face of said support, an open-seamed tubular portion extending outwardly of said support, a trough-shaped end portion extending from said open-seamed tubular portion, a wire extending through said open-seamed tubular portion and in looped formation through the seam therein, a conductor extending into said trough-shaped end portion, and said open-seamed tubular portion and said trough-shaped end portion being compressed into a substantially flat condition to entrap and hold said wire and said conductor in electrical connection with said tubular member.

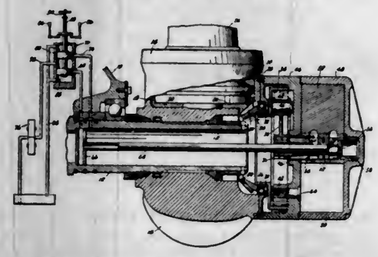
2,296,347
GLASS WORKING APPARATUS
Ray A. Hinkley and Edmund H. Wellech, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Application February 28, 1938, Serial No. 193,149
12 Claims. (Cl. 49—2)



1. An apparatus including a collet into which the respective leading-in wires of a tube press assembly may be arranged in predetermined relation and a preformed apertured press threaded over such wires, means for heating the press to plasticity, means for actuating the collet to seize and axially draw such wires and surrounding plastic glass of the press downward with respect to the major mass of the press and means for mechanically forcing the glass into intimate contact with such wires and to a final desired form.

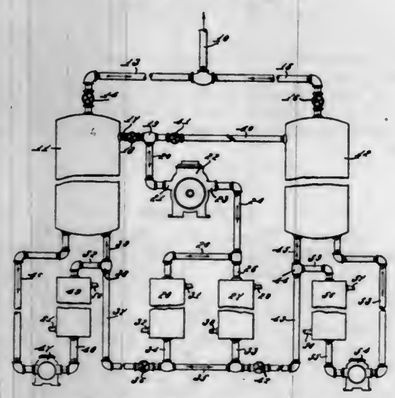
5. In a sealing apparatus, a first glass pressing unit holding a plurality of metallic lamp elements and a glass body in predetermined relation, a second glass pressing unit, arranged coaxial with said first unit holding a second glass body, means for heating the glass body held by said first unit to a plastic condition, and means for moving said second unit relative to said first unit to effect fusion together of the glass bodies and to press glass of one of said bodies between said units into intimate contact with the metallic elements.

2,296,348
PROPELLER PITCH CONTROL
Walter Scott Hoover, Montreal, Quebec, Canada
Application May 31, 1939, Serial No. 276,571
12 Claims. (Cl. 170—163)



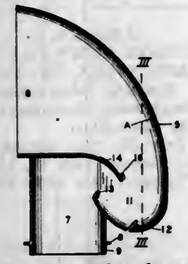
1. In combination with a controllable pitch propeller having movably mounted blades, means for moving said blades to change their pitch angle, said means comprising a motor, and a toothed gear train having a variable gear ratio continuously drivingly connected and mechanism continuously, positively and drivingly connecting said gear train with said motor and said blades, said mechanism forming, with said gear train, a positive and direct drive between said motor and said blades.

2,296,349
METHOD OF AND APPARATUS FOR SUPPLYING GAS
Franklin B. Hunt, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application May 2, 1938, Serial No. 205,657
17 Claims. (Cl. 62—91.5)



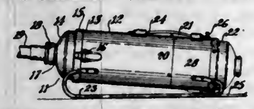
1. The method of supplying gas to a process at stated rates and pressures which comprises the steps of charging solidified material into a receiver, permitting a phase change which renders a portion of such material fluid, circulating such fluid through a heating chamber and back to the receiver, whereby the material remaining in the receiver is warmed and is caused to liquefy, subsequently circulating the liquid through a heating chamber to vaporize the same at a controlled rate, returning the vapor to said receiver, and permitting the gas so formed to flow from said receiver to such process.

2,296,350
WIND FUNNEL
George Johnson, San Francisco, Calif.
Application December 6, 1940, Serial No. 368,824
1 Claim. (Cl. 98—64)



In the wind funnel of the character described, a body formed so as to provide an open bell-shaped mouth and having a throat vertically disposed beneath said mouth, a separating chamber depending from said mouth and extending inwardly of said throat and connected thereto through an opening formed in the wall of said throat, said wall being common to both said throat and said separating chamber, a curved baffle formed between said throat and said chamber, said mouth having a floor portion terminating in a curved gutter draining into said separating chamber, and a slot formed in said separating chamber and angularly disposed with relation to the surface of said chamber and arranged crosswise of the path of movement of air through said chamber, the forward edge of said slot being directed toward said throat.

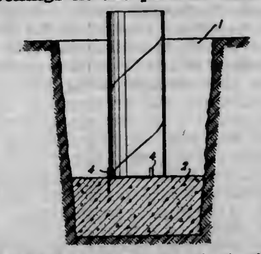
2,296,351
FAN CONSTRUCTION FOR SUCTION CLEANERS AND THE LIKE
Elmer J. Kasper, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio
Application March 13, 1939, Serial No. 261,476
4 Claims. (Cl. 230—132)



1. Controlled air flow fan construction for suction cleaners and the like, including walls forming a duct, a motor mounted within the duct and having a shaft, a fan mounted on the motor shaft within the duct and adjacent to said motor, the fan having an intake side and a discharge side, and baffle means at the discharge side of the fan, the baffle means including a wall between the motor and the fan extending transversely across the duct and having a plurality of circumferentially spaced transverse deflecting portions forming a plurality of circumferentially spaced air passages adjacent the duct.

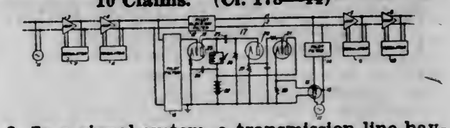
2,296,352
CONCRETE FORM
Theodore F. Keller, Houston, Tex.
Application May 23, 1941, Serial No. 394,750
9 Claims. (Cl. 25—118)

1. A concrete pier form comprising a tube of paper, and anchor means on one end of the tube to anchor the latter in position on the surface of an unset concrete footing, said anchor means having openings in the portion thereof adapted



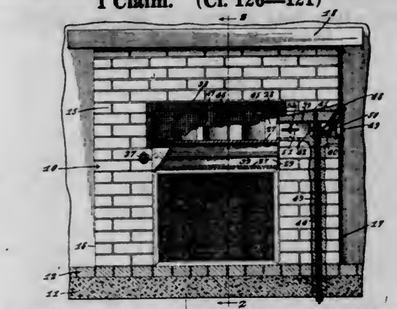
to be embedded in the concrete to increase the anchoring effect of the means in the concrete.

2,296,353
SIGNAL SYSTEM
Boris J. Kinsburg, Riverdale, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1940, Serial No. 361,879
10 Claims. (Cl. 178—44)



3. In a signal system, a transmission line having a plurality of dynamic regulators thereon controlled according to the strength of pilot current, said dynamic regulators attaining a state of stable operation within a limited period after a change occurs in the strength of said pilot current, blocking means on said line for the pilot current frequency dividing the transmission line, means for reintroducing pilot current in the line beyond said blocking means, and means for controlling said reintroduced pilot current according to the average of the fluctuations in the pilot current before said blocking means averaged over a period approximately equal to that required by said regulators to attain a state of stable operation after the occurrence of a change in the strength of the controlling pilot current.

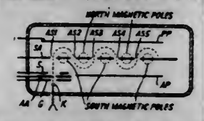
2,296,354
FIREPLACE
Edward H. Kraus, Oceanport, N. J.
Application January 28, 1941, Serial No. 376,369
1 Claim. (Cl. 126—121)



In a fireplace construction including a fire box and a flue, a housing located at the top of the fire box and having a transverse partition for dividing the housing into an upper compartment and a lower compartment, said partition curving upwardly to provide a rear wall of the upper compartment adjacent said flue, said lower compartment communicating with said flue at its rearward

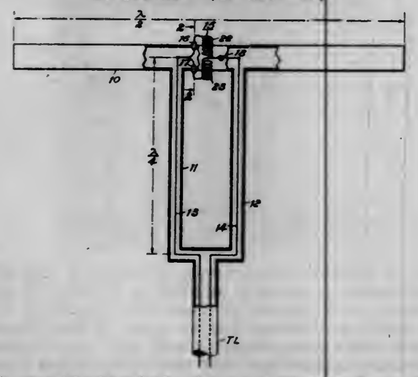
end and having an opening at its forward end communicating with said fire box, said upper compartment having an opening in communication with a room, a damper located in the lower compartment rearwardly of said opening for controlling the passage of burned products of combustion into said flue, said damper being located underneath said partition and arranged to deflect the burned products of combustion uniformly thereagainst, said fire box structure being provided with a passage placing said upper compartment in communication with room atmosphere, means for forcibly flowing room air through said passage and through said upper compartment and into the room, a water pan mounted in said upper compartment, and baffle members inside the upper compartment for directing air currents about said water pan.

2,296,355
HIGH FREQUENCY OSCILLATOR TUBE
Nyman Levin, Finchley, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application May 20, 1939, Serial No. 274,721
In Great Britain May 23, 1938
2 Claims. (Cl. 250—27.5)



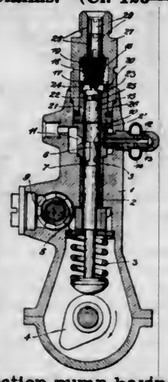
1. An electron discharge device having a cathode for supplying electrons and means adjacent the cathode for focusing the electrons into a well defined beam, a plane electrode spaced from said cathode and having a plurality of apertures therein, said electrode being positioned with one of said apertures in alignment with said electron beam, and an electrode positioned in spaced relationship on each side of said apertured electrode, and means for inducing magnetic fields through said apertures and parallel to the plane apertured electrode.

2,296,356
ANTENNA AND COUPLING MEANS THEREFOR
Nils E. Lindenblad, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 19, 1941, Serial No. 403,123
16 Claims. (Cl. 250—33)



1. A wide band short wave antenna for radiating horizontally polarized energy substantially uniformly in all directions in a horizontal plane comprising a horizontal ring radiator having a diameter substantially equal to .6 of the operating wavelength and means for simultaneously energizing said radiator at such a number of equally spaced points around said ring that substantially uniform current distribution is obtained around said ring.

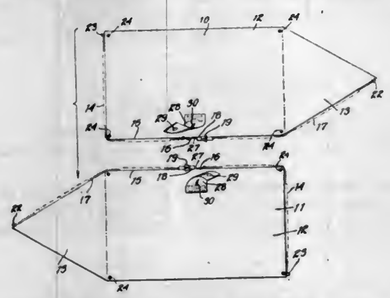
2,296,357
FUEL INJECTION PUMP FOR INTERNAL COMBUSTION ENGINES
Heinz Links, Samuel Meiswinkel, and Karl Schwaiger, Gaggenau, Germany; vested in the Alien Property Custodian
Application July 10, 1939, Serial No. 283,610
In Germany July 12, 1938
28 Claims. (Cl. 123—139)



1. A fuel injection pump having a pump housing provided with a cylinder space including a pump chamber, and a pump piston reciprocal within said cylinder space, a delivery conduit, a slidable control member intermediate said pump chamber and said delivery conduit, having a passage adapted to connect the pump chamber with the delivery conduit and which is opened or closed dependent upon the position of said control member, said control member being subjected to and movable in accordance with the pressure produced in said pump chamber in such a manner that it substantially follows the reciprocal movement of said piston to open and close said passage, and means for varying the initial setting of said control member relatively to said piston to vary the time of opening and closing said passage relatively to the position of said piston.

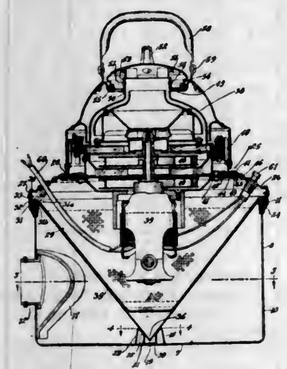
2,296,358
TENT
Davis Marinsky and Louis H. Morin, Bronx, N. Y.
Application February 8, 1941, Serial No. 377,946
17 Claims. (Cl. 135—1)

15. A tent of the character described comprising two similar parts, each having a rectangular portion and a triangular extension at one end, separable slide fasteners for joining said parts, each part having two independent stringers, one stringer extending from the center of one edge of the rectangular portion to one end of said edge and then along an adjoining right-angular edge thereof, the other stringer extending from the center of the first named edge onto one of the edges of said triangular extension, adjacent ends of said two stringers being flexibly coupled, one end being provided with a male coupling and the other with a female coupling, a slider mounted on the stringer having the female coupling end, said parts of the tent being secured together by engaging the male coupling end of the stringer of one part with the female coupling end of the



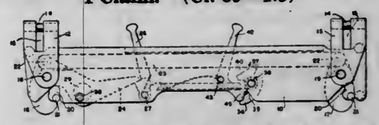
stringer of the opposed part, and the interengaging straps on each part detachably concealing the adjacent coupling ends of the stringers when said parts are secured together thereby.

2,296,359
SUCTION CLEANER MOTOR MOUNTING AND FILTER CONSTRUCTION
Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio
Application May 15, 1939, Serial No. 273,637
5 Claims. (Cl. 183—37)



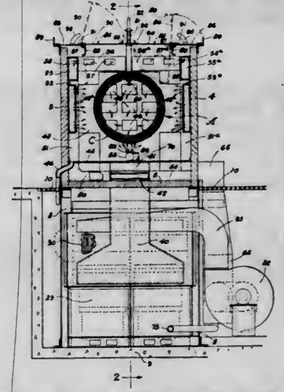
1. In suction cleaner construction, walls forming an upwardly opening dust receptacle terminating in an upper annular edge, a soft rubber ring engaged over and around said receptacle edge, a truncated conical paper filter member within said receptacle having fluted conical walls terminating in an upper fluted edge lapping at least a portion of said ring, cover means for said receptacle including walls forming a foraminous conical member downwardly outwardly abutting said ring and supporting said filter against collapse, and detachable clamp means connecting the cover means to the receptacle, said shoulder and ring squashing said upper fluted filter edge and a portion of the filter member subjacent its upper edge being squashed and clamped by a conical portion of said filter supporting member downwardly outwardly against said ring in airtight relation upon connecting the cover means to the receptacle by the clamp means.

2,296,360
BOMB RELEASING SHACKLE
Roscoe I. Markey, East Orange, N. J., assignor to Pollak Manufacturing Company, Arlington, N. J., a corporation of New Jersey
Application July 23, 1941, Serial No. 403,607
1 Claim. (Cl. 89—1.5)



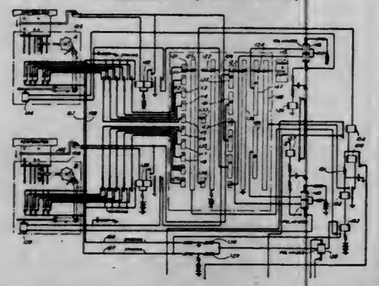
A bomb releasing shackle having in combination, a supporting frame comprising two spaced plates, bomb carrying hooks pivoted in said frame between said plates at opposite ends thereof, a tie member connecting said hooks so that they will operate simultaneously, a toe on one of said hooks, said toe extending inwardly toward the other of said hooks, an operating lever pivoted in said supporting frame between said hooks, a notch on said operating lever, the end of said toe in one position of the operating lever engaging said notch so as to prevent movement of said tie member and its hooks and in another position of said operating lever the end of the toe is released from said notch and the bomb is dropped, means for limiting the movement of said toe and its hook in either direction, and means for normally urging said operating lever to its locked position.

2,296,361
ROD BAKING OVEN OR THE LIKE
Carl F. Mayer, Lakewood, Ohio
Application May 15, 1939, Serial No. 273,719
5 Claims. (Cl. 263—10)



1. In a top loading and unloading oven wherewith means is associated for lowering a load into and lifting it from the oven, closure means for the top of the oven that opens as the load passes in both a downward and an upward direction, said closure means comprising a shutter normally reposing in a substantially horizontal position adjacent the top of the oven, a member supported for oscillation and with which the shutter has pivotal connection so that the shutter may swing relative to the member through an arc above said horizontal position, the shutter and member, by reason of the nature of the connection between them, moving in unison when the shutter is swung through an arc below the aforesaid horizontal position, and means biasing the member to the position it occupies when the shutter is substantially horizontal.

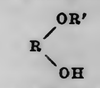
2,296,362
SIGNALING SYSTEM
Alfred E. Melhose, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1940, Serial No. 354,987
9 Claims. (Cl. 179—4)



1. In a communication system, a plurality of transmission channels comprising a carrier and means for utilizing portions of the side-bands thereof for transmission purposes, one channel including a limited band of frequencies on one side of and close to the carrier and another channel including a different limited band of frequencies on the other side of and relatively distant from the carrier, control and signaling means for each said channel comprising sources of alternating current, one of a frequency outside the said limited band and another of a frequency within the said limited band and controlling circuit devices including filtering networks for said control, and signaling currents and switching means for alternatively rendering the said control and signaling means for either said channel effective.

2,296,363
DETERIORATION RETARDER
William E. Messer, Cheshire, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 8, 1938, Serial No. 228,935
16 Claims. (Cl. 260—860)

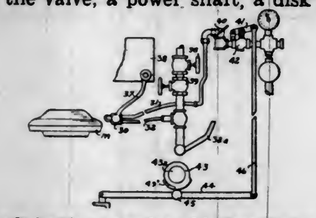
8. A rubber composition containing an alkenyl substituted phenol resulting from the reaction between 1 molecular proportion of a phenol of the formula



where R is an aromatic nucleus, and R' is a radical selected from the group consisting of hydrogen and alkyl, and at least one molecular proportion of acetone.

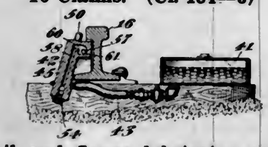
2,296,364
APPARATUS FOR THE MANUFACTURE OF POTTERY WARE
William J. Miller, Swissvale, Pa.
Application June 11, 1938, Serial No. 213,239
7 Claims. (Cl. 25—22)

1. In apparatus for manufacturing pottery articles, the combination with a mold adapted to receive plastic material and a fabricating means of mechanism for applying lubricant to the said material incident to fabrication comprising, means for applying water in jets to the surface of ware undergoing jiggering, a rotary valve controlling the timing of the jets, a star wheel for rotating the valve, a power shaft, a disk on the



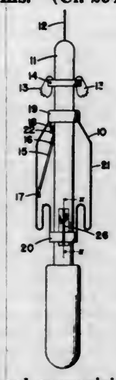
power shaft having a series of holes pitched in an arc adjacent the path of the star wheel teeth, and drive pins selectively attachable in the holes of the disc.

2,296,365
LUBRICATING DEVICE
George Loop Moore and James Robert Steele, Owego, N. Y.
Application October 31, 1941, Serial No. 417,248
16 Claims. (Cl. 184—3)



1. A rail and flange lubricator comprising a lubricant distributor having a lubricant chamber therein, a plunger operatively mounted within said distributor and having its lower end extending into said chamber and having its upper end projecting outwardly from said distributor and operable, when the distributor is applied to a rail, by the flange of a car wheel passing over said rail, a passage leading from the lubricant chamber to the outside of said distributor to provide means for the discharge of lubricant from said chamber onto the car wheels and the rail, and pneumatic control means in communication with said passage to control the discharge of lubricant from said distributor.

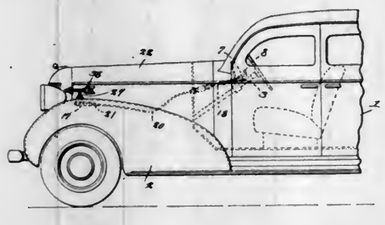
2,296,366
BOREHOLE TOOL
Whitman D. Mounce, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 29, 1941, Serial No. 424,801
6 Claims. (Cl. 294—65.5)



4. A bore hole tool comprising, in combination,

a body, means secured to said body adapted to restrain the movement thereof, means arranged to activate said first mentioned means, and magnetic means mounted on said body and arranged to control the activation of said first means in response to the magnetic permeability of bodies adjacent the magnetic means.

2,296,367
VEHICLE SIGNAL
George D. Nelson, Detroit, Mich.
Application December 20, 1939, Serial No. 310,249
1 Claim. (Cl. 74—501)



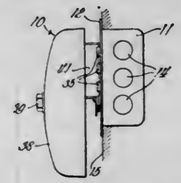
Signal actuating mechanism comprising casings, means for mounting the casings below the fenders of a vehicle, a shaft mounted to rotate in each casing, a cross head housed within each casing and carried by the corresponding casing shaft, a housing, means for mounting the housing on a vehicle, a shaft mounted to rotate in the housing, a cross head carried by the housing-shaft and located within the housing, a guide tube having its rear end in communication with the housing, the tube having forward bifurcations communicating, respectively, with the casings, four flexible elements mounted to slide in the tube, to the rear of the branches, two of the flexible elements being mounted to slide in each of the bifurcations of the tube and being connected in pairs to the cross heads of the casing-shafts, all of the flexible elements being connected at their rear ends, in other pairs, to the cross head of the housing-shaft, and mechanism under the control of an operator for actuating the housing shaft.

2,296,368
PROCESS OF SEPARATING ORES
Anderson W. Ralston and Ervin W. Segebrecht, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
Application November 24, 1939, Serial No. 306,024
12 Claims. (Cl. 209—207)



1. The process of separating silica from ores containing the same which includes providing a film of a substantially water-insoluble primary aliphatic amine on a layer of water beneath which the ore to be separated is disposed, passing the ore to and through the film, and then submerging the ore beneath the water surface to reform the film on the water surface whereby silica in the ore is preferentially retained in the reformed film.

2,296,369
MOUNTING FOR ELECTRIC BELLS AND THE LIKE
Louis E. Richmond, Shelby, Ohio, assignor to The Autocall Company, Shelby, Ohio, a corporation of Ohio
Application December 1, 1939, Serial No. 307,040
3 Claims. (Cl. 173—338)



1. In a construction of the character described comprising, in combination, a mounting plate having means for attaching it to a wall or the like, said plate having a substantially rectangular opening therein, two rows of hook-shaped lugs punched forwardly from said plate to form laterally spaced parallel guideways extending upwardly of said plate along the side margins of said substantially rectangular opening, an insulating bridge extending across the lower portion of said opening, a pair of relatively stationary contacts mounted on said insulating bridge, an electrical unit adapted for readily removable mounting on said mounting plate and comprising electrically energized means, said electrical unit comprising a pair of substantially parallel flanges adapted for sliding engagement within the parallel guideways defined by said lugs, and a pair of movable contacts carried by said electrical unit and adapted to engage with said stationary contacts for completing electrical circuit connections with said electrically energized means.

2,296,370
ALKYLATION PROCESS
Ober C. Slotterbeck, Clark Township, Union County, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 15, 1939, Serial No. 309,405
15 Claims. (Cl. 196—10)

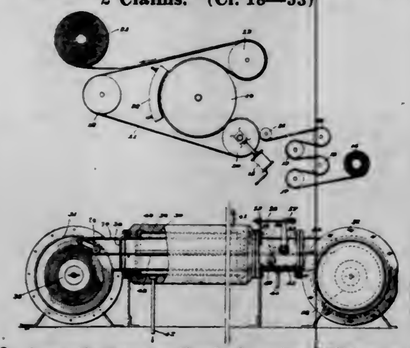
5. A process for the production of normally liquid saturated hydrocarbons which comprises reacting at least one paraffinic hydrocarbon containing at least one tertiary carbon atom per molecule with at least one monoolefinic hydrocarbon under alkylation conditions in the presence of a catalyst composition prepared by saturating an aqueous hydrogen fluoride solution with boron fluoride at about room temperature.

2,296,371
PARAFFIN REACTION
Ober C. Slotterbeck, Clark Township, Union County, and Raphael Rosen, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 15, 1939, Serial No. 309,406
11 Claims. (Cl. 196—10)

3. A process for the production of paraffinic motor fuels of improved octane number which comprises reacting paraffinic hydrocarbon mixtures boiling in the motor fuel range and of relatively low octane number with at least one paraffin containing at least one tertiary carbon atom per molecule in the presence of a catalyst pre-

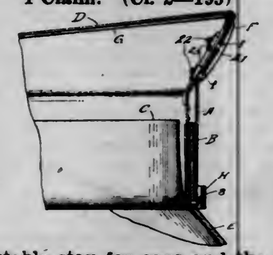
pared by admixing only hydrogen fluoride, water, and boron fluoride, the reaction being carried out under alkylating conditions.

2,296,372
MANUFACTURE OF BELTING AND LIKE PRODUCTS
Joseph Newton Smith, Salem, and John M. Bierer, Waban, Mass., assignors to Boston Woven Hose and Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application December 28, 1939, Serial No. 311,368
2 Claims. (Cl. 18—53)



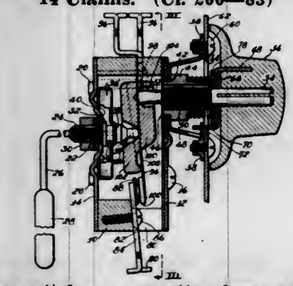
2. A continuous method of curing belting or the like, which consists in continuously passing the belting longitudinally along a predetermined path defined by heated surfaces in shaping and vulcanizing pressure contact with the belting and moving therewith at a speed which delivers the belting therefrom in a semicured condition, and thereafter continuously passing the semi-cured belting longitudinally through a chamber and in pressure contact with a heated vulcanizing gas in the chamber at a speed which delivers the belting from the chamber in a fully cured condition.

2,296,373
ADJUSTABLE STAY FOR CAPS
Jacob Wax and Morris Greenberg, Chicago, Ill.
Application January 24, 1940, Serial No. 315,392
1 Claim. (Cl. 2—195)



An adjustable stay for caps and the like, embodying two members one of which is adapted for movement relative to the other; one of said members embodying a supporting plate having vertical and transverse edges, a retainer lip bent back from the upper transverse edge of said plate and adapted to clamp the margin of the headband of a cap, and parallel guide-flanges along opposite vertical portions of said plate; the other of said members embodying an elongated plate having a wide body portion and a depending narrow tongue, said tongue disposed between and movable longitudinally in the guide-flanges of the first-mentioned supporting plate; interlocking devices on said supporting plate and said second plate for maintaining said tongue in different positions on said supporting plate; a down-turned clamping-flange normally urged against the upper portion of said second plate; and an annular distender element inserted under said down-turned clamping-flange and positioned in the crown of a cap.

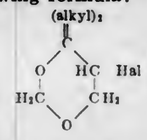
2,296,374
SWITCH
Victor Weber, Greensburg, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application May 14, 1940, Serial No. 335,055
14 Claims. (Cl. 200—83)



1. In a switch, an operating lever adapted for pivotal movement and bodily shift, a thermally actuable member having means for supporting said lever and transmitting said pivotal movement and bodily shift thereto in response to temperature changes, a switch arm movable by said lever to open and close the switch, and manually actuable means upon which said lever may pivot to operate the switch in response to movements of the thermally actuable member, said means being adjustable toward and away from the lever to vary the amount of bodily shift of said lever before pivoting occurs, thereby effecting operation of the switch at predetermined temperatures.

2,296,375
HALOGENATED META-DIOXANES
Erving Arundale, Union, and Louis A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 12, 1939, Serial No. 299,152
17 Claims. (Cl. 260—338)

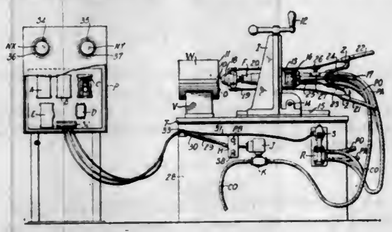
1. As a composition of matter a meta-dioxane having the following formula:



2,296,376
PROCESS OF AND APPARATUS FOR THERMOCHEMICALLY WORKING FERROUS METAL
Roger S. Babcock, Plainfield, and Edward Meincke, Roselle Park, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Application July 25, 1939, Serial No. 286,362
7 Claims. (Cl. 148—9)

4. Process of centering a furnace-heated, hot ferrous metal body, such as a billet, comprising

the steps of positioning in alignment with an end face of such billet a cutting blowpipe provided with a central cutting gas orifice surrounded by preheating gas orifice means; supplying said preheating gas orifice means with preheating gas; igniting the preheating gas by said hot body to provide a preheating flame which acts to raise a zone of the metal to a kindling temperature; simultaneously with the supply of preheating gas initiating the operation of an interval timer; at the end of a predetermined preheating time interval automatically supplying said cutting gas orifice with oxygen for thermochemical reaction with said metal in said zone; and continuing the supply of oxygen to said orifice for a predetermined cutting time interval while maintaining said blowpipe in fixed relation to said billet.



2,296,377
THERAPEUTIC COMPOUND
Robert D. Barnard, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 14, 1940, Serial No. 318,863
9 Claims. (Cl. 260—113)

1. A metal ferrihemoglobin containing a combined metallic ion derived from a metal chosen from the group consisting of copper, silver, gold, zinc, cadmium and mercury.

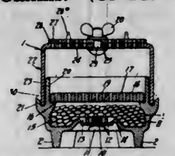
2,296,378
PRODUCTION OF VISCOSE
Richard Bartunek, Teltow-Seehof, Germany, and Johann Joseph Stoeckly, Zurich, Switzerland, assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 1, 1940, Serial No. 338,370. In Germany June 24, 1939
4 Claims. (Cl. 260—218)

1. In the process of producing viscose solutions poor in alkali and devoid of free fibres, the steps which comprise in sequence forming an initial viscose solution having an alkali content in excess of 8% and a cellulose content of about 16% by weight, allowing said solution to rest for a period of about 15 to 60 minutes, and diluting said initial viscose solution to form a final viscose solution having an alkali content of about 4 to 5% and a cellulose content of about 7 to 8% by weight.

2,296,379
TEXTILE MATERIAL
Cyril M. Croft, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 23, 1940, Serial No. 346,990
4 Claims. (Cl. 8—14)

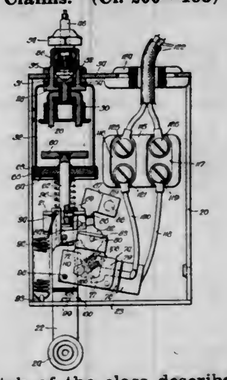
1. Process for the production of mottled effects on fabrics containing yarns or fibers of organic derivatives of cellulose, which comprises stiffening and plasticizing the fabric by treating it with a solution of a plasticizer in a solvent or softening agent for said organic derivatives of cellulose, drying the fabric and then dyeing the stiffened fabric under such conditions that it is crushed during the course of the dyeing operation.

2,296,380
METHOD OF AND APPARATUS FOR HEAT TREATING
Arthur C. Davidson, Canton, Conn.; Avis Cole Davidson, executrix of said Arthur C. Davidson, deceased
Application February 7, 1940, Serial No. 317,708
18 Claims. (Cl. 148—16)



1. The method of heat treating metal articles in a portable container which consists in, inserting the loaded container in a furnace generating its own atmosphere, generating a non-oxidizing gas in said container while mixing said gas therein with the atmosphere in the furnace, and controlling the flow of furnace atmosphere through said container to control the atmosphere in the latter acting on the articles.

2,296,381
CONTROL SWITCH
Richard K. Engholdt, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 25, 1940, Serial No. 337,178
12 Claims. (Cl. 200—153)



1. In a switch of the class described, in combination, an actuator member movable between cocking and released positions, a second member adapted to be cocked by movement of said actuator member to cocking position, means for holding said second member in cocked position, an insulating contact supporting body carried by said actuator member for movement with said actuator member to its cocking and released positions, first contact means carried by said contact supporting body, a switch operating arm pivoted to said second member and to said contact supporting body, and second contact means operatively connected to said switch operating

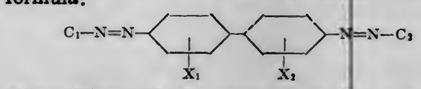
arm and actuated into contact with said first contact means by pivotal movement imparted to said arm by movement of said actuator member to released position with said second member held in cocked position, said second contact means being actuated to position out of contact with said first contact means by pivotal movement imparted to said arm by movement of said second member to retracted position.

2,296,382
DISPERSION OF HYDROPHILE PIGMENTS

Earl K. Fischer, Long Island City, Eugene G. Gluck, Jackson Heights, and William B. Reynolds, Elmhurst, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application August 16, 1940, Serial No. 352,864
5 Claims. (Cl. 106—288)

1. The method of dispersing a pigment of the formula:



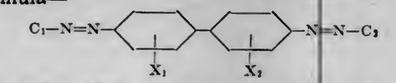
where X_1 and X_2 are members of the class consisting of hydrogen, halogen, alkyl and alkoxy, and C_1 and C_2 are residues of coupling components selected from the class consisting of naphthol mono-sulfonic acids and naphthol di-sulfonic acids, in the form of a metallic compound, which pigment is not dispersible in an organic non-aqueous liquid in its dry state, which comprises grinding the pigment in a non-aqueous organic film-forming vehicle, in the presence of an amount of a polar organic compound immiscible with the vehicle and having a dielectric constant of at least 30, at least equal to one third the weight of the pigment to produce an even dispersion of the pigment and polar compound in the vehicle.

2,296,383
METHOD OF DISPERSING HYDROPHILIC PIGMENTS

David M. Gans, Bronx, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application January 16, 1940, Serial No. 314,050
5 Claims. (Cl. 106—308)

1. The method of dispersing a pigment of the formula—



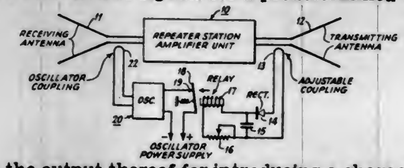
where X_1 and X_2 are members of the class consisting of hydrogen, halogen, alkyl, and alkoxy, and C_1 and C_2 are residues of coupling components selected from the class consisting of naphthol mono-sulfonic acids and naphthol di-sulfonic acids, in the form of a metallic salt, which comprises malaxating a press cake pulp of the pigment with an organic plastic and continuing the malaxation until the water in the pulp is evaporated and the pigment distributed through the plastic.

2,296,384
RELAY SYSTEM MONITOR

Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 11, 1940, Serial No. 329,010
8 Claims. (Cl. 250—15)

1. In a radio relay system having a pair of terminal stations, and one or more intermediate repeater stations, each having an input and an output, means in each repeater station responsive to a cessation of signals for a predetermined time

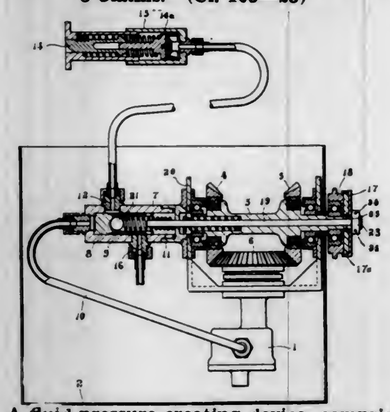


in the output thereof for introducing a characteristic signal in its input, the characteristic of the signal from each station differing from that of every other station by a factor determined by said predetermined time.

2,296,385
FLUID PRESSURE CREATING DEVICE

Lionel Leslie Haynes, Bromsgrove, England

Application June 4, 1940, Serial No. 338,788
In Great Britain August 3, 1939
3 Claims. (Cl. 103—23)



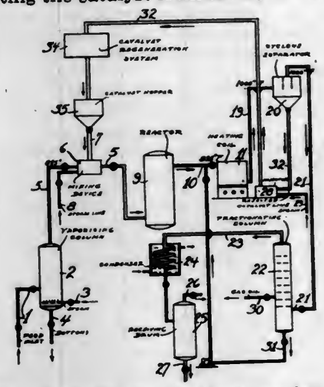
1. A fluid pressure creating device, comprising a rotary pump, a combined pressure building-up and pressure distributing cylinder fed by the pump, a piston mounted in the cylinder, a spring compressed by the piston to control the pressure of the fluid to be distributed from the cylinder, a slipping clutch for driving the rotary pump at a constant speed irrespective of the speed of an input member driving the pump, and a member controlling the clutch projecting into the said cylinder and adapted to be moved by the piston, against spring pressure independent of the spring pressure controlling the movement of the piston, to cause the clutch to slip should the input drive for the pump be greater than a predetermined speed.

2,296,386
CHEMICAL PROCESS

Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 5, 1939, Serial No. 307,556
7 Claims. (Cl. 196—52)

1. In the process of converting hydrocarbons into fractions boiling within the gasoline range, the improvement which comprises subjecting a mixture of vaporized hydrocarbons and powdered catalyst to a temperature of from about 750° F. to 825° F. in a primary cracking zone, further heating said hydrocarbons in a second zone to a temperature of from about 900° F. to 1200° F., separating the catalyst from the hydrocarbon va-

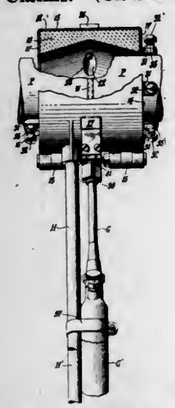


pors at the latter temperature, condensing and recovering gasoline.

2,296,387
APPARATUS FOR HEAT TREATING

Harry V. Inskeep, Fanwood, N. J., and George W. Patch, Jr., Kenmore, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application April 13, 1940, Serial No. 329,408
6 Claims. (Cl. 266—5)

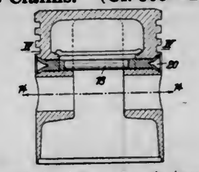


1. In apparatus for heat treating pipe or the like having a circumferential weld, an annular body comprising refractory material adapted to be positioned around such pipe, the inner circumferential surface of said body being substantially continuous and having the conformation of an annular channel, the edges of said surface being adapted to be spaced close to such pipe on each side of such weld, and said surface adjacent to the center line thereof being adapted to be spaced from such pipe by a substantially greater distance than said edges, said body being formed in two mutually abutting halves; nozzle means arranged to direct heating flames into said channel approximately on the center line thereof and directed initially against the surface of said channel; hinge means on one side of said body securing said halves together; and means comprising two outstanding handles secured one to each half of said body on the same side of said body as, and immediately adjacent, said hinge means for manipulating said halves.

2,296,388
PISTON

Wilhelm Krämer, Neckarsulm, Wurttemberg, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York

Application November 27, 1939, Serial No. 306,421
In Germany November 2, 1938
8 Claims. (Cl. 309—11)

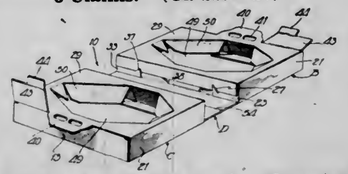


1. A light metal piston for internal combustion engines comprising a head, an annular part extending from said head, and a skirt of oval cross section extending below said annular part, said piston having a slot therein located in a plane transverse to the longitudinal axis of the piston between the annular portion and the skirt, said skirt having means to receive a wrist pin and means, symmetrical with respect to the longitudinal plane of the piston containing the axis of the wrist pin receiving means, and parallel to the axis of said wrist pin receiving means, connecting the opposite sides of said skirt, said last means comprising a strap of a material having such a coefficient of expansion as to prevent deformation of the skirt beyond a predetermined amount when the piston is subjected to a predetermined temperature.

2,296,389
CARDBOARD BOX

David Levkoff, Brooklyn, N. Y.

Application February 15, 1940, Serial No. 319,001
3 Claims. (Cl. 229—27)



1. A box comprising a pair of rectangular shaped cardboard box sections, each of said box sections including spaced inner and outer side walls, end walls, a top wall, and a bottom wall; the inner side walls of said box sections having openings therein for access thereto, means hingedly connecting said box sections together for swinging movement to a closed position with the inner side walls in confronting relation or to an open position with the inner side walls facing upwardly, and a foldable locking flap integral with the top edge of the inner side wall of each box section, the top wall of each box section having a slot to interfittingly receive the locking flap of the other box section when the box sections are in closed position.

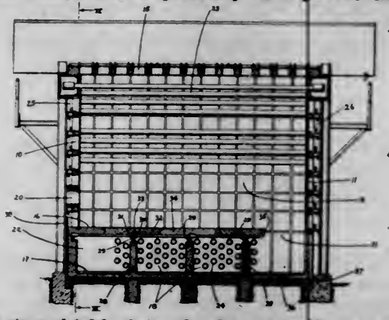
2,296,390
PROCESS FURNACE

William H. Marchant, South Pasadena, Calif.

Application February 28, 1940, Serial No. 321,277
4 Claims. (Cl. 122—356)

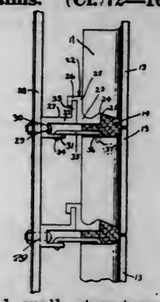
1. In a furnace of the type described which includes an outer wall forming a furnace chamber and within the upper portion of which are ra-

diantly heated tubes and in the lower portion of which are convectively heated tubes, a horizontal partition separating said sets of tubes, said partition comprising a plurality of separate inter-



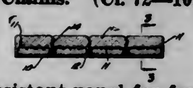
engaging shield plates freely supporting a separate layer of fire resistant material, whereby the partition will protect the convection tubes from the extreme heat to which the radiation tubes are subjected.

2,296,391
SUSPENDED FURNACE WALL
William H. Marchant, South Pasadena, Calif.
Application February 28, 1940, Serial No. 321,279
3 Claims. (Cl. 72—101)



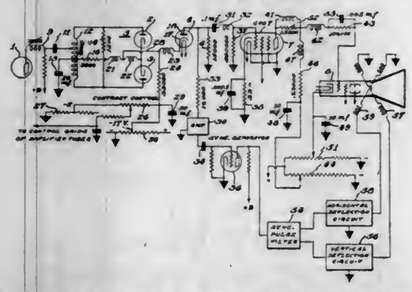
1. A suspended wall structure comprising a rigid vertical upright, a bracket secured thereto and extending horizontally therefrom, an angle member attachably connected to the bracket and providing a ledge on which a wall unit may rest, a tie bar detachably connected to the bracket and at its outer end providing means interlocking with an underlying wall unit to hold the same in position.

2,296,392
HEAT-RESISTANT WALL PANEL
William H. Marchant, South Pasadena, Calif.
Application February 28, 1940, Serial No. 321,280
4 Claims. (Cl. 72—101)



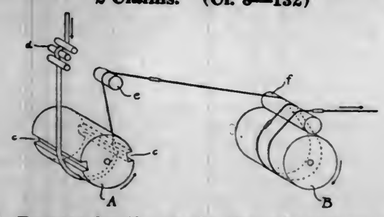
1. A heat-resistant panel for furnaces and the like, comprising a steel backing plate, bonding means carried thereby, a layer of plastic material covering said plate and enveloping the bonding means to make a bond therewith, and thicknesses of combustible material arranged in uniform spaced relation to each other and imbedded in the layer of plastic material, the edges extending to the outer face of the plastic material.

2,296,393
NOISE LIMITER
Ciro C. Martinelli, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 16, 1940, Serial No. 324,239
4 Claims. (Cl. 178—7.5)



1. A television receiver for the reception of a carrier wave negatively modulated by a composite signal consisting of picture signals and synchronizing pulses and also modulated by the direct current component of the transmitted picture, said receiver comprising a diode detector for demodulating said received signal to produce picture signals and synchronizing pulses, said detector including an output resistor, and an amplitude limiter circuit comprising a diode, an output resistor and a source of direct-current potential connected in series with each other and direct current connected across the output resistor of said detector, said diode being connected in such a direction in the circuit that the synchronizing pulses appearing across the detector output resistor and supplied to the diode through said direct current connection oppose current flow through the diode, and said source of direct-current potential being connected in the circuit with the proper polarity to maintain a flow of current through the diode so long as the signal appearing across the detector output resistor of the polarity of the synchronizing pulses does not exceed a predetermined amplitude, the resistance of the limiter output resistor being at least several times the resistance of the detector output resistor.

2,296,394
MANUFACTURE OF NOVELTY ARTIFICIAL YARN
Daniel T. Meloon, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 22, 1940, Serial No. 366,778
2 Claims. (Cl. 8—132)



1. Process for the production of artificial yarns which comprises heating yarn comprised of filaments of artificial thermoplastic material, to the softening point at intervals along its length, and applying substantially uniform stretching tension thereto so as to stretch the yarn at the softened

intervals, whereby to produce artificial yarn having sharply defined alternate stretched and unstretched portions along its length.

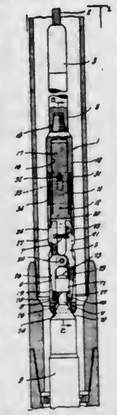
2,296,395
PROCESS FOR CRACKING CARBONACEOUS MATERIALS
Wilhelm Michael and Adam Buettner, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian
No Drawing. Application July 29, 1938, Serial No. 221,972. In Germany August 9, 1937
3 Claims. (Cl. 196—52)

2. Method of cracking hydrocarbon oils which comprises passing the oil in vapor form while at cracking temperature in contact with a catalyst comprising alumina gel and boron oxide and maintaining the oil in contact with the catalyst for a period sufficient to obtain a substantial amount of cracking.

2,296,396
JOINING MAGNESIUM MEMBERS
Mike A. Miller, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 19, 1940, Serial No. 346,372
7 Claims. (Cl. 148—26)

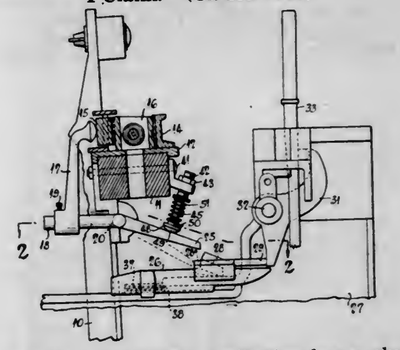
3. An alkali metal halide flux for the fusion joining of magnesium members containing lithium chloride and from about 0.01 to 0.2 per cent of at least one of the group of inhibitor salts consisting of the dichromates of sodium and potassium, and the chromates of sodium, potassium, barium, calcium, strontium, magnesium, zinc, and cadmium, said flux being characterized by the fact that said inhibitor salt addition prevents substantial reaction at room temperature, in the presence of water, between said flux and the magnesium member.

2,296,397
WELL TOOL
Alfred Muhlbach, Los Angeles, Calif.
Application May 8, 1940, Serial No. 333,983
11 Claims. (Cl. 294—116)



1. In a device of the character described, a body adapted for longitudinal movement in a well bore, a mandrel carried by the body and in telescopic relationship therewith, said mandrel extending below the body and forming a bowl, open at the bottom, adapted to be placed over apparatus in a well, a releasable connection between the body and the mandrel to prevent relative movement therebetween, jaw members carried by the mandrel below the body and adapted to engage said apparatus so that said apparatus may be lifted from the well with said body, and means operative upon release of said releasable connection to disengage the jaw members from the apparatus, said releasable connection being adapted to permit relative movement between the body and the mandrel when the upward force exerted on the body reaches a predetermined amount.

2,296,398
DAGGER DEPRESSING MECHANISM
Tom Ralph Nix, Una, and James Henry Calvert, Spartanburg, S. C., assignors to Bahan Textile Machinery Company, Greenville, S. C., a corporation of South Carolina
Application October 4, 1941, Serial No. 413,614
1 Claim. (Cl. 139—347)

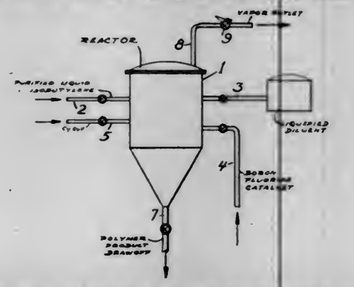


In a loom having an oscillating lay, a shuttle box on said lay, a dagger, a tripping mechanism and means controlled by the presence of a shuttle in the box for holding the dagger in a non-contacting position relative to said tripping mechanism, a dagger depressing means comprising a bracket carried by said lay, an adjustment collar threadably mounted in said bracket and means to lock the collar in said bracket, a plunger having one end slidably mounted in said collar and having an enlarged head at one end thereof for engaging said dagger, a compression spring disposed around said plunger, one end of said spring engaging the head of the plunger and the other end abutting against said collar whereby the plunger will be urged axially against the dagger and whereby the amount of pressure exerted by said spring may be varied by adjusting said collar.

2,296,399
PROCESS OF PRODUCING POLYMERS
Michael Otto, Ludwigshafen-on-the-Rhine, Germany, and Helmuth G. Schneider, Roselle, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application September 8, 1939, Serial No. 293,904
3 Claims. (Cl. 260—82)

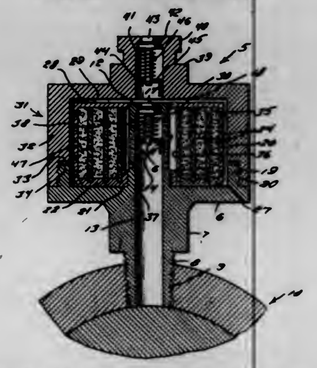
3. A method for polymerizing isobutylene to viscous polymers of increased stability, which comprises admixing purified isobutylene with other olefins having 3 to 5 carbon atoms per molecule such as are normally present in a cracked petroleum C_4 cut, and with an inert hydrocarbon diluent to form a reaction mixture containing a major proportion of said diluent

and about 20 to 40% of isobutylene, the remainder in a minor proportion being said other



olefins, and polymerizing the isobutylene in said mixture with boron fluoride as the catalyst at a temperature below —40° C.

2,296,400
FILTER LUBRICATION FITTING
Glen H. Page, Salt Lake City, Utah
Application April 15, 1941, Serial No. 388,671
1 Claim. (Cl. 184—105)



A pressure lubrication fitting comprising a base plate having a central bored nipple projecting from one side thereof for attaching the fitting to a part to be lubricated, and a central tubular member projecting from the opposite side thereof in communication with the bore of said nipple, a housing secured to said base plate and including a side wall and an outer end wall spaced from the outer end of said member, a laminated annular filter body surrounding said member and spaced from the side wall and outer end of said housing, said filter body having outer and inner ends impervious to the passage of grease therethrough and being pervious intermediate said ends to the passage of grease under pressure therethrough from the space between the same and said side wall of the housing into the space between said body and said member, an inwardly opening valve in the outer end of said housing for admitting grease under pressure into the space between the filter body and the outer end and side wall of said housing, means including a valve chamber and an inwardly opening valve in the outer end of said member for admitting grease from said space into the outer end of said member in the event that the filter body becomes clogged, and means to bypass grease under pressure from said valve chamber through the space between said filter body and member back into said member at points intermediate the valve chamber and said base plate.

2,296,401
WOOD PRESERVATIVE
Hugh C. Perkins, Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
No Drawing. Application September 23, 1938, Serial No. 231,345
5 Claims. (Cl. 167—38.7)

3. A wood preserving composition comprising a mixture of creosote and paraffin and at least one of the toxic materials selected from the group consisting of sodium fluoride, arsenious oxide, dinitrophenol, zinc chloride, and potassium dichromate, said mixture including sufficient paraffin to enable the resultant liquid to carry in a thoroughly dispersed form a relatively large quantity of the toxic materials.

2,296,402
ATTRITION MILL
Augustin Leon Jean Queneau, Peapack, N. J.
Application June 9, 1941, Serial No. 397,293
1 Claim. (Cl. 83—9)



An attrition mill including a drum having opposite end journals and bearings mounting said journals to permit rotation of said drum, the latter containing longitudinally extending, oppositely pitched spiral passageways arranged one inside the other with their ends respectively intercommunicating, said pasasgeways being immovably fixed respecting each other and respecting said drum, and said journals both having internal conduits opening to said passageways and free from said bearings, said conduits being in the form of spiral passageways that are respectively similarly pitched with one of smaller cross sectional area than the other, said conduits being immovably fixed respecting said journals and the latter being immovably fixed respecting said drum.

2,296,403
POLYMERIZATION OF WATER INSOLUBLE ORGANIC COMPOUNDS DISPERSED IN AN AQUEOUS VEHICLE
Archibald Renfrew and William Elliott Frew Gates, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 20, 1938, Serial No. 230,786. In Great Britain September 29, 1937
6 Claims. (Cl. 260—83)

1. Process of polymerizing a substantially water insoluble, polymerizable, organic compound having the group

$$CH_2{=}C\diagdown$$

to obtain a dispersion of said compound in the polymerized state in an aqueous vehicle, which comprises dispersing said organic compound in the liquid state in an aqueous vehicle in the presence of a persulphate from the group consisting of the alkali metal and alkaline earth metal persulphates, as a dispersing agent, the amount of said organic compound dispersed in said vehicle being in substantial excess of the amount soluble in said vehicle under the prevailing conditions, and thereafter subjecting said dispersion to agitation and polymerizing conditions, said process being carried out in the absence of other substances capable of effecting dispersion of said compound.

2,296,404
COMBINATION SPOON AND BOTTLE OPENER
Lloyd E. Ressegger, Oneida, N. Y., assignor to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application July 22, 1939, Serial No. 285,899
3 Claims. (Cl. 30—123)



1. A combined spoon and bottle opener comprising a spoon handle and bowl having a heel adjacent said handle and provided at the heel of its bowl with a drainage opening transverse to the spoon handle and the inner and outer walls whereof conform to the shape and curvature of a bottle cap, the inner wall thereof being adapted to engage under the cap apron and the outer wall thereof to rest upon the top of the cap for giving leverage to the spoon to detach the cap from the bottle neck when the spoon handle is moved upwardly.

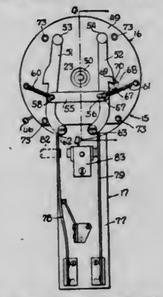
2,296,405
PRODUCTION OF HYDROCARBONS
Arno Scheuermann and Eugen Marecek, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian
No Drawing. Application March 7, 1940, Serial No. 322,768. In Germany March 25, 1939
6 Claims. (Cl. 260—449)

1. A process for the conversion of carbon monoxide with hydrogen into hydrocarbons containing more than one carbon atom in the presence of a catalyst containing iron and nickel, which comprises employing a catalyst prepared by slowly precipitating reducible iron and nickel compounds from a solution of salts of the said metals, at a temperature below 40° C. while maintaining a pH-value of not less than 8 in the solution during the precipitation.

2,296,406
METHOD OF PREPARING CATALYST
William E. Spicer and Rhea N. Watts, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 25, 1940, Serial No. 347,488
12 Claims. (Cl. 252—251)

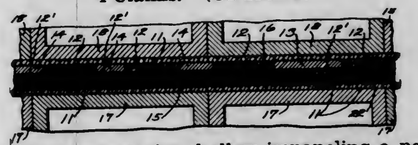
1. The method of preparing a rugged, active catalyst for use in catalytic reforming which comprises adding an acid having peptizing characteristics therefor to a crystalline aluminum hydrate, kneading the mixture to peptize the hydrate and form a paste, molding the paste by mechanical means into pellets of suitable size, drying the pellets with steam, heating the dried pellets to a temperature of about 1200° F. to reduce the volatile content thereof, and incorporating with the pellets at some point during the preparation of the pellets before the heating step a compound of a metal of the VI group of the periodic system.

2,296,407
ELECTRIC TIME SWITCH
Frederick W. Steiner, Chicago, Ill.
Application December 8, 1941, Serial No. 422,042
8 Claims. (Cl. 200—39)



3. In an electric time switch, a self-contained power-operating mechanism including a supporting structure and a pawl and ratchet device, a switch-operating mechanism formed as a unit and having a part adapted to be engaged by the said pawl and ratchet device, said switch-operating mechanism including a supporting structure and operating levers thereon, and said switch-operating mechanism adapted to be thereby assembled to said self-contained power-operating mechanism by the connecting together of the supporting structures of the respective mechanisms with the part of the switch-operating mechanism in alinement with the pawl and ratchet device of the power-operating mechanism.

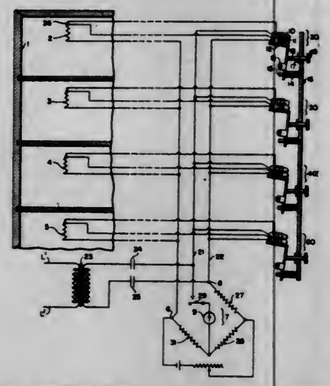
2,296,408
METHOD OF IMPRESSING DESIGNS UPON PILE FABRICS
William R. Todd, Shelton, Conn., assignor to The Sponge Rubber Products Company, Shelton, Conn., a corporation of Connecticut
Application August 16, 1938, Serial No. 225,251
4 Claims. (Cl. 154—2)



1. In a process for shallow impaneling a permanent design in both the pile and carcass of a limp woven pile carrying fabric, the steps which comprise, disposing adjacent areal portions of the pile carrying face of said fabric carcass toward and in areal register with adjacent flat pattern forming support surfaces located respectively in relatively offset parallel planes, blowing sponge rubber compound to cause

it to expand while in contact with said fabric carcass in all of its said areal portions while confining said expanding compound and carcass and pile in a manner to cause said compound to press the carcass and pile of said fabric simultaneously toward all of said adjacent offset flat support surfaces with an areally distributed force sufficient to emboss and offset the entire thickness of said carcass in certain of said areal portions from its original normal alignment with the entire thickness of said carcass in others of said areal portions, and so predetermining the volume expandability and degree of confinement of said compound in relation to the extent of offset of said pattern forming support surfaces that the said pile is squeezed against only the nearest of said surfaces with sufficient force to bed down said pile.

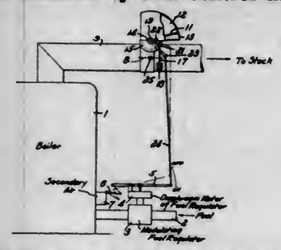
2,296,409
MEASURING APPARATUS
William H. Wannamaker, Philadelphia County, and Earl A. Keeler, Norristown, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 8, 1940, Serial No. 317,894
13 Claims. (Cl. 175—183)



13. In combination, a measuring circuit including a switch having the characteristic of presenting abnormal and unstable contact resistance to the flow of electric current of a low order of magnitude, means for impressing a current of a low order of magnitude to be measured on said circuit, and means for impressing a potential directly across the terminals of said switch so that when said switch is closed the portion of said potential which is impressed on said circuit is due only to the potential drop across said switch, said potential being of sufficient magnitude to overcome the condition causing the switch to present abnormal and unstable contact resistance, so as to control the contact resistance of said switch.

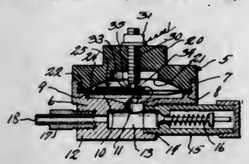
2,296,410
DRAFT CONTROL FOR COMBUSTION HEATING SYSTEMS
Raymond V. Wetzsteon, Butte, Mont.
Application February 13, 1940, Serial No. 318,743
3 Claims. (Cl. 236—1)

1. In a combustion heating system, the combination with a furnace, control means for modulating the supply of fuel to the furnace, and an automatic draft control mechanism including a damper in the furnace smoke pipe and damper-actuating means responsive to the draft in the smoke pipe tending to move said damper to maintain the draft at a predetermined value, of stop means actuated by said control means to



limit the opening movements of said damper by said damper-actuating means in accordance with changes in the rate of supply of fuel to the furnace.

2,296,411
FLUID PRESSURE INDICATOR
John W. Wills, Richmond, Va.
Application March 15, 1941, Serial No. 383,645
2 Claims. (Cl. 200—58)

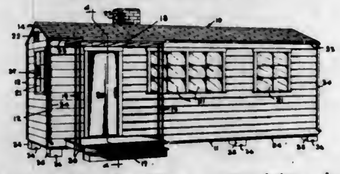


1. A fluid pressure switch comprising a metallic body having a chamber formed in and opening through a side thereof, an annular shoulder formed around the inside of said chamber and having a relatively sharp edge directed toward the open side of the chamber, said sharp edge forming a diaphragm supporting rib, a thin circular metallic diaphragm resting adjacent its edge upon said rib, an insulation body removably secured in the open side of the chamber and having an annular face bearing against said diaphragm opposite from and pressing the diaphragm against the rib, said diaphragm upon flexing rocking upon the rib, said insulation body having a chamber opposing the diaphragm, means for introducing fluid under pressure into the first chamber against the diaphragm, a terminal post carried by the insulation body and having an end in spaced relation with the diaphragm, means forming a part of said post providing a pair of spaced and opposed fixed contacts, and a movable current conducting contact electrically connected with and supported upon the diaphragm within the chamber of the insulation body and disposed between and adapted to move relative to the fixed contacts upon the flexing of the diaphragm.

2,296,412
HALOMETHYL ALIPHATIC AMINO COMPOUNDS AND PROCESSES OF MAKING THEM
Edgar Wolf, Krefeld, Germany, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 17, 1939, Serial No. 279,659. In Germany December 4, 1936
7 Claims. (Cl. 260—295)

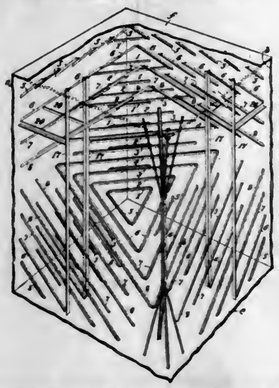
1. The reaction product of a fatty acid amide containing an aliphatic radical of at least ten carbon atoms, 2 mols of formaldehyde for each mol of fatty acid amide, and hydrochloric acid, said reaction product being then combined with a tertiary amine.

2,296,413
HOUSING UNIT
Lucian T. Zell, Cleveland, Ohio
Application April 19, 1941, Serial No. 389,459
4 Claims. (Cl. 20—2)



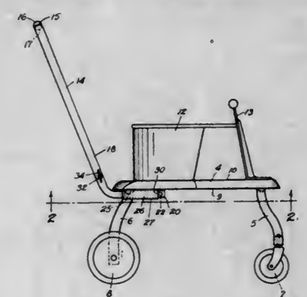
1. A portable dwelling comprising in combination; a chassis having side members and end members interconnected and adapted to support the wall members and roof members of said dwelling, a pair of opposed foundation blocks affixed to the underside of said chassis adjacent each end thereof, journal means affixed to the underside of each of said blocks, transverse axle members adapted to engage said journal means in each pair of said blocks, wheels carried by said axles, and removable means for holding said axles in operating position in said journal means, whereby said dwelling may be securely supported on said foundation blocks after removal of said axles.

2,296,414
STORAGE TANK CONSTRUCTION
Lewis Albrecht, Mahwah, N. J.
Application May 26, 1938, Serial No. 210,176
12 Claims. (Cl. 220—71)



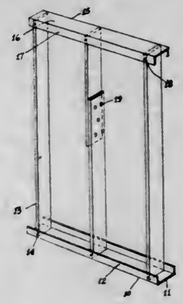
1. A storage tank having flat side, top and bottom walls of metal plates, a plurality of vertically spaced tiers of braces at the angles of adjacent vertical walls, each tier comprising a plurality of substantially parallel horizontal equally spaced braces lying in a common plane, a plurality of substantially horizontally spaced rows of braces at the angles of adjacent vertical and horizontal walls, each row comprising a plurality of spaced inclined and parallel braces lying in a common vertical plane, and each of said braces forming with the adjacent walls a separate triangular truss, thereby causing the stresses in the bracing members and wall plates to become compensating stresses.

2,296,415
HANDLE ATTACHMENT MEANS FOR BABY WALKERS
William J. Baker and Harry A. Konen, Newport, Ky., assignors to The W. J. Baker Co., Newport, Ky., a corporation of Kentucky
Application December 16, 1940, Serial No. 370,230
7 Claims. (Cl. 280—47)



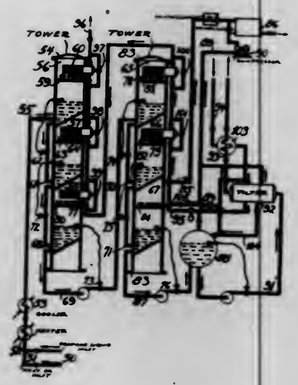
1. The combination with a tractional vehicle body having an under side and a top side, of means for guiding said vehicle, said guiding means comprising a handle having a pair of spaced arms, an angularly disposed tongue on the end of each arm, and a stop adjacent to the free end of each tongue, a pair of elongated socket elements fixed in spaced substantial parallelism to the vehicle body lengthwise thereof, a fulcrum and a latching edge diagonally opposed upon each socket element, and means operative manually to spring the arms of the handle laterally, and to maintain said arms in the sprung condition with the tongues abutting the fulcrums and the stops engaging the latching edges of the socket elements.

2,296,416
BUILDING CONSTRUCTION
Bruno E. Balduf, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application January 5, 1940, Serial No. 312,495
3 Claims. (Cl. 20—4)



1. In a partition structure, opposed floor and ceiling metallic channels having outstanding flanges, flexible wooden studs in spaced parallel relation engaged at top and bottom between said channels, nails passing through said flanges into said studs, and facing means attached to said studs, said wooden studs being sufficiently flexible to prevent material distortion of said facing means by the normal warping tendency of said studs.

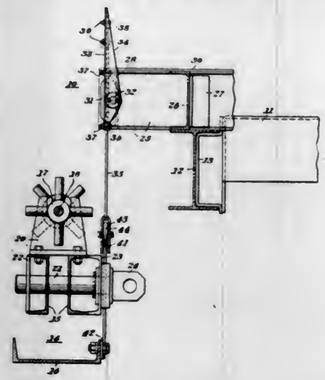
2,296,417
REFINING MINERAL OILS
George S. Bays, Jr., Baytown, and Joe L. Franklin, Jr., Goose Creek, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 9, 1939, Serial No. 308,356
1 Claim. (Cl. 196—18)



A process for dewaxing mineral oils which comprises passing a waxy mineral oil containing propane in solution through a plurality of successive cooling zones, chilling the oil in each zone by vaporization of at least a portion of the propane therein, condensing the vaporized propane in each respective zone by indirectly contacting it with cooling coils in the vapor space of each zone, collecting the condensed propane on a bubble cap plate in each cooling zone below said cooling coils but above the liquid level in each cooling zone before returning it to each respective cooling zone, withdrawing the cooled oil from the bottom of each zone and passing it to the next zone, further cooling the oil in a final zone by direct contact with added liquefied propane and without using a cooling coil, filtering the cooled oil leaving the last zone to remove precipitated waxy constituents therefrom, passing the cold filtered oil through said cooling coils countercurrent to the flow of the oil being dewaxed, adding propane to wash oil from the waxy constituents in the filtering step, precooling the wash propane by contacting it indirectly with the cold waxy constituents leaving the filtering step and adding at least a portion of the precooled wash propane to the last oil chilling zone for direct contact with the oil and to further cool the oil.

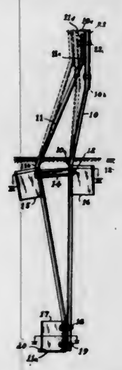
2,296,418
INDICATOR FOR FINISHING-MACHINE SCREEDS
James E. Bushnell, Aspinwall, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application December 2, 1941, Serial No. 421,327
6 Claims. (Cl. 94—45)

1. An indicator for a finishing machine including a main frame, a transverse screed and crown-adjusting mechanism for said screed, said indicator comprising a substantially vertical member secured to said frame and a gage movable relative thereto, and means mounted on said screed and moving therewith providing a horizontal bearing surface effective to support said gage in various positions, depending on the elevation of



the screed at the point where said means is located.

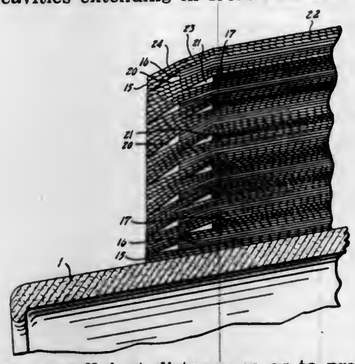
2,296,419
TRAFFIC GUARD
Eugene V. Camp, Atlanta, Ga.
Application November 9, 1935, Serial No. 48,962
17 Claims. (Cl. 256—13.1)



3. A traffic guard comprising a series of posts, said posts consisting of a plurality of springs, and an impact member disposed longitudinally of said posts.

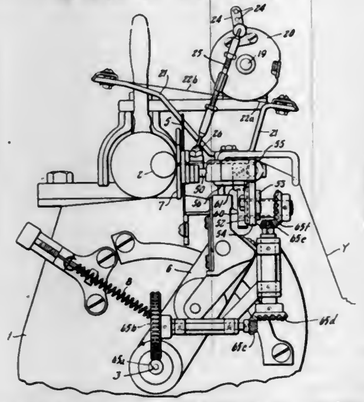
2,296,420
YARN PACKAGE
Lester Campbell, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a corporation of Massachusetts
Original application May 1, 1940, Serial No. 332,724. Divided and this application May 1, 1940, Serial No. 332,723
13 Claims. (Cl. 242—159)

1. An improved yarn package comprising a body of yarn wound in crossed helices about a core to form a self-sustaining package, at least one end of the package being formed by a series of yarn traverses extending to and being in aligned relationship at that end and regularly interspersed by a series of courses of slightly shorter traverses terminating short of and adjacent that end to provide cavities at that end, said cavities extending in from said end of the



package a sufficient distance so as to prevent a lip formation at said end of the package.

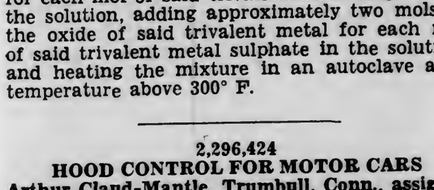
2,296,421
WINDING APPARATUS
Lester Campbell, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a corporation of Massachusetts
Application May 1, 1940, Serial No. 332,724
19 Claims. (Cl. 242—43)



1. In a yarn-winding machine in combination means for rotatably supporting a core on which a package is wound, thread-guiding means for directing thread to the core to build up a package of helical windings said guiding means comprising a thread-carrying member traversable back and forth along the package as it rotates, means for automatically varying the length of traverse of the thread as the package diameter changes, and means for alternately shortening the traverse of the thread and restoring it to normal predetermined length to provide at the end of the package a succession of cavities or voids which prevent the building up of a radially extending lip or ridge.

2,296,422
APPARATUS FOR TREATING METALLIC OXIDES
Byron E. Carl, Portland, Oreg.
Application June 29, 1940, Serial No. 343,079
6 Claims. (Cl. 266—18)

1. In an apparatus for recovering the metal from metallic oxides, a rotating heated insulated reaction tube of fused silica adapted to maintain a predetermined substantially uniform level of solid materials throughout its entire length and a solid feeding and heating mechanism at one end of said tube rotating in unison therewith and adapted to maintain the temperature of material which has been preheated at a point high enough to prevent the exiting gases passing over it from condensing and commingling therewith to avoid gumming and feed stoppages and also keep it constantly and finely broken up and mixed and feed said solid material slowly and evenly to insure complete exposure and reaction, a feeding device adapted to feed a regulated counter current of chlorine compound to said reaction tube at the opposite end of said tube a heated spill



box connected with the exit end of said reaction tube to collect and release non-volatile chlorides, such as magnesium chloride, and separate them from the volatile chlorides, a hot box interposed between said reaction tube and condensation chambers to maintain temperatures of the volatilizing chlorides above their liquifying or solidifying points and said fractional condensation chambers being attached to and interiorly connected with said hot box and tube so that in said chambers the exiting volatile metallic chlorides are separately condensed according to their liquifying or solidifying points and so that any one of them may be selectively removed in a relatively pure form adapted for subsequent reduction to a metal by any industrial processes well known to the chemical and metallurgical arts.

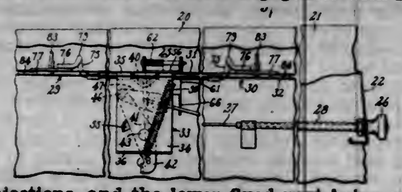
2,296,423
PROCESS FOR RECOVERING IRON AND ALUMINUM COMPOUNDS
Louis F. Clark, Montebello, Calif.
No Drawing. Application December 7, 1938, Serial No. 244,375
7 Claims. (Cl. 23—117)

1. The method of treating sulphate solutions of assorted metals including iron and aluminum sulphate to selectively precipitate a double basic sulphate of trivalent metals of the group consisting of aluminum and ferric iron, and alkali metal, which consists in adjusting the proportion of alkali metal so that the solution contains approximately one mol of alkali metal sulphate for each mol of said trivalent metal sulphate in the solution, adding approximately two mols of the oxide of said trivalent metal for each mol of said trivalent metal sulphate in the solution, and heating the mixture in an autoclave at a temperature above 300° F.

2,296,424
HOOD CONTROL FOR MOTOR CARS
Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application April 19, 1941, Serial No. 389,393
10 Claims. (Cl. 16—128.1)

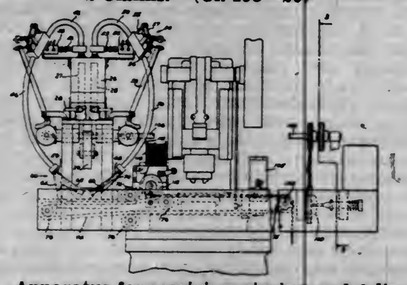
3. A hood latch for dual-tip hoods upwardly swingable from either side comprising plates at-

tached to the lower fixed part of the engine enclosure and having bent-up guiding and centering projections, the hood carrying at the margins plates with transverse slots engageable with said



projections, and the lower fixed part being provided at each side with a rocking rod having humped crank-like extremities adapted in one position to overlie portions of said last-named plates at the corresponding side of the hood.

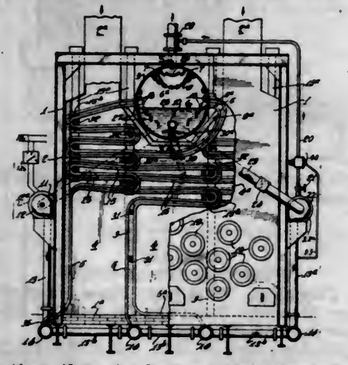
2,296,425
ARTICLE HANDLING APPARATUS
Paul M. Cole, Meadville, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 7, 1941, Serial No. 373,466
2 Claims. (Cl. 198—26)



1. Apparatus for receiving, storing and delivering oriented articles to a receiving member, which apparatus comprises a tubular magazine to receive oriented articles transferred thereto and to contain the same in oriented sequence, valve means in the delivery end of the magazine to deliver an article to a receiving member having a recess therein, the said valve means comprising a perforated slide to pass an article from the magazine to the recess of the receiving member in one position of the slide and to seat the article in the recess of the member while moving to another position of the slide.

2,296,426
STEAM GENERATING SYSTEM
Jay Gould Coutant, New York, N. Y.
Application November 7, 1938, Serial No. 239,305
In France November 12, 1937
8 Claims. (Cl. 122—356)

1. The method of operating a steam generator of the kind comprising a steam-and-water drum having a feedwater inlet and steam and water outlets and a bank of water tubes exposed to the combustion heat and connected for delivery into the steam space in the drum and a water pump arranged to force hot water recirculation from the drum water outlet back to and through the tubes; said method comprising substantially restricting the water flow by predetermined throttlings in the several tubes at a restriction point between the tube-heating zone and the delivery into the drum, while cooperatively operating the pump with control from its pressure side and in coordination with the flow restricting action to maintain in the tubes a water pressure predeterminedly elevated above the drum pressure sufficiently to preclude vaporization and flow acceleration in the tubes beyond the pump and up to the restriction point and to cause recirculation at a rate at least several times by weight of the steam consumption rate; whereby the recirculated water within the heating zone is maintained as a solid water column flowing at low velocity and therefore with optimum contact and capacity for high rate of heat



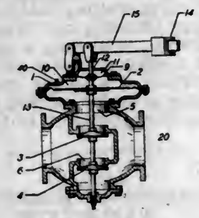
absorption thus to become superheated in its liquid form at the elevated pumped pressure until upon release and delivery into the drum with substantial pressure drop the solid water flashes partly into outgoing steam and partly settles as water for forced recirculation; and whereby the fuel combustion in the generator may be maintained at a super rate accompanied by high intensity of heat generation affording high rate of heat transmission to the tubes and liquid water flowing therethrough and thereby affording super rate of steam generation.

2,296,427
PROCESS OF PRODUCING AQUEOUS DISPERSIONS OF POLYISOBUTYLENE
Walter Daniel and Michael Otto, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application June 14, 1939, Serial No. 279,120. In Germany July 4, 1938
1 Claim. (Cl. 260—32)

A process of producing aqueous dispersions of polyisobutylene which comprises dispersing in water a solution of polyisobutylene in a water insoluble, volatile, organic solvent in the presence of an emulsifying agent and of a water soluble organic liquid which is a non-solvent for the polyisobutylene in small amounts insufficient to precipitate said polyisobutylene from solution in said water insoluble, organic solvent, and distilling off the vaporizable organic constituents thereby forming stable aqueous dispersions of polyisobutylene free from volatile organic solvents and non-solvents.

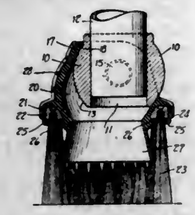
2,296,428
WATER PROTECTION OF PRESSURE GOVERNORS FOR PIPE LINES
Emery Dutch, New York, N. Y.
Application May 31, 1941, Serial No. 395,963
1 Claim. (Cl. 50—27)

In a pressure governor for pipe lines for gases and the like, having a casing, a valve in said casing for regulating the passage of the gas or the like through the pipe line, a membrane in said casing being part of the mechanism to control the operation of the valve, said casing having an opening over said membrane, a rod of the valve control mechanism projecting through that opening and being secured to said membrane, means to exert a pre-determined force on the upper end of said rod and on said membrane therethrough, in combination with means to prevent the ingress of a fluid through said opening over said membrane comprising a broad cover for said casing over said membrane, said hole for said rod being provided substantially over the center of said



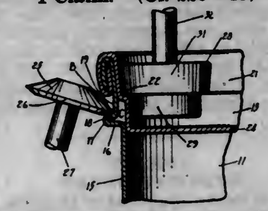
membrane and substantially in the center of said cover, two stationary concentric tubes secured on said cover around said hole, said rod passing through the inner one of said tubes, a bell tube carried by the upper part of said rod being telescopically movable in the space between said two stationary tubes, a heavy sealing liquid, like mercury, in said space, a stationary post secured on the cover spaced apart from said hole and said tubes, an arm pivotedly and transversely secured to the upper end of said rod, a pivoted link between one end of said arm and the upper end of said post, and a weight on said arm towards its free end outside of said central pivot.

2,296,429
SUCTION NOZZLE
Lars Johan Faith Ell, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application April 9, 1941, Serial No. 387,570
In Sweden July 9, 1940
5 Claims. (Cl. 15—158)



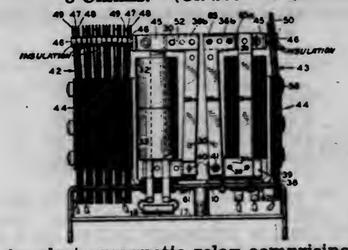
1. In a suction nozzle, an inner member of hard material formed with a passageway therethrough and having at least a portion of its outer surface formed as a surface of revolution, an outer member of elastic material having an inner surface corresponding to said outer surface and movably co-operating therewith, said outer member having an inlet opening therein and being formed with an annular channel around said opening, and a bristle carrying ring disposed in said channel, the resiliency of said outer member effecting an airtight seal between said members and retaining said ring within said channel.

2,296,430
CONTAINER
George C. Erb, Forest Hills, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 6, 1940, Serial No. 312,737
1 Claim. (Cl. 220—48)



A sealed sanitary sheet metal container adapted to be opened by a cutting tool without contacting the contents, comprising a tubular body member including a wall terminating in an outer flange, a countersunk end closure member having a peripheral flange interlocked with said body flange in an end seam joint, said body wall adjacent said seam being bent outwardly and thence inwardly and upwardly to provide an integral peripheral outwardly projecting ledge of double thickness constituting a cutting tool support, said upwardly bent tubular body wall between said ledge and said joint being offset outwardly from the straight major portion of the body wall and merging into said ledge to provide a sharply defined annular track for the tool to engage and cut through, said closure member adjacent said joint extending inwardly in a substantially horizontal wall part and thence downwardly into frictional engagement with the inner surface of the straight major body wall portion so as to shield the container contents from the tool and to set off with said outwardly offset body wall portion a closed annular space disposed inwardly of said ledge for receiving the cutting edge of the opening tool as the latter cuts through the said outwardly offset body wall portion at its juncture with said ledge, such removal of the container end providing a plug reclosure element for frictional engagement with the major straight body wall adjacent said ledge.

2,296,431
ELECTROMAGNETIC RELAY STRUCTURE
Phillip H. Estes, Rutherford, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application February 8, 1939, Serial No. 255,185
8 Claims. (Cl. 200—104)



1. An electromagnetic relay comprising a core of magnetisable material, the ends of said core forming the opposite magnetic poles respectively of an electromagnet, an energizing winding around said core, an armature, means for pivotally mounting one end of the armature adjacent to one of the ends of said core, the free end of

the armature being positioned adjacent to and attractable by the other end of said core, a contact spring assembly, an insulating member carried by certain of the springs of said assembly, an actuating member of non-magnetic material secured to the free end of the armature and movable therewith, said actuating member extending longitudinally along the line of thrust of said free end of the armature and past and in close proximity to said other end of the core and engaging said insulating member for actuating said certain of the contact springs upon movement of the armature relative to the core.

2,296,432
HIGHWAY GUARD
William S. Ferguson, Shaker Heights, Ohio
Application December 17, 1937, Serial No. 180,296
4 Claims. (Cl. 256—13.1)

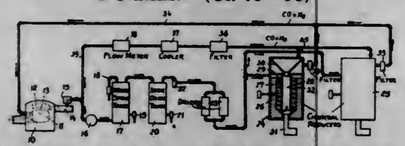


1. In a highway guard, a post, a bracket secured to said post and offset laterally from one side thereof, face plates extending longitudinally of the highway and meeting at said bracket in mutual alignment, there being a pin and slot connection between one of said plates and said bracket permitting relative movement between them, and a spring connected between said one plate and said bracket to resist movement of said one plate away from said bracket.

2,296,433
CORROSION INHIBITOR
Delton R. Frey, East Cleveland, and Albert K. Smith, Shaker Heights, Ohio, assignors to The Lubri-Zol Corporation, Wickliffe, Ohio, a corporation of Ohio
No Drawing. Application October 14, 1939, Serial No. 299,570
29 Claims. (Cl. 252—46)

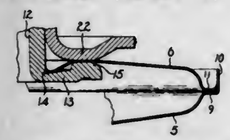
1. A lubricating composition comprising a major proportion of lubricating oil and a minor amount of benzyl thio cyanate.

2,296,434
PRODUCTION OF GASES FOR METALLURGICAL AND LIKE OPERATIONS
Robert A. Ghelardi and Philip M. Hulme, Metuchen, N. J., assignors to International Smelting and Refining Company, a corporation of Montana
Application December 20, 1940, Serial No. 370,956
8 Claims. (Cl. 75—96)



1. In the operation of a fuel-fired furnace for melting copper having a combustion chamber separated from a laboratory containing a bath of molten substantially oxygen-free copper and provided with a gaseous laboratory reducing atmosphere substantially free of any constituents capable under the operating conditions prevailing within the laboratory of deleteriously affecting the oxygen-free copper, the improvement which comprises providing the laboratory of the furnace with such a gaseous reducing atmosphere and consisting essentially of carbon monoxide and nitrogen by withdrawing from the combustion chamber a portion of the combustion gases composed of carbon dioxide, nitrogen, and impurities including oxygen, mixing with said gas a gas comprising carbon monoxide, heating the resulting gas mixture to convert the oxygen therein to carbon dioxide by reaction with the carbon monoxide, thereafter passing the gas in contact with carbon at an elevated temperature to reduce the carbon dioxide to carbon monoxide and to form a gas consisting essentially of carbon monoxide and nitrogen and substantially free of any constituents capable under the operating conditions prevailing within the laboratory of deleteriously affecting the oxygen-free copper contained therein, employing a minor portion of the gas thus produced as the carbon monoxide-bearing gas admixed with the combustion gases, and introducing a major portion of the gas thus produced into the laboratory of the furnace.

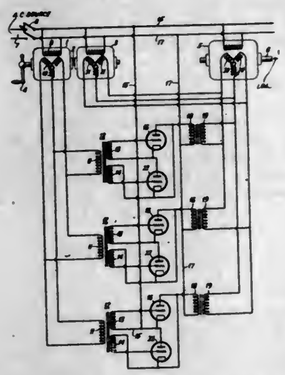
2,296,435
PRESSURE RESPONSIVE ELEMENT OF THE WAFER TYPE
Eugene Armand Giard, deceased, late of Milwaukee, Wis., by Beatrice L. Giard, special administratrix, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 15, 1938, Serial No. 185,147
8 Claims. (Cl. 297—9)



1. An expansible wafer comprising two circular cupped elements of thin sheet metal having peripherally thereof a continuous soldered joint lying in a plane from which the cup portions of said elements project in opposite directions, one of said elements having its marginal portion formed to provide a radially extending flat annulus and a ring upstanding from such annulus and the other element having its marginal portion formed to provide a radially extending flat annulus to fit within said upstanding ring of the former element, said soldered joint comprising said marginal portions of said elements and solder bonding together the inner surfaces of the annuli of said elements, the wafer exterior surfaces contiguous to said annuli being free of solder and said ring being permanently upstanding.

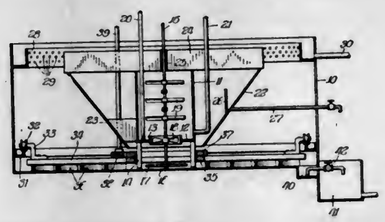
2,296,436
SYSTEM FOR TRANSMITTING ANGULAR MOTION
De Witt Rugg Goddard, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 22, 1941, Serial No. 375,376
7 Claims. (Cl. 172—239)

5. A system for the remote control of angular motion of the rotor in an electrical machine, comprising a control device having an electromagnetic rotor orientable with respect to an electromagnetic stator field, means including a source of alternating current for producing reactance between the rotor and the stator, an output circuit from said control device having at least three conductors, means for separately amplifying the potentials across different pairs of said conductors, electromagnetic rotor and stator windings in the electrical machine to be remotely controlled, at least one of said windings being orientable with respect to the others and being directly energizable by said source of alternating



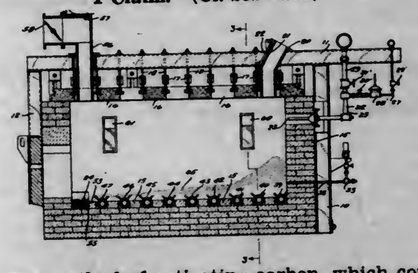
current, means for feeding said amplified potentials to said other windings of said machine, and means for causing the mutual reactance between the rotor and stator windings of said machine to maintain a correspondence of orientation between its own rotor and the rotor of said control device.

2,296,437
WATER TREATMENT AND APPARATUS
Walter H. Green, Chicago, Ill., assignor to Infilco, Inc., Chicago, Ill., a corporation of Delaware
Application November 25, 1938, Serial No. 242,161
15 Claims. (Cl. 210—16)



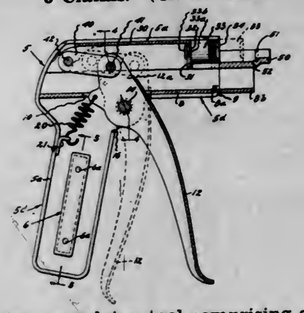
1. In water treating apparatus of the type described, the combination of a tank, a launder for treated water adjacent the top of said tank, a mixing chamber in said tank, said mixing chamber having an inlet opening positioned to receive water from the lower portion of said tank and an outlet so positioned relative to said launder that flow from the one to the other will have a horizontal component greater than the vertical component, a conduit for delivering water to be treated to said mixing chamber, a conduit for supplying treating reagent to said water, a power driven water moving member of such capacity and so positioned that on operation thereof it will cause flow into said mixing chamber of a volume of water at least as great as the volume of water entering to be treated, a scraper member in said tank adapted to move sedimented solids separated from treated water to adjacent the inlet opening of said mixing chamber, and an outlet for discharging solids to waste.

2,296,438
METHOD OF ACTIVATING CARBON
John W. Hassler, Tyrone, Pa., and Horace H. Richards, Luke, Md., assignors to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware
Application July 28, 1939, Serial No. 287,014
1 Claim. (Cl. 252—298)



The method of activating carbon, which comprises admitting in divided form the carbon to be activated to a substantially horizontal floor of a furnace at one end of such floor so as to form a bed thereon, such carbon being fed at a rate so as to form a heap at such feeding end of the furnace, blasting with an oxidizing gas said bed of carbon from beneath same at a plurality of zones spaced longitudinally of the furnace and extending crosswise thereof to cause the particles of said carbon to be partially oxidized, such blasting effecting a mobile condition of the particles, thereby aiding the action of gravity on the particles to effect a substantially unobstructed flow of same from said heap toward the discharge end of the furnace with the thickness of said bed tapering in the direction of such discharge end, removing the stream of oxidized products at the remote end of the furnace, thereby further aiding the movement of the forward particles, and varying the pressure of the blasting gas at said plurality of zones as required by the decreasing depth of the carbon bed to effect even distribution of the blasting gas, removing the activated carbon from the remote end of the furnace and carrying out the steps of the carbon admission, blasting, and removal of activated carbon and gaseous oxidation products in a continuous manner.

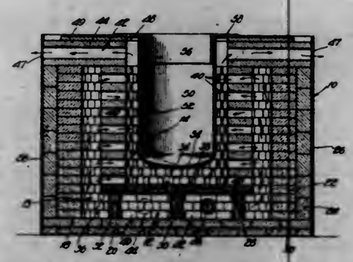
2,296,439
CLAMP APPLYING TOOL
Herman H. Helbush, Los Angeles, and Elmer L. Lipp, Glendale, Calif., assignors to Hollywood Comb Curler, Inc., Los Angeles, Calif., a corporation of California
Application September 22, 1941, Serial No. 411,878
3 Claims. (Cl. 29—84)



1. A clamp applying tool comprising a housing

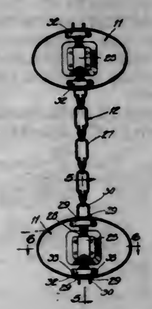
having a handle and a barrel, a track of U-shaped cross-section stationarily mounted in the barrel, a clamp receiving cradle positioned adjacent the outer end of the barrel, a plunger carrying bar of inverted U cross-section slidably mounted on the track, and a plunger secured to the outer end of said bar and being slidable through the outer end of the barrel towards and away from said cradle.

2,296,440
POT FURNACE FOR HEAT TREATING METAL
Alfred Heller, Bloomfield, N. J.
Application July 31, 1941, Serial No. 404,792
6 Claims. (Cl. 263—11)



1. In a furnace of the type described in combination, a furnace housing, a pot supported within the furnace housing, a checker-work wall surrounding the pot in spaced relation thereto and dividing the interior of the furnace housing into a pot chamber and a gas chamber having communication with each other throughout the entire height of the checker-work wall through the voids or spaces thereof and means for supplying heating gases to the gas chamber.

2,296,441
JACOB'S LADDER
Adolph Hopp, New York, N. Y., and Roger H. Martin, Boston, Mass., assignors to H. K. Metal Craft Manufacturing Corp., New York, N. Y., a corporation of New York
Application July 3, 1940, Serial No. 343,682
14 Claims. (Cl. 228—40)

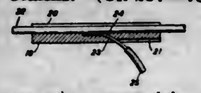


1. A ladder of the type described comprising in combination, a plurality of ladder steps, flexible stiles, spacing ears carried by the ends of said steps, means for rigidly securing the ears and the stiles to the ends of the steps, and additional means for rigidly securing the stiles to the spacing ears.

2,296,442
BRAZING FLUX COMPOSITION
Oskar Horowitz, Brooklyn, N. Y., assignor to Albert I. Elias, New York, N. Y.
No Drawing. Application February 23, 1940, Serial No. 320,415
7 Claims. (Cl. 148—26)

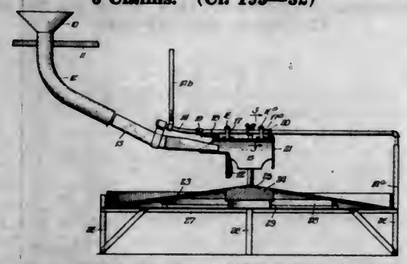
1. A brazing flux comprising an alkali borate, an alkali acid fluoride, halogenides of cadmium and copper, and halogenides of alkali metals.

2,296,443
WIRE CONNECTOR
Walter C. Kleinfelder, Rosebank, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 31, 1941, Serial No. 395,930
7 Claims. (Cl. 287—78)



1. A wire connector comprising a cylindrical member having a longitudinal wire receiving groove extending the full length thereof, and a longitudinal wire receiving aperture located in the wall of said member and extending but a portion of its length and having a diameter substantially less than that of the wire receiving groove, said cylindrical member adapted to be compressed to close said groove and said aperture for securely connecting one wire to another.

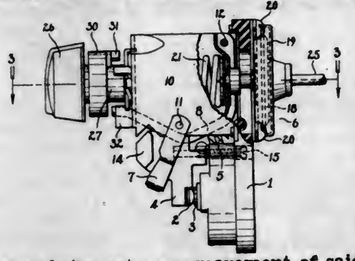
2,296,444
BOTTLE RECEIVER
Alfred C. Kohl, Marshfield, and Philip F. Kohl, Mosinee, Wis.
Application October 28, 1940, Serial No. 363,078
6 Claims. (Cl. 193—32)



1. In a device of the class described, a passageway for bottles, a bumper head resiliently mounted at the end of said passageway, said mounting means permitting said bumper head to oscillate and to move axially in relation to said passageway and a receiving tray mounted beneath said bumper head.

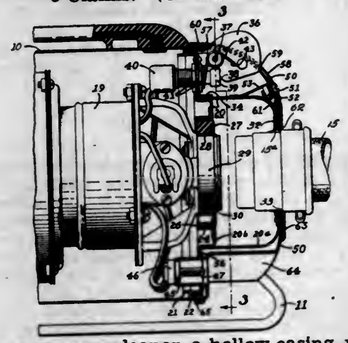
2,296,445
THERMAL RESPONSIVE SWITCH
Clarence W. Kuhn, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application August 31, 1940, Serial No. 355,037
5 Claims. (Cl. 200—83)

1. In a refrigerator control device, in combination, a control switch, thermoresponsive operating means therefor, a single loading spring associated with said thermoresponsive operating means, an adjustment control for said spring including a rotatable adjusting member movable within a given normal range to adjust said spring for operation of said switch at selected refrigerating temperatures, said adjusting member being also movable beyond said range into a given extreme position to effect a given setting of said spring for operation of said switch at a predetermined abnormal temperature, latching means for locking said spring in said given setting, said latch-



ing means being set upon movement of said adjusting member into said extreme position and acting to maintain said spring in said given setting upon return of said adjusting member to a position within said normal range, and means acting upon response of said switch at said abnormal temperature to trip said latching mechanism for restoration of said loading spring to control by said adjusting member.

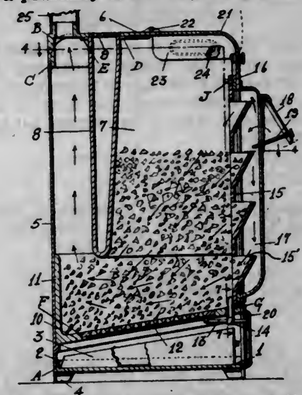
2,296,446
VACUUM CLEANER
Robert C. Lampe, Springdale, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application February 14, 1941, Serial No. 378,869
5 Claims. (Cl. 230—132)



1. In a vacuum cleaner, a hollow casing, means for producing flow of air through said casing, an end member secured to said casing and formed with a port for flow of air therethrough, a hood member surrounding said end member and secured thereto and having an opening in alignment with said port, and means for securing a hollow member in communication with said port, the last-mentioned means being carried by said end member entirely independently of said hood member.

2,296,447
HEATING STOVE
Lyall L. Lowe, Sioux City, Iowa
Application February 1, 1941, Serial No. 377,006
3 Claims. (Cl. 126—73)

1. In a heating stove, a casing of an appreciable length with open ends to function as a wall for the stove structure, a top and a bottom member and means to secure the same to their respective ends of the casing whereby a combustion chamber is formed, a fire pot secured in the casing a spaced distance upward from the bottom member and having side walls and a bottom, the bottom sloping downward toward one side, a circular grate rockably carried in an opening through the bottom, said grate having a shake rod radially extending therefrom, a fuel magazine of an appropriate length vertically positioned in the casing and being rectangular in cross section, the upper end of said magazine being secured to the top enclosing member as supporting means for the magazine, the walls of said fuel magazine diverging downward and being open at its lower extremity and in spaced relation from the fire pot, one side of the fuel magazine having an opening starting a spaced distance downward from its upper end and extending through the wall to its lower extremity, a plate having a plurality of vent openings therethrough

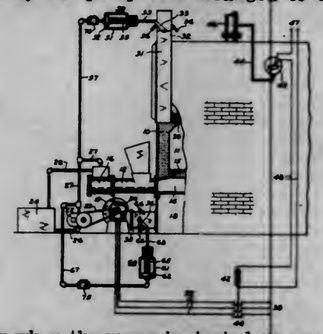


and spaced apart longitudinally of the plate to engage over the opening and positioned inward of the wall, one end of the plate being pivotally connected to the wall adjacent its opening for oscillatory movement edgewise of the plate, and the said plate extending downward to close engagement with the bottom of the fire pot at which point a slot is formed through the bottom, a bifurcated arm secured to the lower end of said plate and extending through the slot so that the bifurcation will straddle the shake rod of the grate, whereby said plate is rocked simultaneously with the shaking movement of the grate, an outward extension for the casing adjacent the plate, vertically disposed, and being open at its upper extremity as a draft shaft for the fire pot, a door to engage with the opening, adjustably, to control the draft as it enters the shaft, whereby a current of air is conducted downward and across the fire pot and simultaneously downward through fuel contained in the magazine.

2,296,448
COMBUSTION REGULATION
Ralph C. Mead, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application March 28, 1939, Serial No. 264,607
4 Claims. (Cl. 236—1)

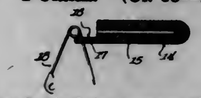
1. A regulating system for a furnace having a forced draft fan to supply air to the furnace for combustion and an uptake damper to control the discharge of gases from the furnace comprising a pump arranged to supply liquid under pressure, means to start and stop the fan and pump in

accordance with the demand for heat from the furnace, a hydraulic motor connected to the damper, a conduit connecting the pump with the motor, the motor being actuated by liquid delivered by the pump and arranged to open the



damper when the pump is started, means to close the damper when the pump is stopped, a check valve in the conduit having a valve member arranged to open freely when the flow of liquid is toward the motor, and a restricted by-pass for the valve member.

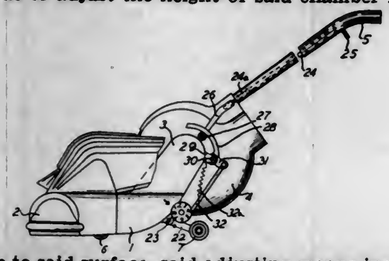
2,296,449
HOOK GUARD
Armin Meisenheimer, Milwaukee, Wis.
Application September 24, 1938, Serial No. 231,453
1 Claim. (Cl. 68—235)



A guard adapted to encase the sharp pointed end of a metal wire hook attached to a fabric article such as a drapery to prevent damage by said hook to such fabric article while undergoing cleaning treatment comprising an elongated finger-like body formed in one piece of heat and solvent resistant vulcanized synthetic elastic polymer, said body having a medially disposed longitudinal hole entering one end thereof and terminating short of the opposite end thereof, said hole being adapted to receive and grip the sides of one of said wire hooks at and near the end thereof, the transverse dimensions of said body being several times the transverse dimension of said hole and of the wire hook to be accommodated therein so as to effectively blunt the action of the sharp end of said wire hook, said body having transverse dimensions which are about the same in all directions so that said body is capable of easy flexure in any transverse direction for the accommodation of a non-rectilinear hook end; a projecting tab composed of the same material as said body integrally united therewith and disposed adjacent to the entrance end of said hole; and looped pinning means associated with said tab adapted to be opened to expose a pinning point and closeable to protect said pinning point and to form a closed loop for attaching said finger-like body to said textile article.

2,296,450
VACUUM CLEANER
Frederick Riebel, Jr., Miami Beach, Fla., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application November 22, 1940, Serial No. 366,668
8 Claims. (Cl. 15—16)

1. In a vacuum cleaner, a suction chamber, a fan mounted for rotation on a horizontal axis, a fan casing enclosing said fan and having an inlet joined to said suction chamber for pivoting movement on said axis, a handle rigidly attached to said casing, means adjustably supporting said chamber for travelling over a surface to be cleaned, means for adjusting the position of said supporting means with reference to said chamber so as to adjust the height of said chamber rela-



tive to said surface, said adjusting means including an arcuate member extending around the upper and rear side of said inlet and adapted for movement in a generally radial direction with reference to said inlet, an actuating element extending longitudinally of said handle and adapted to effect such movement of the arcuate member, and means responsive to such movement for transmitting adjusting movement to said supporting means.

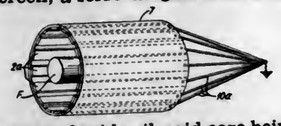
2,296,451
METHOD OF CONSTRUCTION OF CHAIR OR STOOL STRUCTURES
Paul Roberts, St. Louis, Mo.
Application May 29, 1940, Serial No. 337,878
1 Claim. (Cl. 153—21)



The method of simultaneously pre-shaping the ends of tubing comprising the following steps: bending a piece of tubing into U-formation, then placing the lower rounded section of each U-end of the tubing in shallow channels of a die plate having a larger circumferential area than the outer circumferential area of the tubing ends and exposing the upper rounded section of the tubing ends, then pressing the exposed upper sections flush and flat with the surface of the die plate while expanding the lower section of the tubing ends into intimate contact with the interior larger circumferential area of the shallow channel and then removing the tubing ends from the die plate channels.

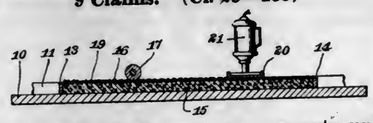
2,296,452
HIGH FREQUENCY COIL
Noël Meyer Rust, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Original application April 24, 1936, Serial No. 76,122. Divided and this application September 4, 1940, Serial No. 355,301. In Great Britain May 11, 1935
1 Claim. (Cl. 171—242)

In a variable high frequency inductance device, a conductive screen structure comprising a plurality of spaced conductive strips arranged to form a cage-like cylindrical member, a coil winding mounted within said screen and in coaxial relation therewith, the outer diameter of said coil winding being substantially smaller than the inner diameter of said screen whereby there is provided a substantial air space between the coil and the screen, a ferro-magnetic core for varying



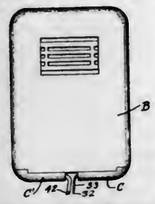
the inductance of said coil, said core being mounted for movement along its axis within said coil and in coaxial relation therewith, and a plurality of conductors, each having one end connected to a conductive strip of the screen and the other end connected to a common point, said conductors being arranged to form a cone-like structure, the apex of which is grounded.

2,296,453
METHOD OF MOLDING CONCRETE PRODUCTS
George J. Saffert, New Ulm, Minn.
Application April 16, 1941, Serial No. 388,733
9 Claims. (Cl. 25—155)



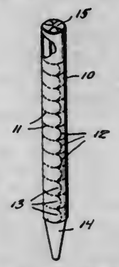
1. The method of forming a concrete product in a mold consisting in pouring into the mold the concrete mixture, sprinkling aggregate on the concrete mixture before the same has set, rolling the aggregate material partially into the concrete, and pressing the aggregate particles into the concrete to extend flush with the upper surface thereof.

2,296,454
CIRCUIT CONNECTOR STRUCTURE
Walter E. Schauer, Forest Park, Ill., assignor to Otarion, Inc., Chicago, Ill., a corporation of Illinois
Application May 3, 1941, Serial No. 391,763
2 Claims. (Cl. 173—334)



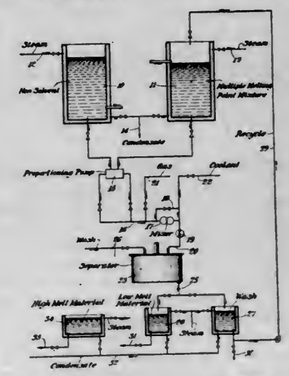
2. A rectangular microphone casing for hearing aid outfits having headed terminal pins extending therefrom, a connector unit comprising an oblong shell open at one side and having internal seating shoulders along said open side, a terminal plate fitting into said shell and seating on said shoulders to form a closure for the shell, contacts on said terminal plate, a bowed clamping plate disposed transversely within said shell with its sides extending outwardly between said shell and said plate along the longitudinal edges thereof and terminating in clamping tongues overlapping said terminal plate, and a screw extending through the bottom of said shell and threading through said clamping plate intermediate its ends for exerting tension thereon to cause said terminal plate to be clamped against said shoulders by said tongues, said terminal plate having keyhole slots in front of the terminal contacts for interlocking engagement with said headed terminal pins.

2,296,455
PENCIL OR CRAYON
Willard E. Schroeder, Dunmore, Pa.
Application March 1, 1941, Serial No. 381,351
2 Claims. (Cl. 120—83)



1. In a pencil, the combination with a marking element, a wrapper therefore comprising a rectangular sheet of material adapted to be wrapped once around said element and have its longitudinal edges connected in slightly overlapped relation, said sheet having closely related transverse spaced parallel weakened lines, whereby narrow strips are adapted to be singly and successively removed to expose a predetermined portion of the marking element for use, and a series of vertically curved weakened lines disposed in vertical alignment adjacent one longitudinal edge of the sheet, each of said curved weakened lines being arranged between and connecting a pair of said parallel transverse weakened lines, and the upper portion of said sheet being folded over the adjacent end of said element and constituting an end wall to prevent relative longitudinal movement of the wrapper on said element.

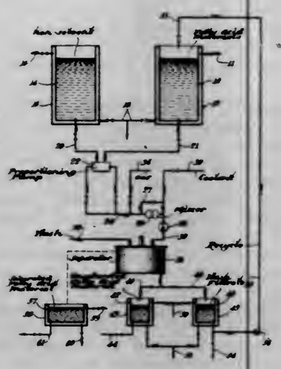
2,296,456
SEPARATION OF DIFFERENT MELTING POINT MATERIALS
August Henry Schutte, Westfield, N. J.
Application May 18, 1939, Serial No. 274,412
12 Claims. (Cl. 252—303)



1. The method of separating a non-gaseous

physical mixture of at least two organic compounds having different melting points into predetermined fractions, which comprises maintaining said mixture in a liquid condition, forming an emulsion thereof with an inert gaseous material, which is not substantially soluble in or a solvent for said mixture, and a non-solvent, non-reactive liquid material, cooling said emulsion to a temperature such that at least one of the predetermined fractions is solidified, and thereafter making a liquid-solid separation of the emulsion to separate the solidified material from the remaining liquid material.

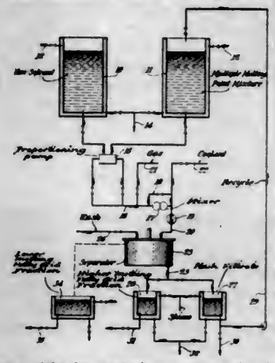
2,296,457
SEPARATION OF DIFFERENT MELTING POINT MATERIALS
August Henry Schutte, Hastings on Hudson, N. Y.
Application September 20, 1941, Serial No. 411,646
9 Claims. (Cl. 252—303)



1. The method of separating a mixture of materials selected from the group consisting of higher saturated and unsaturated aliphatic fatty acids and their glycerides into fractions which are respectively relatively more saturated and relatively more unsaturated, which comprises maintaining the mixture in liquid condition, forming an emulsion thereof with a non-solvent, non-reactive fluid, cooling said emulsion to a temperature such that the relatively more saturated compounds are substantially solidified in a highly dispersed phase, and thereafter making a liquid-solid separation of the chilled emulsion to separate the solidified compounds from the remaining liquid material.

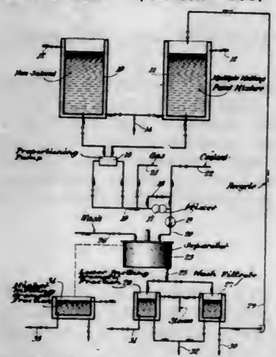
2,296,458
SEPARATION OF DIFFERENT MELTING POINT MATERIALS
August Henry Schutte, Hastings on Hudson, N. Y.
Application September 20, 1941, Serial No. 411,647
7 Claims. (Cl. 252—303)

1. The method of concentrating an aqueous solution of at least one of the lower fatty acids, which comprises forming an emulsion of such a solution while in liquid condition with a non-solvent, non-reactive hydrocarbon fluid, cooling said emulsion to a temperature such that at least the highest melting point material partially solidifies, and thereafter effecting a liquid-solid separation of the chilled emulsion whereby a fraction is obtained containing at least one of



said fatty acids in greater concentration than in the initial solution.

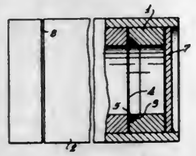
2,296,459
SEPARATION OF DIFFERENT MELTING POINT MATERIALS
August Henry Schutte, Hastings on Hudson, N. Y.
Application September 20, 1941, Serial No. 411,648
9 Claims. (Cl. 252—303)



1. The method of separating a mixture of at least two aromatic compounds having different melting points, which comprises maintaining said mixture in liquid condition, forming an emulsion thereof with a non-solvent, non-reactive fluid, cooling said emulsion to a temperature such that at least one of the components of the initial mixture is partially solidified, and thereafter effecting a liquid-solid separation of the chilled emulsion to obtain a fraction containing at least one of said components in greater concentration than in the initial mixture.

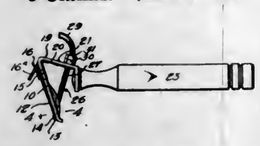
2,296,460
METHOD OF FORMING VALVE SEAT INSERTS
Charles B. McDonald, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 9, 1941, Serial No. 373,748
6 Claims. (Cl. 29—156.7)

1. The method of making valve seat inserts which includes the steps of, preforming a plurality of like annular metal blanks each of predetermined size and shape having an enlarged opening at one end, assembling two or more of said blanks in parallel relation in a supporting tube having a bore substantially the same as the outer diameter of the blanks, with means comprising an element non-fusible with the blanks or tube at casting temperatures disposed therebetween to separate the blanks, said separating means disposed to form one face of a groove with the enlarged opening in one end of the blanks



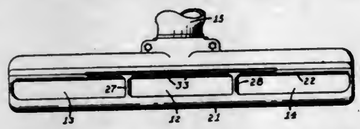
forming another face of the groove, disposing by centrifugal casting a metal annulus bonded to the blanks within said grooves and of a predetermined amount sufficient to substantially fill said grooves without effecting bonding between adjacent blanks, and separating from the supporting tube the assembled blanks and metal annuli bonded thereto.

2,296,461
SAFETY RAZOR
Henry W. Berg, Cleveland, Tenn.
Application October 20, 1941, Serial No. 415,821
5 Claims. (Cl. 30—52)



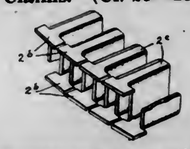
1. A safety razor having a mounting plate, a blade, means clamping said blade against one face of the plate including spaced elements engaging the cutting edge portion of the blade, and means operatively mounted on the mounting plate movable independently of the plate against the blade adjacent its cutting edge and between said elements of a length to flex said cutting edge portion to bow the latter relatively to and out of parallelism to the plate and said elements.

2,296,462
SUCTION NOZZLE
Thomas C. Betts, Bronxville, N. Y., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application December 13, 1940, Serial No. 369,932
5 Claims. (Cl. 15—155)



1. A suction nozzle for cleaning a surface including a body member having a plurality of suction slots, a sliding plate for controlling the connection of the suction slots to a source of suction, and a plurality of feet depending from said plate to contact the surface being cleaned for moving said plate upon movement of the nozzle relative to said surface transverse to the normal direction of movement.

2,296,463
METHOD OF MAKING OIL RINGS
Thomas A. Bowers, Boston, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts
Application November 25, 1939, Serial No. 306,098
3 Claims. (Cl. 29—156.6)



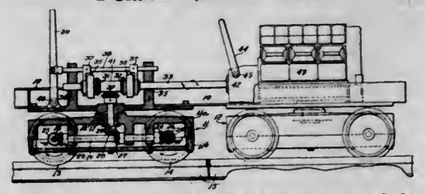
1. That improvement in methods of making piston rings which comprises folding a strip transversely of itself to form spaced-apart crowns and connecting web portions, bending the reversely folded strip into an annular body in which the lines of folding occur radially in spaced-apart relation at upper and lower sides of the ring body, removing portions of the strip between the crowns at the outer peripheral edges of the annular body to provide relieved crown portions, separating the relieved crown portions from respective adjacent crowns along lines of separation which extend axially of the ring, and flattening the relieved and separated crown portions into substantially flat segments which extend circumferentially of the ring beyond respective adjacent crown portions in planes at right angles to the axis of the ring.

2,296,464
RUBBER SUBSTITUTE AND METHOD OF MANUFACTURING SAME
Robert Brown, New York, N. Y.
No Drawing. Application March 29, 1940, Serial No. 326,590
10 Claims. (Cl. 260—112)

1. A process for the manufacture of a rubber substitute comprising subjecting a coagulable vegetable protein material to the action of chlorine and carbon disulfide.

4. A process for the manufacture of a rubber substitute comprising treating de-fatted soya bean meal with a solution of calcium hydyroxide, separating the solution of proteins so obtained, adding formaldehyde thereto, bubbling chlorine through the solution, allowing the solution to stand for a period of several days, adding about 4–8% of carbon disulfide by volume based upon the volume of protein solution, again bubbling chlorine through the solution, and subsequently drying the solution.

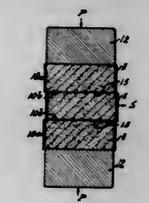
2,296,465
LOCOMOTIVE
Camille L. Charbonneau, Fairhaven, Mass.
Application November 22, 1940, Serial No. 366,661
1 Claim. (Cl. 105—117)



A locomotive comprising a box-like truck body whose interior provides a closed compartment adapted to hold a lubricant; a pair of body-supporting axles journaled on said body and extending transversely through said compartment, one

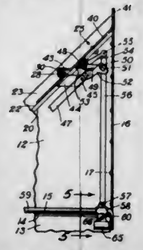
near each end thereof; traction wheels fast on said axles alongside of said body; a chassis seated directly upon and supported by the top wall of said truck body; means swivelly connecting said chassis and truck body so that they are pivotally movable relatively on a vertical axis disposed between said axles, said means including a tubular pivot trunnion projecting downwardly from and forming a rigid part of said chassis, said trunnion being journaled in a bearing provided in the top wall of said body; a motor mounted on said chassis; and power-transmitting mechanism connecting said motor with both of said axles, said mechanism including a single vertical shaft journaled within said tubular trunnion, a horizontal motor-driven shaft journaled on said chassis, reversible gear mechanism for connecting the upper end of said vertical shaft with said horizontal shaft, a single horizontal shaft element disposed longitudinally wholly within said compartment and journaled in bearings on said truck body, a pair of intermeshing gears connecting the intermediate portion of said shaft element with the lower end of said vertical shaft, a pair of intermeshing gears connecting one end of said shaft element with one of said axles, and a pair of intermeshing gears connecting the opposite end of said shaft element with the other axle, said three pairs of intermeshing gears being also disposed within said compartment.

2,296,466
METHOD OF DETERMINING DRIVEN FRICTION PILE CAPACITIES
Trent R. Dames, Pasadena, and William W. Moore, San Marino, Calif.
Application November 1, 1940, Serial No. 363,860
9 Claims. (Cl. 73—51)



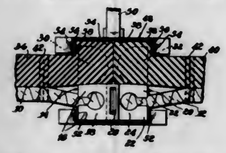
3. The method of predicting driven friction pile capacities that comprises, ascertaining by a procedure including a physical soil sample shear test the average shear strength of the soil into which the pile is to be driven when the soil is under natural soil pressure, ascertaining by a procedure including a physical soil sample friction test the average friction strength of the soil in contact with pile material when the soil is under a pressure approximating the pressure that will be exerted normally against the sides of the driven pile, and ascertaining the load capacity of the pile for failure in either of two ways, whichever indicates the lesser loading for failure, and which comprise (*a*) taking the product of the average friction strength of the soil and the area of the pile in friction contact with the soil, and (*b*) taking the product of the average shear strength of the soil and the area of any shear surfaces about the pile along which the soil may shear, and adding to the last product the product of the average friction strength of the soil and any areas of the pile along which frictional slippage may occur accompanying said shear at said shear surfaces.

2,296,467
VENTILATED AWNING
James N. Dugan, Cincinnati, Ohio
Application August 15, 1940, Serial No. 352,699
14 Claims. (Cl. 156—15)



2. An awning structure for application to a window opening, comprising a pair of side frame elements, with means thereon for supporting a series of shutters, and a series of movable shutters all of which include means accessible through the window opening for operatively connecting the shutters to said supporting means.

2,296,468
SLIDE FASTENER
John H. Feist, New York, N. Y.
Application January 5, 1942, Serial No. 425,616
15 Claims. (Cl. 24—205)

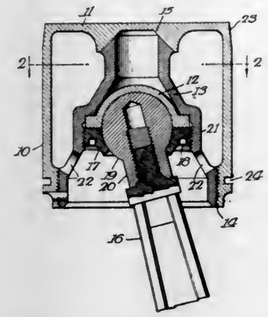


13. A slide fastener comprising: a pair of flexible members; each member including an upper flexible tape, an intermediate elastic strip of water-proof material, and a lower flexible tape, the main body of said elastic strip being attached to said flexible tapes; a series of interlocking fastening elements connected to each of said flexible members along their opposed edges; each interlocking fastening element of each series having an upper plate, an intermediate portion, and a lower plate, said plates and said intermediate portion forming an integral piece; the inner ends of said upper and lower plates being connected to the edges of the upper and lower tapes; the outer ends of said upper and lower plates having means for interlocking engagement with corresponding means of an interlocking fastening element of the other series; said intermediate portions of the fastening elements being inserted into the opposed outer edges of said elastic strips; and a slider on said fastening elements for opening and closing same.

2,296,469
TRUNK PISTON
Edward L. Kastler, Waukegan, Ill., assignor of one-half to Paul S. Mantonya, Chicago, Ill.
Application January 10, 1939, Serial No. 250,197
6 Claims. (Cl. 309—20)

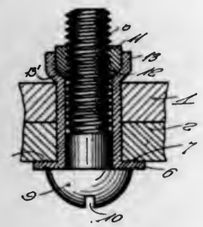
1. In a trunk piston having a chambered body having one end closed and provided on the inner face of such end with a central boss having an annular axially inclined face, a pitman bearing within the chamber, and a carrier for the bearing having threaded engagement with the side walls

of the piston and having an inner end face complementary in form and engageable with the boss



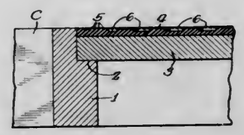
and being out of engagement with the flat portion of the closed end of the piston.

2,296,470
RIVET ASSEMBLY
Warner L. Keehn, Spokane, Wash.
Application September 15, 1941, Serial No. 410,930
1 Claim. (Cl. 85—40)



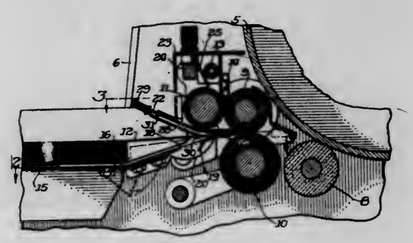
A rivet assembly comprising a tube having continuous unbroken walls and an outstanding circumferential flange at its outer end disposed at substantially right angles thereto, the tube being initially of an even diameter from its flange to its inner end and being of a length adapting it to pass through registering openings in articles to be secured together with the flange bearing against the outer face of one article and the inner end portion of the tube protruding from the other article, a bolt passing through said tube with its head bearing against said flange, said bolt being snugly received in the tube and having its threaded end portion protruding from the inner end of the tube, and an expander nut threaded upon the protruding threaded end portion of the bolt and having a substantially frusto-conical inner end portion, the nut when moved in a tightening direction by turning of the bolt being shifted along the bolt into position for engaging within the protruding inner end portion of the tube and expanding only the protruding end portion of the tube to form a cup-shaped unbroken collar snugly receiving the nut and having its inner end portion formed with an outstanding concentric shoulder fitting snugly about the frusto-conical portion of the nut and cooperating with the flange to hold the articles tightly clamped against each other.

2,296,471
BOWLING ALLEY APPROACH
Robert E. Kennedy, Toronto, Ontario, Canada, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application August 3, 1940, Serial No. 350,367
In Canada July 15, 1940
4 Claims. (Cl. 273—51)



1. A bowling alley approach having a floor area presenting mainly a wood surface with a take-off mat of resilient material constituting a limited portion of the approach area remote from the foul line, said mat having a frictional upper surface set substantially flush with the adjoining surface of the approach.

2,296,472
DUPLICATING APPARATUS
Stephen Kokay, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corportion of West Virginia
Application July 31, 1941, Serial No. 404,827
9 Claims. (Cl. 101—132.5)

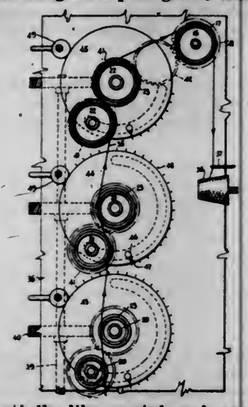


1. In a duplicating machine of the character described having a drum and having means to press a copy sheet against a master copy on said drum, guide means for guiding a copy sheet to said drum, and a wiper associated with said guide means and engaging the copy receiving surface of a copy sheet as it is advanced along the guide means to the drum, said guide means being open directly beneath the wiper whereby lint removed by the wiper will fall through the guide means.

2,296,473
GODET ARRANGEMENT
John J. Krehbiel, Bridgeport, Conn.
Application May 13, 1938, Serial No. 207,821
5 Claims. (Cl. 18—8)

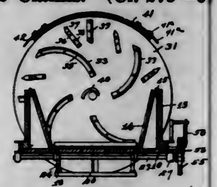
5. In a spinning apparatus, a delivery godet, a pull godet, a guide godet receiving artificial silk from said pull godet and delivering it to said delivery godet, said pull godet being movable around the axis of said guide godet in a plane substantially normal to the axis of the pull godet, so that the angle, at which the silk is delivered

from the pull godet, may be adjusted at will, and gearing rotating said pull godet and guide godet



at substantially like peripheral speeds, but said delivery godet at a lower speed.

2,296,474
DEVICE FOR SPREADING FERTILIZER
Joseph B. Kucera, Traer, Iowa
Application March 24, 1941, Serial No. 384,893
9 Claims. (Cl. 275—6)



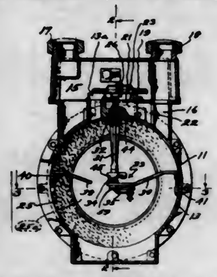
1. A fertilizer distributor, comprising a portable frame, a box carried by said frame, and open at one end, an endless conveyor in the bottom of said box, a single distributor disc mounted adjacent to and closing the open end of said box, means rotatably supporting said disc on said frame to rotate in a transverse plane, the rear face of said disc being provided with claws for engaging material fed to the face of said disc, means for rotating said disc, and means for actuating said conveyor to move material within said box toward and against said disc.

2,296,475
GAS BURNER
Arthur E. Martois, Torrance, Calif.
Application March 11, 1940, Serial No. 323,319
5 Claims. (Cl. 158—106)



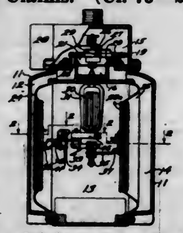
2. In a gas burner comprising a distributor pipe, a riser mounted on the distributor pipe and extending substantially perpendicular to said distributor pipe, said riser having a gas orifice extending upwardly and outwardly therefrom, a mixer mounted on the riser, said mixer having a mixing chamber extending therethrough adjacent the orifice through which a mixture of gas and air is directed upwardly and outwardly relative to the burner, and a flat air baffle plate rotatably mounted on the distributor pipe, said baffle plate extending longitudinally along the distributor pipe and being rotatable about said distributor pipe.

2,296,476
APPARATUS FOR METERING GAS
Arthur S. McIntire, Bridgeport, Conn., assignor to The Sprague Meter Company, Bridgeport, Conn., a corporation of Connecticut
Application July 18, 1938, Serial No. 219,851
42 Claims. (Cl. 73—281)



1. In gas metering apparatus, mechanism for transmitting variable ratios of movement between two diaphragms and a rotary shaft, including diaphragm-connected pitman links, a crank structure rotatable about a fixed axis, a crank pin fixedly carried by said structure, and two crank pin devices respectively engaged by said pitman links and carried by said crank structure in adjustable relation thereto, together with common means constructed and arranged to move both of said crank pin devices relative to said crank structure.

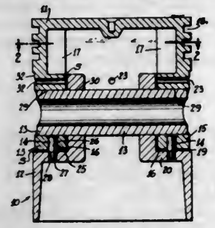
2,296,477
INTER-GEARED MEANS FOR ADJUSTING PLURAL CRANK ARM LENGTHS IN GAS METERS
Arthur S. McIntire, Bridgeport, Conn., assignor to The Sprague Meter Company, Bridgeport, Conn., a corporation of Connecticut
Application April 22, 1941, Serial No. 389,717
18 Claims. (Cl. 73—281)



1. In register driving apparatus for gas meters including a rigid crank structure rotatable about a crank axis and comprising a crank plate held fast to a crank arm by a post eccentric to said axis affording axial space between said plate and arm, the combination with said crank structure of, a collar device within said axial space surrounding said post and shiftable relative thereto;

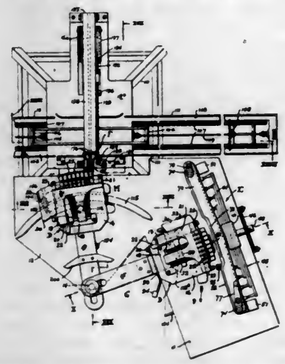
means restricting shifting movement of said collar device to directions toward or away from said crank axis, a crank pin device angularly spaced from said post in the path of rotation of said crank structure adjustably carried by said plate in a manner to project away from said space in a direction parallel to said axis, a push-pull screw having threaded and unthreaded sections one of which sections so operatively engages with said crank structure and the other of which sections so cooperatively engages with said collar device that turning of said screw shifts said collar device toward or away from said crank axis, and connections between said screw and said crank pin device constructed and arranged to convert said turning movement of the former into adjustive movement of the latter relative to said crank structure.

2,296,478
PISTON
William F. Morgan, Chicago, Ill.
Application April 9, 1942, Serial No. 438,251
5 Claims. (Cl. 309—15)



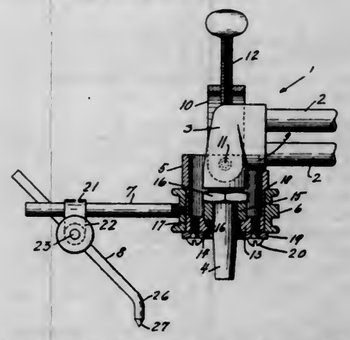
1. A piston comprising a head portion and a skirt portion, the head portion being formed with lug-like extensions, the skirt portion having pockets adapted to receive the latter, and alignment pins arranged in said lug-like extensions and pockets, substantially as and for the purpose set forth.

2,296,479
MACHINE FOR INSERTING SPACERS BETWEEN THE PLATES OF STORAGE BATTERIES
Anthony D. Nichols, San Francisco, Calif.
Application September 27, 1939, Serial No. 296,827
4 Claims. (Cl. 29—84)



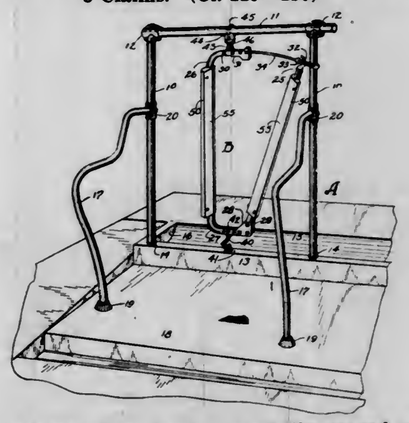
2. An assembly machine comprising a vise for the reception of the assembled positive and negative plates of an electric storage battery, means cooperating with said vise for separating the individual plates of each unit, and a plurality of gripping members on the vise for engaging two opposite edges of each battery plate to secure the plates in their separated position.

2,296,480
ATTACHMENT FOR HAND CUTTING TORCHES
Theodore R. Nicolai, Vallejo, Calif.
Application April 15, 1941, Serial No. 388,605
6 Claims. (Cl. 266—23)



1. A guide attachment for a cutting torch having a conduit, a tip and an elbow connecting the tip to the conduit, the attachment comprising a sleeve adapted to encircle the tip, a yoke strap pivoted to the sleeve and adapted to be engaged over the back of the elbow for holding the attachment in position, a bushing revolvable on the sleeve, means for holding the bushing against axial movement, a rod projecting laterally from the bushing, and a center pin attached to the rod and adapted to guide the tip in a circular path when positioned centrally of said path.

2,296,481
ANTIWING SHOULDER STANCHION
John B. Olson, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a company of Wisconsin
Application February 2, 1940, Serial No. 316,917
5 Claims. (Cl. 119—150)



1. A stanchion having normally spaced and normally vertically positioned side bars, said side bars comprising metal supporting bars and non-metal strips rigidly secured to the inner sides thereof, said non-metal strips having substan-

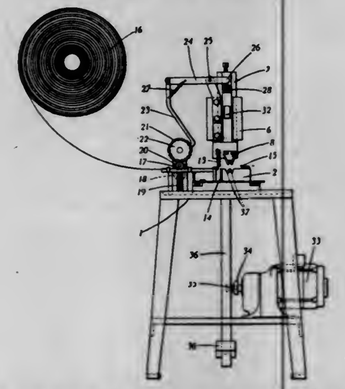
tially flat inner surfaces which diverge rearwardly and having a width and angle to thereby fit the major part of the width of the shoulders of a normal animal.

2,296,482
ELECTRODE HOLDER
Rupert R. Reddick, Oakland, Calif.
Application May 1, 1941, Serial No. 391,431
2 Claims. (Cl. 219—8)



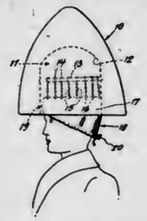
1. In a device of the class described, a pair of elongated jaw members, inwardly extending ears on the intermediate portions of the jaw members pivotally connected together, handle members each of substantially semi-circular shape in cross section, connected with the inner ends of the jaw members, a spring located between the inner ends of the jaw members and moving the outer ends of the jaw members toward each other, the side edges of the handle members being reduced in thickness and the side edges of one handle member overlapping the side edges of the other handle member.

2,296,483
REINFORCING CLIP MACHINE
William Herbert Smith, East Molesey, England
Application July 9, 1940, Serial No. 344,614
In Great Britain July 17, 1939
5 Claims. (Cl. 153—1)



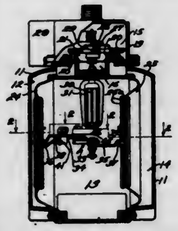
3. A machine for the production of clips for positioning reinforcement in concrete construction, comprising a frame, a fixed die carried by the frame and having a central rounded projection and spaced straight side walls downwardly convergent, a support carried by the frame, a slide guided by and movable in the support, a movable die carried by the slide and including pivoted arms to enter the fixed die, the straight side walls of the fixed die compelling the pivoted arms to force the material into exact conforming contact with the central rounded projection of the fixed die, means for feeding the material to a position on the rounded projection of the fixed die, and adjustable means actuated by and in the upward movement of the slide to compel a predetermined selected operation of the feeding means.

2,296,484
PROTECTIVE APPLIANCE FOR HAIR DRIERS
Melcena Thompson, Livermore, Calif.
Application October 28, 1941, Serial No. 416,849
2 Claims. (Cl. 34—90)



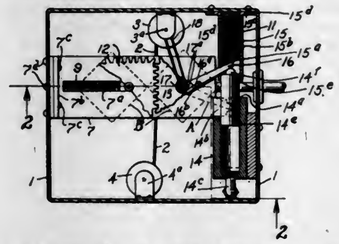
1. A device of the class described comprising a horizontal resilient U-shaped frame, a plurality of spaced chains secured to and suspended from said frame throughout the length of the frame, and an endless cloth band having its upper peripheral edge secured to said chains, said band below the open end of said U frame being of substantially lesser width than at the opposite end of said U, the lower peripheral edge of said band having a tie string thereon.

2,296,485
COMMON MEANS FOR ADJUSTING PLURAL CRANK ARM LENGTHS IN GAS METERS
Fairchild Whitworth, Fairfield, Conn., assignor to The Sprague Meter Company, Bridgeport, Conn., a corporation of Connecticut
Application April 9, 1941, Serial No. 387,649
21 Claims. (Cl. 73—281)



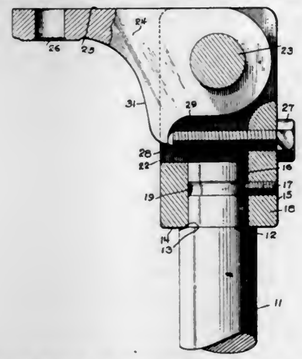
1. In register driving apparatus for gas meters including a rigid crank structure rotatable about a crank axis and comprising a crank plate held fast to a crank arm by a post eccentric to said axis affording axial space between said plate and arm, the combination with said crank structure of, a collar device within said axial space surrounding said post and shiftable relative thereto, means restricting shifting movement of said collar device to directions toward or away from said crank axis, a crank pin device angularly spaced from said post in the arc of rotation of said crank structure adjustably carried by said plate in a manner to project away from said space in a direction parallel to said axis, a push-pull screw having threaded and unthreaded sections one of which sections so operatively engages with said crank structure and the other of which sections so cooperatively engages with said crank pin device that turning of said screw moves said crank pin device adjustively in relation to said plate, and connections between said screw and said collar device constructed and arranged to convert said turning movement of the former into shifting movement of the latter in its said directions.

2,296,486
FILTER
Franklin Zahn, Jr., San Diego, Calif.
Application September 18, 1939, Serial No. 295,409
4 Claims. (Cl. 210—167)



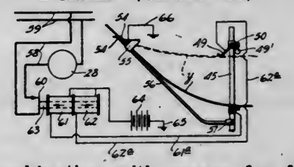
1. In a filter of the class described, the combination of a casing provided with a fluid inlet and a fluid outlet, reels revolubly mounted at opposite sides of said casing, a filter strip mounted on said reels and extending from one reel to the other for transfer from one reel to the other upon rotation of said reels, opposed revoluble intermittently operated filter strip control members having fluid confining flat side portions and pocket portions in said flat side portions on opposite sides of said strip intermediate said rolls with said flat side portions in contact with said filter strip, said fluid inlet having communication with the pocket portion of one of said control members, and the fluid outlet having communication with the pocket portion of the other control member, one of said control members being movable away from said other control member upon rotation of said control members, means for simultaneously rotating said control members and said reels to feed said filter strip from one reel to the other and to place a fresh portion of said strip between the flat side portions and pocket portions of said members.

2,296,487
ENGINE MOUNTING BRACKET
Lawrence W. Alfred, Denver, Colo.
Application August 4, 1942, Serial No. 453,540
3 Claims. (Cl. 248—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



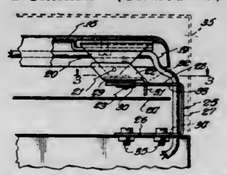
1. In an engine mounting bracket, in combination, a supporting column, a bracket body portion, a vertical pivot inter-connecting the bracket body and the supporting column; together with means to maintain the bracket body in position on said column; a horizontal pivot pin carried by the bracket body, and a motor mounting arm mounted on said pivot pin, the arm including a flat mounting surface and a bolt hole adjacent the outer end of the arm and means to limit the pivotal movement of the arm with respect to the body portion, said means comprising a limiting lug on said arm and a machine screw on said body portion adapted to engage the surface of the limiting lug to adjustably support the mounting arm in any one of a plurality of angular positions with respect to the supporting column.

2,296,488
WINDING DEVICE FOR PUNCHED STRIP STOCK
William M. Anderson, Minneapolis, Minn., assignor to said Anderson and F. J. Kerner, both of Minneapolis, Minn., a co-partnership
Application October 23, 1940, Serial No. 362,374
1 Claim. (Cl. 242—55)



The combination with means for feeding a ribbon-like metal strip, and a receiving reel rotatively mounted at a point distant therefrom and positioned to receive the strip, of an electric motor with connections for rotating said reel, a supply circuit for said motor including a portion of said metallic strip and a master switch, a two-coiled differentially acting magnet for operating said master switch, a supporting post, a lower or cut-in electrical contact adjustably mounted on but insulated from said post, an upper or cut-out electrical contact adjustably mounted on but insulated from said post, an arm pivoted to said post below said metallic strip, a wiper contact carried by the free end of said pivoted arm and maintaining contact with said metallic strip at a point distant from said post, and a divided electric circuit, one branch of which includes one coil of said electro-magnet, said cut-in contact and said wiper contact, the other branch of which circuit includes the other coil of said electro-magnet, said cut-out contact and said wiper contact, the arrangement of said elements being such that the circuit to the first noted coil of said electro-magnet will be closed when, and only when, said metallic strip is engaged with said cut-in contact, and the circuit through the other coil of said electro-magnet will be closed when, and only when, said metallic strip is engaged with said cut-out contact.

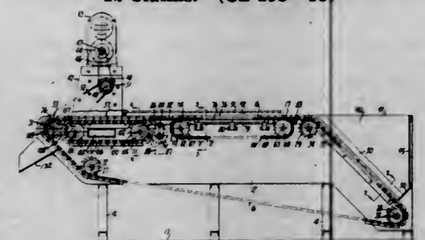
2,296,489
PHONOGRAPH
Edward A. Ash, Detroit, Mich., and Robert H. Larson, Geneva, Ill., assignors to Operadio Manufacturing Co., St. Charles, Ill., a corporation of Illinois
Application August 2, 1940, Serial No. 349,948
4 Claims. (Cl. 274—9)



1. In a phonograph the combination of a rec-

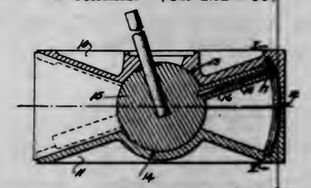
tangular casing, a spindle extending through the top wall of the casing nearer one end than the other with a turntable mounted on the spindle above said top wall to support a disc record, a stylus carrying arm to swing horizontally above the turntable, a bracket comprising a member formed of relatively thin sheet metal secured to the casing with a part of the bracket extending vertically upward from and substantially within the outline of the top surface of the casing and closely adjacent the corner farthest from the spindle and with a portion extending horizontally from the vertically disposed part and toward the spindle in a plane above that of the turntable, together with pivotal means on said horizontally extending portion connecting the stylus arm thereto, the portion of the arm adjacent said pivotal means terminating directly over the top wall of the casing and within the vertical planes of its edges.

2,296,490
FRUIT ORIENTING DEVICE
George W. Ashlock, Jr., Oakland, Calif.
Application May 28, 1941, Serial No. 395,670
12 Claims. (Cl. 198—33)



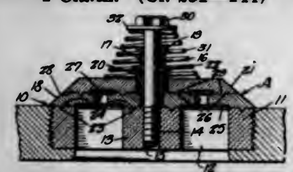
1. A machine for positioning a generally spherical article having at least one face thereon indented but capable of supporting the article stably on a horizontal surface, said machine comprising a first conveyor movable over a path, said conveyor including means providing a series of apertures each adapted to restrain an article against unrestricted horizontal movement, a second conveyor movable over a path to position a wheel beneath each aperture to support an article in said aperture and rotate said supported article about a horizontal axis, means for rotating a positioned wheel about a horizontal axis, and means for vibrating said first conveyor during rotation of said wheel.

2,296,491
MEASURING CHAMBER FOR METERING FLUIDS
Jerome W. Baker and Erle C. Ashley, Memphis, Tenn., assignors to Claude M. McCord, Memphis, Tenn.
Application July 8, 1940, Serial No. 344,364
2 Claims. (Cl. 121—69)



1. In a meter, employing a chamber comprising complementary halves having arcuate walls abutting along a joining surface and grooved transversely to said surface to form an arcuate raceway, and a roller movable along said raceway and guided by the walls thereof; a channel, particularly characterized for correction of unequal wear of the roller on the walls of said raceway, especially at said joint, said channel being integrally formed of thin sheet metal and arcuately curved to conform to the curvature of said raceway, being adapted to be seated as a liner in said groove and to extend across the line of juncture of said halves, said metal thickness being definitely restricted to minimize groove dressing for its reception, and roller size reduction for use therewith, said channel having parallel flanges forming side walls of an auxiliary raceway substantially co-extensive in length with said arcuate raceway, and an integral web maintaining parallelism of said flanges and being especially adapted to prevent deflection of said flanges spanning said points of wear.

2,296,492
LEAKPROOF CHECK OR PUMP VALVE
William E. Begley, Sr., Alton, Ill.
Application May 2, 1940, Serial No. 333,037
1 Claim. (Cl. 251—144)



A valve of the kind described, comprising a ring member including a central perforated hub, an annulus concentric thereto and radial spokes joining the hub and annulus for effecting fluid passages therebetween, superposed separable disks of approximately equal areas and thicknesses disengageably contacting each other, the lowermost of said disks and said ring member having contacting faces, said lowermost disk being provided with through passages opening into recesses in the opposite faces of said lowermost disk, a headed bolt removably fitting the perforation in the hub, sleeves of different lengths on the bolt, telescoping with each other, detachably connected with the disks and constituting runners for the latter, stops on the sleeves for cooperation with the head of the bolt for limiting relative movements of the disks with respect to the ring member, a single spring means seated against the head of the bolt and the uppermost disk, and rigid knife edge ribs on said disks concentrically arranged with respect to each other for interfitting respectively with corresponding grooves in the lower disk and in the ring member, for encirclement of the hub perforation and the said passages in the ring member to avoid leakage about the same, said contacting faces of the disks and the ring member together with the ribs being effective as a positive seal therebetween.

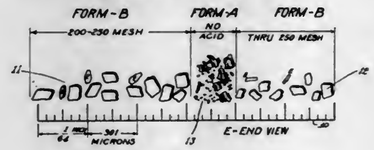
2,296,493
STAPLING MACHINE
Samuel S. Bernstein, Los Angeles, Calif., assignor to B. and F. Corporation, a corporation of California
Application November 15, 1939, Serial No. 304,634
8 Claims. (Cl. 1—49)

1. A stapling device comprising a frame; a bearing block and head means mounted in said frame; a staple driver bar slidably mounted in said block and head means; a handle operatively associated with said bar; means for yieldably holding said bar against movement; and means formed in said stationary combined bearing block



and head means for receiving and supporting a staple in the region of the path of movement of said bar.

2,296,494
MANUFACTURE OF ANHYDROUS DI-CALCIUM PHOSPHATE
Edward Block, Joliet, Ill., assignor to Blockson Chemical Co., Joliet, Ill., a corporation of Illinois
Application September 14, 1939, Serial No. 294,825
9 Claims. (Cl. 23—109)

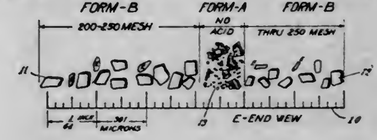


MICROSCOPIC APPEARANCE OF ANHYDROUS DI-CALCIUM PHOSPHATE

1. The method of making anhydrous di-calcium phosphate, which comprises heating particle forms having agglomerated minute crystals of di-calcium phosphate dihydrate in acidified water to a temperature of at least 94° C., whereby in attaining said temperature a dehydration to di-calcium phosphate anhydrate has occurred, and maintaining a temperature of at least 94° C. for a prolonged period of time, wherein the crystal form of the di-calcium phosphate anhydrate attains a condition characterized by integral flat crystals of parallelopiped form having when dry an apparent density of at least 50 lbs. per cu. ft.

2,296,495
MANUFACTURE OF ANHYDROUS MONO-CALCIUM PHOSPHATE
Edward Block, Joliet, Ill., assignor to Blockson Chemical Co., Joliet, Ill., a corporation of Illinois
Application September 14, 1939, Serial No. 294,826
12 Claims. (Cl. 23—109)

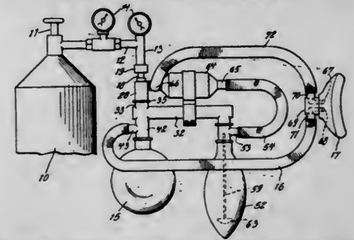
1. The method of making a mono-calcium phosphate anhydrate which comprises rapidly and thoroughly mixing one mole of di-calcium phosphate anhydrate in the form of flat integral parallelopiped crystals having an apparent density of at least 50 lbs. per cut. ft. with from 1 to 1¼ moles of concentrated aqueous phosphoric acid solution of strength from 75% to 90%, said materials being so heated that the temperature of the mix is above a critical tem-



MICROSCOPIC APPEARANCE OF ANHYDROUS DI-CALCIUM PHOSPHATE

perature from 130° C. to 135° C., whereby under said conditions a short time period of fluidity exists permitting said rapid and thorough mixing, followed quickly in succession by plasticity and setting with the liberation of steam.

2,296,496
OXYGEN ADMINISTERING APPARATUS
Aaron W. Bortin, Roslyn, N. Y.
Application January 5, 1942, Serial No. 425,589
3 Claims. (Cl. 128—191)

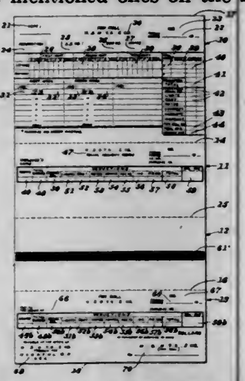


1. A gas administering apparatus adapted to be connected with the outlet of a gas supply tank comprising a T tube having one of the shorter arms thereof secured to said outlet and having a flexible bag secured to the other short arm thereof, the long middle arm of said T tube having an opening at its free end, said long arm having a second flexible bag secured to said opening, a shut-off valve in one end of said T tube and a second shut-off valve in the other end thereof, means on said second valve for opening said second valve upon inflation of said second bag, means joining said valves for closing said first valve simultaneously with the opening of said second valve and vice versa, a housing having an inlet and an outlet and containing a carbon dioxide absorbent substance, a hose connected at one end to said second short tube, a breather mask having an inlet and an outlet, said hose being connected at its other end to said mask inlet, a second hose connected between said mask outlet and said housing inlet, and a third hose connected between said housing outlet and said opening in said free end of said long arm.

2,296,497
PAY ROLL RECORD
Arthur J. Branscom, Houston, Tex.
Application April 2, 1942, Serial No. 437,426
6 Claims. (Cl. 282—12)

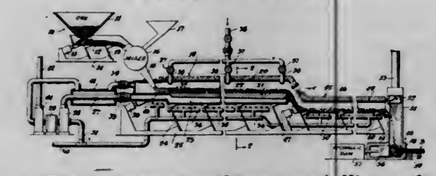
6. A combined payroll record, social security record slip, pay check, and employee's receipt, comprising a vertically elongated sheet divided into a plurality of sections interconnected along horizontal parallel weakened lines extending

transversely of the sheet, the section at the upper end of the sheet having on its front face indicia designating the employee and indicia and appropriately designated spaces for the entry from day to day of the amount of his work and additional indicia and appropriately designated spaces for the entry at the end of a pay period of totals of work, wages earned, deductions for social security, and the like, and net wages due, the section attached to the lower end of the first section, comprising the social security record slip, having printed indicia and appropriately designated spaces on the front face thereof corresponding to the last mentioned ones on the first section,



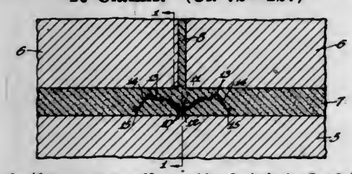
the next section, comprising the employee's receipt, having corresponding printed indicia and appropriately designated spaces arranged upside down on its rear face, and the last section, comprising the pay check, having corresponding printed indicia and appropriately designated spaces on its front face in a manner similar to the social security record slips, whereby when the last three sections are folded in zigzag relation upon each other, with the last section uppermost, the blank spaces are in registry and said totals which are visible to a typist may be copied from the first section and, by manifolding, entered simultaneously in the sections therebelow.

2,296,498
MANUFACTURE OF METAL PRODUCTS
Herman A. Brassert, New York, N. Y., assignor to Minerals and Metals Corporation, New York, N. Y., a corporation of Delaware
Application March 9, 1940, Serial No. 323,076
2 Claims. (Cl. 75—91)



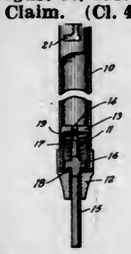
1. The process of making a metallic product, which comprises charging pulverulent raw ore into a closed retort, vibrating the ore at high frequency while in said retort in such manner as to effect both agitation and an advancing movement thereof, simultaneously passing a reducing gas upwardly through the independently agitated charge in a great number of closely spaced individual streams distributed throughout the mass of ore, heating the mixture while so treated with gas and vibrated to effect reduction of the raw ore, admitting a sufficient amount of oxygen to the retort above the charge to sustain combustion of the combustible products of the reaction, discharging the reduced ore from the retort and continuously withdrawing the gaseous products of the reduction and combustion in counterflow relation to the movement of the ore through the retort.

2,296,499
METAL FLASHING STRIP
Carl H. Buetow, St. Paul, Minn.
Application June 17, 1940, Serial No. 340,958
10 Claims. (Cl. 72—127)



1. A through wall vertical joint flashing for masonry walls comprising a sheet of substantially rigid water resistant material having a pair of opposite wall face edges and a pair of through wall edges, and a portion of said sheet having a valley formed therein substantially from one wall face edge to the other, one end of said valley being lower than the other.

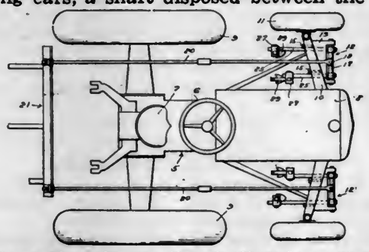
2,296,500
WEED EXTERMINATOR
Harry Cain, Denver, Colo.
Application August 30, 1940, Serial No. 354,847
1 Claim. (Cl. 47—49)



A plant poisoning device comprising: a tubular cane; a cylindrical valve cage pressed into the lower extremity of said cane; a head in the upper extremity of said valve cage provided with a port, the lower extremity of said valve cage being exteriorly threaded; a tip member threaded onto said valve cage and having an axially positioned bearing opening; a plunger extending from said cage through said bearing opening and projecting below said tip member; a valve disc surrounding said plunger within said cage; a valve gasket supported by said tip member at the bottom of said cage to cooperate with said valve disc to seal the cage; a tapered upper extremity on said plunger positioned below said port; a compression spring compressed between the head of the cage and the valve disc to constantly urge the latter against said gasket; and a flattened side on said plunger to provide a fluid passage through the guide bearing.

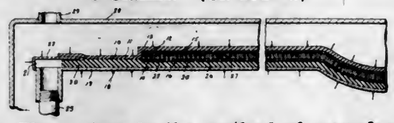
2,296,501
CULTIVATOR APPLIANCE FOR TRACTORS
Clarence J. Carlson, Marshalltown, Iowa
Application July 21, 1941, Serial No. 403,423
1 Claim. (Cl. 97—47)

A cultivator attachment for the front axles of tractors comprising a block having forwardly extending ears, a shaft disposed between the ears,



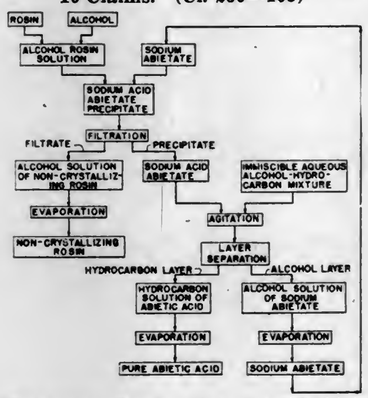
a collar adjustable on the shaft, a bar extending from the collar, and an adjustable cultivator element carried by the bar.

2,296,502
METHOD OF MANUFACTURING FLOOR MATS
Don R. Cotterman, Pontiac, Mich., assignor to Baldwin Rubber Company, Pontiac, Mich., a corporation of Michigan
Application October 16, 1939, Serial No. 299,730
8 Claims. (Cl. 154—2)



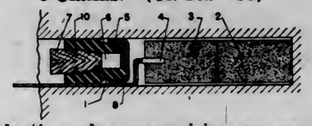
1. Those steps in the method of manufacturing a composite mat which consist in positioning a sheet of carding material on a contoured mold form with the rigid teeth of the carding material extending upwardly, placing a sheet of pile fabric in an inverted position on the rigid teeth of the carding material, positioning a sheet of flexible stock over the contoured form with a portion of the stock extending over the base of the pile fabric in contact with the bottom surface of the said base, applying an adhesive material to one of the adjacent surfaces of the latter sheets, and securing the sheets together by exerting a fluid under pressure on the exposed surface of the flexible sheet of stock in a direction to urge the same toward the contoured form.

2,296,503
PREPARATION OF ABIETIC ACID
Richard F. B. Cox, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application March 27, 1941, Serial No. 385,415
10 Claims. (Cl. 260—105)



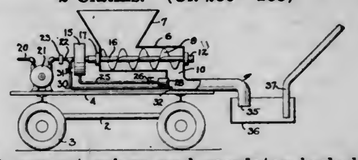
9. The process for forming an acid abietate of an alkali metal which comprises treating rosin with a neutral alkali metal abietate in a reaction medium which is a solvent for rosin but nonsolvent for the acid abietate, and recovering the resulting precipitated acid abietate from the reaction mixture.

2,296,504
BLASTING PLUG
Willard de C. Crater, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application July 8, 1939, Serial No. 283,411
8 Claims. (Cl. 102—30)



2. A blasting plug comprising an expandible, non-metallic, substantially cylindrical member, the anterior portion including a coating of fireproof material and a binding agent.

2,296,505
CEMENT MIXER AND REGULATOR
Kent B. Diehl, Houston, Tex., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application January 9, 1941, Serial No. 373,715
2 Claims. (Cl. 259—165)



1. A cement mixer and regulator including a frame, a screw conveyor thereon, a hopper connected to said conveyor and adapted to receive dry cement to feed to said screw, a discharge conduit from said conveyor, a water connection, a meter therein to measure the flow of water, a water motor operated by the flow of water from said connection, a driving connection from said motor to said screw including, a variable speed clutch to control the rate of movement of said screw, a discharge connection from said motor to said discharge conduit so as to mix the water and cement to a slurry, and a cement meter to record the volume of cement being discharged by said screw.

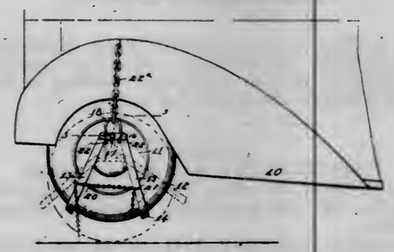
2,296,506
UTILITY RACK
William M. Docker, Kenora, Ontario, Canada
Application September 11, 1941, Serial No. 410,407
In Canada June 19, 1939
5 Claims. (Cl. 211—13)



3. In a device of the class described, a sup-

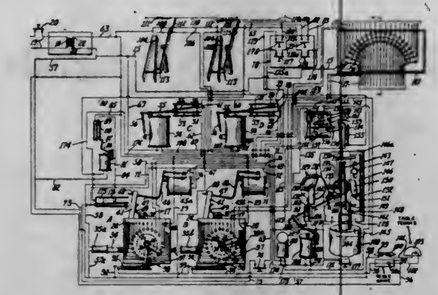
porting plaque, a number of clips mounted on the plaque for holding articles thereon, each clip being made from thin resilient strip material, and having a horizontally concave outline, each clip being adapted to form when mounted on the plaque a flattened-out portion in contacting relation with the surface of the plaque, at the area adjacent to the point of fixation of the clip to the plaque, and a normally outstanding liftable portion at the upper end of the clip, for the purpose of facilitating the mounting of articles on or under the liftable end of said clip.

2,296,507
VEHICLE LIFTING DEVICE
Glen E. Donaldson, Laurens, Iowa
Application November 21, 1941, Serial No. 419,947
1 Claim. (Cl. 294—82)



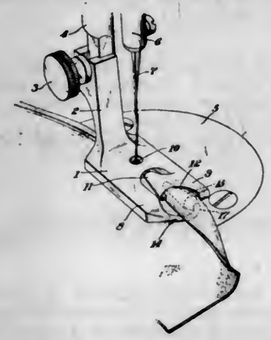
A vehicle lifting device, comprising a top member comprising an upwardly extended loop having its ends extended outwardly, two bars having said ends extended through them, a bolt for holding the bars in adjusted position, two arms having their upper ends extended between said bars and having said loop end portions extended through them to serve as pivotal supports therefor, the lower ends of said arms being shaped to extend downwardly at the outer side of a vehicle wheel and each having at its lower portion a tire engaging member curved to extend under a wheel tire and then upwardly at the inner side thereof, and means for limiting the outward movement of the lower ends of the arms away from each other, comprising a chain attached to the central portion of one of the arms and a hook in the other arm.

2,296,508
GAME SCORING APPARATUS
Albin Frank Eckert, Dayton, Ohio
Application July 15, 1940, Serial No. 345,466
14 Claims. (Cl. 177—384)



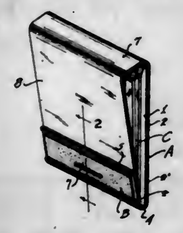
1. In a game scoring apparatus, a plurality of series of score indicating elements, separate means for progressively actuating the indicating elements of the respective series, separately operable means for controlling the operation of the respective actuating means, a signal, and means controlled by the operation of said controlling means for actuating said signal when a predetermined number of score indicating elements of either or both series have been actuated.

2,296,509
SEWING MACHINE HEMMER
John P. Enos, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application October 29, 1940, Serial No. 363,266
4 Claims. (Cl. 112—141)



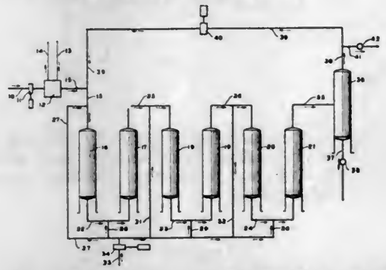
1. A sewing machine hemmer including a base-member, a work-folding scroll secured to said base-member, and an arbor-member also secured to said base-member and disposed in cooperative relation with said scroll, said arbor-member comprising a conical work-controlling head formed with a reversely conical portion terminating in a curved shank fixed to said base-member.

2,296,510
MATCH BOOK
Aaron Fischer, St. Louis County, Mo., assignor, by mesne assignments, to Universal Match Corporation, New York, N. Y., a corporation of Delaware
Application February 26, 1940, Serial No. 320,811
1 Claim. (Cl. 206—29)



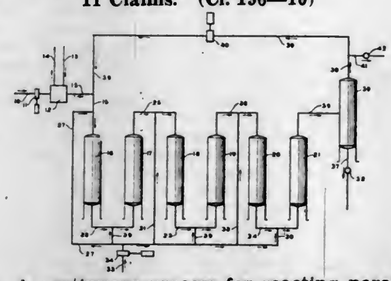
As a new article of manufacture, a matchbook including a plurality of splints and a cover disposed enclosingly around the splints and having an outwardly presented metallized face, the cover further being provided on its outwardly presented face with a non-metallized area, said non-metallized area being provided with a coating of striker material having its outer surface substantially flush with the outer surface of the adjacent metallized areas.

2,296,511
PROCESS FOR PRODUCING PARAFFINIC OILS
Frederick E. Frey, Bartlesville, Okla., Paul V. McKinney, Pittsburgh, Pa., and William H. Wood, Cleveland, Ohio, assignors to Phillips Petroleum Company, a corporation of Delaware
Original application June 27, 1936, Serial No. 87,790. Divided and this application September 5, 1940, Serial No. 355,528
13 Claims. (Cl. 196—10)



1. A continuous process for reacting paraffins of low molecular weight with normally gaseous olefins to produce predominantly paraffinic oils in the motor fuel boiling range and of higher molecular weight, which comprises bringing the paraffins into contact with a polymerization catalyst of the group consisting of aluminum chloride combined with a substantial proportion of an alkali halide and aluminum bromide combined with a substantial proportion of an alkali halide in a reaction zone for a suitable reaction period while maintaining a reaction temperature between 100° and 400° C. and a pressure of at least 100 pounds per square inch, introducing normally gaseous olefins to the reaction zone a plurality of times during the reaction period while maintaining the concentration of added olefin present in the reacting hydrocarbons below 20 per cent, withdrawing the reacted hydrocarbons from the reaction zone and separating therefrom a hydrocarbon fraction containing the predominantly paraffinc oils in the motor fuel boiling range so produced.

2,296,512
PROCESS FOR PRODUCING PARAFFINIC OILS
Frederick E. Frey, Bartlesville, Okla., Paul V. McKinney, Pittsburgh, Pa., and William H. Wood, Cleveland, Ohio, assignors to Phillips Petroleum Company, a corporation of Delaware
Original application June 27, 1936, Serial No. 87,790. Divided and this application September 5, 1940, Serial No. 355,529
11 Claims. (Cl. 196—10)

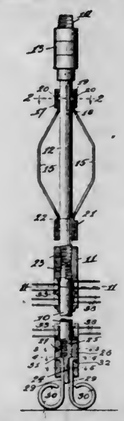


1. A continuous process for reacting paraffins of low molecular weight with normally gaseous olefins to produce predominantly paraffinic oils in the motor fuel boiling range and of higher molecular weight which comprises bringing the paraffins into contact with a polymerization catalyst of the group hydrous alumina and hydrous alumina combined with or deposited on hydrous silica in a reaction zone for a suitable reaction period while maintaining a reaction temperature between 100° and 400° C. and a pressure of at least 100 pounds per square inch, introducing normally gaseous olefins to the reaction zone a plurality of times during the reaction period while maintaining the concentration of added olefin present in the reacting hydrocarbons below 20 per cent, withdrawing the reacted hydrocarbons from the reaction zone and separating therefrom a hydrocarbon fraction containing the predominantly paraffinic oils in the motor fuel boiling range so produced.

2,296,513
PROCESS OF PRODUCING RUBBER FILMS OR DEPOSITS
Eskil Julius Gavatin and Beno Steiger, Stockholm, Sweden
No Drawing. Application January 4, 1941, Serial No. 373,196. In Sweden March 12, 1940
3 Claims. (Cl. 18—58)

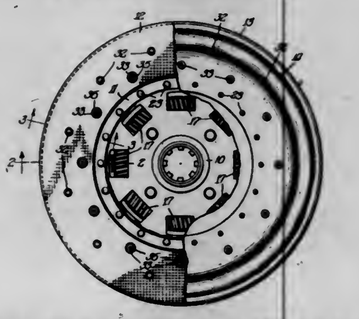
2. A process of producing rubber deposits from latex emulsion comprising the steps of relieving the latex emulsion of enclosed blisters by atomization of a jet of the emulsion by forcing a stream of gas thereon so as to form a cloud of latex particles, at least the majority of the particles having at the most a colloidal size of 0.2 to 5 μ, applying the produced blister-free latex onto a form and then removing the produced deposit from the form.

2,296,514
BRUSH FOR CLEANING PERFORATED CASING
Clair J. Gibson, Los Angeles, Calif.
Application July 15, 1940, Serial No. 345,592
9 Claims. (Cl. 166—18)



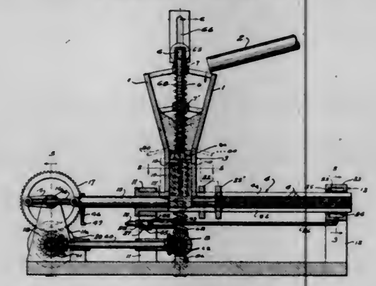
1. In a brush for cleaning perforated lining, casing, and the like, a rod, a series of tubular members mounted on said rod, said tubular members being provided with longitudinally disposed slots and wire bristles having portions encircling said rod and other portions that extend outwardly through the slots in said tubular members.

2,296,515
CLUTCH PLATE
George I. Goodwin, Detroit, Mich.
Application May 18, 1940, Serial No. 336,027
13 Claims. (Cl. 192—107)



1. In a clutch plate, a pair of annular friction facings, and an annular cushioning spring between the facings provided with a plurality of circumferentially continuous concentric annular embossments, which embossments yieldingly space the facings from each other.

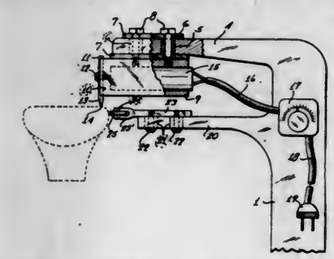
2,296,516
BRIQUETTE PRESS
Worth C. Goss, Seattle, Wash., assignor to William A. Carlisle, Sr., Seattle, Wash.
Application February 24, 1939, Serial No. 258,293
4 Claims. (Cl. 18—5)



1. A briquette press comprising a forming tube, a feed tube opening into the forming tube, means operable to charge the feed tube with a column of comminuted material to be briquetted under air eliminating compression and to advance the charge while compressed progressively into the forming tube, and means operable intermittently to further compress the material as received by the forming tube from the feed tube into briquettes; said feed tube being provided along its length with openings for escape of air as eliminated from material incident to its compression in the feed tube.

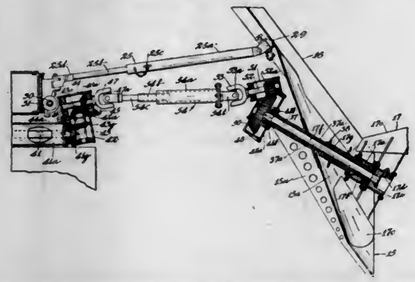
2,296,517
TRIMMING MACHINE
William Fred Green, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application July 14, 1941, Serial No. 402,361
3 Claims. (Cl. 12—1)

1. A machine for meltably producing a line of severance in a meltable protective shoe-covering for enabling the removal of a trim-portion thereof including, in combination, a standard, a lateral arm on the standard, a conducting blade fixed on and having a blunt-end portion depending



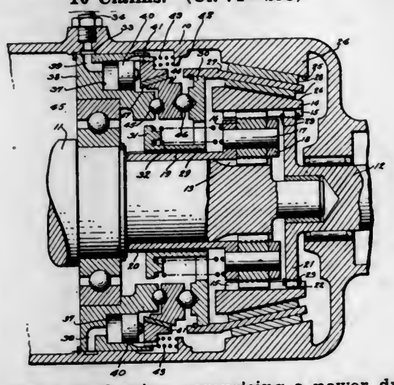
from the arm, means for electrically heating the blade to cover-melting temperature, and means for guiding the shoe in manual shifting thereof in blade engagement.

2,296,518
DRIVING CONNECTION WITH FOCUSING MECHANISM
Edward Russell Greer, Wayzata, and Mather Garland, Mound, Minn.; said Garland assignor to Roto Wing Company, Mound, Minn., a corporation of Minnesota, and said Greer assignor to Imperial Machine Company, Minneapolis, Minn., a corporation of Minnesota
Original application December 13, 1939, Serial No. 308,976. Divided and this application October 19, 1940, Serial No. 361,922
9 Claims. (Cl. 74—385)



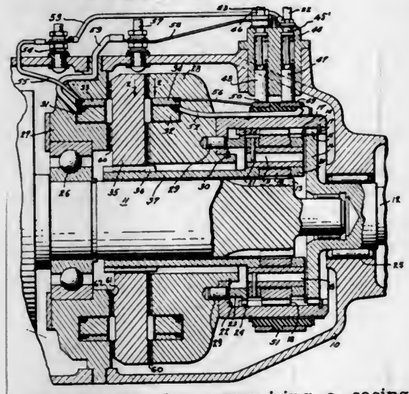
1. The combination with a power supply shaft, a member mounted outwardly of said shaft for wide adjustment relative to the axis of said shaft, and a driven element mounted on said member, driving connections between said power shaft and said driven element comprising, a transmission mechanism connected with said power shaft and including a drive connection element shiftable in position relatively to said power shaft, and transmission mechanism connected with said driven element and mounted on said member and including a drive connection element shiftable in position relatively to said driven element, a longitudinally extensible drive shaft having its ends connected respectively with said first and second drive connection elements each of said transmission mechanisms having a mounting for the parts thereof and a longitudinally extensible focusing member extending between the mountings of said two transmission mechanisms and connected with portions thereof to shift said drive connection elements to maintain the same in efficient relationship to the connected ends of said drive shaft during all adjusted positions of said member.

2,296,519
MOTOR VEHICLE
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 6, 1940, Serial No. 368,812
10 Claims. (Cl. 74—298)



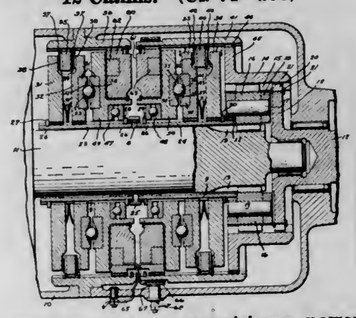
1. Drive mechanism comprising a power drive shaft, a sun gear fixed to rotate with said drive shaft, a driven shaft, a ring gear fixed to rotate with said driven shaft, a carrier freely mounted on said drive shaft, planet pinions rotatably mounted on said carrier and engaging with said sun and ring gears, a stationary element, an axially shiftable member connected to rotate with said carrier, a spring normally holding said shiftable member in position locking said ring gear and said carrier to rotate in unison, servo mechanism operable in response to torque to shift said member into engagement with said stationary element, and fluid pressure means operable to control said servo mechanism.

2,296,520
MOTOR VEHICLE
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 6, 1940, Serial No. 368,813
5 Claims. (Cl. 74—298)



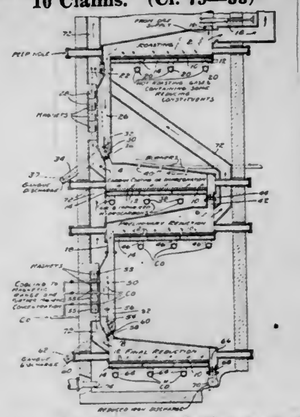
1. Drive mechanism comprising a casing, a power shaft in the casing, a tail shaft in the casing, planetary gearing drivingly connecting said shafts, said gearing including a planet gear carrier sleeve rotatably mounted on the power shaft and a ring gear fixed to the tail shaft, an electromagnet fixed to the casing, an electromagnet fixed to the ring gear, said magnets being spaced and having teeth on their adjacent faces, an armature ring slidably splined on said sleeve between said electromagnets and having teeth on its faces for engaging the teeth of said electromagnets, and means selectively controlling said electromagnets.

2,296,521
MOTOR VEHICLE
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 6, 1940, Serial No. 368,814
12 Claims. (Cl. 74—298)



1. Drive mechanism comprising a power drive shaft, a driven shaft, planetary gearing drivingly connecting said shafts, means shiftable to hold one portion of the planetary gearing to effect reverse drive therethrough, means shiftable to lock two portions of the planetary gearing together to effect direct drive therethrough, servo-mechanism operable to control said shiftable holding means and locking means, and magnetic means for controlling said servo-mechanism to selectively shift said locking means or said holding means into effective position.

2,296,522
PROCESS OF REDUCING METALLIC OXIDES
James C. Hartley, Norwalk, Conn., assignor, by mesne assignments, to Minerals and Metals Corporation, New York, N. Y., a corporation of Delaware
Application June 6, 1940, Serial No. 339,095
10 Claims. (Cl. 75—33)



1. Process of directly reducing a metal oxide

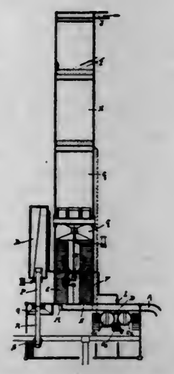
ore which is capable of approximate reduction by means of solid carbon at temperatures below the fusion temperature of the metal or any associated gangue, which consists in pulverizing the ore and effecting a preliminary concentration of the oxide content thereof, bringing carbon in a very finely divided state into intimate association therewith in such manner that it will be carried by the individual particles of the oxide, raising the carbon-treated oxide, in a non-oxidizing atmosphere, to a temperature at which reduction takes place, but below the melting point of the metal and of any still associated gangue, and effecting an approximately complete reduction of the metal, effecting a further removal of the impurities after said partial reduction and then completing the reduction with a fluid reducing agent.

2,296,523

PROCESS FOR THE BIOLOGICAL AND SIMULTANEOUS PURIFICATION OF WASTE LIQUORS AND THEIR SLIMES

René Auguste Henry, Brussels, Belgium

Application September 10, 1935, Serial No. 39,987
In Belgium March 11, 1935
4 Claims. (Cl. 210—2)



1. Process for the purification of sewage, drainage liquors and similar waste liquids and their slimes, comprising dissolving calcium hydrate in water to form a solution, forming a suspension of clay in said solution and then adding to the waste liquid the said suspension of clay, the quantity of clay being determined by the quantity of clay that can be adsorbed by the organic materials, colloids, oils, fats, soaps, coloring agents existing in the waste liquid.

2,296,524

TREATMENT OF FLAX STRAW

Clark C. Heritage, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware

No Drawing. Application December 16, 1938, Serial No. 246,051
6 Claims. (Cl. 19—5)

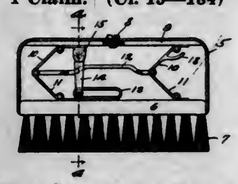
1. The method of treating flax straw which comprises heating flax straw in an environment of wet steam, mechanically rubbing the straw while so heated in said steam to disengage the resulting softened shive and the bast fiber, and separating the fiber from the shive.

2,296,525

POCKET CLOTHES BRUSH

Austin S. Johnson, Chicago, Ill.

Application February 23, 1942, Serial No. 432,090
1 Claim. (Cl. 15—184)



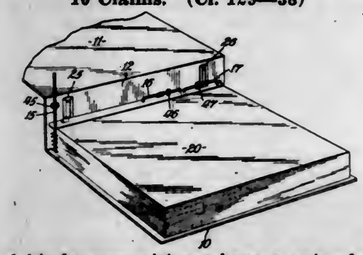
In a brush, a housing having an open edge, a brush head fitted within the open edge of the housing closing the open edge of the housing, pairs of parallel pivoted links connected with the brush head and housing, a bar pivotally connected with the pairs of links whereby the links are moved in unison, an operating arm pivotally mounted within the housing, an elongated eye member secured to the brush head, a lug extending from the arm and being disposed within the eye, one wall of the housing having an arcuate shaped slot formed therein through which the operating arm extends, and said arm adapted to move the brush head and bristles within the housing as the arm is moved through said slot.

2,296,526

LOOSE LEAF BINDER

Joseph Kahn, Chicago, Ill.

Application December 10, 1941, Serial No. 422,347
10 Claims. (Cl. 129—38)



1. A binder comprising a base, a pair of spring posts extending up therefrom, and a plurality of elongated flat spring members having forked ends engaging said posts and adapted to carry bound matter.

2,296,527

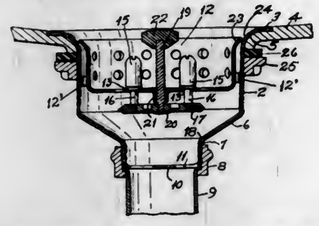
COMBINED STRAINER AND DRAIN VALVE STRUCTURE

Frederick C. Kuhnle, Grand Haven, Mich.

Application December 30, 1940, Serial No. 372,303
4 Claims. (Cl. 4—287)

1. In a combined strainer and drain valve structure comprising a cylindrical housing having an outwardly extending curved flange at its upper end portion and an inward and downward extending conical flange at its lower end portion, the said conical flange having a valve seat therein and a downward extending externally screw threaded thimble, a crumb catching basket having an outwardly curved flange engaging the inner side of the outwardly extending flange of the housing whereby the basket is supported within the aforesaid housing; the said crumb catching basket comprising a perforated receptacle having a plurality of spring members secured to its sides and engaging the inner side

of the housing and a plurality of elongated double key hole like holes extending through its bottom, the said elongated holes having an intermediate portion and extended portions of less width than the intermediate portion, a valve for engaging the aforesaid valve seat, the said valve having pins extending upward through the said elongated holes of the crumb catching basket, and having enlarged end portions of less cross-



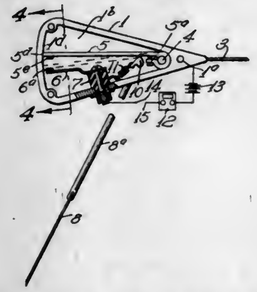
section dimension than the intermediate portion of the said elongated holes and larger than their extended portions, a valve stem secured to the said valve and extending upward through the bottom of the basket for raising and turning the valve for engaging the enlarged portions of the said pins with the sides of the extended portions of the elongated holes of the crumb catching basket, substantially as described.

2,296,528

AIRPLANE STALL INDICATING APPARATUS

Ralph D. Lacoe, San Diego, Calif.

Application May 20, 1940, Serial No. 336,133
7 Claims. (Cl. 200—81)



1. In an airplane stall indicating apparatus of the class described, a casing, a pivoted contact member shiftably positioned in said casing and enclosed thereby, an air vane connected with the axis of said contact member outwardly of said casing, a cam member in said casing arranged to engage said contact member to limit its movement, and a second air vane outwardly of said casing in cooperative relation with said cam member.

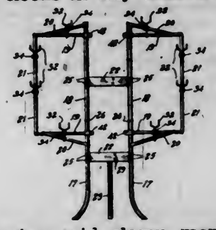
2,296,529

DEMOUNTABLE FLOWER STAND

John D. Lombardi, Denver, Colo.

Application February 3, 1941, Serial No. 377,170
5 Claims. (Cl. 248—197)

1. A sectional standard for forming floral designs comprising: a plurality of tubing sections; means for joining adjacent sections together; clamp members arranged to be clamped at any desired points along said sections; wire flower supporting hooks rotatably supported by said clamp member; and means for simultaneously locking said hooks in any desired rotative posi-



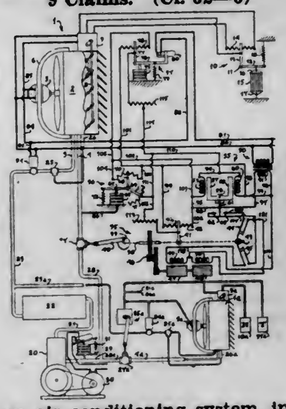
tion and closing said clamp members on said sections.

2,296,530

AIR CONDITIONING SYSTEM

William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application July 16, 1937, Serial No. 154,028
9 Claims. (Cl. 62—6)



1. In an air conditioning system, in combination, an evaporator in heat exchange relationship with air to be conditioned, expansion valve means of the superheat responsive type controlling the admission of refrigerant to the evaporator, means for varying the flow of air in heat exchange relationship with said evaporator, humidity responsive means for controlling said air flow varying means, means for withdrawing gaseous refrigerant from said evaporator, a controller for varying the rate of withdrawal of gaseous refrigerant from said evaporator, means responsive to the condition of the refrigerant in said evaporator for controlling said controller in a manner to maintain such condition constant, and temperature responsive means for adjusting said condition responsive means to vary the evaporator temperature maintained in accordance with changes in temperature.

2,296,531

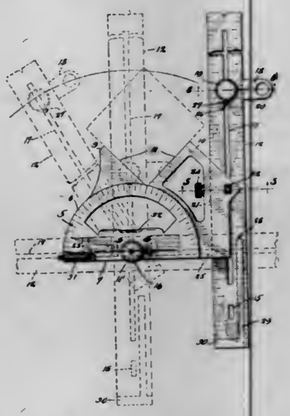
MEASURING INSTRUMENT

Robert T. McQueen, Butler, Tenn.

Application June 3, 1940, Serial No. 338,618
1 Claim. (Cl. 33—75)

A measuring instrument comprising a body portion having a straight edge and a curved edge, the curved edge having a groove formed throughout the length thereof, a measuring arm having a slot formed throughout substantially the entire length thereof, a pivot member extending through

the slot and embedded in the body portion, adapted to pivotally connect the arm to the body portion, a slide operating in the slot at a point between the outer curved surface of the body portion and the free end of the arm, an extension on the slide formed with an opening for the reception of a marking member, a finger on the slide movable in the groove in the curved surface



of the body portion, means on the slide cooperating with the finger for clamping the slide and arm to the body portion, said means embodying a screw and nut, and said screw and nut adapted to hold the slide in various positions of adjustment throughout the length of the arm whereby curved lines defining the arcs of circles, may be made when the arm is pivoted with respect to the body portion.

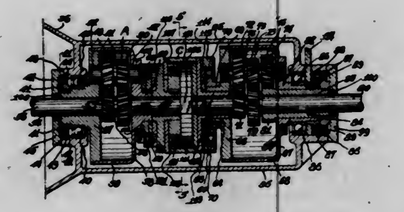
2,296,532

TORQUE-CONTROLLED TRANSMISSION

Charles H. Mekeel, Jr., Reading, Pa.

Application December 19, 1939, Serial No. 309,965

32 Claims. (Cl. 74—259)



1. In a torque-operated change speed mechanism, two change speed units terminating each in a shaft and a flange, the flanges facing each other, cams and connections adapted to lock each of the shafts selectively to the flange of its unit, causing direct drive through that unit, when locked, and torque-operated, step-by-step ratchet and latch lost motion connections between the cams whereby the cams move relatively to effect a sequence of locking and unlocking operations between the shafts and the respective flanges of their units, the sequence being determined by the cams.

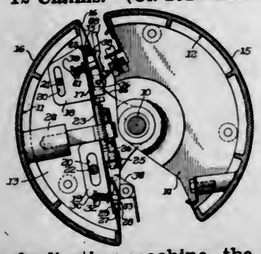
2,296,533

FLEXIBLE PLATE MOUNTING MEANS FOR DUPLICATING MACHINES

Morris P. Neal, Quincy, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Original application April 7, 1939, Serial No. 266,518. Divided and this application October 25, 1941, Serial No. 416,541

12 Claims. (Cl. 101—415.1)



1. In a duplicating machine, the combination of a drum rotatably mounted in position, a plate movably mounted in said drum transversely thereof, means carried by said plate for releasably attaching thereto one end of a master sheet wrapped at least partially about said drum, other means carried by said plate for attaching the opposite end of said master sheet releasably thereto, and means for adjusting said plate with respect to the drum for changing the position of the master sheet circumferentially of the drum.

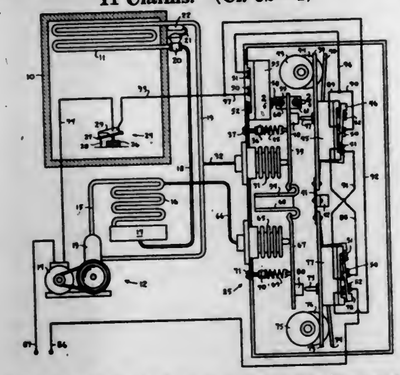
2,296,534

REFRIGERATION CONTROL SYSTEM

Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application January 25, 1940, Serial No. 315,504

11 Claims. (Cl. 62—4)



1. In a refrigerating apparatus having an evaporator for controlling the condition of a medium, a compressor for circulating refrigerant through the evaporator and an electric motor for operating the compressor, in combination therewith, a first switch, means responsive to a condition of the medium being controlled indicative of a need for compressor operation for opening and closing the first switch, a second switch, means responsive to suction pressure for closing the second switch when the suction pressure increases to a predetermined high value, a third switch, means responsive to suction pressure for opening the third switch when the suction pressure decreases to a predetermined low value, a fourth switch, means operative as an incident to operation of the compressor for closing the fourth switch, a starting load circuit through the electric compressor motor including the first, second and third switches and the electric compressor motor in series, and a maintaining load circuit through the electric compressor motor including the first, third and fourth switches and the electric compressor motor in series.

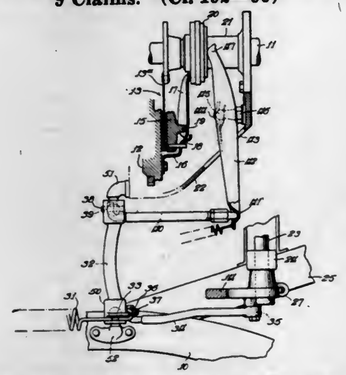
2,296,535

CLUTCH OPERATING MECHANISM

Harold Nutt, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application January 26, 1940, Serial No. 315,696

9 Claims. (Cl. 192—99)



1. Mechanism for operating a friction clutch of a vehicle having a frame and a power plant and transmission unit of which the clutch forms a part, comprising a spring, external of the clutch, for providing clutch engaging force, a manually controlled device for releasing the clutch against the action of said spring, and a transverse rock shaft having universally pivotal connections at its respective ends with the frame and said unit respectively, said rock shaft having lever arms at its respective ends connected respectively to said spring, said releasing device, and the clutch, the arm to which said spring is connected being arranged so that its effective leverage decreases during clutch release.

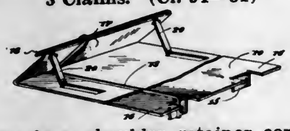
2,296,536

ROADWAY SHOULDER RETAINER

Ernest E. Nyvall, Seattle, Wash.

Application February 3, 1941, Serial No. 377,250

3 Claims. (Cl. 94—31)



1. A roadway shoulder retainer comprising a relatively flat body having substantially horizontally extending anchoring tongues along one edge and right-angularly extending anchoring tongues arranged between the horizontally extending anchoring tongues, the outer edge of the body being upturned and rearwardly inclined to provide a flare board adapted to extend substantially flush with the edge of the embankment of the roadbed, the outer edge of the flare board being outwardly rolled to provide a reinforcing means and to constitute an abutment against which the road surface may rest whereby the road surface may be extended to the very edge of the embankment, reinforcing tongues carried by the body and being upwardly and outwardly inclined, said flare board having tongue-receiving means for receiving said reinforcing tongues, and means carried by the last mentioned tongues for locking the last mentioned tongues in engagement with said tongue receiving means.

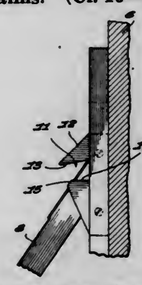
2,296,537

WINDOW SCREEN HANGER SET

Claude D. Peake, Seagraves, Tex.

Application January 30, 1941, Serial No. 376,695

2 Claims. (Cl. 16—171)



1. A device of the class described comprising relatively stationary and movable members, one of which constitutes a hanger for attachment to a window casing and is provided with a substantially dovetailed seating recess having its upper wall upwardly and rearwardly inclined in a straight line throughout its entire length and the outer end of its lower wall cut away to form a guide inclined in the direction of said recess, the other member being adapted for attachment to a window screen and being provided with a hinge lug of a height slightly greater than the width of the entrance of the seating recess and adapted to engage said guide for directing the lug within said seating recess.

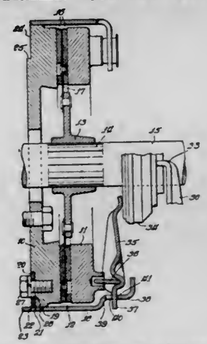
2,296,538

FRICTION CLUTCH

Harold V. Reed, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application March 17, 1941, Serial No. 383,767

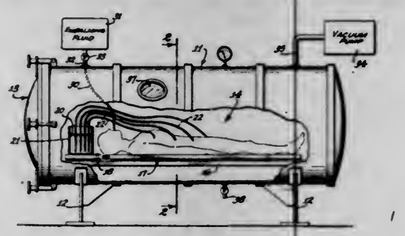
6 Claims. (Cl. 192—68)



1. In a friction clutch, a driven element, a pressure plate and flywheel arranged to engage said element between them, a reaction member

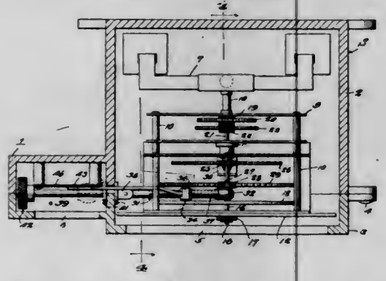
having a sleeve portion encircling the flywheel and fitted on the periphery thereof, said sleeve portion having slotted regions projecting forwardly of the flywheel, and securing elements detachably attached to the forward side of the flywheel and having fingers projecting into the slots of said slotted region for securing the reaction member on the flywheel.

2,296,539
EMBALMING PROCESS
Anthony J. Salle, Los Angeles, Calif.
Application February 18, 1941, Serial No. 379,393
7 Claims. (Cl. 27—22)



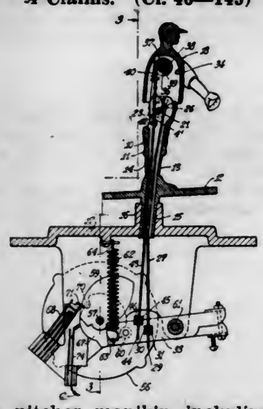
1. The process of embalming a body which comprises subjecting the body generally to a vacuum and simultaneously directly subjecting the interior of certain cavities thereof to a vacuum, introducing embalming fluid into the esophagus, lungs and stomach while maintaining said body under a vacuum, and subsequently returning said body to normal atmospheric pressure and simultaneously injecting embalming fluid into said certain cavities.

2,296,540
FUEL METERING DEVICE
Godfrey P. Schurz, Portland, Oreg.
Application May 5, 1939, Serial No. 272,018
3 Claims. (Cl. 73—198)



1. In a metering and gaging device for fluid fuel burners, a supply indicator comprising rotary driving and driven parts, means for rotating the driving part consonantly with a fuel-supplying means, a fixed guide, a friction wheel engaging the driving and driven parts and shiftable along the guide, toward and away from the center of rotation of the driving and driven parts, a rider shiftable along the guide and engaged with the wheel, to move it along the guide, means under the control of an operator for shifting the rider along the guide, and an index operated by the rider and showing the position of the wheel relatively to the center of rotation of the driving and driven parts.

2,296,541
PITCHER MANIKIN
Clarence A. Schuyler, Chicago, Ill., assignor to H. C. Evans & Co., Inc., Chicago, Ill., a corporation of Illinois
Application October 8, 1941, Serial No. 414,060
4 Claims. (Cl. 46—145)

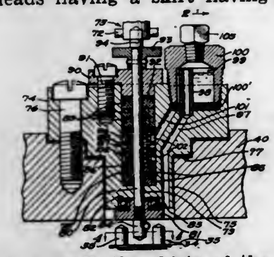


1. In a pitcher manikin including a hollow body bendable at the hip and having a fixed nether portion and a mounting plate carrying said nether portion and supporting a drive means on the under side thereof, said nether portion having one leg portion in the form of a tubular member communicating with said hollow body and the under side of said mounting plate, together with a trunk portion arranged on said nether portion for rotatable movement with respect thereto, the combination of a horizontal shaft arranged on said nether portion, said shaft having operative connection with said trunk portion for imparting rotative movement thereto, a disc arranged on said shaft, a pin arranged on said disc eccentrically of said shaft, means extending downwardly through said tubular member for connecting said eccentrically arranged pin with said drive means, a second shaft horizontally arranged at the shoulder line of said trunk portion for rotative movement with respect thereto, a pitcher arm connected to said second shaft and adapted to swing from ball-pitched position to ball pitching position, spring means on said last-named shaft and normally urging the latter and said pitcher arm into ball-pitched position, pulley means fixed on said second shaft, a flexible element having one end portion trained over said pulley a length greater than one-half the circumference of the pulley, the opposite end of said flexible element extending over said first-named shaft, a connecting rod arranged in said tubular member for vertical movement and connecting said flexible element with said drive means to rotate said second shaft and said pitcher arm into ball pitching position against the action of said spring means.

2,296,542
SPINDLE PACKING FOR METERS AND THE LIKE
William E. Steen, Pasadena, Calif., assignor to Smith Meter Company, Los Angeles, Calif., a corporation of California
Application August 1, 1940, Serial No. 349,367
2 Claims. (Cl. 286—9)

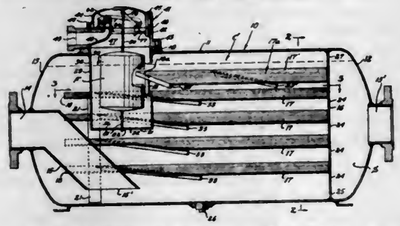
1. In a device for packing off a spindle which extends through and has bearing within a wall defining one side of a space containing fluid

under pressure, a pair of compressible packing rings at longitudinally spaced points along the spindle and within a wall-bore through which the spindle extends, stops on the wall at the outer ends of the rings, a longitudinally extensible piston within the bore and engaging the inner ends of the rings, said piston including a pair of heads capable of relative axial movement, each of said heads having a skirt having sliding fit



with the bore wall, the skirts of the two heads being in end-to-end opposition, there being a duct in the wall opening to said bore, each of the piston skirts having a plurality of holes adapted selectively to register with the duct upon rotation or relative axial movement of the heads, and means whereby actuating fluid may be introduced to said duct with varying pressure depending upon the pressure of the fluid in said space.

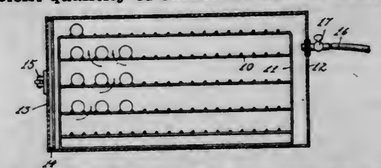
2,296,543
DEAERATOR
William E. Steen and Harry G. Smith, Pasadena, Calif., assignors to Smith Meter Company, Los Angeles, Calif., a corporation of California
Application August 3, 1940, Serial No. 350,910
8 Claims. (Cl. 183—2.5)



1. In a de-aerator for liquid flow lines, a housing, a header plate extending across the housing and spaced from one end wall thereof, there being a fluid inlet opening to the space between end wall and header, a plurality of vertically spaced separator plates extending substantially horizontally from said header toward the other end of the housing, there being apertures through the header immediately below each separator plate, the side edges of the separator plates being spaced from the side wall of the housing whereby air or vapor bubbles may pass between the side wall and edges to the top of the housing, means for exhausting the air or vapor from the top of the housing, and there being a fluid outlet near the other end of the housing.

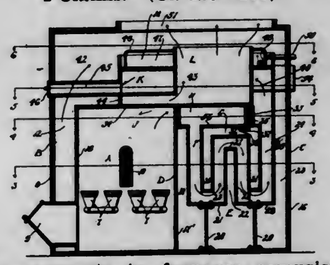
2,296,544
METHOD FOR THE MAINTENANCE OF THE QUALITY OF INFERTILE EGGS WHEN SUBJECTED TO HEAT
George Franklin Stewart, Ames, Iowa, assignor to Iowa State College Research Foundation, Ames, Iowa, a corporation of Iowa
Application May 11, 1940, Serial No. 334,669
1 Claim. (Cl. 119—35)

The method of maintaining the edible qualities of infertile eggs when subjected to incubating temperatures, which consists in placing both fertile and infertile eggs in a substantially air-tight container, introducing into the container a sufficient quantity of carbon-dioxide to bring the



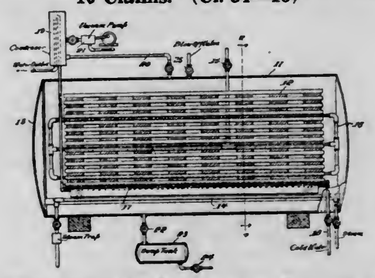
pH of the egg-white below 8.2, the amount of said carbon-dioxide not exceeding 15% by volume of the air in the container, then incubating the eggs in this air until the embryos of the fertile eggs have developed enough so that fertile eggs can be distinguished from infertile eggs.

2,296,545
FURNACE
George A. Tichbourne, Port Arthur, Ontario, Canada
Application October 21, 1939, Serial No. 300,625
4 Claims. (Cl. 126—108)



1. Improvements in furnaces comprising in combination, a firebox, a jacket surrounding said firebox, a fire-path at one side of said fire-box of serpentine vertical cross-sectional configuration and a transverse perimetrically enclosed passage of U-shaped cross-section in the plane of, and at one side of said firebox communicating at the sides thereof with air jacket, said passage bounding at least a portion of said fire-path.

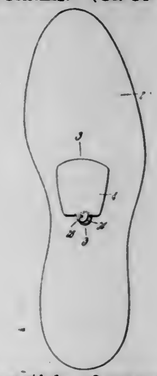
2,296,546
METHOD OF ARTIFICIALLY SEASONING LUMBER
Willard Toney, Crossett, Ark., assignor to Crossett Lumber Company, Crossett, Ark., a corporation of Arkansas
Application March 15, 1941, Serial No. 383,638
10 Claims. (Cl. 34—15)



1. The method of seasoning lumber which comprises stacking in charges and subjecting

each charge to live steam under low pressure insufficient to remove the resinous constituents and injure the wood for a length of time sufficient to heat and soften the wood followed by reducing the pressure to vaporize internal constituents of the wood at a higher temperature than that corresponding to the steam at the reduced pressure, the temperature ranging from above to below that of boiling water at atmospheric pressure, until at least 20% of the vaporizable constituents have been expelled, removing the vaporized constituents of the wood and surface moisture to partially dry the same, and subjecting the heated charge to combined heat and moisture in a circulating atmosphere of controlled humidity and temperature in successive stages of decreasing humidity and increasing temperature for periods of time sufficient to vaporize successive decreasing increments of internal moisture whereby substantially 60% more of the originally vaporizable constituents of the charge are vaporized and expelled, the entire series of treatments being carried out as a continuous process and completed in not more than 30 hours for lumber not over one inch in thickness.

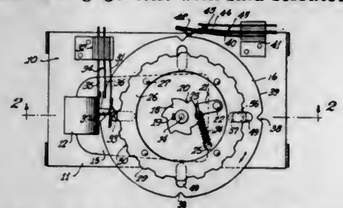
2,296,547
FOOTWEAR
Eugene B. Ward, West Springfield, Mass.
Application June 12, 1941, Serial No. 397,770
3 Claims. (Cl. 36—71)



1. As a new article of manufacture, a device for supporting the metatarsal arch region of the foot comprising in combination, a flexible support member, a receptacle member associated with said flexible member having an open side at one side of the member, a retaining member rotatable in said receptacle, a plate member at said one side of the flexible member, and pivotal connecting means associated with said plate member and retaining member.

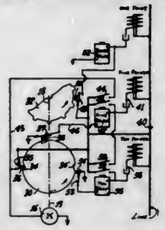
2,296,548
UNIVERSAL IMPULSE UNIT
Harry E. Williams and Lyndon A. Durant, Chicago, Ill.
Application March 3, 1941, Serial No. 381,456
5 Claims. (Cl. 177—380)

1. In an impulse control, a frame, a motor on said frame, a driven disc means, means for connecting said disc with said motor for driving operation by the latter, brake means including a reciprocable member, means for urging the latter into engagement with said disc, said disc having a serrated edge portion, switch means arranged to engage said edge portion and adapted to assume open and closed condition intermittently by reason of engagement with said serrated edge



portion, and means for affecting said brake means for withdrawing said reciprocable member out of latching engagement with the disc and simultaneously effecting operation of said motor.

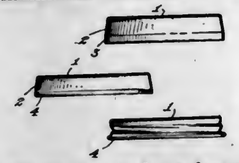
2,296,549
IMPULSE CONTROL
Harry E. Williams and Lyndon A. Durant, Chicago, Ill.
Application April 21, 1941, Serial No. 389,504
1 Claim. (Cl. 172—239)



In an impulse unit, a body, motor means on said body, a rotatable shaft, a train of gears for driving said shaft, coupling means in said motor and normally disposed out of engagement with said train of gears and adapted, when said motor means is energized, to drivingly engage said train of gears, motor control means comprising a disc rotatable with said shaft and having diametrically opposed notch formations in its peripheral edge, a plurality of switch members adapted to assume circuit breaking condition when disposed in engagement with one of said notches and adapted to assume circuit completing condition when engaging the periphery of said disc, said plurality of switches consisting of a motor switch arranged on said body and normally disposed in engagement with one of said notches, a starting switch arranged on said body to normally engage the periphery of said disc midway of said notches and an auxiliary switch arranged on the body to normally engage said peripheral edge of the disc such as to maintain the auxiliary switch closed until after said starting switch has been effected by one of said notches, means connected in circuit through said starting switch for initially energizing said motor for rotating said disc a circumferential distance between the notches, and a relay operatively connected in circuit through said auxiliary switch and adapted to effect operation of said last named means.

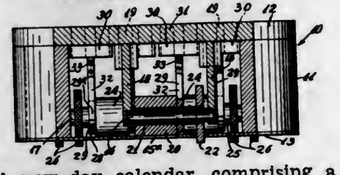
2,296,550
METHOD OF MANUFACTURING CONTAINER CLOSURES
John J. Williams, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application December 5, 1938, Serial No. 244,128
1 Claim. (Cl. 113—121)

The method of manufacturing metallic closures which includes the steps of drawing a blank with a skirt portion outwardly inclined from its base and followed by a cylindrical skirt portion, curling the cylindrical skirt portion inwardly to form an incurled bead of an inner diameter greater than the maximum inner diameter of the con-



tainer engaging threads subsequently to be formed, and changing the outwardly inclined skirt portion to a substantially cylindrical skirt portion without substantially changing the position of the incurled bead and simultaneously forming container engaging threads in this skirt portion.

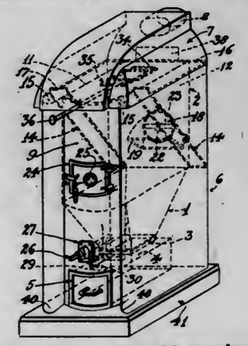
2,296,551
CALENDAR
Hilario V. Ylio, Brooklyn, N. Y.
Application January 16, 1941, Serial No. 374,648
3 Claims. (Cl. 40—112)



1. A new day calendar, comprising a casing having spaced front and rear walls, horizontally spaced brackets mounted on the inside face of said rear wall and projected into the vicinity of the inside face of said front wall, a tubular shaft, a drum fixedly mounted on one end of said shaft and provided on its periphery with printed matter viewable through a window opening formed in the front wall of said casing, a wheel mounted on the other end of said shaft and aligned with another opening formed in said front wall by which said shaft may be turned to likewise turn said drum, and a rod fixedly mounted between the front ends of said brackets, and said tubular shaft being rotatively supported on said rod between said brackets permitting rotation thereof, said wheel being free upon the end of said tubular shaft and having a flat side projected into its respective opening and flush with the face of said front wall forming a flat front wall on said casing free of projecting portions, and means for locking said wheel to its shaft when turned in one direction to simultaneously turn said shaft and drum, whereby when said wheel is turned in the opposite direction it rotates independently of said shaft and drum so that its flat side may be aligned with its respective opening regardless of the position in which said shaft and drum is located.

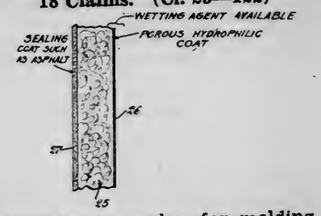
2,296,552
HEATING STOVE AND THE LIKE
Alexander F. Zerin, Pittsburgh, Pa.
Application October 25, 1940, Serial No. 362,712
2 Claims. (Cl. 126—74)

2. In a stove and the like, a fire-pot; a grate therefor; a combustion-chamber positioned on the fire-pot in direct connection therewith; a normally closed top for the combustion-chamber; a casing enclosing said fire-pot and combustion-chamber, said casing being in direct contact relation with the front and rear of the combustion-chamber and in spaced relation with the lateral sides thereof; a smoke-dome on the combustion-chamber and normally disconnected therefrom; adjustable means operable from without the smoke-dome to directly connect same with the combustion-chamber; an adjustable air inlet for and above the fire-pot; a smoke outlet for the



smoke-dome, the top of said combustion-chamber having openings in direct communication with the spaces intermediate the lateral sides of said combustion-chamber and casing, and inclined baffles positioned in said spaces to direct gases of combustion through said openings into the smoke-dome at points substantially farthest from the smoke-outlet.

2,296,553
LINER FOR CEMENT AND CONCRETE FORMS
Clark C. Heritage, Cloquet, Minn., and W. Bartlett Jones, Chicago, Ill., assignors to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware
Application May 2, 1940, Serial No. 332,984
18 Claims. (Cl. 25—122)

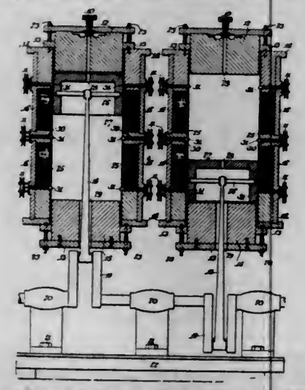


1. A mold-form member for molding poured hydraulic-setting mixes of concrete and the like, comprising a water-absorptive artificial board of felted fiber, a hydrophilic coat on said board discontinuous in extent and providing inter-connected coatings on surface fibers with pores from the interior of the board opening through the coated fibers, said coat serving to prevent bonding of the fibers to the set hydraulic material, and a wetting agent available at the surface of the board, said agent being active upon contact with the poured mix to facilitate the rapid entry of entrapped air from the mix into said board through said coat.

2,296,554
SELF-TIMING PISTON ELECTRIC ENGINE
Alva K. Hinchman, Bryn Mawr, Pa.
Application August 13, 1940, Serial No. 352,423
4 Claims. (Cl. 172—126)

3. A multicylinder motor including primary

and secondary coils in opposite ends of each cylinder, a crankshaft, pistons in the cylinders connected with the crankshaft, a distributor on said crankshaft having a rotor, two distributor brushes for each cylinder, relay timers on the cylinders located in the upper, intermediate and lower parts thereof, the lower coil of each cylinder being electrically connected with the lower



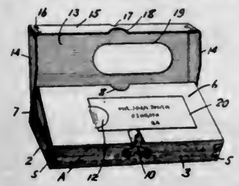
timers and an intermediate timer of the same cylinder and the upper coil of each cylinder being electrically connected with the upper timers and another intermediate timer of the same cylinder, each of said timers also electrically connected with the distributor brushes, and means on said relay timers projecting into the path of travel of the pistons to be engaged thereby for closing the relay timers.

2,296,555
PROCESS FOR THE PRODUCTION OF SYNTHETIC POLYAMIDES
Emil Hubert, Dessau-Ziebigk, and Hermann Ludewig, Jessnitz, Anhalt, Germany; vested in the Alien Property Custodian
No Drawing. Application May 14, 1940, Serial No. 335,120. In Germany May 30, 1939
6 Claims. (Cl. 260—78)

1. A process for preparing highly condensed polyamides which comprises heating at polymerizing temperature a reaction mixture consisting essentially of equimolecular proportions of dicarboxylic acid and diamine, said dicarboxylic acid being in substantial amount a naphthalene dicarboxylic acid and said diamine being an aliphatic α-ω-diamine in which the nitrogen atoms carry at least one free hydrogen atom and are separated by a chain of atoms containing at least two carbon atoms.

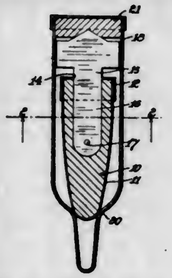
2,296,556
MAILING PACKAGE
Malcolm P. Junkin, Lansdowne, Pa., assignor to Louis Wolf, Elkins Park, Elias Wolf, Dresher, Howard A. Wolf, Jenkintown, and Walter L. Wolf, Rydal, Pa., copartners, doing business as National Metal Edge Box Company, Philadelphia, Pa.
Application December 26, 1940, Serial No. 371,751
2 Claims. (Cl. 229—6)

1. A package formed by folding from a single creased blank comprising a body portion having front, back and end walls and a bottom, corner fastening means for securing adjacent ends of said walls together, an under cover member extending from one of the walls of the body, flanges depending from the opposite free edges of the under cover, the under cover and flanges being so proportioned that said flanges will fit within the body when the under cover is closed, an ear formed for the reception of an address card in the body of said under cover by slitting, an outer cover member extending from the wall of the body opposite to that from which the



under cover extends, flanges depending from the free edges of the outer cover and corner fastening means for securing adjacent ends of said flanges together, said outer cover and flanges being so proportioned that said flanges will fit without the body when said outer cover is closed, said outer cover being provided with an elongated aperture revealing a portion of said under cover adjacent to said ear when said covers are closed.

2,296,557
SUPPOSITORY
Stefan Klinghoffer, Buenos Aires, Argentina
Application July 30, 1941, Serial No. 404,576
5 Claims. (Cl. 128—1.1)

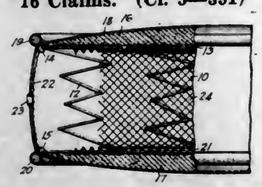


1. A suppository comprising a radon carrying body of a pasty medicinal material, a casing for said body, a removable radioactive stabilizer having a head portion protruding from said body and a lower portion in said body for carrying a radon producing material, an open end container enclosing said casing and the head portion of said stabilizer, said container having a reduced end portion supporting said casing and a closure member for closing the open end of said container.

2,296,558
LIQUID FUEL FOR INTERNAL COMBUSTION ENGINES
Vaman R. Kokatnur, New York, N. Y., assignor to Autoxygen, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 20, 1938, Serial No. 230,815
11 Claims. (Cl. 44—57)

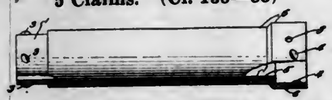
7. A liquid fuel suitable for internal combustion engines, particularly of the Diesel type, comprising an organic combustible material of high flash and high boiling point and a true peroxidic compound of fatty acids containing at least 10 carbon atoms, which is soluble in the said oil.

2,296,559
SPRING EDGE MATTRESS OR CUSHION
Abraham Krakauer, Brooklyn, N. Y., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York
Application June 27, 1938, Serial No. 215,971
16 Claims. (Cl. 5—351)



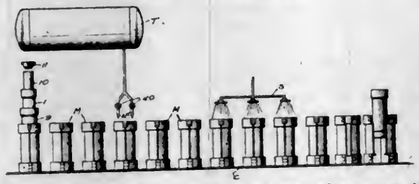
1. In a spring structure provided with a series of coil springs having enlarged end coils and with metallic means for securing the end coils of the springs in place in the structure, side and end walls on the structure comprising a strip of woven wire mesh fabric having a width of substantially the height of the structure and consisting of a plurality of resilient interwoven wires each having spaced rounded bends therein at the edges of the strip said wires being substantially straight between the adjacent bends thereof, and means securing the rounded bends of the strip to the peripheral edges of the structure, said means passing through the strip.

2,296,560
BELL AND SPIGOT ASPHALT STEEL CORE PIPE
John K. MacKinnon, Mount Pleasant, Tex., assignor to Talco Asphalt & Refining Company, Mount Pleasant, Tex.
Application March 19, 1941, Serial No. 384,178
5 Claims. (Cl. 138—85)



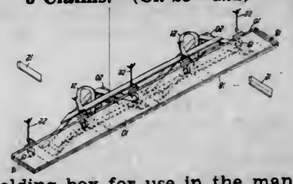
1. Composite pipe comprising a metal pipe core having inner and outer pipe sections of substantial thickness, of non-metallic, non-rigid fusible material adhering to the inner and outer surfaces of the metal pipe to form a unitary structure, said pipe and opposite complementary end portions adapted to co-mate with those of a similar section, with means in one of said end portions for admitting fused non-metallic, non-rigid material into fusing relation with the adjacent end portions of similar material of the pipe structure.

2,296,561
METHOD FOR MAKING COMPOSITE PIPE STRUCTURES
John K. MacKinnon, Mount Pleasant, Tex., assignor to Talco Asphalt & Refining Company, Mount Pleasant, Tex.
Application September 29, 1941, Serial No. 412,909
1 Claim. (Cl. 25—154)



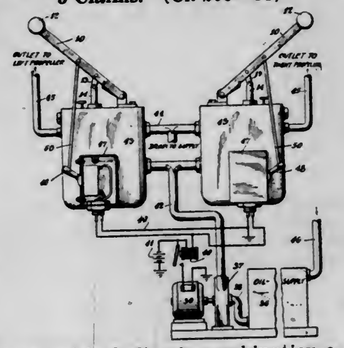
The method of coating a metal pipe core inside and out with a thermo-plastic nonmetallic protective layer, comprising, arranging a cylindrical metallic pipe core vertically in an intermediate spaced position between inner and outer mold forms, substantially simultaneously filling the inner and outer spaces between said core and respective mold forms with molten asphaltic material in direct contact with said core and substantially simultaneously cooling the inner and outer asphaltic bodies by spraying cold water against said mold forms.

2,296,562
CONCRETE PRODUCT MOLD
William John Maxwell, Glenboig, Scotland
Application July 1, 1941, Serial No. 400,583
In Great Britain May 24, 1940
3 Claims. (Cl. 25—121)



1. A molding box for use in the manufacture of concrete products such as beams, stanchions and the like, comprising side walls and end walls, a pallet between the side walls, said pallet forming the bottom of the box and being slidable vertically between the side walls when the box is in upright position, a pair of longitudinally extending bars loosely mounted between the side walls at the upper portion of the box, said bars being spaced apart widthwise of the box to provide a space into which reinforcing members embedded in the concrete contents of the box may project to extend beyond the level of the product being molded, the inner adjacent edges of said longitudinally extending bars being rabbeted to form steps in the product being molded, at least one side wall of the box being removable to permit filling of the box from that side when the box is placed on its other side, and rocker members on said box to facilitate movement of the box from a position in which it is on a side to an upright position.

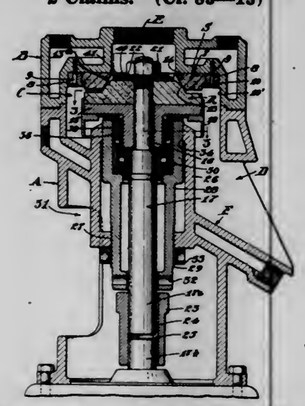
2,296,563
CONTROL
Conrad Gerhard Moller, 3rd, New Canaan, Conn., assignor to The Acrotorque Company, Cleveland, Ohio, a corporation of Connecticut
Application November 9, 1939, Serial No. 303,598
5 Claims. (Cl. 200—53)



1. A control including in combination a switch,

a body formed with inlet and outlet openings and a discharge opening, a valve interposed between said inlet and outlet openings and cooperable with a seat to prevent a flow of fluid from one opening to the other, a sealing portion coupled to and movable with said valve and formed with an opening through its body, such opening affording communication between said outlet opening and said discharge opening, a further valve body normally spaced from and movable into contact with said sealing portion to seal the opening therethrough, means coupled to said further valve to cause the same to engage said portion, said switch being coupled to said last named means to be closed as said further valve engages said portion, means responsive to a diminishing rate of flow of liquid from said inlet to said outlet opening to permit movement of the valve connected to said portion onto its seat so that fluid flow from said inlet to said outlet opening is interrupted and said switch is simultaneously opened.

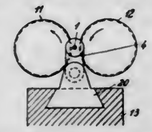
2,296,564
COLLOID MILL
Louie H. Morehouse, Los Angeles, Calif., assignor to Glenn H. Morehouse, Los Angeles, Calif.
Application August 15, 1939, Serial No. 290,231
2 Claims. (Cl. 83—13)



1. In a colloid mill, a pedestal having a grinding chamber provided with an intake opening, an annular stator grinder mounted on said chamber and surrounding the inner end of said opening, a rotor grinder in said chamber for cooperating with said stator grinder, a feed disc fixed for rotation with said rotor grinder upon the upper face thereof and having peripheral blades formed by radially slitting the disc inward from the periphery at circumferentially spaced points and bending the slit peripheral blades relative to the plane of the disc to feed matter from said opening to said grinders, said disc being disposed in the opening or bore of said annular grinder and above the coacting grinding portions of said grinders.

2,296,565
DEVICE FOR ROLLING THREADS
Kurt Mütze, Neuss-on-the-Rhine, Germany; vested in the Alien Property Custodian
Application May 31, 1940, Serial No. 337,989
In Germany June 3, 1939
3 Claims. (Cl. 80—6)

1. A machine for rolling threads comprising a holder carrying centers to engage and support the opposite ends of a work piece, thread rollers arranged to engage opposite sides of a work piece supported by said centers, means slidably and pivotally connecting said holder to the frame of the machine for pivotal movement about an axis parallel with and spaced from the axis of the



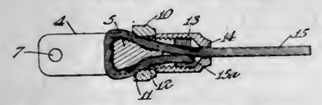
work piece in a direction substantially normal to the line of pressure of said thread rollers against said work piece and for longitudinal movement in a direction parallel to the axis of said work piece.

2,296,566
FILTER
Willy Neumann, Ladeburg, near Bernau, Germany; vested in the Alien Property Custodian
Application August 2, 1939, Serial No. 287,970
In Germany August 10, 1938
4 Claims. (Cl. 183—110)



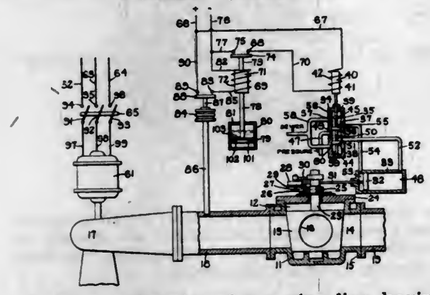
1. A gas filter embodying a plurality of spaced laminations extending longitudinally in straight lines parallel to each other and to the direction of flow of the stream of gas to be filtered, each of said laminations being formed from an apertured plate having a viscous coating, said laminations being spaced apart to define straight unrestricted paths for the gas to be filtered and the apertures in said plates producing eddies to effect impingement of particles carried in the gas against the plates.

2,296,567
CABLE CLAMP
Hakon C. Nielsen, Minneapolis, Minn.
Application June 29, 1942, Serial No. 448,922
3 Claims. (Cl. 24—124)



3. A cable clamp comprising, a pair of divided shank portions having complementary threads on adjacent ends, a wedge interconnecting said dividing shank portions, said wedge having its broad end located intermediate the ends of said shank portions and converging to the threaded ends thereof, the spaces between the remainders of said shank portions and their opposite ends from said threaded ends being unobstructed, a nut engaging the threads of said shank portions, and a collar loosely fitting the threaded ends of said shank portions and movable toward said wedge, whereby a cable passing through said nut and collar can be looped about said wedge between said shank portions and said nut can be drawn up against said collar to tightly clamp a cable between said collar and said wedge.

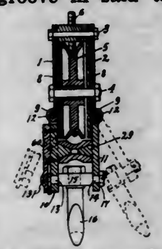
2,296,568
CONTROL SYSTEM
Frank E. Peacock, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application January 26, 1940, Serial No. 315,778
5 Claims. (Cl. 137—78)



1. A control system for a pipe line having a valve for controlling communication through said pipe and in which reflected waves are produced in the fluid under pressure during the closing operation of said valve which cause sudden increases in the pipe line pressure comprising, mechanism for actuating the valve, fluid pressure operated means movable in one direction for actuating said mechanism to open the valve, said fluid pressure operated means being movable in the opposite direction to operate said mechanism to close the valve, a control valve for controlling the operation of said fluid pressure operated means, said control valve being arranged in one position to effect operation of the fluid pressure operated means in one direction and in another position to effect operation of the fluid pressure operated means in the opposite direction, an electromagnetic device to operate said control valve, said electromagnetic device being adapted when energized to effect movement of said control valve to a position corresponding to the open position of said pipe line valve, a switch device to control the energization of said electromagnetic device from a source of current supply, electromagnetic means for operating said switch device to closed position when energized, means for controlling the operation of said electromagnetic means and including a switch device operated by means responsive to variations of fluid pressure in the pipe on the upstream side of said pipe line valve and operable when the pipe line pressure exceeds a predetermined value for closing the electric circuit by which said electromagnetic means is energized, and means operatively connected to said electromagnetic means for retarding the operation of said electromagnetic means in its circuit closing direction so that the circuit by which the electromagnetic device is energized will not be closed by the reflected waves in the pressure of the fluid in the pipe line.

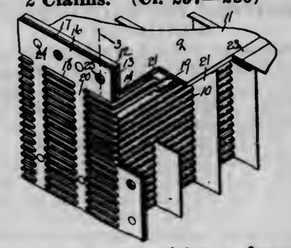
2,296,569
QUICK-OPENING SNATCH BLOCK
Joseph Peterson, Hamtramck, Mich.
Application August 15, 1941, Serial No. 406,945
1 Claim. (Cl. 254—193)

The combination with a flexible hoisting element, of a block comprising a pair of spaced complementary side members; an axle supported in said side members; a sheave mounted on said axle and engaging in a bight of said hoisting element; load-engaging means including a crosshead having a pair of opposed trunnions; and a pair of suspensory members hinged to said side members and adapted to engage said trunnions, one of said trunnions being permanently connected to its associated suspensory member while the other trunnion is detachable therefrom; of means for securing said detachable trunnion in position in its co-acting side member, said means comprising a groove in said trunnion, a slide



mounted upon said side member having a circular opening adapted to pass over said trunnion and an arcuate opening adapted to engage said groove, a pair of spaced projections upon said member, a pair of arms upon said slide adapted to engage said projections and to maintain the slide in engaged position, and manual means for disengaging said arms to release the slide.

2,296,570
COOLING APPARATUS
Hans P. Peterson, Hartford, Conn., assignor to The Bush Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application December 23, 1940, Serial No. 371,282
2 Claims. (Cl. 257—236)

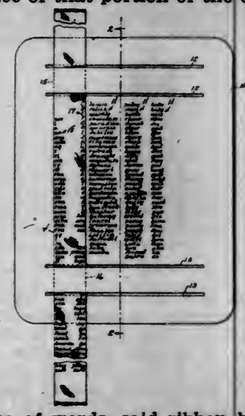


2. An intercooler comprising a frame including top and bottom plates having flanges at opposite edges thereof, relatively thin flexible tube sheets connecting the flanges at each end of the top and bottom frame plates, said tube sheets being located at opposite sides of the frame, flat thin walled conducting tubes having flanged ends extending through the tube sheets and connecting the same in end to end fashion, a flexible perforated sheet of rubber for sealing the connection between the tube sheets and conducting tubes, and a thin flexible end plate of substantially the same thickness as the tube sheets for clamping the rubber packing sheet against the flanged ends of the tubes, said tube sheets and end plates being capable of flexure upon expansion and contraction of the conducting tubes whereby said tubes will be prevented from being loosened at the point of sealing engagement with the tube sheets and end plates.

2,296,571
NAME COINER
Louis G. Rambin, Overton, Tex., assignor of one-third to J. I. Roberts, Shreveport, La.
Application September 2, 1941, Serial No. 409,299
1 Claim. (Cl. 35—1)

A name coiner comprising a card having ver-

tical columns of words and provided below and above the words with pairs of horizontal slots greater in length than the combined widths of the columns, a ribbon threaded through the upper and lower slots of the card and extending over the face of that portion of the card bearing



the columns of words, said ribbon bearing vertical columns of prefixes and suffixes, said ribbon being adjustable upwardly, downwardly or laterally with relation to the card to arrange any prefix or suffix carried thereby in proper relation to one of the words of the card.

2,296,572
METHOD FOR THE PRODUCTION OF HORMONES
Tadeus Reichstein, Zurich, Switzerland, assignor, by mesne assignments, to Roche-Organon, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application July 19, 1938, Serial No. 220,139. In Switzerland July 25, 1937
12 Claims. (Cl. 260—397.1)

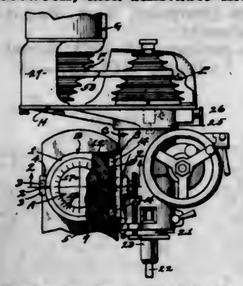
1. The process that comprises condensing in the presence of a metal from the class consisting of alkali and alkaline earth metals an ester of a cyclopentano - dimethyl -polyhydrophenanthrene carboxylic acid-17 with a compound of the formula



wherein R_1 is a radical from the class consisting of hydrogen, alkyl, acyl, alkoxyl, acyloxyl and carboxyl groups, R_2 is a radical from the class consisting of hydrogen alkyl, acyl, alkoxyl and acyloxyl groups, and X is a radical from the class consisting of the carboxylic ester group, carboxylic acid amide group and the nitrile group.

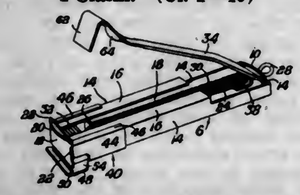
2,296,573
MOUNTING AND DRIVE MEANS FOR MILLING ATTACHMENTS
James H. Richards, Glendale, Calif.
Original application February 16, 1940, Serial No. 319,290. Divided and this application January 28, 1941, Serial No. 376,324
3 Claims. (Cl. 90—17)

3. In a milling apparatus, a spindle housing, a spindle rotatable therein, a sectional cone pulley on said spindle, means for keying one section of the pulley to the spindle, the other section of said pulley being hollow, a casing rotatable in said hollow section, planetary gearing carried by said casing and cooperating with gears on said hollow section and said spindle to transmit power therebetween, and shiftable means selec-



tively operable for rendering said gearing operative as a change speed means for the spindle or for locking said casing to said pulley to drive said spindle in unison therewith.

2,296,574
STAPLER
William F. Rodgers, Philadelphia, Pa.
Application August 28, 1940, Serial No. 354,493
1 Claim. (Cl. 1—49)



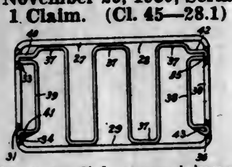
A stapling device comprising a casing having an open end and adapted to receive and contain staples, means for urging said staples towards the open end of said casing, a guide wall detachably secured to the open end of said casing and constituting an abutment for said staples, an operating mechanism for successively driving said staples through a discharge opening formed between said wall and the adjacent end of said casing and into the material to be stapled, an anvil slidably mounted on said casing, said guide wall forming means at the open end of said casing for limiting the movement of said anvil, said anvil being removable from said casing by a sliding movement over the opposite end of said casing.

2,296,575
MANUFACTURE OF ALTERNATING CURRENT RECTIFIERS
Cyril Arthur Rowley and Alexander Jenkins, King's Cross, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 17, 1942, Serial No. 435,112
In Great Britain October 24, 1940
5 Claims. (Cl. 175—366)



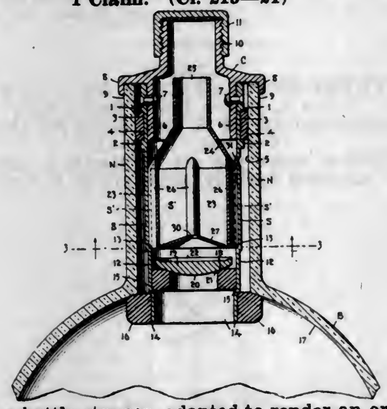
1. A process for the manufacture of alternating current rectifiers of the kind described which consists in applying a layer of rectifying material to a sheet metal base of sufficient size to provide a plurality of rectifying elements, applying a conducting layer to the entire surface of the rectifying layer, subdividing the base with its applied coatings into rectifying elements by a punching or stamping operation, and then removing the metallic conducting layer adjacent to the edge or edges of each element by a cutting or grinding operation.

2,296,576
COMPOSITE SOAP DISH
Charles L. Ruhl, Dallas, Tex.
Application November 20, 1939, Serial No. 305,260
1 Claim. (Cl. 45—28.1)



A composite soap dish comprising a rectangular tray with upstanding walls, the end walls whereof are provided with sockets, a flexible rack consisting of opposed U shaped formations, and the outer bars of the loops being formed into two separated sets of lateral turns to enter into said sockets.

2,296,577
BOTTLE STOPPER
Paul R. Schillinger, Conyngham, Pa.
Application August 7, 1940, Serial No. 351,728
1 Claim. (Cl. 215—21)

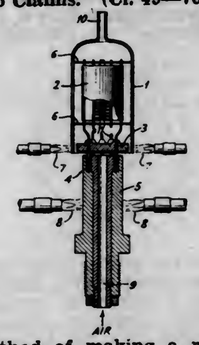


In a bottle stopper, adapted to render an ordinary bottle non-refillable, the combination of a shell adapted to be irremovably mounted in the neck of a bottle; a valve seat mounted at the lower end of said shell; a second shell fixed in said first shell and having longitudinal grooves on its outer surface to provide conduits between said shells; a baffle plate with a central orifice mounted in the bottom of said second shell by radial straps providing arcuate slots between the edge of the plate and the second shell; and a valve member disposed between said seat and said second shell, and having an upstanding peripheral flange.

2,296,578
CUPRAMMONIUM-CELLULOSE SOLUTION
Paul Henry Schlosser and Kenneth Russell Gray, Shelton, Wash., assignors to Rayonier Incorporated, Shelton, Wash., a corporation of Delaware
No Drawing. Application August 22, 1940, Serial No. 353,599½
20 Claims. (Cl. 106—167)

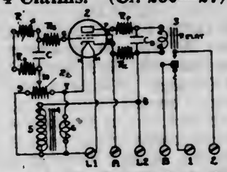
1. The method of preparing a cuprammonium-cellulose solution which comprises converting cellulosic material without substantial solution thereof into a smooth paste by the conjoint action in an aqueous medium of the constituents of a basic copper salt containing about 1 gram atom of copper per mol of cellulose and ammonia not exceeding 6.5 mols per gram atom of copper, and treating the resulting paste at a temperature around 0° C. with an alkali-metal hydroxide in amount sufficient for the theoretical conversion of the aforesaid basic copper salt to copper hydroxide.

2,296,579
GLASS ENVELOPE SEAL
Harry R. Seelen, Short Hills, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1940, Serial No. 367,933
5 Claims. (Cl. 49—78)



1. The method of making a radio tube envelope having a glass shell closed at one end with a glass disc type header comprising telescoping the shell over the header so that the rim of the shell overlies the edge of the header, heating the shell rim and header edge to welding temperature, and artificially cooling the central portion of the disc to control the strains in the disc and in the seal region at said rim.

2,296,580
ELECTRONIC TIMING CIRCUIT
Gilbert Smiley, Hingham, Mass., assignor to General Control Company, Cambridge, Mass., a corporation of Massachusetts
Application December 5, 1939, Serial No. 307,599
4 Claims. (Cl. 250—27)



1. An electronic timing delay circuit adapted to be operated by an alternating current power supply, comprising an electronic tube having a cathode, a heating element therefor, an anode and grid elements, a transformer for supplying heating current for said cathode heating element, said transformer having terminal connections for producing a greater potential than that of the alternating current supply for biasing the grid lead to a value more negative than the cathode on the negative alternating current cycle, a discharge circuit having a condenser and

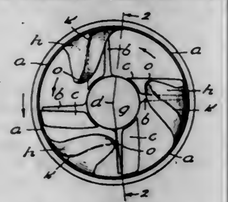
a resistance connected across the same, means connecting one terminal of said discharge circuit to the desired potential established by said transformer terminals, and means connecting the other terminal of said discharge circuit to said grid and means operatively connected in the cathode-anode circuit for operating an electric responsive device whereby when said alternating current potential is removed from the cathode-grid circuit to the cathode-plate circuit, said responsive device will respond in definite time relation to said change.

2,296,581

APPARATUS FOR MIXING AND BLENDING MATERIALS, SOME OF WHICH ARE IN A FINELY DIVIDED STATE

Alfred Bartlett Smith and Clifford Ross Smith, Wolverhampton, England

Application May 6, 1941, Serial No. 392,164
In Great Britain May 6, 1940
4 Claims. (Cl. 259—107)



1. Apparatus for mixing and blending finely divided solid material with a finder comprising in combination a cylindrical container, an arm rotatable in the container along the bottom thereof, a member attached to the wall of the container and extending radially inwardly therefrom and having its lower surface above and inclined to the bottom of the container so as to form in conjunction therewith a wedge-like pocket, said member having its longitudinal axis inclined from the true radial position in the container in the direction of movement of said moving arm, said member having upper surfaces which are smooth and respectively upwardly and downwardly inclined in the direction of movement of the moving arm, the surface on the leading face rising up to a longitudinal ridge and that on the rear face extending down from said longitudinal ridge to the rear edge of the inclined under surface of said pocket-forming member.

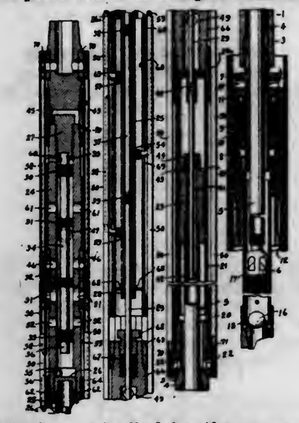
2,296,582

PUMP OPERATING MECHANISM

Charles W. Sproull, Houston, Tex.

Application July 10, 1939, Serial No. 283,592
3 Claims. (Cl. 121—157)

1. In a pump, a motor comprising a motor cylinder, a piston therein, a master valve cylinder aligned with the motor cylinder, branch conduits connected into the master valve cylinder and also connected into the motor cylinder on opposite sides of the piston, a supply conduit above and in alignment with and connected into the valve cylinder for the supply of an operating fluid, under pressure, thereto, a master valve in the valve cylinder for connecting the supply conduit alternately with the branch conduits, said master valve including spaced pistons connected to move as a unit and shaped to only partly close one branch conduit while connecting the supply conduit with the other branch conduit, a pilot valve cylinder aligned with and located beneath the master valve cylinder, a partition separating said valve cylinders, said partition being formed with a depending tubular skirt which surrounds and is spaced from the adjacent end of the pilot valve cylinder, a pilot valve in the pilot valve cylinder



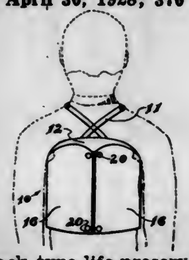
arranged to be controlled by the movements of the piston in the motor cylinder and to control the movements of the master valve, said pilot valve cylinder having a relief outlet at its lower end and a relief outlet at its upper end in said skirt.

2,296,583

LIFE PRESERVER—JACKET OR VEST TYPE

Lloyd A. Straits, United States Navy

Application August 16, 1941, Serial No. 407,141
18 Claims. (Cl. 9—17)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A knapsack-type life preserver comprising a back flotation panel and a pair of folded extendable flotation panels, body harness means for mounting said life preserver in folded position on the back of a person, and quick self-releasable means holding said life preserver in said folded position, said self-releasable means permitting said life preserver extendable flotation panels to be unfolded and extended about the front of the wearer while the preserver is maintained in mounted position on the wearer by said body harness means.

2,296,584

GROWTH PROMOTING MEDIA

Herbert Stummeyer, Mannheim, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application November 21, 1939, Serial No. 305,461. In Germany October 30, 1937
4 Claims. (Cl. 71—2)

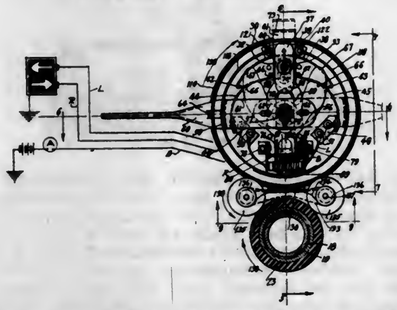
2. Growth-promoting media comprising a growth-promoting substance selected from the group consisting of the β-indolyl and α-naphthalene carboxylic acids in admixture with a high molecular organic compound selected from the group consisting of water-miscible cellulose ethers, polyvinyl ethers and polyglycol ethers, said ethers being resistant to putrefaction in the ground.

2,296,585

DIRECTION SIGNALING DEVICE

Herrmann B. Tobias, Washington, D. C.

Application March 21, 1939, Serial No. 263,232
8 Claims. (Cl. 177—339)



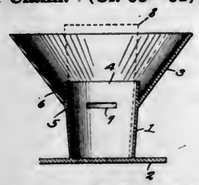
3. In turn indicating means for a vehicle, which vehicle is provided with a source of current, with a steering wheel, and with current-responsive signal means indicative of a left turn or a right turn, respectively, a turn indicating control means comprising a plurality of switches normally in open position and selectively closable to indicate a left turn or a right turn, respectively, manually operable means normally in neutral and non-signaling position and movable to turn-indicating position to selectively close only one of said plurality of switches at a time, means connected movable in response to the turning of said steering wheel for a turn to automatically move said manually operable means to neutral position from a manually set turn-indicating position, and to coincidentally move a selected one of said plurality of switches to connect a signal means to said source indicative of the turn of said wheel, and means to lock said manually operable means in non-signaling position against manual movement while said wheel is being turned to turn the vehicle.

2,296,586

SERVING DEVICE

Walter J. Turoczy, Wilmington, Del.

Application September 13, 1939, Serial No. 294,761
1 Claim. (Cl. 65—61)



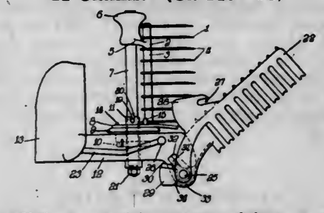
A device for serving viands in a tumbler, comprising a tubular holder shaped to receive the tumbler used, a laterally-extended foot fixedly assembled with the lower end of the holder, and so shaped on its upper surface that it will shed liquid, in the interest of neatness, a laterally-enlarged ice receptacle fixedly assembled with the holder at a place near enough to the upper end of the holder to form a short extension which prevents ice in the receptacle from sliding into the holder when a tumbler is removed therefrom, the height of the extension, relatively to the height of the receptacle, and the height of the receptacle relatively to the height of the tumbler used, being such that an increased amount of the height of the tumbler, close to the upper end of the tumbler, and where the contents of the tumbler is warmest, will have direct contact with ice in the receptacle, the receptacle and the extension forming a circumscribing trough, the extension having an opening, located at the lowermost portion of the trough and discharging ice-drip into the holder, to conceal the drip.

2,296,587

SLICING MACHINE

Cornelis F. M. Van Berkel, Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana

Application May 4, 1940, Serial No. 333,403
In Great Britain May 16, 1939
11 Claims. (Cl. 146—94)



1. A slicing machine comprising a support, slice stacking mechanism comprising a discharge fly and a conveyor operatively secured to said support, pivot means upon which the fly is mounted, means for operating the discharge fly and including interengaging abutments, said means being detachable, spring means to force the fly when released to perform the discharging operation, said abutments being engaged when said operating means is attached and disengaged upon detachment of the operating means, and said interengaging abutments having coacting means providing for holding the fly on said pivot means when engaged and for releasing the fly for removal from the pivot means when disengaged.

11. A slicing machine comprising a support, a bushing secured to said support, a shaft removably mounted in said bushing, means normally retaining said shaft in said bushing, a laterally extending pin attached to said shaft, said bushing being provided with a slot for receiving said pin and maintaining the pin in predetermined angular position with respect to the bushing, a conveyor, means rotatably supporting said conveyor on said shaft including a member engageable under said pin, said pin and said member normally cooperating to retain the conveyor on the shaft, and said member being provided with a slot slidable over said pin to permit removal of the conveyor when the conveyor is rotated to a predetermined position.

2,296,588

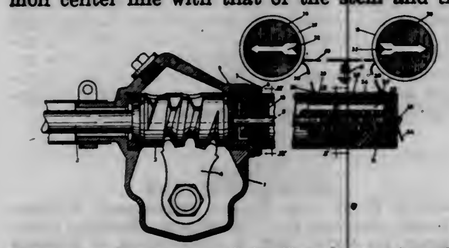
DIRECTION INDICATING MECHANISM

Victor T. Wiglesworth, Portland, Oreg.

Application January 28, 1939, Serial No. 253,377
7 Claims. (Cl. 200—59)

1. In a device of the class described, in combination with the steering column and the steering column housing of a motor vehicle, a switch

housing comprising a housing made of electric insulating material, stationary electric contacts disposed on the inner periphery of said insulating housing, a stem having a common center line with that of the steering column and said stem secured to and outwardly extending from the base end of the column, a stuffing box disposed about the stem and secured to the housing for the steering column, a sleeve having a common center line with that of the stem and the

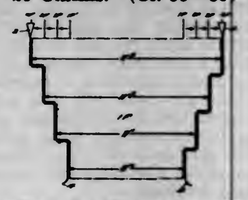


steering column secured to the stem outwardly extending therefrom, with a coacting pin and slot connection being disposed between the sleeve and the stem, said sleeve having a running spiral slot formed therein, a contact carrier movably disposed within the sleeve, a tubular stem secured to the contact carrier and said tubular stem positionable within the said spiral slot and adapted to move the contact carrier and tubular stem longitudinally of the sleeve when the sleeve is rotated.

2,296,589
FLUORESCENT PAINT
John A. C. Yule, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 5, 1940, Serial No. 328,068
9 Claims. (Cl. 250—81)

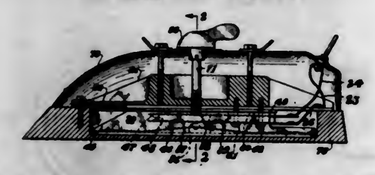
6. A fluorescent coloring material including a vehicle for affixing the material to surfaces to be colored and a fluorescent ingredient consisting of chrysene.

2,296,590
METHOD OF WIDENING ON FLAT KNITTING MACHINES EMPLOYING AUXILIARY YARN
Stanford Cranston Badders and Charles Farrell, Grenada, Miss., assignors, by mesne assignments, to National Silk Hosiery Mills, Inc., Indianapolis, Ind., a corporation of Indiana
Application April 5, 1941, Serial No. 387,084
29 Claims. (Cl. 66—89)



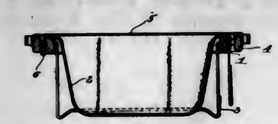
1. The method of adding selvage loops to widen fabric on a flat knitting machine which includes increasing the traverse of the reciprocating course-forming yarn carrier or carriers in selected fabric courses across additional needles beyond the edge of the fabric marginal area for the formation of loops on said additional needles, feeding an auxiliary yarn to the fabric marginal area lengthwise of said edge from a stationary yarn carrier positioned near said additional needles, and shifting the position of the auxiliary yarn carrier outwardly a corresponding number of needles for each widening.

2,296,591
THERMOSTATICALLY-CONTROLLED ELECTRIC IRON
William A. Barnes, Evansville, Ind., assignor to Dominion Electrical Manufacturing, Inc.
Original application January 31, 1938, Serial No. 187,883. Divided and this application July 19, 1940, Serial No. 346,430
7 Claims. (Cl. 219—25)



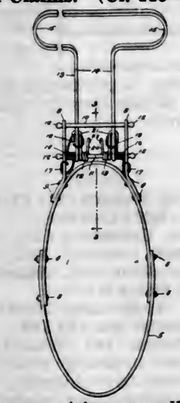
6. An automatic electric iron comprising, in combination, a thick base plate constituting a heat storage element, shell means above and attached to said base plate, an electric heating element in heat transfer relationship with said base plate, means for supplying electric current to said heating element, said base plate having a depressed portion therein establishing a thin portion in the said base plate between the bottom of the depressed portion and the bottom of the base plate, and thermostatic means in said depressed portion adapted to regulate the flow of electricity from said supply means to said heating element in accordance with the demands of the base plate as evidenced by the temperature change at the thin portion of the base plate, said thermostatic means comprising two metallic elements with different coefficients of expansion and having their ends secured together and the element having the higher coefficient of expansion being free upon expansion and contraction to move with respect to the said base plate and engaging the bottom of the depressed portion substantially throughout its length.

2,296,592
INFANT'S FOLDING COMBINATION BATH STAND AND DRESSING TABLE
William C. Baxter and Harold E. Stonebraker, Rochester, N. Y., assignors to Trimble Nursery-land Furniture, Inc., Rochester, N. Y., a corporation of New York
Application July 18, 1941, Serial No. 402,926
8 Claims. (Cl. 4—177)



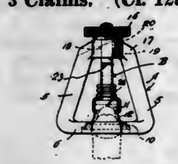
1. In an infant's folding combination bath tub and dressing table, the combination with a tub support including parallel rails, of a dressing table including a rectangular table frame and a flexible covering therefor, said table frame being somewhat larger than the tub support and positioned around the latter in telescoping relation with the tops of said rails and of the table frame in substantially the same horizontal plane when the table is in horizontal operative position with the flexible covering located adjacent to the tops of said rails.

2,296,593
ANIMAL POKE
Charles E. Biser, Selma, Ala., assignor of forty per cent to T. W. Dansby
Application August 29, 1941, Serial No. 408,863
4 Claims. (Cl. 119—140)



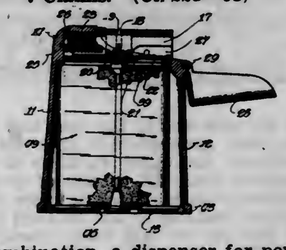
1. A poke comprising a collar, a horizontal pivot member over said collar, supporting means projecting upwardly from said collar and supporting said pivot member, an upstanding spur-operating member having its lower end pivotally mounted upon said pivot member, a coil surrounding said pivot member and having an upper arm connected with said spur-operating member, said coil also having a rearwardly projecting arm whose rear end is turned downwardly and sharpened to provide a neck prodding spur, spring means for normally urging said spur-operating member forwardly, and means for limiting the forward movement of said spur-operating member.

2,296,594
SURGICAL INSTRUMENT
Robert E. Blais and George U. Le Moine, Amesbury, Mass.
Application December 9, 1941, Serial No. 422,278
3 Claims. (Cl. 128—346)



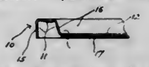
2. In a surgical instrument of the character described, a body member having a pair of spaced substantially parallel arms at the opposite ends thereof, one of said arms having an opening and a recess in the underside thereof forming a seat, a clamping ring removably engaged in said opening and having a marginal flange engaging said seat, a clamping element extending through said opening and said clamping ring and having a portion cooperating with said clamping ring, and means cooperating with the other arm of said body member for pulling said clamping element rectilinearly in such direction as to draw the clamping portion thereof even toward said clamping ring, said means comprising a rigid threaded stem on the clamping element projecting through an aperture in the other arm of said body member, and a nut engaged with said threaded stem, said clamping element further including a lower cup portion adapted to be fitted over the glans penis and having an outwardly flared lower portion over which the prepuce is adapted to be fitted, and manually operable clasping means carried by said clamping element for retaining the prepuce over said cup portion, said clasping means comprising normally released clasping arms, and a ring slidable on the clamping element to spring said arms inwardly into gripping engagement with the prepuce.

2,296,595
TOOTH POWDER DISPENSER AND REFILL
Philip C. P. Booty, Chicago, Ill.
Application December 2, 1940, Serial No. 368,205
7 Claims. (Cl. 221—65)



7. In combination, a dispenser for powder and a refill powder package, said dispenser having a valved powder discharge opening and an aperture to admit the refill package, a closure for said aperture, said package having an opening to register with said valved opening, a displaceable closure for said package opening removable when said package is inserted in said dispenser, a stud fixed in said dispenser and adapted to penetrate said package when the same is inserted in said dispenser, and an anchoring nut extending through said aperture closure and engageable with said stud to hold said closure in place, said anchoring nut adapted to seal the hole in the package made in the adjacent portion thereof by penetration of said stud when said package is inserted in said dispenser.

2,296,596
FRAMING
Joseph H. Brown, Brooklyn, N. Y.
Application December 18, 1941, Serial No. 423,416
1 Claim. (Cl. 40—154)

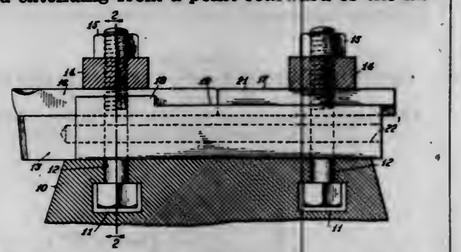


An article of the character described comprising, a sheet of plastic material shaped to provide a central flat panel against which a picture is adapted to be attached, a hollow integrally-formed frame part extending around the panel and projecting forwardly beyond the front side thereof so that said panel forms the bottom of a comparatively deep pocket, the frame part being of channel formation and having a surrounding flange of such a depth that the inner end of the same is located substantially in the same plane as the rear face of the panel, said panel being transparent and adapted to receive the picture behind it whereby it will create the illusion that said picture is behind the ordinary glass sheet of the conventional picture frame.

2,296,597
TOOL HOLDER
Bernard J. Carr, San Bernardino, Calif.
Application March 24, 1941, Serial No. 384,823
1 Claim. (Cl. 29—96)

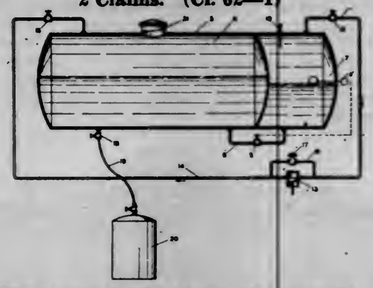
A tool holder consisting of an elongated com-

paratively thick metal bar of rectangular cross-section, of length greater than the length of the tool and provided with a longitudinally extending heat dissipating bore extending from the rear end to a point rearward of the front end, the holder at opposite sides having upstanding walls to provide a tool holding channel therebetween and extending from a point rearward of the im-



mediate forward end to the rear end of the bar and at a point removed from their forward ends being reduced, the upper surfaces of said walls being parallel with the bottom of said channel, in combination with a backing plate of T-shape cross-section seatable in the channel and on the reduced portions of said walls rearward of the cutting tool.

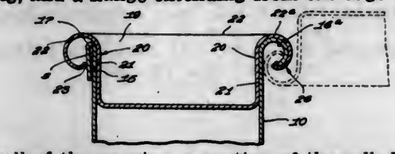
2,296,598
METHOD FOR DISPENSING VOLATILE LIQUIDS
William D. Cook, Detroit, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 12, 1940, Serial No. 369,900
2 Claims. (Cl. 62—1)



1. The method of raising the pressure in a liquid container comprising continuously passing a portion of the liquid from the container to a vaporizing zone, maintaining a constant supply of liquid in said zone, vaporizing a part of the liquid at reduced pressure, compressing the vapors so formed and passing the compressed vapors to the vapor space in the liquid container.

2,296,599
HINGED PLUG-COVER FOR CONTAINERS
Frank J. Costello, Baltimore, Md., assignor to Federal Tin Company, Incorporated, Baltimore, Md., a corporation of New York
Application April 4, 1941, Serial No. 386,927
6 Claims. (Cl. 220—31)

1. A can having an opening, a wall extending around the opening, a plug-cover for the opening having a rolled bead extending continuously around the top outer edge of the plug-cover and overlapping the outer surface of the side wall of the plug-cover to form a closure-sealing channel between the bead and said outer surface to receive the edge of the wall surrounding the opening, and a flange extending from the edge of the

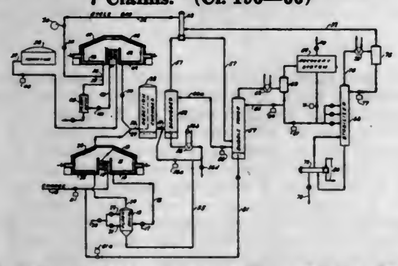


wall of the opening, a portion of the rolled bead containing said flange loosely rolled therein to form a hinge joint.

2,296,600
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 21, 1941, Serial No. 384,598
10 Claims. (Cl. 252—341)

1. A process for breaking water-in-oil emulsions, characterized by subjecting the emulsion to the action of a demulsifier comprising a water-soluble esterification product derived by reaction between one mole of a polybasic compound and two moles of a water-insoluble detergent-forming acid amide having an acyl radical containing more than 8 and not more than 32 carbon atoms and having a substituted amide radical in which at least one alcholiform hydroxy hydrocarbon radical is a substituent for an amino hydrogen atom; the polybasic compound being the esterification product of (A) a polyalkylene glycol having at least 7 and not more than 17 ether linkages, and the alkylene radical thereof containing at least 2 and not more than 6 carbon atoms; and (B) a polybasic carboxy acid having not more than 6 carbon atoms; and the ratio of the esterifying reactants being within the range of more than 1 and not over 2 moles of the polybasic acid for each mole of the glycol.

2,296,601
CRACKING AND REFORMING SYSTEM
William C. Dorsett, Elizabeth, N. J., assignor to Petroleum Conversion Corporation, Elizabeth, N. J., a corporation of Delaware
Application March 5, 1940, Serial No. 322,284
7 Claims. (Cl. 196—66)

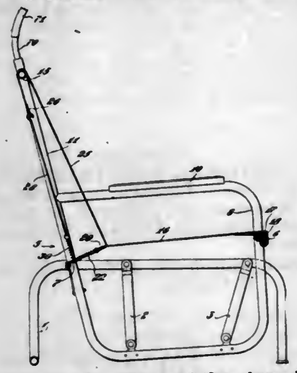


3. The method of thermally cracking heavy hydrocarbons to produce motor fuel and reforming light hydrocarbons, which comprises heating and separating from said heavy hydrocarbons a stream of vapors, generating heat in separately-fired heating zones, heating a mixture of cycle gas and said light hydrocarbons in a first of said heating zones to a temperature within the active reforming temperature of said light hydrocarbons, in said other of said heating zones supplying heat to the mixture in amount adequate to supply the heat for the endothermic reforming reaction, retaining the mixture in said second zone for a time interval adequate for the substantial completion of the desired reforming reaction, thereafter commingling said mixture with said stream of heavy vapors in ratio thereto for the supply of adequate heat to crack said heavy vapors at a temperature below the active reforming temperature of said light hydrocarbons, and recovering products suitable as motor fuel from said reformed light hydrocarbons and said stream of vapors.

2,296,602
MIRROR AND METHOD FOR MAKING THE SAME
Clarence H. Dragert, New York, N. Y.
No Drawing. Application April 5, 1940, Serial No. 328,054
8 Claims. (Cl. 117—35)

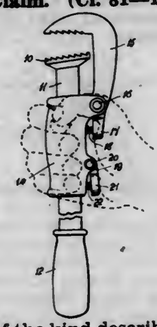
1. A method of protectively coating the metallic reflecting film of a glass mirror or the like to protect the said reflective film from spoilage due to exterior influences which consists in applying to said reflective film a free flowing composition of matter comprising lead, synthetic resin, plasticizer, an organic volatile solvent for said resin and plasticizer, and a member of the group consisting of ethyl-cellulose, methyl-cellulose and nitro-cellulose.

2,296,603
OUTDOOR FURNITURE
Jacob C. Feldman, Boston, Mass., assignor to New England Bedding Company, Medford, Mass., a corporation of Massachusetts
Application July 5, 1941, Serial No. 401,070
2 Claims. (Cl. 155—53)



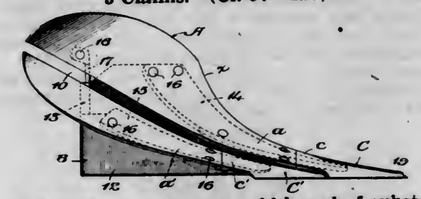
1. An article of furniture of the class described comprising a frame structure defining a seat section having at its forward end a horizontal frame member and an adjoining upstanding back rest section having adjacent to its upper end a horizontally extending guide bar, a horizontally extending fixed bar adjacent to the junction of the seat section and back rest section, a seat member of flexible sheet material secured at one end to said horizontal frame member and extending rearwardly to the junction of the two sections, then upwardly about said guide bar to provide a back rest member and then downwardly, terminating in a depending end, a hem formed in said sheet material adjacent to the junction of the seat and back rest sections, a set of springs having ends secured to said fixed bar and their opposite ends connected to said depending end, and another set of springs secured at their ends to said fixed bar and at their opposite ends to said hem, said springs cooperating to hold the seat and back members taut and being effective to permit said seat and back rest members to yield horizontally and vertically so as to conform to the contour of the occupant.

2,296,604
WRENCH
John Fella, Detroit, Mich., assignor of one-half to Ross Facione, Detroit, Mich.
Application August 5, 1941, Serial No. 405,501
1 Claim. (Cl. 81—106)



In a wrench of the kind described, a shank having ratchet teeth, a sleeve forming a hand hold slidably fitting said shank, a jaw formed on the shank, spaced different length pivot extensions projecting laterally from the sleeve on the same side with each other, a swinging jaw pivoted to the longer extension to effect a hand grip located directly between both extensions for thumb coverage on hand grasping of the sleeve, a ratchet pawl pivoted to the shorter extension in proximity to the hand grip for palm engagement thereof simultaneously with the thumb coverage of the hand grip, and confined means for tensioning the grip and pawl, respectively.

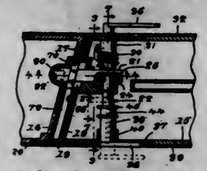
2,296,605
PLOW
Lorin Forgy, Beloit, Kans.
Application May 20, 1941, Serial No. 394,342
3 Claims. (Cl. 97—123)



3. A plow comprising a mold board of substantially spiral form to turn soil from and deposit it at the side of a furrow, the front end portion of said mold board being disposed substantially horizontally and the rear end portion being disposed substantially vertically, said mold board having a slot extending from a point approximately midway between its side edges at its front end to its rear end and said slot being curved to conform substantially to the pitch of the mold board so that roots and the like pass freely through the same from front end to rear end thereof as the plow is advanced, and a pair of soil

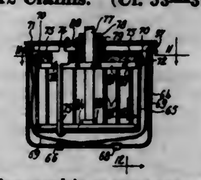
penetrating points at the front of said mold board one to either side of said slot, the section of said mold board at the inner side of said slot having a substantially vertically disposed inner front edge to shave the soil at the inner side of a furrow cut by the plow, and the said section of said mold board to the inner side of said slot being of spiral form continuously to said edge and further being of a height and width to turn all soil cut by the plow and to prevent any of the cut soil from passing over the mold board and falling behind the plow into the furrow.

2,296,606
LATCH OPERATING MECHANISM
Charles E. Gaffney, Lexington, Mass.
Application January 21, 1941, Serial No. 375,348
7 Claims. (Cl. 70—208)



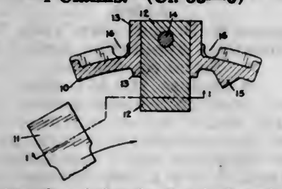
1. A latch mechanism for a door having a recess comprising a latch operating shaft, a handle member connected with the shaft for rotating the same, said handle having a radially extending lug member and being slidable relative to the shaft for movement into and out of the door recess, a spindle mounted for rotation adjacent the latch operating shaft having an end recess and a radially extending lug rotatable into the path of the said first lug, and a lock mechanism having a projecting shank received within the end recess of the spindle for limited independent rotation therein, whereby movement of the handle into the door recess and movement of the lock mechanism into the locked position will position the second lug in the path of the first lug to prevent withdrawal of the handle from the recess and whereby movement of the lock mechanism to an unlocked position will swing the second lug out of alignment with the first lug to permit withdrawal of the said handle.

2,296,607
INFUSION APPARATUS, ESPECIALLY ADAPTED FOR BREWING COFFEE
Blair W. Gair, Brooklyn, N. Y., assignor of thirty-three and one-third per cent to A. Jensenia Gair and thirty-three and one-third per cent to Estella H. Gair, both of Brooklyn, N. Y.
Continuation of application Serial No. 122,881, January 28, 1937. This application December 14, 1940, Serial No. 370,087
12 Claims. (Cl. 53—3)



1. In a coffee making apparatus, in combination, a top hot water tank, a filtering chamber having an inner vessel with a strainer forming a cover, an outer vessel spaced from the first vessel and having also a cover, said covers having central apertures, the outer vessel having a bottom discharge opening, a pocket strainer disposed in the space between the vessels, means sealingly holding the top part of the pocket strainer between the top of the outer vessel and its cover, a rigid tube for hot water passing from the bottom of the tank through said apertures, said tube having its lower end disposed in the inner container, means sealingly holding said tube in the apertures, a cross tube fast on said lower end and having its under side open near the bottom of the inner vessel and a strainer having its margin fastened to the cross tube around its open side.

2,296,608
CUTTER HEAD FOR FEED GRINDERS
Stephen Raymond Gately, Syracuse, Nebr.
Application November 27, 1939, Serial No. 306,313
4 Claims. (Cl. 83—6)



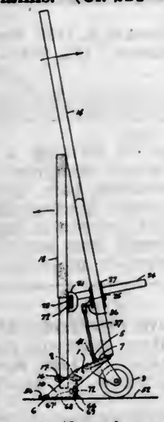
1. A cutter head for feed grinders including a plate member and a plurality of cutting knives, the maximum depth and width of each knife being uniform throughout its length, said plate member having a plurality of apertures of substantially the same cross sectional area as the maximum cross sectional area of said cutter knives and through which said knives extend, said knives being firmly held against lateral movement by the walls of said apertures, said plate member further having a rim projecting outwardly therefrom to form a hollow elongated box-like structure of a width of the same extent as the depth of said cutter knives and engaging the edges of said knives to further hold said knives, and a bolt extending through the opposite end walls of said box-like structure and transversely through said cutter knives to retain all of said cutter knives against longitudinal movement in either direction.

2,296,609
BUILDING CONSTRUCTION
Oliver E. Gibson, Chicago, and William M. McNeil, Wheaton, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application March 27, 1939, Serial No. 264,324
12 Claims. (Cl. 72—118)



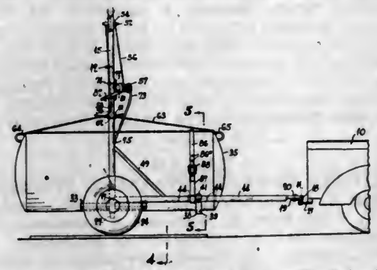
11. A sheet metal clip comprising a web having fingers oppositely extending from each edge to form channels, a flange extending rearwardly from said web, said flange having an opening extending from the outer edge thereof toward said web for the entrance of a stud, the edges of said opening being bent out to provide a channel for said stud angular to the plane of said web and to snugly engage the sides and the rear of a portion of a stud when said clip is placed angular thereon and then turned perpendicular thereto.

2,296,610
LIFT TRUCK
Daniel A. Grassick, Los Angeles, Calif.
Application October 3, 1941, Serial No. 413,424
15 Claims. (Cl. 214—65.4)



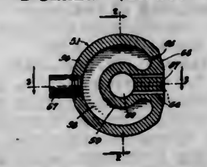
1. In a device of the character described, a pivoted frame having an edge adapted to raise one side only of a load upon swinging of the frame upon its axis in one direction, a lever attached to the frame for swinging said frame to cause the edge to lift the load, and means providing a force derived from the weight of the load, and forming an operative connection between the load and the lever for restraining lowering movement of the lever.

2,296,611
ARTICLE HANDLING APPARATUS
Taylor Green, Sarasota, Fla.
Application July 18, 1941, Serial No. 403,006
1 Claim. (Cl. 214—75)



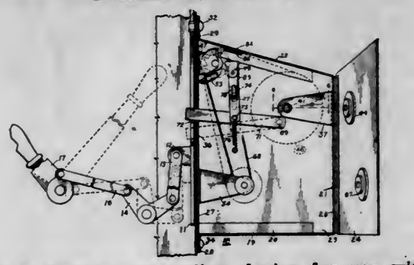
A trailer for transporting a cylindrical object such as a tank, comprising a U-shaped horizontally disposed frame, a vertically disposed inverted U-shaped frame, the free ends of one frame being rigidly secured to the free ends of the other frame, stub axles secured to the lower ends of the vertically disposed frame for the reception of wheels, a hoist secured to one of the legs of the vertically disposed frame, a pulley secured below the top of the vertically disposed frame, a cable on said hoist and passing through the pulley, means on the free end of the cable for securing the cable to each end of the tank, the lower ends of the vertical frame having inwardly projecting portions, a flattened U-shaped bar having a quick releasable means on each end for securing the flattened U-shaped member to the projections to support the tank at approximately its center of gravity after it has been elevated by the hoist, a second flattened U-shaped member having its ends removably and adjustably secured to the two legs of the horizontal frame for supporting the front end of the tank, and adjustable flexible means secured to each leg of the horizontal frame for passing over the top of the tank for securing it against vertical and horizontal movement.

2,296,612
FLAME HARDENING HEAD
George O. Gridley, Berlin, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application January 10, 1940, Serial No. 313,226
1 Claim. (Cl. 266—4)



A flame hardening head including a block of metal having a substantially C-shaped chamber extending into said block from one end and defining an upstanding boss, said boss having a bore therein extending in from the opposite end of said block, whereby the bottom of said chamber and the bottom of said bore are integral parts of said block, closure means for the open end of said substantially C-shaped chamber, water inlet connection means to said chamber, gas inlet connection means to said bore, said block having a row of flame openings extending transversely of and from said bore to the outside of said block and located between the adjacent ends of said substantially C-shaped chamber, said block having a row of quenching water openings substantially parallel to said row of flame openings and extending from said chamber to the outside of said block.

2,296,613
VOTING MACHINE
Alvin N. Gustavson, Jamestown, N. Y., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y., a corporation of Delaware
Application April 14, 1941, Serial No. 388,414
4 Claims. (Cl. 281—9)



3. A signature recording device for use with and operation by a reciprocable member of a voting machine comprising a container, means fixedly securing said container to a wall of said machine, the corresponding walls of said machine and said container having concentric apertures, a rod pivotally associated at one end with a wall of said container and projecting through said apertures into said machine, said rod being engageable by and movable with said machine

member in only one direction, receiving means for a signature strip, means operably connected with said rod, strip feeding means connected with and movable by said rod to feed a strip past an aperture in one wall of said container onto said receiving means, and further means for returning said rod and said feeding means to inoperative position upon completion of the reciprocation of said machine member.

2,296,614

LIQUID PHASE HALO-SUBSTITUTION OF PARTIALLY HALOGENATED UNSATURATED ORGANIC COMPOUNDS

George W. Hearne, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 13, 1939, Serial No. 299,286

6 Claims. (Cl. 260—654)

5. A process for chlorinating, via substitution, a partially chlorinated unsaturated hydrocarbon containing an olefinic linkage between two non-tertiary carbon atoms at least one of which is secondary and has a chlorine atom attached directly thereto, the carbon atoms in vicinal relationship to this chlorinated unsaturated carbon atom being free from chlorine atoms directly attached thereto, to produce a compound wherein the substituted chlorine is on the carbon atom in allyl position with respect to the olefinic linkage, which comprises reacting the partially chlorinated unsaturated hydrocarbon in the liquid phase with chlorine in the deliberate presence of oxygen, thereby inhibiting chlorination via addition.

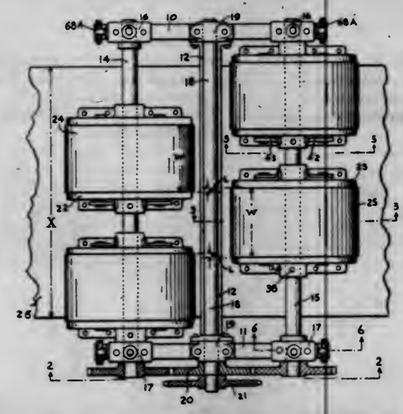
2,296,615

ABRASIVE MACHINE OF THE ROTOR TYPE

Louis Ilmer and Vernon R. Pallas, Cortland, N. Y.; said Pallas assignor to Leota T. Pallas

Application January 30, 1941, Serial No. 376,646

10 Claims. (Cl. 51—194)



6. An abrasive machine including a driven axle, a cylindrically hollow rotor mounted upon said axle, floating dual journal blocks respectively mounting opposed axle ends, resilient means thrusting said blocks in a direction perpendicular to the axle length, and fluid actuated diaphragm means for controllably exerting pressure counterwise to said resilient thrust.

2,296,616

ELECTROLYTIC PROCESS OF MAKING PHOTOSENSITIVE MOSAIC SCREENS

Lewis R. Koller, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 1, 1939, Serial No. 254,070

3 Claims. (Cl. 204—15)



1. The process of forming a photo-sensitive mosaic screen which comprises electrolytically oxidizing an aluminum base, producing a silver coating on the oxide, heating the base member to cause the oxide thereon to become separated into discrete islands and sensitizing the silver with a photo-sensitive material.

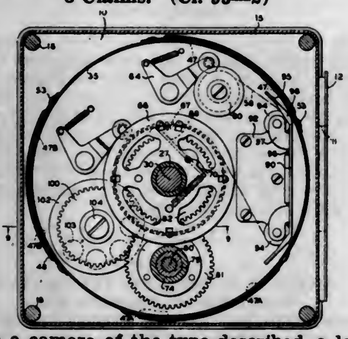
2,296,617

COLOR PHOTOGRAPHY

Harold P. Mixer, Rockville Centre, N. Y.

Application October 11, 1940, Serial No. 360,700

8 Claims. (Cl. 95—2)



1. In a camera of the type described, a lens, a rotatable drum having a plurality of filters mounted thereon adapted to be successively positioned in register with said lens, a film roll and a winding reel therefor mounted in said drum but not rotatable therewith, and a driving means for said reel actuated by said drum for feeding film when said filters are not in register with said lens.

2,296,618

SILICATE TREATED TITANIUM PIGMENT

Gordon D. Patterson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 2, 1939, Serial No. 254,160

7 Claims. (Cl. 106—300)

1. A process for treating a titanium dioxide pigment which comprises mixing with an aqueous slurry of said pigment about 1% to 10%, based on the weight of the pigment, of an alkali metal silicate, and thereafter adding to the slurry as a precipitant barium chloride thereby precipitating an insoluble silicate in the presence of the pigment.

2,296,619

SPRAG

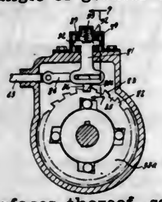
Carl F. Rauen, Grosse Pointe, Mich.

Application September 19, 1938, Serial No. 230,641

61 Claims. (Cl. 192—4)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In the drive system of a motor vehicle, automatic means to prevent undesired retrograde movement of said vehicle, said means including a member provided with lugs, a part adapted to cooperate with said lugs, said lugs and said part having load holding surfaces and faces arranged at an included angle of greater than 90° to the



load holding surfaces thereof, said angle being disposed and arranged so that said part cannot drop into full engagement with said lugs while said vehicle is moving backwardly at any appreciable speed but can drop into full engagement with said lugs while said vehicle is moving forwardly at appreciable speed.

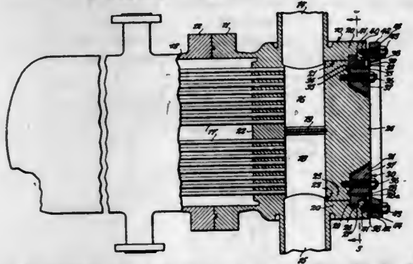
2,296,620

CLOSURE FOR PRESSURE VESSELS

Townsend Tinker, Boston, N. Y., assignor to Ross Heater & Manufacturing Co. Inc., Buffalo, N. Y., a corporation of New York

Application May 11, 1939, Serial No. 273,047

2 Claims. (Cl. 220—46)



1. A pressure vessel having a wall which defines an opening and which is formed with an annular keyway and a seat, a cover which fits in said opening and which is formed to provide a second seat, a key for transmitting to said wall the pressure exerted against said cover, said key comprising a plurality of sections, each of which is formed with a hub portion, fits in said keyway and overlies the marginal edge of said cover, said hub portions extending outwardly beyond said keyway and being formed in their outer faces with notches in which a tool may be inserted to effect withdrawal of the key sections from said keyway, a sealing member which is arranged over said key, which prevents displacement of the sections of the latter from said keyway, and which fits against both of said seats and means for forcing said sealing member against said seats with a pressure adequate to seal the joints thus provided.

2,296,621

LIGHTNING ARRESTER

Elmer J. Wade, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application August 18, 1939, Serial No. 290,855

5 Claims. (Cl. 175—30)

1. A lightning arrester including an insulating tube of gas emitting material, an electrode at each end of the tube, at least one of the electrodes extending into the tube to provide an internal gap shorter than the external distance between the electrodes, and a high resistance coating along the outer surface of the tube and con-



necting said electrodes to increase the uniformity of distribution of the voltage between the electrodes whereby deterioration of the inner tube walls adjacent the electrodes due to corona formation at the electrodes during normal voltage conditions is substantially precluded.

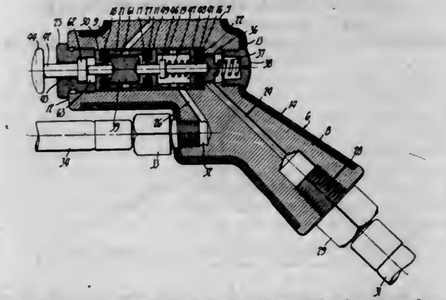
2,296,622

TIRE INFLATOR VALVE MECHANISM

Carl E. Wehe, Oakland, Calif.

Application April 22, 1941, Serial No. 389,732

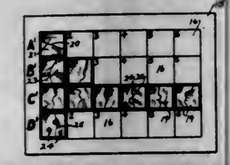
8 Claims. (Cl. 137—695)



1. A valve assembly for a tire inflator mechanism comprising, a body having a cylindrical valve chamber opening to a side thereof, a plurality of valve washers mounted in longitudinally spaced position in said chamber, spacer means mounted between and supporting said valve washers, closure means for said chamber at the outer end thereof holding the assembly of washers and spacer means in position, said body being formed with a passage adapted for connection to a source of air under pressure and connected to said chamber inwardly of the innermost washer, said body being provided with a second passage adapted for connection to a tire or the like to be inflated and connected to said chamber between the innermost and next outer washer, said body being provided with a passage adapted for connection to a gauge and connected to said chamber between said second washer and the outermost washer, a valve mounted for reciprocation in said chamber inwardly of said first washer, resilient means normally urging said valve to a seated position on said first washer, a double faced valve member mounted for reciprocation between said second and third washers, means connecting said valve and valve

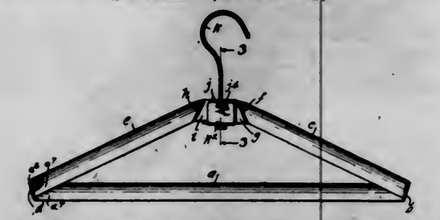
member and normally urging said valve member to a seated position on said third washer, and manually operating means connected to said valve member for displacing the latter from its seated position on said third washer to a seated position on said second washer to jointly unseat said valve.

2,296,623
GAME
Edward V. P. Albosta, Philadelphia, Pa.
Application May 8, 1940, Serial No. 333,908
1 Claim. (Cl. 273—135)



In a game of the class described, player equipment comprising a game board, a plurality of charts and player pieces, matchable as to shape, in pairs, said game board having a set of rows of spaces, having the same given number of spaces in each of said game board rows, and said charts each having two rows of spaces, side by side, with the same number of spaces in each row as there are in each of the said rows of spaces on said game board.

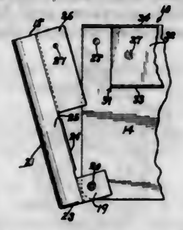
2,296,624
COLLAPSIBLE GARMENT HANGER
Carl N. Bergstrom, Portland, Oreg.
Application September 7, 1937, Serial No. 162,629
1 Claim. (Cl. 223—87)



A garment hanger of the character described comprising a crossbar of uniform inverted U cross section throughout the entire length thereof, an arm at each end thereof, also of inverted U cross section throughout its entire length and wherein each of said arms is joined to the ends of said crossbar by inverted U hinges, means for securing the free ends of said arms together when at their angular positions and a hook provided therefor.

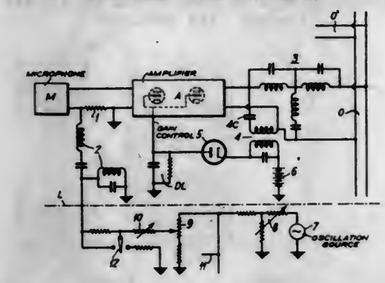
2,296,625
VENETIAN BLIND BRACKET
Anthony Bird and Charles J. Strebel, Chicago, Ill., assignors to General Hardware Mfg. Co., Chicago, Ill., a partnership consisting of Anthony Bird and Charles J. Strebel
Application January 17, 1941, Serial No. 374,812
6 Claims. (Cl. 156—17)

1. A bracket for supporting Venetian blinds and the like, comprising a main backing member including means for mounting it on the window frame, a resilient clip provided with a rearwardly extending part pivoted to said main member and a lower part for supporting the facia board and a rearwardly extending lip, cooperating elements on said lip and on said main member to retain the two together, and bracket means on said main member including means off-set inwardly from



the main member for receiving the lip therebehind, whereby to hold the clip securely in its operative position.

2,296,626
SIGNAL AMPLIFYING SYSTEM
Alan Dower Blumlein, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application March 29, 1939, Serial No. 264,733
In Great Britain March 30, 1938
3 Claims. (Cl. 179—171)



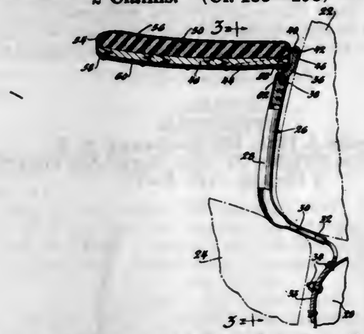
1. In an amplifying system a plurality of amplifiers each comprising an electron discharge device having input and output electrodes with means for impressing voltages to be amplified on the input electrodes of each of said amplifiers and a common load circuit coupled with the output electrodes of each of said devices, means for controlling the gain of the individual amplifiers as an inverse function of the amplitude of a control voltage including, a local source of control voltages of a frequency outside the range of the frequencies of the voltages impressed on the inputs of the plurality of amplifiers, separate circuits each parallel-tuned to the frequency of the voltages from said source coupled to the input electrodes of the device in each of said amplifiers, a master voltage amplitude regulating means coupled to said source, individual voltage amplitude adjusting circuits and voltage fading means coupling said master voltage amplitude regulating means to each of said separate parallel-tuned circuits, separate filter circuits connected with the output electrodes of the device in each of said amplifiers, said filter circuits being tuned to pass voltages of a frequency of the order of the frequency of the voltages of said source, a gain control circuit connected with the input electrodes of the device in each amplifier and separate rectifiers each having output electrodes connected with one of said gain control circuits and input electrodes coupled to one of said filter circuits.

2,296,627
TIME LAG FUSE
George R. Brown, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application October 30, 1937, Serial No. 171,946
6 Claims. (Cl. 200—123)



3. In a time lag fuse, a casing, a perforated plug separating said casing into two compartments, a fusible link in one compartment fastened to said plug, a cup in the other compartment, fusible material uniting said cup and plug, a disk covering said perforation and disposed between said cup and said plug, and spring means acting to separate said cup and plug upon volatilization of said link and melting of said material under overload of said fuse whereby said cup and plug are separated and said disk is released to permit gas pressure in said one compartment to be released into said other compartment.

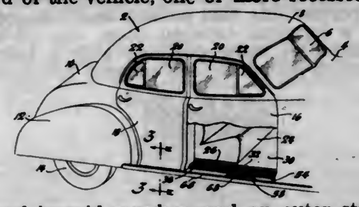
2,296,628
ARM REST
Kenneth E. Coppock, Pleasant Ridge, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 17, 1941, Serial No. 388,938
2 Claims. (Cl. 155—198)



1. In an arm rest adapted to be attached to the seat of an automotive vehicle, a retainer attached to the seat, said retainer having a tine, a socket on the arm rest capable of being removably received over the tine to hold the arm rest in position, said arm rest having an upwardly extending hollow shank portion shaped to fit against the seat back, a bracket mounted in the top of the shank portion, an arm hinged to the bracket, said arm capable of being swung outwardly and away from the seat back into substantially parallelism with the seat cushion to form an arm rest, and means on the bracket to limit the outward movement of the arm.

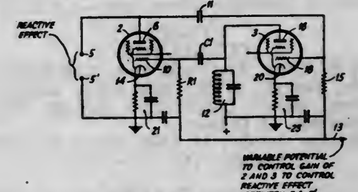
2,296,629
FOOT SCRAPER
Kenneth E. Coppock, Pleasant Ridge, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 27, 1941, Serial No. 400,066
2 Claims. (Cl. 280—164)

1. In an automobile body, an edge member secured to the outer lower edge of the body and forming a continuation of the floor and running-board of the vehicle, one or more recessed parts



formed in said member, and an outer strip secured to the edge member to close the recess and form a foot scraper.

2,296,630
WAVE CONTROL AND CONTROL CIRCUITS
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application May 25, 1938, Serial No. 209,919, now Patent No. 2,250,095, dated July 22, 1941. Divided and this application June 19, 1941, Serial No. 398,727
5 Claims. (Cl. 179—171.5)

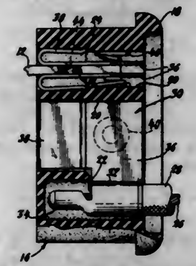


1. In a wave length modulation system, a tube reactance of the type wherein alternating current voltages to be modulated flowing in a tuned circuit are impressed substantially in phase quadrature upon two of the tube electrodes and its gain varied in accordance with signals to produce a variable reactive effect between the said tube electrodes to vary the reactance of said tuned circuit and thereby the wave length of said voltages, means for increasing said reactive effect and thereby improving said wave length modulation including an additional tube having input and output electrodes, means for impressing one of said voltages on the input electrodes of said additional tube for amplifying said one of said impressed voltages, and phase shifting means for impressing said amplified voltage on an electrode of said first tube substantially in phase quadrature with the voltage on the other electrode of said first tube.

2,296,631
HEADLIGHT CONNECTOR
Harry C. Doane, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 28, 1940, Serial No. 358,777
3 Claims. (Cl. 173—328)

1. A connector comprising an insulator having a passage therethrough provided with a shoulder intermediate its ends facing one end of the passage, and having a socket alongside the passage and parallel therewith, the end of said socket adjacent said end of the passage being closed, the opposite end of the socket being open and communicating laterally with said passage, a clip made of sheet metal and comprising an intermediate looped portion seated in the socket and

aligned therewith and secured to a conductor extending from the open end of the socket, parallel blade members extending laterally from the looped portion into said passage and adapted to receive a terminal between them, one of said blade members being provided with a return-bent portion having its end engaged behind said



shoulder to prevent withdrawal of the clip from the passage in the direction of the open end of the socket, a wall of the socket engaging said clip to prevent withdrawal of the clip in the opposite direction, and spring means engaging said blades and yieldingly urging them into engagement with each other.

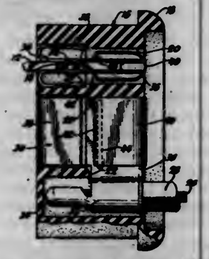
2,296,632

CONNECTOR

Robert N. Falge, Anderson, Ind., and Charles E. Wade, Sturgis, Mich.; said Falge assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 11, 1940, Serial No. 360,756

2 Claims. (Cl. 173—328)



1. A connector comprising an insulator having a passage therethrough and a socket therein parallel with said passage and communicating with the passage at one side thereof, a clip comprising an intermediate tubular portion fitted in said socket, a conductor secured in said tubular portion and extending from the open end of said socket, blades integral with said tubular portion extending laterally from said portion into said passage and adapted to receive a terminal between them, said blades being provided with return bent portions engaging the walls of the passage and yieldingly urging the main body portions of the blades toward each other, the walls of said passage being provided with shoulders engaged by the ends of said return bent portions to prevent withdrawal of the clip from the socket and passage in one direction, the engagement of a wall of the socket with the clip preventing withdrawal of the clip in the opposite direction and a U-shaped spring clip embracing said blades within said passage at the end opposite said return bent portions and adapted to yieldingly press said blades toward each other to increase the pressure on the terminal, said clip being normally spaced from the walls of said passage.

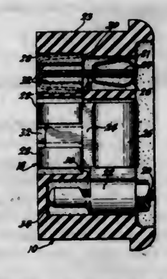
2,296,633

HEADLIGHT CONNECTOR

Robert N. Falge, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 9, 1940, Serial No. 369,170

2 Claims. (Cl. 173—328)



1. In a connector the combination of an insulator having a passage therein, a clip in said passage comprising opposed blades having return-bent portions having their free ends engaging the walls of said passage so as to yieldingly urge the blades into engagement with each other, said blades being adapted to receive the terminal between them, the bent over parts of said return-bent portions being exposed at one end of said passage and having recesses therein, and opposed projections on said insulator at said end of said passage extending into said recesses and spaced apart to permit the terminal to pass between them into engagement with said blades but obstructing passage of the terminal between the blade and the adjacent wall of the passage.

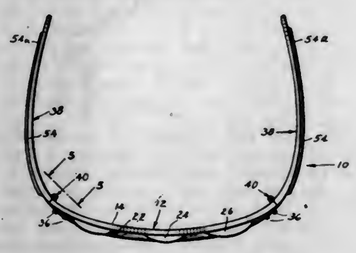
2,296,634

EYESHIELD

George I. Fink, Far Rockaway, N. Y.

Application October 27, 1941, Serial No. 416,637

4 Claims. (Cl. 2—12)



1. An eye-shield comprising a concavo-convex member of molded transparent material shaped to fit over the wearer's eyes and to conform to the wearer's face in close abutting relation with the wearer's forehead and with the parts of the face below the eyes, said member extending from a point near the outer end of one eye to a point near the outer end of the other eye and from above the eyes to below the eyes, said member having an outer convex surface and an inner concave surface, each of said surfaces having a continuous curvature from one end to the other end thereof and from its upper edge to its lower edge, there being a central recess in the lower edge of said member to fit the latter over the wearer's nose.

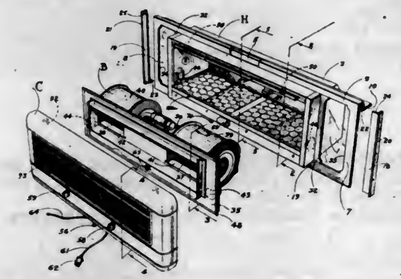
2,296,635

VENTILATOR

Arthur F. Foehrenbach and Donald B. Buergin, Canton, and Donald K. Macleod, Wooster, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application July 31, 1940, Serial No. 348,792

9 Claims. (Cl. 98—94)



1. In ventilating apparatus, a housing, means for supporting said housing partially inside and partially outside of a window, said housing having a bottom portion provided with a plurality of openings disposed outside of the window and a plurality of openings disposed inside of the window, a sliding damper having openings corresponding to said housing bottom openings, means for sliding said damper to vary the ratio of outside opening to inside opening, and means in said housing for drawing air through said openings and discharging said air inside of said window.

2,296,636

HIGH SURFACE HIDING PIGMENT MATERIAL AND PROCESS OF MAKING THE SAME

Marion L. Hanahan, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 8, 1938, Serial No. 244,571

29 Claims. (Cl. 106—294)

1. A process for producing a pigment of improved surface hiding power which comprises mixing a water soluble silicate with an aqueous suspension of a white pigment, precipitating silica as a gel-like coating on said pigment by acidifying the suspension, dewatering the pigment suspension and drying the pigment without calcination.

2,296,637

HIGH SURFACE HIDING PIGMENT MATERIAL AND PROCESS OF MAKING THE SAME

Marion L. Hanahan, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 8, 1938, Serial No. 244,572

26 Claims. (Cl. 106—308)

1. A process for producing an extender of improved surface hiding power which comprises mixing a water soluble silicate with an aqueous suspension of an extender, precipitating silica as a gel-like coating on said extender by acidifying the suspension, dewatering the suspension and drying the extender without calcination.

2,296,638

HIGH SURFACE HIDING PIGMENT MATERIAL AND PROCESS OF MAKING THE SAME

Marion L. Hanahan, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 8, 1938, Serial No. 244,573

15 Claims. (Cl. 106—298)

1. A process for producing a colored pigment of improved surface hiding power which comprises mixing with an aqueous suspension of a colored pigment between about 0.25% and about 35%, calculated as SiO_2 and based upon the weight of the pigment before treatment of a sodium silicate solution, acidifying the slurry, dewatering, and drying at a temperature not in excess of about 300° C.

2,296,639

HIGH SURFACE HIDING PIGMENT MATERIAL AND PROCESS OF MAKING THE SAME

Marion L. Hanahan, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 2, 1939, Serial No. 254,161

21 Claims. (Cl. 106—294)

1. A process for producing pigment materials of improved surface hiding power and low water sensitivity, which comprises mixing with an aqueous suspension of a pigment material a water soluble silicate and a water soluble salt of a polyvalent metal thereby precipitating the silica as a coating of a polyvalent metal silicate on the particles of said pigment material, dewatering the suspension and drying the pigment material without calcination.

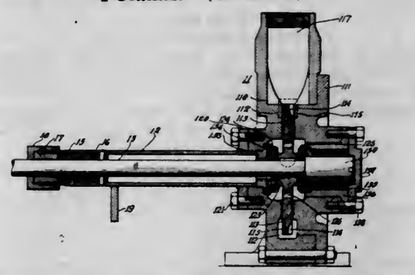
2,296,640

ROTARY APPARATUS FOR PUMPING VOLATILE LIQUIDS

Odd A. Hansen, Kenmore, N. Y., assignor to The Linde Air Products Company, New York, N. Y., a corporation of Ohio

Application July 13, 1940, Serial No. 345,309

4 Claims. (Cl. 62—1)



4. In rotary type pumps and the like, for pumping a volatile liquid having a boiling point at atmospheric pressure materially below 273° K., the combination with a casing having a liquid inlet, a liquid outlet, and a circumferentially disposed channel, of a shaft rotatively disposed in said casing and provided with a rotary pumping element or rotor cooperatively disposed with respect to said inlet, said outlet, and said pumping channel, said casing having portions on each side of said rotor axially spaced from said rotor, and means about said shaft in said casing in-

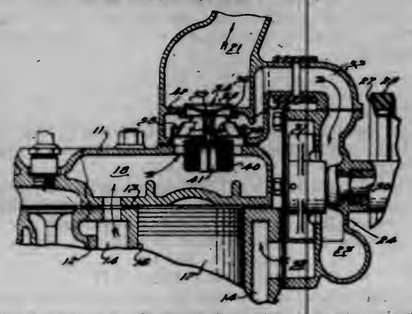
cluding self-lubricating thrust bearings engaged between each rotor side and the said casing portion adjacent thereto for positioning said rotor relatively to said casing and maintaining a substantially equal thrust on each side of said rotor irrespective of the effects of temperature changes.

2,296,641

ENGINE WATER CIRCULATING SYSTEM

William M. Hawkins, Jr., Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application September 27, 1940, Serial No. 358,642
4 Claims. (Cl. 123—174)



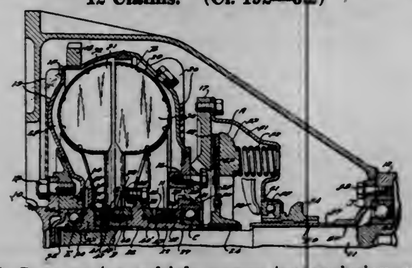
1. A water cooling system for a water-cooled internal combustion engine comprising a radiator, an outlet passage from the water passages of the engine to the top of said radiator, a pump, a suction passage to said pump from the bottom of said radiator, an inlet passage to the water passages of the engine from said pump, a by-pass passage from the engine to the suction side of said pump, a thermostatic, two-way valve directing the flow of water through said outlet passage or said by-pass passage for controlling the flow of cooling water through said radiator and pump or through said pump alone in response to the temperature of the water, a gas collecting chamber in said by-pass passage, and a bleed hole extending from the top of said chamber into said outlet passage.

2,296,642

POWER TRANSMISSION

George J. Huebner, Jr., Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application March 13, 1941, Serial No. 383,193
12 Claims. (Cl. 192—3.2)



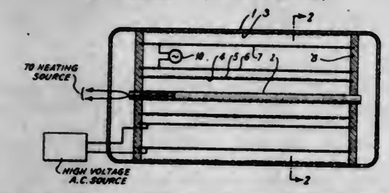
1. In a motor vehicle power transmission system having a driving shaft and a driven shaft disposed rearwardly of the driving shaft and adapted to drive the vehicle; a fluid coupling having impeller and runner structures providing a fluid drive-transmitting circuit therebetween; a clutch disposed rearwardly of said coupling and comprising driving and driven clutching structures; a shrouding for said coupling secured to said driving shaft and driving clutching structure; means comprising a hollow hub surrounding said driven shaft for drivingly connecting said driven clutching structure with said impeller structure; means for drivingly connecting said runner structure with said driven shaft; and means journalling said hollow hub within said shrouding, said journalling means being so constructed and arranged as to accommodate limited tilt of said hollow hub and impeller structure as a unit with respect to the axis of said driving shaft.

2,296,643

LUMINESCENT LAMP

Humboldt W. Leverenz, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 22, 1941, Serial No. 384,629
11 Claims. (Cl. 176—122)



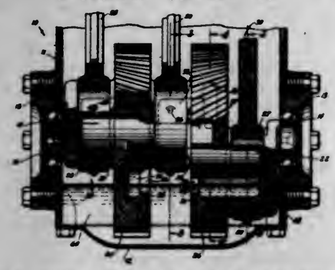
1. A luminescent lamp comprising an envelope, a pair of oppositely disposed luminescent phosphor screens having differing spectral emission properties whereby luminescence developed by one of said screens, develops luminescence in the other of said screens, means to develop electrons within said envelope and dual electrode means including an electrode adjacent each of said screens adapted when energized with alternating current potentials to oscillate electrons between said screens to render said screens luminescent.

2,296,644

CRANKSHAFT OILING SYSTEM

Roy M. Magnuson, Campbell, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application April 28, 1941, Serial No. 390,720
2 Claims. (Cl. 184—6)



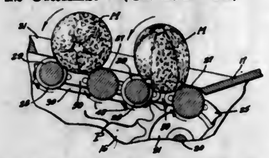
2. In a pump having a crank case embodying an oil sump, and a crank shaft having a crank pin and a crank arm, said crank shaft being mounted in said crank case so that the crank arm dips into oil in said sump as the crank revolves, the combination of: an oil cavity within said crank pin and communicating exteriorly of the crank shaft through an opening formed in the crank arm for movement below the oil level in said sump as the crank revolves and an oil passage extending from said cavity to the bearing surface of said crank pin to conduct to said bearing surface oil which has flowed by gravity into said opening while the latter is disposed below the oil level in said sump.

2,296,645

MELON ALIGNING AND SPACING CONVEYER

George P. Marsden, Los Angeles, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application July 17, 1941, Serial No. 402,764
12 Claims. (Cl. 198—33)



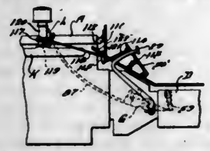
1. A fruit feed conveyer comprising: a pair of spaced endless chains; an endless series of rollers pivotally suspended at their ends between said chains in pairs, the rollers of each pair being closer together than the distance separating that pair from adjacent pairs; and means for mounting and driving said chains to cause a flight of said conveyer to travel upward at an inclination from horizontal, there being an annular channel formed in the lowermost roller of each of said pairs of rollers traveling upward in said flight to prevent fruit coming to rest between the rollers of a single one of said pairs.

2,296,646

THROTTLE CONTROL

Victor E. Matulaitis, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application October 9, 1940, Serial No. 360,475
19 Claims. (Cl. 74—472)



1. In combination with an engine having a throttle adapted for opening and closing movements, dashpot means operable to retard only the last part of the throttle closing movement, said dashpot means comprising a movable dashpot element and a pressure-fluid-receiving chamber cooperably associated with said element for retarding movement thereof, and means operable to vent said chamber so as to render said dashpot means ineffective to retard the last part of the throttle closing movement.

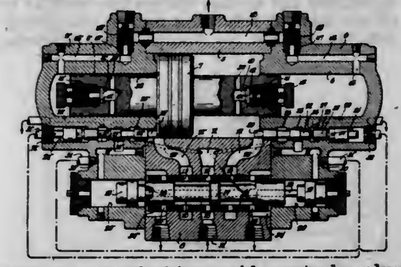
2,296,647

HYDRAULIC PRESSURE BOOSTER

John H. McCormick, Racine, Wis., assignor to Racine Tool & Machine Company, Racine, Wis., a corporation of Wisconsin

Application February 28, 1941, Serial No. 381,046
4 Claims. (Cl. 121—157)

1. In a hydraulic booster having a cylinder, a motor piston operating in said cylinder and a reversing valve for alternately respectively connecting opposite ends of said cylinder with a source of hydraulic pressure fluid and exhaust, the combination with said piston and said valve of a pair of control valves for said reversing valve, means for operating said control valves alternately by the piston as it reaches the end of its stroke, hydraulically operated means for returning said control valves, and means for hydraulically interlocking said control valves to prevent their movement except at the end stroke positions of the movement of the piston, said valves in turn preventing movement of the reversing valve until one of said valves has been operated and the other has been moved to a position for acutation by the piston on its return stroke.

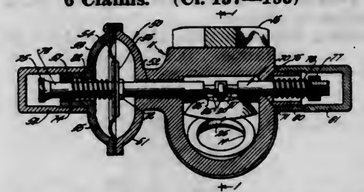


2,296,648

AUTOMATIC SHUTOFF VALVE FOR HIGH AND LOW PRESSURE AND TEMPERATURE RELEASE

Michael McMahon, South Gate, Calif.

Application March 3, 1941, Serial No. 381,484
6 Claims. (Cl. 137—153)



1. A valve having a housing, a seat in the housing, a valve adapted to seat thereon, a rod axially movable in the housing having a protuberance thereon, means for moving said rod in accordance with pressures within the housing, and means on the valve engageable with the protuberance for holding the valve open until the pressure in the housing abnormally increases or decreases in which event said protuberance will disengage said means and allow said valve to close.

2,296,649

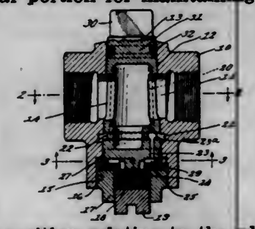
LUBRICATED VALVE STRUCTURE

Frank H. Mueller and Walter J. Bowan, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois

Application September 12, 1940, Serial No. 356,530
2 Claims. (Cl. 251—93)

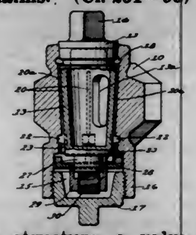
1. A plug valve including a casing having a line passage and an inclined valve seat formed transversely of the line passage, a tapered valve plug rotatably mounted in said seat for controlling the flow of the fluid through the line passage, said valve seat having an annular groove adjacent the larger end thereof and spaced longitudinally extending grooves communicating with the annular groove, said casing having an outwardly extending tubular portion into which the large end of said plug extends, said plug having a circumferentially disposed groove communicat-

ing with the annular groove in said casing and a port extending from said circumferential groove to the large end of the plug, a washer associated with the large end of the plug, said washer having a central opening and radial slots communicating with said chamber, means for non-rotatably mounting the washer within the tubular portion of the casing, retaining means connected to said tubular portion for maintaining the washer



in proper position relative to the plug, said retaining means having a lubricating chamber therein, said port being arranged to be moved into and out of registration with one of said radial slots to control the pressure of lubricant in said grooves, and means for applying pressure to the lubricant in said chamber, said retaining means and washer coacting with the pressure of the lubricant in the chamber to maintain the plug in proper position relative to the valve seat.

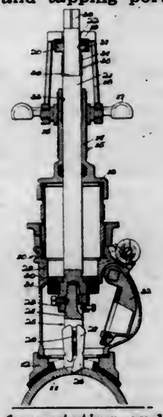
2,296,650
LUBRICATED VALVE
Frank H. Mueller and Walter J. Bowan, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application September 18, 1940, Serial No. 357,329
4 Claims. (Cl. 251—93)



1. In a valve structure, a valve casing provided with a seat and a transversely arranged flow passageway, a valve rotatable in the seat and provided with a radial flow passage, lubricant grooves in the seating surface of the valve structure, a lubricant chamber in the casing member, ports between the chamber and lubricant grooves, a carrier in the lubricant chamber urged toward the ports, and port controlling members mounted on the carrier, said members having a curved face bearing on the carrier to have rocking engagement with respect to the latter and a flat face opposite the ports to bear upon the latter.

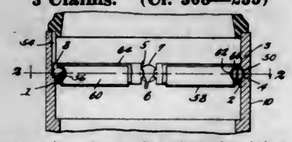
2,296,651
DRILLING APPARATUS
Frank H. Mueller and Walter J. Bowan, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Original application July 17, 1940, Serial No. 346,052. Divided and this application December 12, 1941, Serial No. 422,769
6 Claims. (Cl. 77—38)

1. In a drilling and tapping machine, a barrel adapted to be disposed in substantially radial relation to a main to be drilled and tapped, a cap closing the outer end of the barrel, a boring bar rotatable and reciprocable in a bore in said cap and equipped to carry at its inner end a bit comprising drilling and tapping portions, manually



operable means for rotating and advancing the bar for drilling a hole, and means automatically effective upon continued rotation of the bar after completion of the drilling operation for advancing the bar in conformity with the pitch of said tapping portion.

2,296,652
IGNITION TIMER
Lawrence Warren Ray, Gladewater, Tex.
Application June 14, 1941, Serial No. 398,147
3 Claims. (Cl. 308—235)

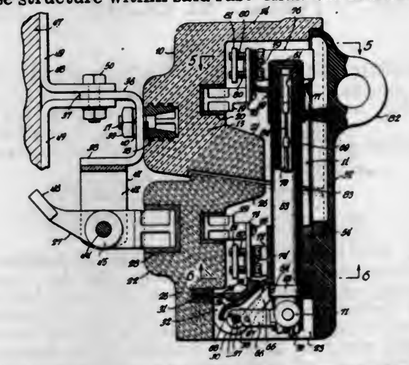


1. Repair structure for the ignition timer of an internal combustion engine, said structure comprising a renewable, transversely divided wear ring including first and second flange portions shaped for engagement with the inner surface of a housing, on opposite sides of a ball race groove therein, the first and second flange portions being connected by a trough-like member, the convexity of which is shaped to fit closely in said ball race groove of a housing, the concavity of said member forming an inwardly facing ball race, anti-friction balls in the race of the ring, and means for holding the ring against rotation, the ring being cut away transversely, to produce connecting elements of reduced width, which are parts of the first flange portion.

2,296,653
HOUSING FOR FUSE DEVICES
William O. Schultz, South Milwaukee, and Alwin G. Steinmayer, Milwaukee, Wis., assignors to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application April 25, 1941, Serial No. 390,296
23 Claims. (Cl. 200—133)

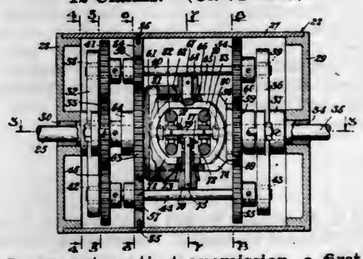
18. A housed fuse comprising: a housing divided intermediately of its length to form two complementary normally adjacent parts at least one of which is movable relatively to the other to effect separation therebetween, each of said parts

being recessed complementarily to the other to form a substantially continuous fuse-chamber extending lengthwise of the housing, a pair of spaced terminals, each carried by one of said parts individually and disposed within said fuse-chamber, the movable part or parts of said housing being biased for movement away from the other, fuse structure within said fuse-chamber including



an expulsion cartridge extending lengthwise of said chamber and a fuse-link extending through said cartridge and normally electrically interconnecting said terminals, and latching means dependent upon the integrity of said fuse-link for normally restraining said parts against separation, said latching means being deactuable in response to severance of said fuse-link for determining the normal restraining effect thereof.

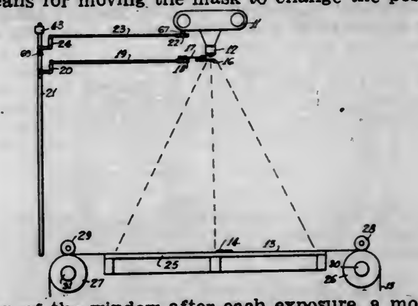
2,296,654
AUTOMATIC TRANSMISSION
Irving Stein, Philadelphia, Pa., and Max Rodin, Louisville, Ky.
Application March 7, 1941, Serial No. 382,174
12 Claims. (Cl. 74—259)



1. In an automatic transmission, a first shaft, a train of gears associated therewith, a second shaft spaced apart endwise from said first shaft and having a train of gears associated therewith, a cage mounted on the inner ends of said shafts and keyed to one of said shafts, gyroscopic means within said cage connected to one of said trains of gears, said cage being connected to the other of said trains of gears, one of said shafts constituting a drive shaft, and the other constituting a driven shaft adapted to be driven at a speed governed by said gyroscopic means in accordance with the torque thereof.

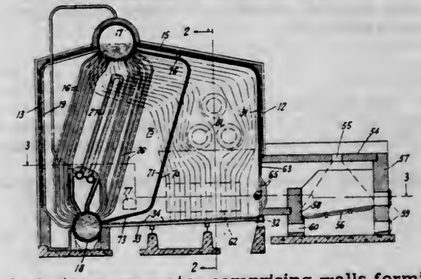
2,296,655
PHOTOGRAPHIC SYSTEM AND APPARATUS
Robert Stuart, Forest Hills, Long Island, N. Y.
Application April 25, 1941, Serial No. 390,279
13 Claims. (Cl. 88—24)

1. A system for making multi-photographs on sensitized sheets comprising a camera with an optical system for exposing the entire sheet, a mask covering said sheet and having a window therein for exposing only the position of the sheet opposite the window, electrically operated means for moving the mask to change the posi-



tion of the window after each exposure, a movable support for the object to be photographed for locating the object to correspond with the location of the window, said movable support controlling the circuit of said electrically operated means.

2,296,656
STEAM GENERATING UNIT
Edward H. Vicary, Port Angeles, Wash., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application September 6, 1940, Serial No. 355,555
6 Claims. (Cl. 122—336)

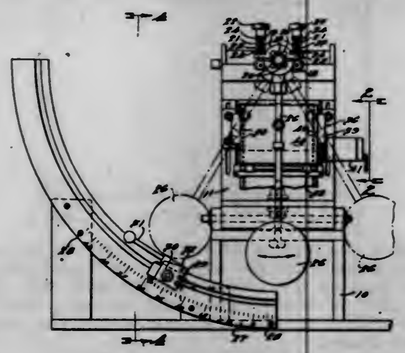


1. A steam generator comprising walls forming a setting, a vertically disposed bank of steam generating tubes extending along one side of said setting, a vertically disposed partition separating the space containing said tube bank from a laterally adjoining furnace chamber except at one end of said tube bank, a fibrous fuel burning cell having a heating gas outlet into one side of said furnace chamber adjacent the communicating end of said tube bank, and a second vertically disposed partition in said furnace chamber extending in spaced relation across the communicating end of said tube bank to a point overlapping said first partition and defining a gas pass extending in the same direction as said tube bank space and forming a gas flow connection between said tube bank space and the remaining portion of said furnace chamber.

2,296,657
SURFACE TESTING APPARATUS
David A. Wallace, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 21, 1940, Serial No. 371,083
9 Claims. (Cl. 265—10)

1. In a surface testing apparatus, a part hav-

ing a surface to be tested, a second part having a surface of predetermined smoothness characteristics adapted to operate on the surface to be tested, means supporting said parts whereby oscillatory movement of one thereof is accommodated relative to the other thereof, a pendulum operatively connected with said one part adapted to be moved to a selected position and to be released therefrom to effect oscillatory movement of said one part relative to said other part, mechanism operable to record the operation of said pendulum and means operable incident to release of said pendulum from said selected position for effecting operation of said mechanism, said mechanism including a movable tape and tape-moving means operable during movement of the pendulum as aforesaid.

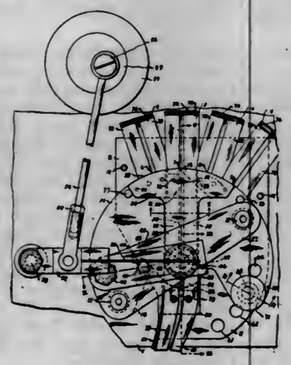


2,296,658

MULTISTATION RIVET SELECTOR

Loyd A. Ward, Jackson, Mich., assignor to Tomkins-Johnson Company, Jackson, Mich., a corporation of Michigan

Application February 13, 1941, Serial No. 378,709
15 Claims. (Cl. 78—46)



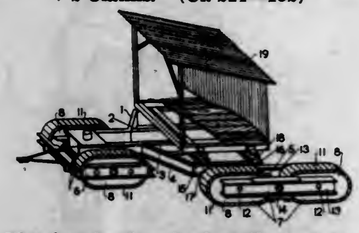
1. A multi-station rivet selector comprising a plurality of rivet stations, a shiftable rivet selector, means to shift at will said selector into operative relation with any one of said stations, means to prevent the movement of rivets from those of said stations not in operative relation with said selector, and means to actuate said selector to select a rivet from the station with which it is in operative relation.

2,296,659

METHOD AND EQUIPMENT FOR MOVING DRILLING RIGS

William F. Bates, Bakersfield, and Charles A. Yeatman, Los Angeles, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application December 28, 1940, Serial No. 372,026
2 Claims. (Cl. 214—152)



1. The herein described method of loading a derrick structure upon a trailer unit for transporting purposes, said derrick structure including a steel grillage support therefor, including a rearwardly disposed member, a forwardly disposed member, and an intermediately disposed member, all of said members being disposed in parallel; said trailer unit comprising a pair of double track wheels including grillage receiving elements mounted thereon, a trailer bed, a tongue member formed as an extension of said trailer bed, a track wheel assembly supporting said tongue member, and loading channels mounted on said trailer bed and spaced apart the same distance as said forwardly and intermediately disposed members of said steel grillage, said loading method comprising disengaging said pair of double track wheels from said trailer unit and disposing said pair of double track wheels under opposite ends of said rearwardly disposed member of said steel grillage support and at right angles thereto, said grillage receiving elements engaging said rearwardly disposed member and disposing said trailer bed beneath said steel grillage support, said loading channels mounted on said trailer bed engaging said forwardly and intermediately disposed members of said steel grillage support and thereafter detachably securing said trailer bed to said steel grillage support.

2,296,660

ICE CREEPER

Samuel G. Bowman, Mount Lebanon, Pa., assignor of one-half to Karl F. Bauerschmidt, Knoxville, Pa.

Application April 22, 1941, Serial No. 389,763
2 Claims. (Cl. 36—62)



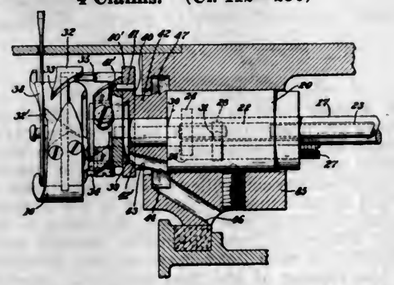
1. In a creeper comprising a plate cleated on one side and relatively smooth on the other, and an elastic band adapted to secure the plate in position upon the sole of the shoe of the user; the refinements herein described in which said plate is anchored adjacent to its opposite ends to said band, said plate, when secured upon the shoe of the user (with the band positioned in encompassing relation upon the instep of the shoe), being adapted by virtue of the elasticity of said band to be inverted from a position in which the smooth side of the plate is presented upward, with the instep-encompassing band arranged flat upon the vamp of the shoe, to a position in which said smooth side of the plate is presented downward, with the instep-encompassing band twisted in its extent over the vamp of the shoe, said plate being of substantially greater width than said band and thereby adapted to remain in inverted position against the torsional stress of the twisted band.

2,296,661

ROTARY HOOK FOR SEWING MACHINES

David A. Graesser, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application November 6, 1940, Serial No. 364,473
4 Claims. (Cl. 112—256)



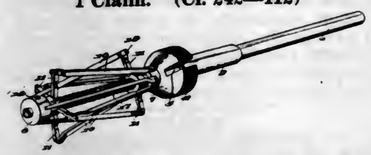
2. In a sewing machine, in combination, an oil reservoir, a hook-actuated shaft, means for supplying oil from said reservoir to said shaft, a rotary hook secured to said shaft and having an oil-sling formed thereon, a counterbalancing element carried by said shaft and rotatable with said hook, said element having a groove which surrounds said oil-sling and means connected to said groove for returning the oil collected by said groove to the reservoir.

2,296,662

WINDING SPINDLE

John N. Greenaway, Jr., Hanover, Pa.

Application September 6, 1940, Serial No. 355,676
1 Claim. (Cl. 242—112)



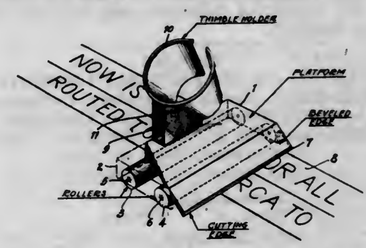
A winding spindle comprising a rod adapted to be inserted in a winding machine, a reel mounted on said spindle to rotate therewith, said reel comprising collars relatively movable on said spindle, a series of longer arms and a series of shorter arms, the longer and shorter arms alternating, pivoted to each of said collars, and the longer arms of one collar also pivoted to the corresponding shorter arms of the other collar, a coiled spring surrounding said spindle and bearing against the inner faces of said collars to force them away from each other and means for moving said collars toward each other against the tension of said spring, said reel being expanded when said collars approach each other and collapsed when said collars move further apart, an enlargement on said rod and a pin passing diametrically through said enlargement, the means for moving said collars comprising an annulus having a stepped central aperture, the larger portion of a diameter to loosely embrace the enlargement on the rod and the smaller portion of a diameter to loosely embrace the rod, a diametrical slot in said annulus extending longitudinally of said annulus to the end of the larger portion of said aperture remote from the smaller portion whereby when said annulus is turned to put said pin and said slot in register, said spring pushes said movable collars apart, the pin entering the slot, and collapses said arms and when said annulus is pushed along said rod to release said pin from said slot, said arms are expanded and on rotating said annulus said pin holds said arms in extended position.

2,296,663

THIMBLE TAPE PRESSER AND CUTTER

Martin Gruber, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 14, 1940, Serial No. 340,543
1 Claim. (Cl. 216—61)



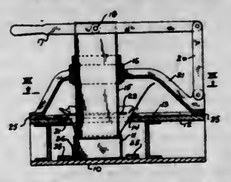
A device for cutting and pressing tape comprising a housing member having two side walls bent at right angles at the top surface and another wall bent at an angle of approximately forty-five degrees with respect to said top surface, a pair of shafts secured to said first mentioned side walls, a pair of rollers mounted for rotation on said shafts, a sharp paper cutting edge located on said last mentioned wall, and a thimble-like member secured to the top side of said housing member at an angle with respect thereto to provide the proper operative position of said device.

2,296,664

METHOD OF FORMING PACKAGES

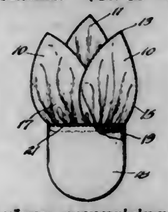
Wayne L. Hall, San Francisco, Calif., assignor to Zellerbach Paper Company, San Francisco, Calif., a corporation of Nevada

Application July 13, 1938, Serial No. 219,010
2 Claims. (Cl. 62—173)



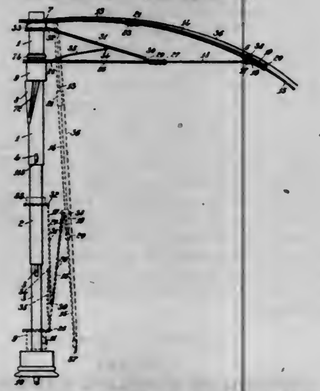
1. The method of forming a package for frozen products which comprises shaping a liner to fit within a carton, filling the liner with the products to be frozen, closing and sealing the liner along upper edges thereof, placing an inverted carton over the filled liner whereby the sealed edges of the liner will be disposed in the bottom of the carton, and then subjecting the packages in an inverted position to freezing temperature.

2,296,665
POCKET PIECE
Emma L. Halter and Ambrose J. Krier, Chicago, Ill.
Application June 24, 1940, Serial No. 341,996
3 Claims. (Cl. 35—56)



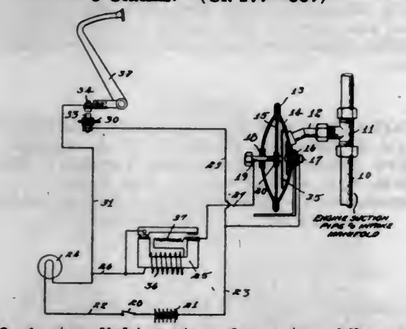
1. A pocket piece comprising a plurality of fabric tips each gathered at the curved edge opposite the tip, a flexible fabric holder therefor having a flat stiffening member therein and open at the top to receive the gathered ends of the tips, and fastening means binding the gathered tips, the stiffening member, and the top of the holder together.

2,296,666
FOLDING OR COLLAPSIBLE UMBRELLA
Hans Haupt, Berlin-Zehlendorf, Germany; vested in the Alien Property Custodian
Application May 31, 1940, Serial No. 338,112
In Germany June 15, 1939
15 Claims. (Cl. 135—26)



14. In a folding umbrella that includes a stick consisting of a plurality of telescopically expansible and collapsible members, a plurality of ribs jointed to the stick and consisting each of a plurality of telescopically expansible and collapsible members, a runner movable longitudinally upon the stick, a plurality of expansible and collapsible stretchers, each consisting of two members pivotally connected together in an elbow joint and at their otherwise free ends pivoted, one to an anchorage on the stick and the other to one of the ribs, and a plurality of braces jointed each at one end to the runner and at the other end to the inner member of one of the stretchers, the invention herein described which consists in an auxiliary runner movable upon the stick and arranged between the runner first named and the jointing of the ribs to the stick, such auxiliary runner constituting the anchorage to which the stretchers are pivoted, and a plurality of controlling members, each pivotally jointed at one end to the runner first named and at the other end engaging the outer member of one of the stretchers.

2,296,667
STOP LIGHT CIRCUIT FOR AUTOMOBILES
Thomas Nelson Hemphill, Des Moines, Iowa
Application August 4, 1940, Serial No. 351,298
3 Claims. (Cl. 177—337)

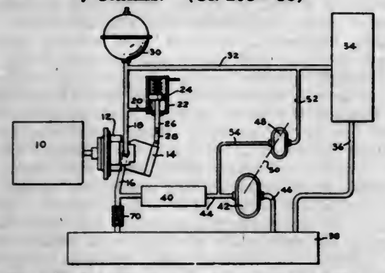


3. A stop light system for automobiles, comprising an intake manifold, a source of electricity, a main circuit including a stop light, an electric flasher embodying resistance, and a normally opened vacuum controlled switch operatively connected to said intake manifold, a low resistance circuit shunting said flasher, including a brake lever controlled and normally opened switch, wherein the stop light may be first illuminated by the closing of the first switch to produce a flashing signal and wherein the flasher will be shunted out by the closing of the second switch, to produce a steady illumination of said signal light, even with the first switch closed.

2,296,668
PULVERULENT FUEL
William Hennicke, Mannheim, Germany; vested in the Alien Property Custodian
No Drawing. Application August 31, 1938, Serial No. 227,854. In Germany September 20, 1937
1 Claim. (Cl. 44—1)

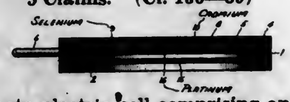
A process of improving pulverulent fuels obtained by pressure extraction of coals which comprises treating part of the extracts in a pulverulent state with hot combustion gases containing free oxygen at a temperature below their ignition point and part with a substance selected from the group consisting of nitric acid and nitric gases so that the initial material retains its loose pulverulent condition and nitrogen and oxygen are incorporated into the coal extracts, and mixing the products thus obtained with each other.

2,296,669
POWER TRANSMISSION
Kenneth R. Herman and Lukas Zimmermann, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application February 23, 1940, Serial No. 320,354
7 Claims. (Cl. 103—38)



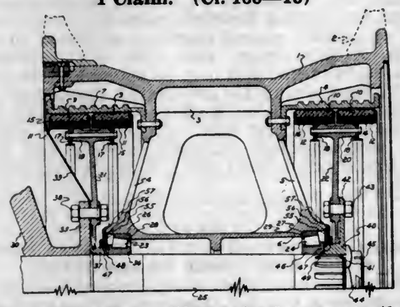
1. In a hydraulic power transmission the combination with a main pump of the positive, variable displacement type for supplying fluid under pressure to a supply line, of supercharging means for the main pump including a fluid motor of relatively small positive displacement connected for operation from said supply line, and a supercharging pump, of large positive displacement relative to that of the motor, driven by the motor and connected to deliver fluid from a suitable source by a conduit having its sole outlet leading to the intake of said main pump.

2,296,670
PHOTOELECTRIC CELL
Clarence W. Hewlett, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 21, 1934, Serial No. 716,677
5 Claims. (Cl. 136—89)



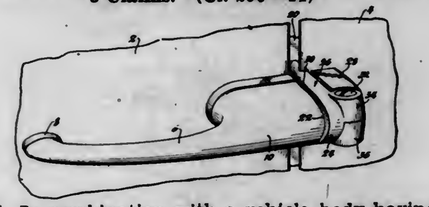
1. A photo-electric cell comprising an annular casing of insulating material provided at one end on the interior, with a flange, and at the other end, with a cover of insulating material, a light-sensitive unit contained between said flange and cover, said unit including a metal plate coated successively with selenium, cadmium and platinum.

2,296,671
WHEEL BRAKE STRUCTURE
Charles Hollerith, Jackson, Mich., assignor to Hayes Industries, Inc., Jackson, Mich., a corporation of Michigan
Application March 18, 1940, Serial No. 324,527
1 Claim. (Cl. 188—18)



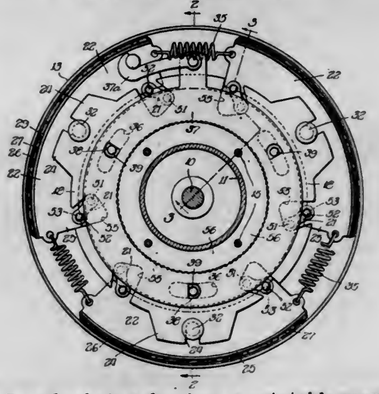
In combination with a wheel, an axle therefor and a support for maintaining said axle against rotation, bearings adjacent the ends of said wheel for supporting said wheel on said axle for rotation thereabout, a sleeve on said axle between said wheel and said axle support, a radial flange on said axle support, a ring-shaped brake member concentrically disposed about said sleeve, said sleeve being in circumferential engagement with said brake member, a supporting connection between said flange and said brake member, a second sleeve on the opposite end of said wheel splined to said axle, a second radially extending flange on said second sleeve, a second ring-shaped brake member concentrically disposed about said second sleeve, said second ring-shaped brake member being secured to said second radially extending flange, said second sleeve being in circumferential engagement with said second brake member, said bearing structures having inner and outer races, said wheel having shoulders for receiving said outer races for limiting inner movement of said outer races with respect to said wheel, one of said sleeves being in end contact with one of said inner races and the other of said sleeves being in end contact with the other of said inner races, means supported with respect to said axle for clamping said second sleeve against its engaging inner race and for axially moving said wheel to cause said other inner race to clamp said first named sleeve against said axle support whereby said sleeves and brake members are maintained in fixed relation with respect to said axle and axle support while at the same time permitting rotation of said wheel.

2,296,672
DOOR HANDLE AND HINGE ASSEMBLY
Frank Humer, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 24, 1940, Serial No. 362,646
3 Claims. (Cl. 296—44)



1. In combination with a vehicle body having two adjoining doors, a hinge projecting from the outer face of one door at its adjoining edge and a handle extending from the outer face of the second door at its adjoining edge and being contiguous to said hinge, the extreme outer surface of said hinge being substantially coplanar and merging substantially with the extreme outer surface of said handle when the second door is in its closed position to form a substantially continuous outermost surface, whereby said hinge and handle present a single projection extending from the outer face of the vehicle body, and having its surface outermost from the vehicle body substantially continuous and smooth when said doors are in their closed position.

2,296,673
BRAKE MECHANISM
Frank W. Hunyady, Chicago, Ill., assignor to F. W. H. Associates, Chicago, Ill., a corporation
Application April 14, 1939, Serial No. 267,778
3 Claims. (Cl. 188—78)



1. In a brake mechanism, a rotatable member,

an annular braking surface mounted thereon, a stationary element disposed centrally within said braking surface, brake surface engaging members mounted around said stationary element, an operating ring mounted around said stationary element and between it and said engaging members but radially spaceable therefrom, lever means associated with said stationary element for circumferential movement with respect thereto and operatively connected with said operating ring, said lever means being supported against radial movement with respect to said operating ring and means on said lever means for permitting radial movement of said operating ring with respect to said lever means.

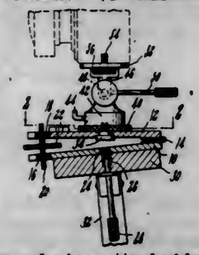
2,296,674

SUPPORT FOR CAMERAS OR THE LIKE

Clarence W. Ingels, St. Albans, N. Y.

Application September 7, 1939, Serial No. 293,655

6 Claims. (Cl. 248—180)



6. A leveling device attachable to an unlevel surface and rotatable about an axis perpendicular to said surface, said device comprising two members relatively rockable about a hinge axis, means for indicating the positions of said device in which one of said members can be brought to a level position by rocking movement about said hinge axis, and means operative when the device is in one of said positions to indicate the level position of said one member.

2,296,675

HAND BRAKE LEVER

Herbert S. Jandus, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application March 7, 1940, Serial No. 322,741

13 Claims. (Cl. 74—516)



1. A lever construction comprising lever parts pivotally connected to each other, one of said parts being pivotally connected to a support, means for operatively connecting said parts for swinging movement as a uint in one direction on said support pivot, and cam means for displacing the other of said lever parts relative to said one part when the former is swung on the pivoted connection therebetween in a direction opposite to the said unitary movement.

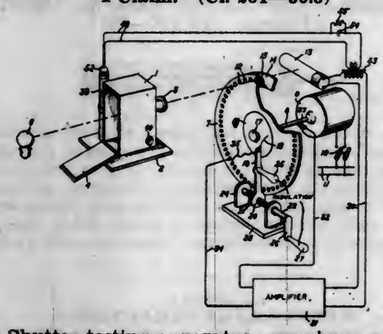
2,296,676

CAMERA SHUTTER AND SYNCHRONIZER TESTING

William K. Kearsley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application April 6, 1940, Serial No. 328,343

1 Claim. (Cl. 234—36.5)



Shutter testing apparatus comprising a source of light, a photo-electric device arranged to receive a light beam therefrom controlled by a shutter to be tested, a conducting disk having means for rotating it at a fixed predetermined speed and having therein a predetermined number of equally spaced openings arranged in the path of said beam, said disk having means whereby a record disk may be detachably mounted thereon, means for amplifying the output impulses of said device, a stylus arranged adjacent to said conducting disk, and means for applying said amplified impulses between said conducting disk and said stylus to mark said record disk.

2,296,677

CARDIO-ACTIVE SUBSTANCES AND PROCESSES FOR THEIR PRODUCTION

Wilhelm Küssner, Darmstadt, Germany, assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application February 8, 1940, Serial No. 317,899. In Germany December 19, 1938

16 Claims. (Cl. 260—210)

1. A compound selected from the group consisting of tertiary amino lower fatty acid esters of cardio-active glucosides and tertiary amino lower fatty acid esters of genins of cardio-active glucosides.

2,296,678

ULTRA HIGH FREQUENCY DEVICE

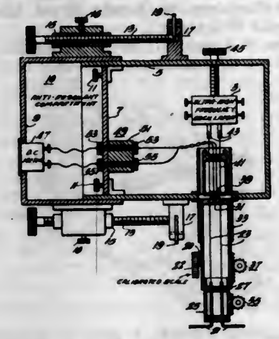
Ernest G. Linder, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application June 25, 1940, Serial No. 342,236

9 Claims. (Cl. 250—36)

1. In a radio device, a shielding container enclosing a source of ultra high frequency oscillations, a removable partition dividing said container into separate compartments, one of said

compartments containing said source, the size of the other of said compartments being adjusted to a condition of anti-resonance at the frequency



of said oscillations whereby the electric field strength in said other compartment due to leakage around said removable partition is minimized.

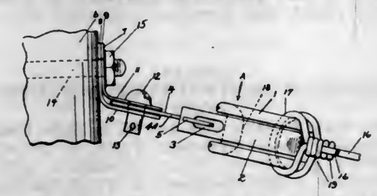
2,296,679

SERVICE DROP INSULATOR

Edward A. Mack, Huntington, W. Va., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application May 13, 1939, Serial No. 273,430

1 Claim. (Cl. 174—44)



A device of the class described, comprising a flanged insulator; a resilient band embracing said insulator between the flanges, said band having an elongated aperture at each end; a flat yoke-shaped clevis including a pair of flat rectangular leg members, hook means carried at the lower end of each leg member, each of said hook means being narrowly spaced relative to the parallel sides of corresponding leg members and extending in parallel relationship thereto, said means being adapted to extend through corresponding apertures in said band; a bracket comprising a pair of secured-together plates bent to provide spaced angular arms extending below a horizontal plane upon opposite sides of said clevis; and a pin extending through said spaced-apart arms and between the legs of said yoke-shaped clevis so that the entire structure may pivot freely about said pin; all substantially as described.

2,296,680

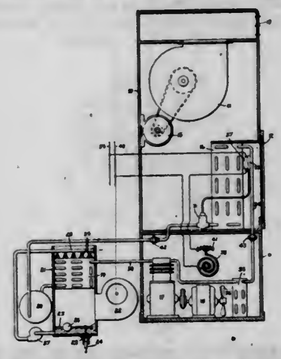
AIR CONDITIONING APPARATUS

David W. McLenegan, Caldwell, N. J., assignor to Generl Electric Company, a corporation of New York

Application November 29, 1941, Serial No. 421,009

7 Claims. (Cl. 62—6)

1. A refrigerating system including a compressor and a condenser and an evaporator connected in a closed refrigerant circuit, a closed housing surrounding said compressor, means for circulating air within said housing and over said compressor, means including a refrigerant element arranged in said housing and connected in the refrigerant circuit of said system between said evaporator and said compressor for cooling the air circulated in said housing to remove heat



produced by the operation of said compressor, and temperature responsive means arranged to control the admission of refrigerant to said evaporator for maintaining the temperature of the air circulated over said compressor below a predetermined value.

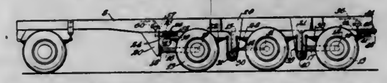
2,296,681

MULTIPLE REAR AXLE ASSEMBLY

Edward Chase Merry, Birmingham, Mich., assignor, by direct and mesne assignments, to Merry-Neville Manufacturing Company, Birmingham, Mich., a corporation of Michigan

Application February 29, 1940, Serial No. 321,439

2 Claims. (Cl. 280—124)



1. In a vehicle construction, a frame, an axle relatively stationary with respect to the frame, an axle movable substantially transversely of the frame, a pulley supported by the frame between adjacent ends of the axles, a flexible connection between said adjacent axle ends and beneath said pulley, a pulley hanger on a vertical pivot and having an upwardly disposed bearing member, and a bearing member supported by the frame and contacting the bearing member on said pulley hanger, whereby upward thrust of said flexible connection on said pulley is taken by said contacting bearing members.

2,296,682

SCREW FAN

Arthur Lansworth Millar, London, England

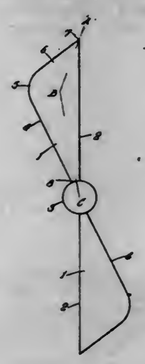
Application July 31, 1941, Serial No. 404,921

In Great Britain May 4, 1940

1 Claim. (Cl. 170—159)

A blade for a fan, the said blade having a straight leading edge, adapted to lie substantially in the plane of rotation of the blade, the trailing edge of the blade at the root forming an angle of about 30° with the leading edge when viewed in front elevation, the leading and trailing edges if projected intersect the axis about which the fan rotates, whilst the outer end of the trailing edge is connected by a curve to a straight line which meets the leading edge at an angle of about 60°, the following face of

the blade being approximately convex, and the working face of the blade being partly flat and



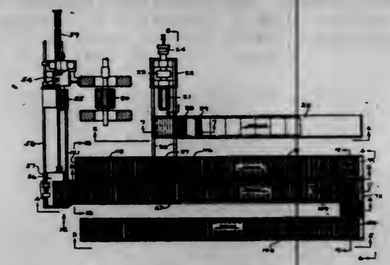
partly concave in a radial and in an axial direction.

2,296,683

COIL HANDLING APPARATUS

Myles Morgan, Worcester, Mass., and Leonard W. Nash, Damascus, Ohio, assignors to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts and to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware

Application February 15, 1939, Serial No. 256,534
4 Claims. (Cl. 80—43)



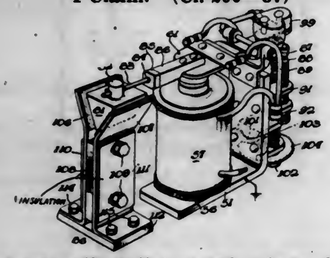
1. Coil handling apparatus for a rolling mill having means to form metal strip delivered by the mill into hollow cylindrical coils and a series of sleds arranged to support the coils with their axes substantially horizontal by engaging the outer cylindrical surfaces of the coils from beneath the same, each sled having a substantially flat bottom and an upper surface shaped to form a trough for the reception of a coil therein, comprising an inclined gravity conveyor of the idler roller type, means to transfer sleds with coils thereon from the coil forming means to the upper end of the conveyor, a second inclined gravity conveyor of the idler roller type arranged with its upper end adjacent to the lower end of the first conveyor but at a higher elevation, means including an elevator to transfer sleds with coils thereon from the lower end of the first conveyor to the upper end of the second conveyor, and means to transfer sleds with coils thereon from the lower end of the second conveyor to the inlet side of the rolling mill, the two conveyors having sufficient length to provide storage space for a substantial number of loaded sleds, whereby the coils may be rolled in batches.

2,296,684

ELECTRICAL APPARATUS

Martin Neuner, Fairview, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application February 7, 1941, Serial No. 377,918
1 Claim. (Cl. 200—87)



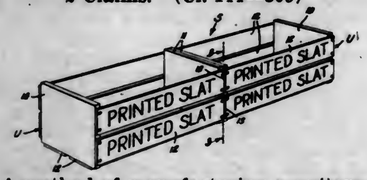
In a magnetic switch, a pair of angularly disposed contacts, an armature having a cylindrical extension, a triangular prism of current conducting material, said prism having an apertured shank to receive said cylindrical armature extension, wherefore said armature extension constitutes the sole mounting for said prism, and upon which extension said prism is freely suspended for pivotal movement about the axis of said armature extension, current responsive means for causing said armature to move said prism into engagement with said angularly disposed contacts, and means for preventing any lateral shifting of said prism independently of rotation thereof about said armature extension axis.

2,296,685

METHOD OF MANUFACTURING MULTIPLE BOXES

Walter Hale Paxton, also known as Hale Paxton, deceased, late of Riverside, Calif., by Geraldine Paxton and H. S. Nicks, executors, both of Riverside, Calif., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application April 29, 1940, Serial No. 332,322
2 Claims. (Cl. 144—309)



1. A method of manufacturing a unitary multiple box which is readily divisible into separate complete box units, said method comprising: making two unitary box sections, each constituting within itself two or more complete box units, disposed end-to-end and joined by the sides and bottom of the units in each section being continuous; severing the bottom of each section and one side of said section between the juxtaposed ends of the units of said sections; and uniting said sections together, side-by-side with the severed sides of said sections disposed inwardly.

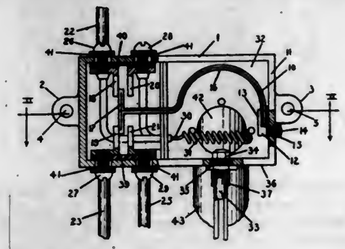
2,296,686

GAS PILOT AND VALVE CONTROL

Durward B. Ragan, Portland, Oreg.

Application June 10, 1940, Serial No. 339,810
2 Claims. (Cl. 158—115)

1. In a device of the class described, the combination of a housing, a partition disposed between the ends of the housing and disposed transversely of the housing and secured on its bottom and ends respectively to the bottom and to the side walls of the housing to divide the housing into two independent compartments, a bi-metal member disposed longitudinally of the housing with the base end of the bi-metal part being secured to one end of the housing with an arch disposed in the bi-metal member between its base end and the partition, a T-head disposed upon the opposite end of the bi-metal member, a gas burner head secured to one of the walls of the housing and positioned to normally maintain a gas flame within the compartment of the housing in which the arch of the bi-metal member is disposed, pairs of electric terminals disposed in the normal line of travel of the T-head of the bi-metal member and one pair of said elec-



tric terminals being disposed in the path of the T-head when the bi-metal member is heated and adapted for being contacted thereby to complete one electric circuit and the other one of the pairs of electric terminals being positioned for being contacted by the T-head and for completing another electric circuit when the bi-metal member moves in the opposite direction, electric conductors attached to the respective electric terminals and a heat resistance wire connected in circuit with said other pair of terminals, said heat resistance wire being coiled and formed into a U and positioned within the compartment of the housing in which the arch of the bi-metal member is disposed and means for communicating a fluid fuel into the compartment of the housing in which the arch of the bi-metal member and the coil of the resistance wire is disposed and a lid removably securable to the housing.

2,296,687

HYDROXYLATION OF UNSATURATED HALIDES

Ludwig Rosenstein, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 28, 1941, Serial No. 376,336
14 Claims. (Cl. 260—633)

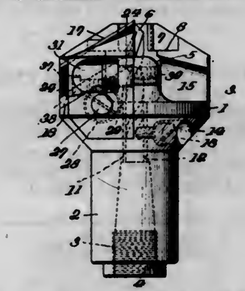
11. A process for producing polyhydroxylated halo compounds which comprises reacting halogenated unsaturated hydrocarbons containing an unsaturated linkage between two aliphatic carbon atoms devoid of halogen atoms with hydrogen peroxide in the presence of an oxide of a metal selected from the group consisting of ruthenium, vanadium, chromium, molybdenum and osmium, and in the presence of a substantial amount of water.

2,296,688

BOX MILL AND CUTTER THEREFOR

Robert E. Schoenberger, Shaker Heights, Ohio, assighor to The W. J. Schoenberger Company, Cleveland, Ohio, a corporation of Ohio

Application March 20, 1941, Serial No. 384,406
9 Claims. (Cl. 29—57)



1. A box mill comprising a chambered body portion having a work receiving opening at one end and a shank at the other end, a cutter movable inwardly through said body tangentially of said work receiving opening, a stop member for limiting inward movement of said cutter when cutting position is reached, means for adjusting said cutter in a direction at right angles to said tangential movement, a substantially V-shaped block having a face adjacent the cutter and another face adjacent the stop member, and means for forcing said block into clamping engagement with said cutter and said stop member to lock said cutter in adjusted position.

2,296,689

ABRASIVE SCOURING POWDER

Paul W. Soderberg, Wyandotte, Mich., assignor to The J. B. Ford Company, Wyandotte, Mich., a corporation of Michigan

No Drawing. Application March 2, 1940, Serial No. 322,006
4 Claims. (Cl. 252—116)

2. A substantially non-caking abrasive scouring powder, comprising soap, a silica-containing abrasive selected from the group consisting of silica flour, volcanic ash, tripoli, feldspar, pumice and pumicite, and an alkali metal salt selected from the group consisting of alkali metal carbonates, bicarbonates, borates, silicates and phosphates, said abrasive and said salt forming a relatively hard, set mass or cake when normally mixed in technically dry, powdered form and subjected to atmospheric conditions of relatively high humidity and temperature, and 0.1 to 5% bentonite present to counteract such cake-forming capacity.

2,296,690

ABRASIVE SCOURING POWDER

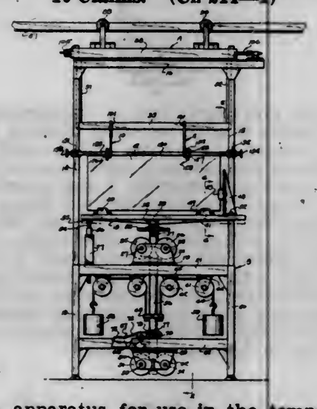
Paul W. Soderberg, Wyandotte, Mich., assignor to The J. B. Ford Company, Wyandotte, Mich., a corporation of Michigan

No Drawing. Application March 2, 1940, Serial No. 322,007
6 Claims. (Cl. 252—116)

2. A substantially non-caking abrasive scouring powder comprising soap, an abrasive material selected from the group consisting of volcanic ash, silica flour, pumic, pumicite, tripoli and feldspar, a minor proportion of detergent material selected from the group consisting of water-soluble, finely divided alkali metal carbonates, silicates, phosphates and borates, said abrasive

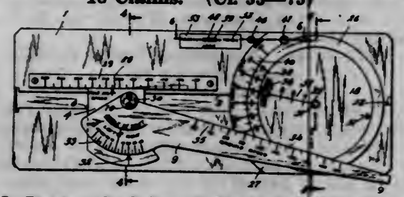
material and said alkali metal salt normally forming a caked mass when subjected to atmospheric conditions of relatively high humidity and temperature, bentonite in the proportion of 0.1 to 5%, and tetrasodium pyrophosphate in the proportion of 1 to 4%, said last two ingredients being present to prevent caking of the composition.

2,296,691
APPARATUS FOR USE IN THE TEMPERING OF GLASS SHEETS
Delmer J. Sullivan and Gerald White, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 17, 1939, Serial No. 304,968
10 Claims. (Cl. 214—1)



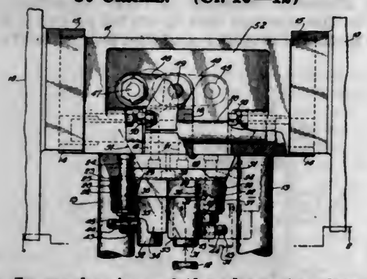
1. In apparatus for use in the tempering of glass sheets, the combination with a stationary horizontal track and a carriage movable along said track including sheet engaging means for suspending the sheet in a vertical position from its upper edge, of means arranged beneath said track for initially receiving the glass sheet and supporting it at its lower edge in a vertical position, means for raising said sheet supporting means to bring the said sheet into proper position relative to the said carriage whereby to facilitate attachment of said sheet engaging means thereto, and means mounted in a fixed position to one side of the path of vertical movement of said sheet for indicating at which points on the glass sheet the said sheet engaging means are to be attached.

2,296,692
CALCULATOR
Arthur L. Thurston, Wantagh, N. Y., assignor to Cox & Stevens Aircraft Corporation, a corporation of New York
Application April 11, 1941, Serial No. 388,139
18 Claims. (Cl. 33—75)



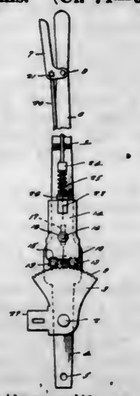
15. In a calculator, a base member, two rotatable members carried by said base member, one said rotatable member as it is rotated being capable of movement simultaneously toward and from the other, and means interconnecting said rotatable members adapted to impart to one thereof in response to rotational movement of the other, like angular movement of like magnitude and sense, regardless of their spatial relationship.

2,296,693
HEADER MECHANISM
Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Application October 3, 1941, Serial No. 413,447
30 Claims. (Cl. 10—12)



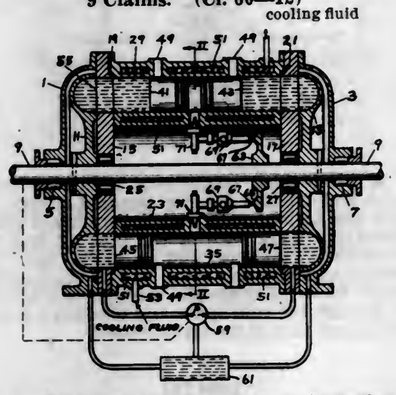
23. In mechanism of the character described; a gate; companion bars mounted in said gate; means for securing the slide to said bars between the ends thereof; and means for moving said slide and bars relatively to the gate in a path toward and away from and between planes extending forwardly from and coincident with the sides of the gate.

2,296,694
DETENT
Edward G. Wilton, Mount Vernon, Wash., assignor of one-half to Thomas Payne, Mount Vernon, Wash.
Application March 24, 1942, Serial No. 436,018
2 Claims. (Cl. 74—530)



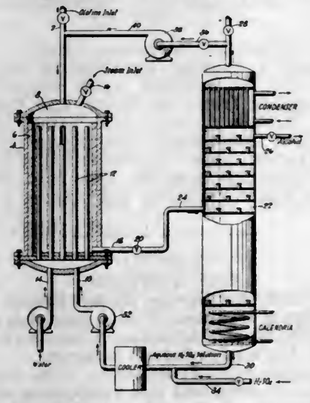
1. The combination with a hand lever, a toothed sector on which said lever is pivotally mounted, and a pivoted hand grip swingable on said lever, of a pair of toothed pinions rotatably mounted on said lever and peripherally spaced laterally of said lever in mesh with said sector, a pinion dogging plate slidably mounted on said lever for movement thereon toward and from said pinions at the side thereof opposite the sector and having a toothed end for meshing with said pinions, spring means urging said plate toward said pinions, and operating connections between said grip and plate for moving the latter away from said pinions under swinging of said grip in one direction.

2,296,695
POWER TRANSMITTING MECHANISM
Vladimir K. Zworykin, Marlton, N. J.
Application August 3, 1940, Serial No. 350,787
9 Claims. (Cl. 60—12)



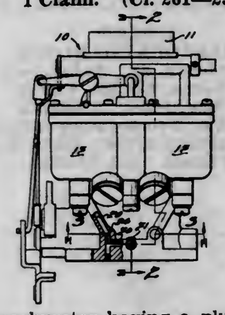
1. A fluid transmission system including in combination a cylinder barrel including a plurality of cylinders, pairs of pistons arranged respectively within said cylinders, and a pair of rotors positioned respectively adjacent the ends of said cylinder barrel, said rotors including channels arranged to couple the ends of adjacent cylinders and to include a coupling fluid, said channels being so shaped that movement of the coupling fluid produces a rotary movement of said rotor.

2,296,696
HYDRATION OF OLEFINS
Dale F. Babcock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 22, 1939, Serial No. 285,854
4 Claims. (Cl. 260—641)



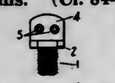
1. A process which comprises progressively increasing the temperature of a fluid containing water and a hydration catalyst to a temperature between 150° and 300° C., bringing the heated fluid into contact with an olefin under a pressure of at least 100 lbs. per sq. in., passing the said fluid while in contact with the olefin countercurrently and in heat exchange relationship with, but out of contact with, the incoming fluid and thereby progressively decreasing the temperature of said fluid in contact with the olefin as it passes through the reaction zone.

2,296,697
CARBURETOR
Thomas M. Ball, Detroit, Mich., assignor to Ball & Ball Carburetor Company, Detroit, Mich., a partnership
Application July 29, 1940, Serial No. 348,095
1 Claim. (Cl. 261—23)



A dual carburetor having a plurality of mixture inlet throats each adapted to be connected to a different section of an internal combustion engine and a plurality of carbureting devices each associated with one of said mixture inlet throats, a throttle valve in each mixture inlet throat, an idling fuel intake device associated with each carbureting device and including an inlet tube leading to an idle inlet port located in the wall of the associated mixture inlet throat effectively on the engine side of said throttle valve when in closed position whereby the engine suction becomes effective to draw an idling mixture through said idle inlet tube during idling operation of the engine, a transfer port communicating between each idle inlet tube and the associated throat at a point on the opposite side of said throttle valve when the throttle valve is closed and through which air is drawn into each inlet tube when the throttle valve is closed, a mixture regulating passage connecting said plurality of idle inlet tubes below said transfer ports, and a single adjusting valve in said passage including a valve seat with which said idle inlet ports communicate directly and a needle valve cooperating with said valve seat for manually variably predetermining the amount of fuel mixture admitted to each of said idle inlet ports during idling operation whereby the amount of the mixture admitted through each of said idle inlet ports may be equally and simultaneously adjusted.

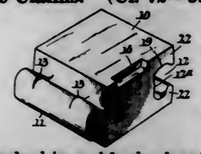
2,296,698
PIANO STRING SUPPORT
Hugo Benioff, La Canada, Calif., assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application October 9, 1941, Serial No. 414,359
7 Claims. (Cl. 84—211)



1. A piano string support comprising a member

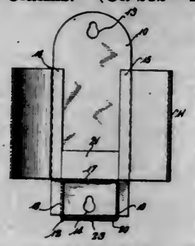
having an intermediate shoulder, a portion extending outwardly from said shoulder and adapted for attaching said member to a piano, and a string supporting portion extending outwardly from said shoulder opposite to said first mentioned portion, said string supporting portion comprising a plate-like portion having a width of the order of the intervals of strings of adjacent notes in a piano, adapted to receive a piano string at a position spaced from said shoulder and having a compliance, at said position and the direction of the string length, greater than two millionths of an inch per pound, whereby said string supporting portion under the vibrations of a supported string yields resiliently parallel to the string length.

2,296,699
INTERLOCKING BLOCK
George A. Bourdelais, Sr., Wallingford, Pa., and Edward N. Noyes, Corpus Christi, Tex., assignors to Bourdelais Products Company, Wallingford, Pa., a corporation of Pennsylvania
Application January 3, 1941, Serial No. 372,976
9 Claims. (Cl. 72—38)



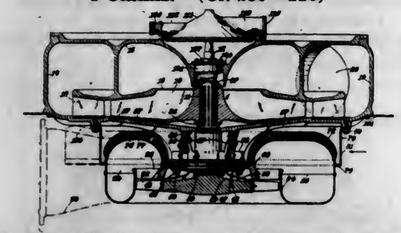
1. An interlocking block having a headed tongue formed at one end, a groove of corresponding cross sectional configuration formed at the opposite end thereof, said tongue and groove being designed for cooperative action with similar tongues and grooves on other blocks, spaced opposed crosswise abutments formed on a surface of said tongue and similarly spaced opposed crosswise abutments formed on a corresponding surface of said groove.

2,296,700
RETAIL MARKETING DEVICE
Herman F. Branstetter and Bertha W. Branstetter, Hendersonville, N. C.
Application June 26, 1940, Serial No. 342,586
2 Claims. (Cl. 232—41)



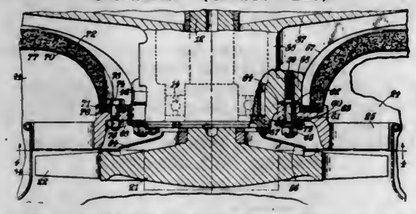
1. A retail marketing device for dairy products and the like comprising, means for attachment to a vertical surface, means cooperating with a portion of said first-named means adapted to gird a container or the like, and a box adapted to contain written memoranda, one of the defining walls of said box being attached to the means for attachment to a vertical surface and extending therefrom at a right angle to underlie only a portion of the girded area, said wall being attached also to said second-named means at a point diametrically opposite the point of attachment to the first-named means.

2,296,701
GAS TURBINE
Leonard Frederick George Butler, Ernest Briggs, and Edward Bowness, Bristol, England, assignors to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application February 20, 1940, Serial No. 319,950
In Great Britain January 21, 1939
4 Claims. (Cl. 230—116)



1. A gas-turbine comprising a turbine rotor and an anti-friction bearing disposed closely adjacent the turbine rotor, walls forming a space between the outer race of the bearing and the surrounding structure and a centrifugal fan mounted adjacent the rotor, at the bearing side thereof, so as to draw air through the bearing and through the said space and discharge it over the adjacent face of the turbine rotor.

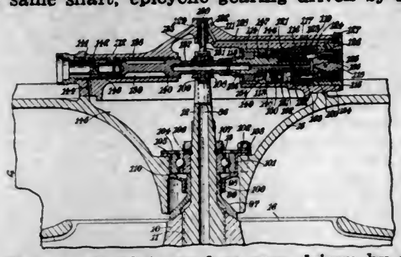
2,296,702
GAS TURBINE
Leonard Frederick George Butler, Ernest Briggs, and Edward Bowness, Bristol, England, assignors to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Original application February 20, 1940, Serial No. 319,950. Divided and this application September 23, 1941, Serial No. 412,036. In Great Britain January 21, 1939
5 Claims. (Cl. 230—116)



1. In combination, a turbine wheel, a turbine shaft therefor, bearings surrounding said shaft, a casing for the bearings, guide vanes for the turbine spaced from the casing and from said bearings, a ring carrying said vanes and also spaced from said casing, circumferentially narrow fingers with wide circumferential slots therebetween extending inwardly from said ring, and fastening means engaging said fingers and said casing.

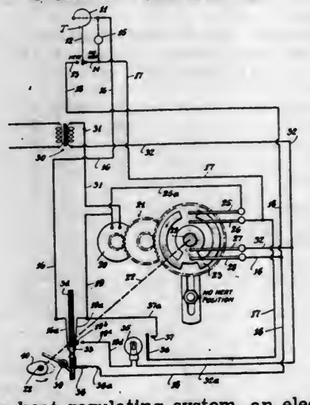
2,296,703
GAS TURBINE
Leonard Frederick George Butler, Ernest Briggs, and Edward Bowness, Bristol, England, assignors to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Original application February 20, 1940, Serial No. 319,950. Divided and this application September 23, 1941, Serial No. 412,037. In Great Britain January 21, 1939
3 Claims. (Cl. 184—6)

1. A turbo-compressor for a super-charged internal-combustion engine, comprising a turbine rotor and a supercharging impeller mounted on the same shaft, epicyclic gearing driven by said



shaft, a swash-plate or face cam driven by said epicyclic gearing and pumps driven by said swash-plate or face cam to supply lubricant to the shaft bearings.

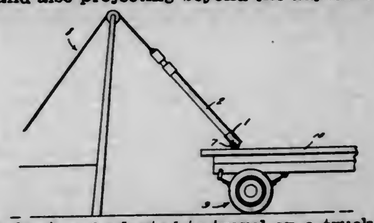
2,296,704
TEMPERATURE REGULATING SYSTEM
John T. Carlson, Dayton, Ohio, assignor to The Master Electric Company, a corporation of Ohio
Application July 2, 1940, Serial No. 343,543
3 Claims. (Cl. 236—74)



1. In a heat regulating system, an electrically operated furnace damper controlling mechanism, a thermostat for controlling the actuation of said mechanism, a manually operated basement switch which when operated causes the furnace controlling mechanism to move the draft damper to open position and also closes a circuit including a resistance heater, a thermo-switch closed by heat from said resistance heater so connected as to cause the electric damper controlling mechanism to move to closed draft position and means actuated by said damper controlling mechanism only while moving from draft closed to draft open position to restore said basement switch to original position.

2,296,705
DRILL ATTACHMENT
Lee Roy Childress, Silver City, N. Mex.
Application April 29, 1941, Serial No. 390,990
1 Claim. (Cl. 214—1)

A drill attachment comprising a cylindrical boot for the reception of a drill stem, one end of the boot having its opposite sides flattened to form a pair of spaced parallel ears, said ears being free at one edge, an axle connecting the ears adjacent their free edges, a roller journaled on the axle with portions of the roller projecting beyond the free edge of the ears at the side of the boot and also projecting beyond the adjacent end



of the boot and adapted to travel on a truck bed for supporting the drill stem, and a transverse pin in the boot inwardly of the roller to function as a stop for the adjacent end of the drill stem.

2,296,706
COPPER-ZINC ALLOY
Michael George Corson, New York, N. Y., assignor to The Beryllium Corporation, Temple, Pa., a corporation of Delaware
No Drawing. Application August 29, 1941, Serial No. 408,760
3 Claims. (Cl. 75—155)

1. A copper-zinc alloy containing 30 to 35% Zn, .20 to 1.0% Be, from .30 to 2.0% one of the metals Ni and Co, balance copper.

2,296,707
GAUGE
John A. Croston, Parkland, Wash.
Application March 2, 1942, Serial No. 433,076
2 Claims. (Cl. 33—172)

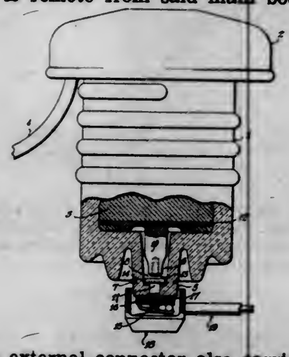


1. A gauge of the character described comprising a bar, an indicator mounted on said bar, a longitudinally split, resilient tubular clamp on the bar, a sleeve rotatably and slidably mounted in the clamp and frictionally secured in adjusted position therein, a plunger slidable in said sleeve and operatively connected to the indicator, and a work-actuated contact finger pivotally mounted on the sleeve and operatively connected to said plunger, the plunger including telescopically adjustable male and female members, said male member comprising a longitudinally split, expanded inner end portion for frictionally securing said members against relative longitudinal movement.

2,296,708
CIRCUIT INTERRUPTING DEVICE
Ralph H. Earle, Wauwatosa, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Original application April 21, 1939, Serial No. 269,065. Divided and this application November 19, 1941, Serial No. 419,692
10 Claims. (Cl. 200—115)

1. An electrical device including a circuit-interrupter, said device comprising a housing of dielectric material having a main body portion and an integral hollow stem of reduced diameter projecting from said main body portion, said stem having a localized portion of substantially reduced cross section at which said stem is most likely to rupture in response to internally applied

force, said circuit-interrupter comprising a pair of spaced electrodes having a gap therebetween disposed within said stem, one only of said electrodes being carried by the portion of said stem which is remote from said main body portion,



and an external connector also carried by said last-mentioned portion of said stem and electrically connected with said last-mentioned electrode, said circuit-interrupter including delayed operation force generating means operative to rupture said stem at said localized portion.

2,296,709

OXIDATION PRODUCT OF α-TOCOPHEROL AND PROCESS OF PREPARING THE SAME

Erhard Fernholz, Princeton, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application February 26, 1938, Serial No. 192,799

2 Claims. (Cl. 260—413)

2. Process comprising treating a substance selected from the group consisting of α-tocopherol and esters of α-tocopherol with an oxidizing agent selected from the group consisting of chromium trioxide and potassium permanganate, separating the acid fraction thus obtained, and recovering 2,6,10-trimethyl-tridecanic acid (—13) therefrom.

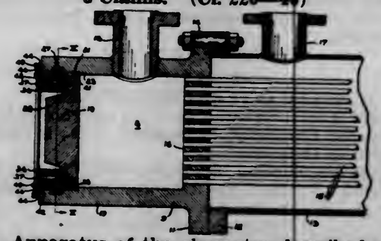
2,296,710

HIGH PRESSURE SEALING HEAD

Frederick K. Fischer, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 23, 1938, Serial No. 203,809

3 Claims. (Cl. 220—46)



3. Apparatus of the character described comprising a hollow pressure sustaining body member having an opening at one end, an axially outwardly facing thrust shoulder, and a radially inwardly facing annular recess between said thrust shoulder and the open end providing an axially inwardly facing thrust shoulder; a plurality of shear pieces in the annular recess; a cover in the opening substantially filling the space between the shear pieces and the outwardly facing thrust shoulder, said shear pieces transmitting pressure from the head to the inwardly facing thrust shoulder, and said cover having an axially outwardly facing annular groove adjacent its outer edge; a retaining ring preventing displacement of the shear pieces, said retaining ring comprising a main portion disposed radially inward of the shear pieces, an annular lip projecting radially outwardly from said main portion towards the wall of the body member to provide a relatively narrow joint between the body member and the retaining ring, and an annular rib projecting axially inwardly and closely received in the groove in the cover; means for sealing the joint between the body member and the retaining ring; a gasket at the bottom of annular groove in the cover; and a plurality of bolts extending radially through the retaining ring threadedly receive in the cover for retaining the former in position and for applying sealing pressure to the gasket through the annular rib.

2,296,711

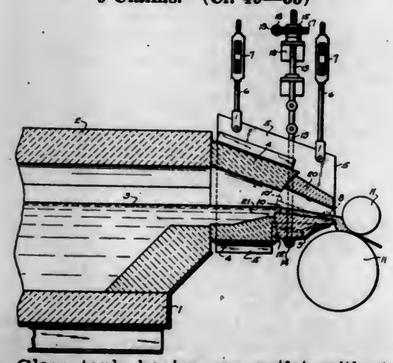
APPARATUS FOR FEEDING GLASS TO ROLLING MACHINES

Joseph Gaskell, St. Helens, England, assignor to Pilkington Brothers Limited, Liverpool, England, a limited-liability company of Great Britain

Application July 14, 1939, Serial No. 284,516

In Great Britain August 24, 1938

9 Claims. (Cl. 49—55)



1. Glass tank having an outlet with spout formed with a passage therethrough open at its opposite ends adapted to feed a sheet forming apparatus by continuous flow of glass from the tank through the passage in said spout, comprising means for mounting the spout in front of the outlet of the tank for tilting movement about an axis near the outer end of the spout, whereby the back end of its bottom can be adjusted in height below the glass level, to control the rate of flow of glass from the tank through said spout to the forming apparatus, or can be raised above the glass level to shut off the flow of glass through the spout.

2,296,712

LAMINATED PRODUCT

Francis Ralph Grant and Thomas A. Tennyson, El Dorado, Ark., assignors to Lion Oil Refining Company, El Dorado, Ark., a corporation of Delaware

No Drawing. Application September 28, 1939, Serial No. 296,924

8 Claims. (Cl. 154—50)

1. A laminated product comprising a plurality of laminae of paper, fabric, wood, or like materials, and a layer of adhesive between said laminae securing them together, said adhesive comprising the product obtained by blowing a bituminous material of the class consisting of asphalts and asphaltic fluxes, wtih approximately 1 to 10% of a trivalent metal soap, said product being characterized in that its laminae do not separate substantially even when wet with water.

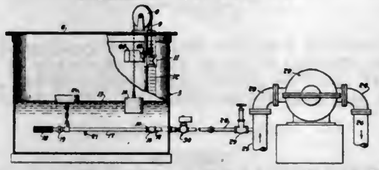
2,296,713

WATER TREATING APPARATUS

Walter H. Hinsch, Chicago, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois

Application June 21, 1940, Serial No. 341,651

6 Claims. (Cl. 210—29)



1. In a water treating apparatus, the combination of a tank for holding a supply of reagent fluid, a pipe through which water may flow, a conduit connecting said tank and said pipe and through which conduit reagent fluid may flow from said tank into said pipe, a valve in said conduit and including electrical means for normally holding the same open when energized and other means for closing said valve when said electrical means is deenergized, a circuit for said electrical means, a switch mounted upon the outside of said tank and disposed in said circuit and normally holding the same closed, a member mounted for guided movement on said tank adjacent said switch, and means in said tank that rises and falls with the level of the fluid therein and which means is operatively connected to said member, said member at a predetermined level of fluid in said holding means operating the switch to so affect said circuit that said valve closes to prevent the passage of fluid through said conduit.

2,296,714

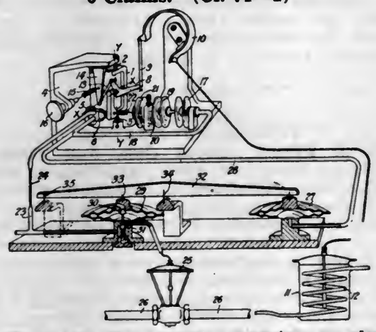
AUTOMATIC CONTROL APPARATUS

Harold William Ibbott, London, England, assignor to Negretti & Zambra, London, England

Application October 9, 1940, Serial No. 360,518

In Great Britain August 10, 1939

6 Claims. (Cl. 74—1)



1. In automatic control apparatus, an element movable in response to changes in a physical condition; a pivotal displaceable member; means for exerting force independently of said responsive element and independently of changes in said condition; force-transmitting means including a force transmitting member for transmitting force from said force-exerting means to said displaceable member; and connecting means separate from and exclusive of said displaceable member interposed between said responsive element and said force-transmitting member and being movable in response to movement of said responsive element independently of movement of said displaceable member about its pivotal axis for effecting such movement of said force-transmitting member as to vary the distance of the line of action of said force-transmitting member from the pivotal axis of said displaceable member to thereby vary the turning moment applied to said displaceable member by said force-exerting means, said apparatus being free from connections between said responsive element and said displaceable member capable of transmitting force from said responsive element to move said displaceable member about its pivotal axis, whereby said responsive element serves only to condition said force-transmitting means to apply a turning moment to said displaceable member.

2,296,715

HYDRAULIC DESCALING

Joseph F. Komar, Youngstown, Ohio

Application June 15, 1939, Serial No. 279,371

1 Claim. (Cl. 299—154)



A nozzle characterized by a longitudinally straight fluid passage having a circular entrance and initially decreasing in cross-sectional area while maintaining its circular shape, the passage then gradually flattening and flaring smoothly without twisting or enlargement of its cross-sectional area to form a slotted exit having straight sides transversely of the passage, the nozzle being made in one piece of Monel metal with a wall thickness throughout sufficient to withstand a fluid pressure of at least one thousand pounds per square inch and having a greater resistance to fluid erosion than if made of harder metal.

2,296,716

COLLOIDAL PHOSPHATE

Fredrick C. Jelen, Anniston, Ala., assignor to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application November 28, 1940, Serial No. 367,574

6 Claims. (Cl. 23—106)

1. The new compound, $K_1Na_5(PO_3)_6$.

3. Colloidal solutions of the salt: $K_1Na_5(PO_3)_6$.

2,296,717

LAMP SOCKET

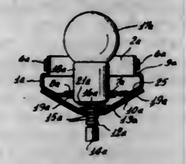
Philip W. Kridler, Detroit, Mich.

Application April 4, 1940, Serial No. 327,839

2 Claims. (Cl. 173—328)

1. A socket member comprising a cylindrical body having a transverse end wall of frustoconical shape, said wall having an aperture with at least one radial slot, an elastic disc overlying

said wall, said disc having a peripheral portion surface bonded to said transverse wall and the remainder which overlies the aperture being unsecured, and free to flex and a contact member



supported by said disc in coaxial relation with said aperture the conicity of said frusto-conical end wall being such that it corresponds closely to the conicity of the disc when distended by a lamp base.

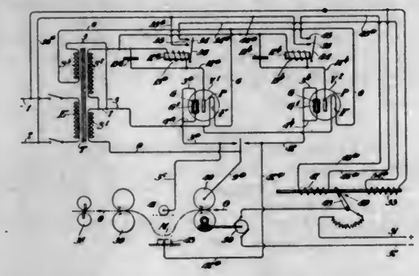
2,296,718
MIXING NOZZLE
George M. Kyprie, New York, N. Y.
Application January 28, 1941, Serial No. 376,297
4 Claims. (Cl. 299—83)



1. A mixing nozzle comprising a tubular member adapted for the reception of reagents, a water pipe extending through said tubular member, a tube communicating with the interior of said tubular member through said water pipe said tube extending through and beyond the end of said water pipe and adapted to create a suction on the reagent upon the passage of water through said pipe.

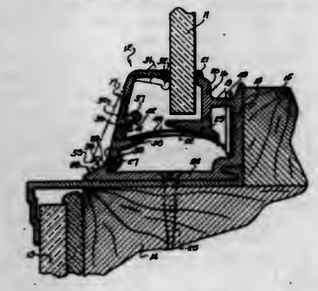
2,296,719
CIRCUIT CONTROL APPARATUS
John B. Looney, Birmingham, Ala.
Original application September 30, 1940, Serial No. 359,176. Divided and this application September 9, 1941, Serial No. 410,227
1 Claim. (Cl. 164—68)

In combination, a pair of vacuum tubes, each having a respective filament, grid and plate element, filament, grid and plate feeble current circuits in which said elements are connected, respective relays each having a magnetic coil energized by current flowing in the plate circuit of one of said tubes, respective armatures actuated in response to current fluctuations in said coils, a flying shear, spaced pairs of feed rolls for feeding strip thereto, means for driving said pairs of rolls so as to maintain a slack or looped portion between them, said driving means including a motor driving one pair of said rolls, a controller effective when one of said relays is energized to speed up said motor and to slow down said motor when the other of said relays is energized, and respective grid circuit closing members positioned



for coaction with the said looped portion of the strip, effective to cause one or the other of said relays to be energized upon contact of the strip with said grid circuit closing members.

2,296,720
SASH AND STORE FRONT CONSTRUCTION
Clyde D. Lowry, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 27, 1940, Serial No. 326,242
14 Claims. (Cl. 20—56.4)

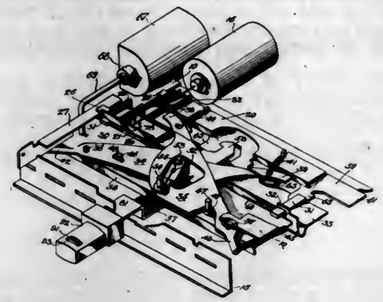


1. In a sash or store front construction, the combination of a fixed section and a movable section adapted to receive and clamp a pane of glass in place therebetween, said movable section being carried upon said fixed section and said fixed section being provided with a cammed outer surface curving rearwardly and downwardly, and resilient means carried by said movable section and engaging the cammed surface on said fixed section for urging the said movable section toward and maintaining it in yieldable engagement with the pane of glass.

2,296,721
TUNING MECHANISM
Harry J. Lyman, Royal Oak, and Dana C. Manning, Dearborn, Mich., assignors to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application September 6, 1940, Serial No. 355,678
15 Claims. (Cl. 250—40)

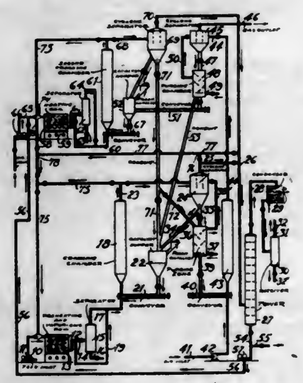
1. A tuning mechanism for a radio receiver, comprising a longitudinally movable tuning element, a slidable control member therefor, a plurality of manually operable push-buttons, a key bar movable by said push-buttons to various positions of adjustment, and a pair of oppositely

movable pivoted levers adjustable by said key bar upon movement thereof and adapted to position



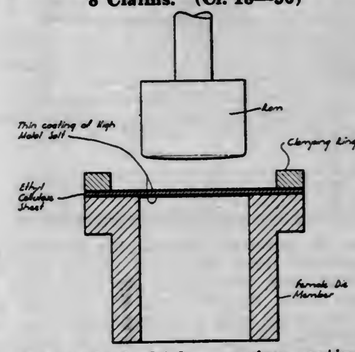
said member and said tuning element in accordance with the position of said key bar.

2,296,722
CRACKING OF HYDROCARBON OILS
Joseph V. Marancik, Roselle, and Homer Z. Martin, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 26, 1939, Serial No. 292,002
4 Claims. (Cl. 196—52)



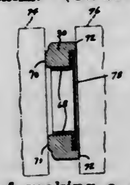
1. A method of catalytically cracking hydrocarbon oils to form lower boiling motor fuel products which comprises suspending a cracking catalyst substantially free of carbonaceous deposit in a stream of oil to be cracked, passing the resulting suspension through a cracking zone maintained at cracking temperature, keeping said suspension within the zone for a period sufficient to effect the desired cracking thereof, thereafter separating the catalyst from cracked products, suspending catalyst so separated in a stream of oil which is more amenable to cracking treatment than said first named stream, passing said last named suspension through a cracking zone separate and independent from said first named cracking zone, keeping said suspension within said last named cracking zone for a period sufficient to effect the desired cracking thereof and fractionating cracked products to separate a motor fuel fraction therefrom.

2,296,723
METHOD OF DEEP-DRAWING ETHYL CELLULOSE FILMS
Richard S. McClurg and Frederick C. Dulmage, Jr., Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application June 8, 1940, Serial No. 339,492
8 Claims. (Cl. 18—56)



1. The method which comprises coating a film, containing organo-soluble ethyl cellulose as the principal film-forming ingredient, with a thin surface layer composed substantially of an alkali metal salt of the acid sulfate of a saturated higher fatty alcohol containing at least 10 carbon atoms, drying the said coating, and drawing the film to make a hollow article.

2,296,724
METHOD OF MAKING REFRIGERATING APPARATUS
Alex A. McCormack, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 30, 1939, Serial No. 282,225
1 Claim. (Cl. 29—156)

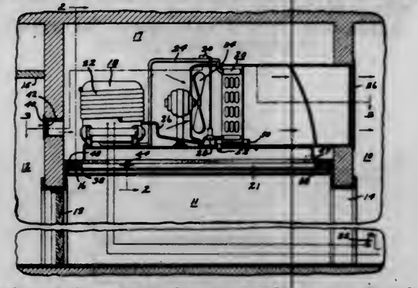


The method of making a seal ring provided with a gasket which comprises forming a blank ring, rough cutting the seal face on one side of the ring and a gasket recess flanked by a projection on the other side, hardening the ring, hot vulcanizing a gasket in said gasket recess in said seal ring beneath said projection, grinding said seal face to provide a seal surface while said ring is held by a magnetic chuck through said projection, and lapping said seal face to provide a smooth seal surface.

2,296,725
REFRIGERATING APPARATUS
Eugene E. McEwan, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 30, 1939, Serial No. 265,005
11 Claims. (Cl. 62—140)

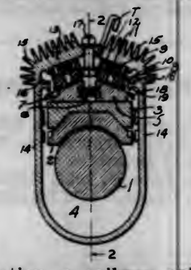
1. In combination with a room or the like, a main supporting panel, a volatile refrigerant evaporator supported on said panel, refrigerant

liquefying means for supplying refrigerant to said evaporator supported on said panel, a recess in one wall of said room having an opening slightly larger than said panel, means for supporting said panel substantially centrally of said opening whereby an air passage is formed between said



panel and the edges of said opening and whereby said evaporator and liquefying means are concealed from view, and means for circulating air from said room through said air passage into thermal exchange with said evaporator and back into said room.

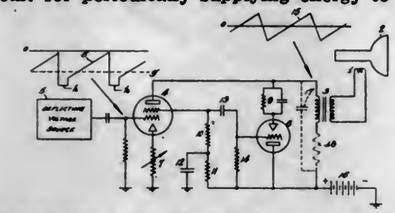
2,296,726
RAILWAY JOURNAL MOUNTING
John L. Mohun, Chicago, Ill.
Application October 21, 1938, Serial No. 236,153
8 Claims. (Cl. 308—38)



2. In combination, a railway axle journal, a journal bearing, a journal bearing wedge, blocks resting on and slidable transversely of said wedge with their top surfaces inclined upwardly and inwardly from the sides of said wedge, a journal box inclosing said journal, bearing, wedge and blocks and having a top wall inclined upwardly and inwardly from the box sides, rubber pads between said blocks and top wall and supporting said box and its load on said journal, and yielding means thrusting said blocks towards the sides of said box.

2,296,727
DEFLECTING OUTPUT CIRCUITS FOR CATHODE RAY TUBES
Robert C. Moore, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application August 7, 1940, Serial No. 351,765
In Great Britain September 18, 1939
11 Claims. (Cl. 250—27)

1. In a cathode ray tube beam deflecting system in which a magnetic field is periodically varied so as to deflect a beam of electrons, an output circuit including a coil having some distributed shunt capacity and some series resistance, and means for producing in said coil a periodically recurrent wave of substantially sawtooth waveform consisting of alternately occurring portions of respectively steep and gradual slope, said means comprising a first series circuit including said coil, a second series circuit including said coil, means connected in said first series circuit for periodically supplying energy to said



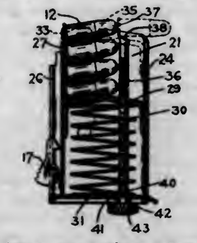
coil only during the latter portion of each of said portions of gradual slope of said sawtooth current wave, and means responsive to the loop current flowing in said first series circuit for increasing the effective resistance of said second series circuit during the time that energy is supplied to said coil.

2,296,728
TARGET THROWING MECHANISM
Harold F. Mossberg, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application February 20, 1940, Serial No. 319,853
17 Claims. (Cl. 124—8)



1. In a target throwing mechanism, a target holding frame, means to actuate said frame to throw a target therefrom, clamp means including separate upper and lower clamp members adapted when drawn together to embrace a supporting member to detachably secure the mechanism thereto, and common means to draw said clamp members together about the supporting member and to secure said frame to the lower one of said clamp members.

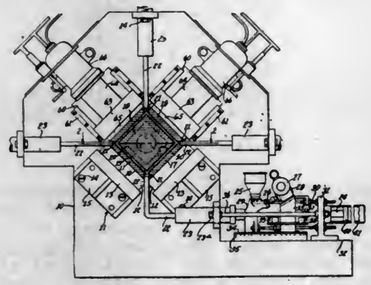
2,296,729
CARTRIDGE MAGAZINE FOR FIREARMS
Iver O. Mossberg, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application April 1, 1939, Serial No. 265,478
9 Claims. (Cl. 42—50)



1. In a box-type magazine adapted in length and width to carry cartridges of the same calibre but of different lengths, a bottom plate, and a readily insertable and removable rod-like member extending upwardly through said bottom plate and disposed in position in said magazine to be engaged by the forward end of the shortest

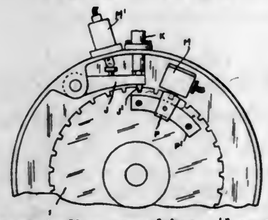
length of cartridges to be disposed therein, to prevent them slipping forwardly in said magazine.

2,296,730
INJECTION MOLDING MACHINE WITH INCLINED CLAMPS
Johan A. Muller and Warren R. Tucker, Mount Gilead, Ohio, assignors to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application June 21, 1938, Serial No. 214,958
4 Claims. (Cl. 18—30)



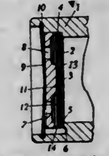
4. In a press, a frame having a pair of inclined guideways disposed in an approximately V-shaped arrangement, platens reciprocable in said guideways, hydraulic plungers secured to said platens, inclined hydraulic cylinders reciprocably receiving said plungers, a mold supported in part on said frame having a plurality of separable upper portions arranged in inverted V-shape, one of said portions being secured to each of said platens, and two lower fixed portions forming with said movable portions the four sides of a hollow square, passageways at the four corners of said square, separate material injecting means communicating with each of said passageways, a hydraulic cylinder disposed laterally of said frame, and a laterally disposed hydraulic plunger movable therein, another of said mold portions being secured to said laterally disposed hydraulic plunger.

2,296,731
STOP MECHANISM FOR GRINDING MACHINES
Reino H. Mustonen, Detroit, Mich., assignor to The Gear Grinding Machine Company, Hamtramck, Mich., a corporation of Michigan
Application March 12, 1941, Serial No. 383,021
3 Claims. (Cl. 51—92)



1. In a grinding machine, the combination with a rotary grinder, a work support, a carriage for reciprocating the one in operative relation to the other, a hydraulic motor for actuating said carriage, and an indexing mechanism for the work automatically operated during a portion of the reciprocatory movement of said carriage, of a normally open valve controlling the supply of fluid to said motor, automatic means for closing said valve to arrest movement of said carriage upon failure of said indexing mechanism to complete an indexing movement, and further means for automatically closing said valve upon completion of an indexing cycle.

2,296,732
FLUID VALVE
William Robert Oyston and John Leslie Cloudsley, London, England, assignors to John Leslie Cloudsley, London, England, and Alfred Brash, Melbourne, Victoria, Australia
Application October 16, 1939, Serial No. 299,776
In Great Britain September 23, 1938
2 Claims. (Cl. 277—45)



1. In a fluid valve, a pair of valve forming members, one of which comprises a laminated disc formed by a series of flexible plates having centrally disposed registering openings, the other member being a rigid disc having a central boss against which the central portion of the laminated disc rests, said rigid disc also having an annular rib surrounding said boss and against which the peripheral portion of the laminated disc rests, the lamina of said laminated disc nearest the boss being provided with a slot extending radially from its central opening and terminating beyond said boss.

2,296,733
GUN SLING
Alfonso A. Paolino, Paterson, N. J.
Application April 10, 1940, Serial No. 328,998
2 Claims. (Cl. 42—85)

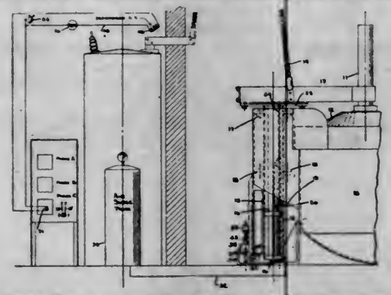


1. A sling for a gun comprising a folded strip of leather adapted to be secured to the stock portion of the gun with its free ends depending from the stock, an elongated strip of elastic material folded upon itself to make an elastic strip of double thickness, the free ends of the elastic strip being sewn between the depending ends of the leather strip, a link through which the end of the folded part of the elastic strip is passed, said link being adapted to be connected with the barrel of a gun and adjustable means for connecting the end of the folded part of the elastic strip to another part of the elastic strip for adjusting the length of the sling.

2,296,734
MEANS FOR AUTOMATICALLY CONTROLLING THE ELECTRODES OF ARC FURNACES
William Harvey Payne, La Grange, Ill.
Application January 25, 1941, Serial No. 375,990
5 Claims. (Cl. 13—13)

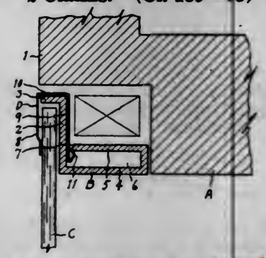
3. In an electric arc melting furnace having an arcing electrode and a vertically movable arm carrying the electrode, means for supplying heating current thereto, piston means and a connection engaging said arm, means for maintaining

a gaseous medium under pressure in a cylinder and against said piston means to act against the weight of the arm and the electrode carried thereby, means for admitting or withdrawing liquid under pressure against the piston means, and in sufficient degree when admitted to impart a positive movement to the arm and electrode, said means including a reversible pump and con-



nections for forcing forward or withdrawing the liquid medium as the case may be, reversible power applying means in train with the pump, and spark-gap-variation actuated means for controlling the direction of movement of the power applying means in response to variations in the current flow through the electrode which require readjustment of the electrode.

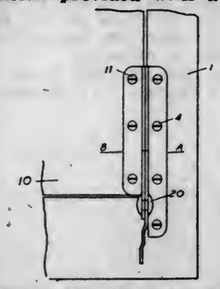
2,296,735
FRAMING MEANS
Eric Sigfrid Persson, Malmo, Sweden
Application June 10, 1940, Serial No. 339,813
2 Claims. (Cl. 189—78)



1. In a frame structure for carrying a sheet of material, a supporting element extending along one surface of said sheet adjacent the edge thereof, a flange on said supporting element extending along the edge face of the sheet of such a width as to extend approximately to the plane of the opposite surface of the sheet, means carried by the surface of the supporting element opposite the sheet and having a portion spaced from said supporting element to provide a slot-like recess having a restricted opening between said portion and the surface of the supporting element opposite the sheet, a channel-shaped fastening strip embracing the sheet and supporting element, and an enlarged bead on the edge of the leg of the fastening strip adjacent the supporting element and having a resilient portion engaging one of the walls of the slot-like recess.

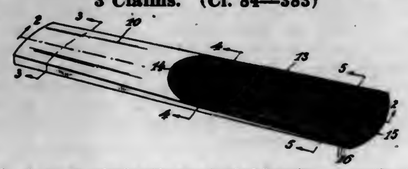
2,296,736
HINGE
Eric Sigfrid Persson, Malmo, Sweden
Application July 20, 1940, Serial No. 346,648
5 Claims. (Cl. 16—142)

1. In a hinge of the character described having two parts, a pin pivotally connecting the parts together, a plate-like member associated with one hinge part and lying in a plane perpendicular to the axis of the pin, and contact means carried by the other hinge member in sliding engagement with one surface of said plate-like member, said plate-like member having an extension provided with a plurality of



stepped portions each lying in planes parallel to the plate-like member, said stepped portions progressively offset out of the plane of the plate-like member toward the contact means to exert greater pressure on the contact means axially of the pin when the hinge parts are relatively pivoted to bring the contact means and offset extension into engagement with each other.

2,296,737
REED
Walter M. Peterson, Hewlett Harbor, Long Island, N. Y., assignor to Wm. R. Gratz Co., Inc., New York, N. Y., a corporation of New York
Application August 29, 1941, Serial No. 408,741
3 Claims. (Cl. 84—383)

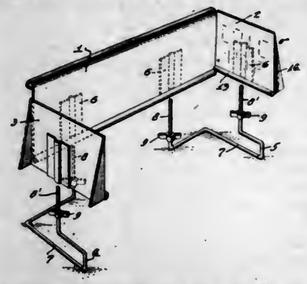


1. A reed of plastic material having mouthpiece gripping portion of rounded top rearward, and a tapering front with a flat bottom throughout, the tapering front having a tip of paper-like thinness and having rills extending from the tip to the rearward top, for strengthening the thinned front top; said rills extending to the extreme end of the tip, and having a depth substantially equal to the width, each contiguous to the other.

2,296,738
COOLER SPACER
Claude W. Quiggle and Frank M. Bouchard, St. Elmo, Ala.
Application January 13, 1940, Serial No. 313,790
1 Claim. (Cl. 220—22)

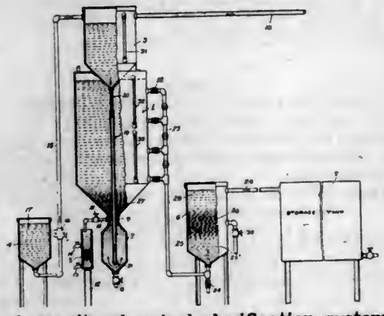
A spacer for a bottle cooler comprising a base having upstanding front and rear leg portions, a second base in opposed relation to the first base and also having front and rear leg portions, a back plate having sockets, end plates each having a socket, said rear legs of each base adapted to fit the sockets of the back plate and supported thereon and said front leg portions adapted to fit in each of said sockets of the end plates to be supported thereon, and means for adjusting said plates vertically of the legs of said bases, said bases resting upon the bottom of the cooler and

supporting the back plate in spaced parallel relation to one of the side walls of the cooler, whereby the back plate cooperates with the end plates



and said side walls of the cooler to form a compartment of generally rectangular shape in said cooler.

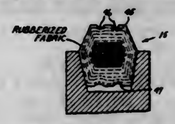
2,296,739
GRAVITY CHEMICAL CLARIFICATION SYSTEM
Arthur M. Ray, Helena, Mont.
Application September 24, 1940, Serial No. 358,107
7 Claims. (Cl. 196—15)



1. A gravity chemical clarification system for cleaning a dry cleaning solvent including a separating tank, a mixing tank positioned below the separating tank, conduit means providing free communication between the bottom of the separating tank and the top of the mixing tank, a third tank arranged above the separating tank, conduit means leading from the bottom of the third tank to near the bottom of the mixing tank, means for directing dirty cleaning solvent into said third tank at the top thereof, means for directing a solvent cleaning solution into said third tank at the top thereof whereby said dirty solvent and said cleaning solution will be discharged through said second conduit means into said mixing tank near the bottom, means for draining off solvent from said separating tank, and means for drawing off sludge from between said separating tank and said mixing tank.

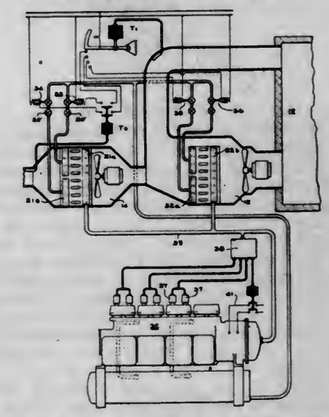
2,296,740
DOUBLE-V BELT
Victor G. Reiling, Dayton, Ohio, assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio, a corporation of Ohio
Application February 15, 1941, Serial No. 379,106
6 Claims. (Cl. 74—234)

1. As an article of manufacture, an improved double-V belt having a hexagonal shaped inner strength section, said strength section being made up of a convolute toroid body, a plurality of superimposed rubberized fabric layers laid around said strength section and integrally united



therewith to form a unitary belt, said belt comprising fluted top and bottom outer surfaces.

2,296,741
AIR CONDITIONING APPARATUS
Charles M. Sanders, Jr., Oak Park, Ill., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 2, 1938, Serial No. 217,117
6 Claims. (Cl. 62—6)



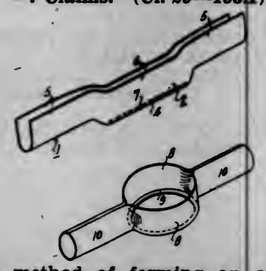
2. In an air conditioning system for an enclosure, the combination of means for effecting flow of a stream of air from the enclosure and a stream of outdoor air, mixing the two streams and delivering the mixed air stream to the enclosure, first means for cooling the outdoor air stream before mixing, second means for cooling the mixed air stream, means for successively intiating operation of the first and the second air cooling means automatically in response to successively higher predetermined values of a heat load condition of the enclosure, and means responsive to a predetermined minimum temperature of the outdoor air for terminating operation of the first air cooling means independently of the last-mentioned means.

2,296,742
METHOD FOR PRODUCTION OF GLUE FOR VENEERS AND PLYWOOD
Curt Schülein, Bopfingen, Wurttemberg, Germany, assignor to Taccalin Chemical Corporation, Long Island City, N. Y., a corporation of New York
No Drawing. Application November 24, 1937, Serial No. 176,388. In Germany July 6, 1935
4 Claims. (Cl. 106—137)

1. A method for producing a glue broth for gluing veneers and plywoods by hot pressing comprising mixing pulverulent animal glue with a comparatively small quantity of liquefying agents and a considerable quantity of finely distributed insoluble substances, adding water and heating

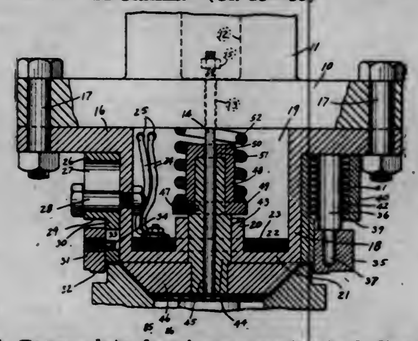
up to 60° C. to prepare a concentrated glue-broth and adding a very small quantity of substances exerting a hardening effect upon the glue.

2,296,743
METHOD FOR MANUFACTURING AXLE HOUSINGS
Albert Common Scott, Bush Hill, London, England
Application September 9, 1940, Serial No. 356,096
In Great Britain March 30, 1940
7 Claims. (Cl. 29—153.1)



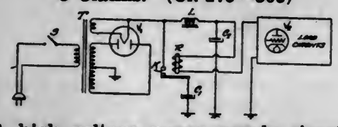
1. The method of forming an axle-housing from a flat sheet of metal which consists in cutting a metal blank to the required size and shape, in pressing out a portion of the strip between its ends to form a channel transverse of the strip, in pressing out the strip longitudinally about its longitudinal centre line to form throughout the length of the strip a U cross section, the pressing out extending across the transverse channel so that a pucker is formed in the metal, in slitting the base of the channel portion of the strip and drawing apart the parts of the channel at each side of the slit and pressing them so that each part forms one half of a banjo housing wall with a single flange, formed by the edges of the slit, and pressing over the limb portions of the U at each side of the channel portion so that the outer or upper edges of the sides of the U abut and welding the said edges together to form tubular axle-receiving portions at each side of the banjo housing.

2,296,744
APPARATUS FOR FORMING AND DEODORIZING PAPER PLATES
Paul R. Simmons, Warsaw, Ind.
Application June 18, 1938, Serial No. 214,603
11 Claims. (Cl. 18—35)



4. Paper plate forming apparatus including a female die arrangement and a male die arrangement, one arrangement being movable toward and away from the other for plate formation, the male arrangement including a central portion and two sleeve portions about the central portion and movable relative thereto, one sleeve portion enveloping the other sleeve portion, the female arrangement including a well portion for reception of the central portion, an adjacent surface portion for cooperation with the inner sleeve portion and having a relieved portion adjacent said last mentioned surface portion for cooperation with the outer sleeve portion, the said adjacent surface portion and the said inner sleeve portion forming a rim on the plate, and the relieved portion and the outer sleeve portion forming a downturned skirt on the rim periphery, the plate being completely formed from flat paper board stock in a single relative movement between the arrangements, the inner and outer sleeve portions each having telescopic movement relative to the central portion and normally constrained toward operative engagement with the female arrangement, the outer sleeve portion being carried by the inner sleeve portion and having movement independent thereof, the central portion of the male arrangement being of dual and concentric character, the inner portion thereof having movement relative to the outer portion thereof, and means yieldingly constraining said inner central portion toward one position, said inner central portion being movable in an opposite direction to another position when the well and central portions have operative engagement and by reason thereof.

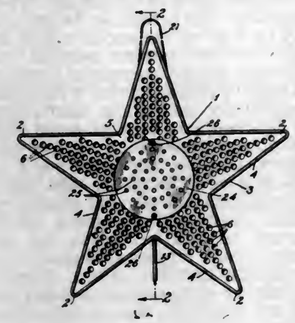
2,296,745
FILTER CIRCUIT FOR RECTIFIED ALTERNATING CURRENT
Newland F. Smith, Jr., Wyndmoor, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 5, 1940, Serial No. 339,019
In Great Britain June 13, 1939
3 Claims. (Cl. 175—363)



1. A high voltage power supply circuit comprising a source of rectified alternating current, means for filtering said current comprising at least a series inductor, a shunt input condenser, and a shunt output condenser, a load circuit connected to the output of said filter, said load circuit being of the type that draws an initially small current and a much larger current after a period of operation, said source of rectified alternating current producing a substantially lower rectified voltage under said larger current load and a higher rectified voltage under said initially small current load, at least one of said condensers being incapable of withstanding said higher rectified voltage, and means to protect said condenser from said higher rectified voltage comprising a relay having an actuating winding and a pair of contacts adapted to close when said larger current flows in said actuating winding, said actuating winding being in series with said load and said contacts being in series with the

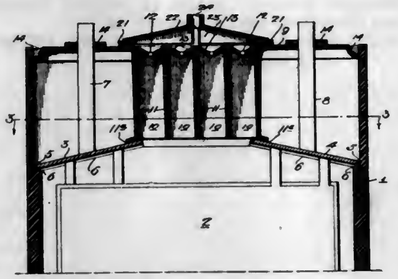
2,296,746
ILLUMINATED ORNAMENTAL OBJECT
Eugene L. Snyder and Lucy E. Snyder, Canton, Ohio
Application May 9, 1940, Serial No. 334,210
1 Claim. (Cl. 240—10)

An illuminated ornamental five pointed star formed of a single sheet of transparent plastic material provided with a continuous, forwardly disposed, angular flange around its edge and having a central opening therein, an angular bracket upon the rear side of the star below said central opening, a light bulb socket carried by said bracket, a light bulb in the socket located slightly back of the central opening to permit heat from the light bulb to rise behind the plastic



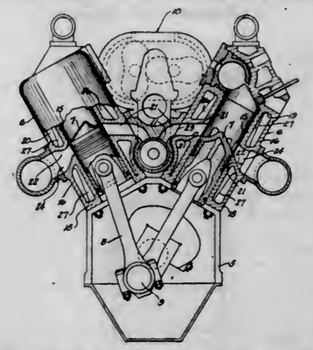
star and to permit easy replacement of the light bulb in the socket, a bracket upon the rear side of the star above said central opening for hanging up the star, bolts located through said brackets and through the star, spacers upon said bolts, a disk upon said bolts spaced forwardly from the central opening by said spacers, there being recesses in the rear face of the star and dimples upon said brackets engaged in said recesses.

2,296,747
EXPLOSIONPROOF STORAGE BATTERY
Harvey N. Stover, Haddonfield, N. J., assignor to Philco Corporation, a corporation of Pennsylvania
Application November 4, 1939, Serial No. 302,922
7 Claims. (Cl. 136—179)



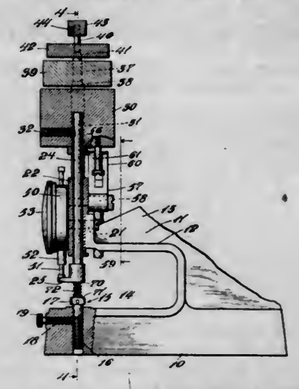
2. In a storage battery, a container, electrodes and electrolyte within said container, a top or cover for said container having a plurality of separate vent openings for the release of gases liberated within the battery, and means for partitioning and conveying all of the liberated gases to said vent openings, said means including a multiplicity of separate gas passages each extending from below the electrolyte level to one of said vent openings, whereby a forceful explosion of gases is prevented.

2,296,748
CYLINDER AND JACKET CONSTRUCTION FOR ENGINES
Constantine Lee Straub, Milwaukee, Wis., assignor to Robert W. Baird, Milwaukee, Wis.
Original application March 24, 1939, Serial No. 263,885. Divided and this application April 16, 1941, Serial No. 388,808
3 Claims. (Cl. 123—173)



1. The combination of a water jacketed cylinder having a piston reciprocating therein and having ports perforating said cylinder walls for the admission and exhaust of gases, port bridges integral with the cylinder walls and extending across the ports thereof, said part bridges being of substantial depth and also having extensions extending lengthwise of the cylinder and disposed in the water passageway provided between the outside of the cylinder wall and its jacket to reinforce and strengthen the cylinder wall and to provide water-cooled heat dissipating fins for said bridges.

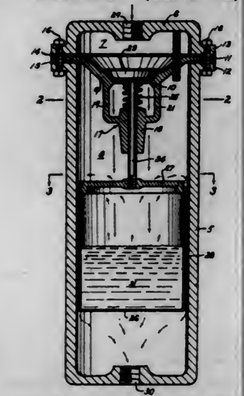
2,296,749
GAUGE
Frederick C. Tanner, Warwick, R. I., assignor to Federal Products Corporation, a corporation of Rhode Island
Application November 22, 1940, Serial No. 366,541
12 Claims. (Cl. 33—147)



1. A thickness gauge comprising a lower anvil, a plunger rod provided at its end with an upper anvil and movable toward and from said lower anvil, a weight carried by said rod, a support movable into or out of engagement with said weight to move the same relative to the lower anvil, and cam means engaging said support and operable to po-

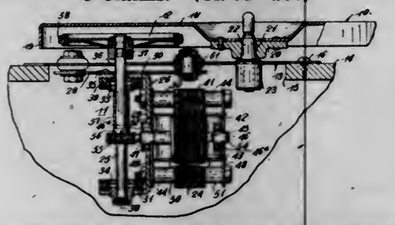
sition said support into or out of engagement with said weight to control the movement of said rod.

2,296,750
SAFETY REVAPORIZER FOR LIQUEFIED GAS SYSTEMS
Arthur L. Tucker, Oklahoma City, Okla.
Application February 3, 1941, Serial No. 377,190
6 Claims. (Cl. 62—1)



1. A revaporizer for liquefied gas dispensing systems comprising: a sealed container having an inlet and an outlet chamber arranged one above the other and in communication; a downwardly closing valve in the inlet chamber for controlling the flow of fluid therefrom into the outlet chamber; means for normally maintaining said valve in an open position; an open topped bucket movably mounted in the outlet chamber and positioned to receive all liquid which enters that chamber; and operative connections between the bucket and the valve for closing said valve when a predetermined quantity of liquid has accumulated in the bucket.

2,296,751
DRIVE FOR TURNTABLES
Fritz R. van der Woude, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio
Application April 6, 1940, Serial No. 328,348
3 Claims. (Cl. 74—207)



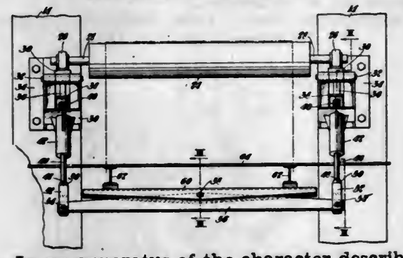
1. Unitary driving mechanism for phonograph turntables of the type wherein a turntable having a pendant peripheral flange is rotatably supported on the upper side of a mounting plate, a unitary motor and speed reducing motor driven transmission for rotating the turntable comprising a rubber tired friction wheel within and adjacent to the turntable flange, a carrier plate disposed parallel to the mounting plate, at least three shock mounting units interconnecting the plates, one of the shock units comprising a pivotal connection for one portion of the plate near its border, and the other of said mounts permitting a limited lateral sliding movement of the adjacent border portions of the plate relative to the other mounts, all of said mounts being disposed near the border edges of the carrier plate and substantially laterally spaced from each other, a vertically extending shaft having its upper end projected through an opening in the carrier plate and a relatively aligned larger clearance opening in the mounting plate whereby its upper end is projected within the turntable flange, said wheel secured by its hub on the upper end of the shaft, a U-shaped bracket, having parallel upper and lower relatively spaced horizontal arms, supporting by its yoke, a motor having a rotor supported by a horizontally extending shaft, said shaft projected between said bracket arms and having its end suitably provided with a spiral worm gear, a gear pinion meshed with said worm gear and secured to said vertical shaft, said bracket providing aligned bearings on said bracket arms for said vertical shaft and providing at its intermediate yoke portion a bearing for said rotor shaft, spring means biasing said carrier plate to a position wherein the tire of said friction wheel makes frictional engagement against the inner surface of the turntable flange, whereby one element of the speed reducing transmission mechanism is afforded by said worm and pinion and another element by the frictional engagement of said wheel with the turntable flange of relatively substantially increased diameter, and whereby slippage between said wheel and said flange protects said worm gear against stresses imposed thereon during the motor starting period and when the turntable is manually and improperly rotated, and whereby the provision of the worm and pinion reduction gearing permits said wheel to be of such large diameter as to effect proper operational frictional driving by said wheel of said turntable.

2,296,752
PROCESS OF MANUFACTURING EMBOSSED ARTICLES
Eugene S. Whetzel, Aurora, Ill., assignor, by mesne assignments, to a copartnership consisting of William P. York and Eugene S. Whetzel, Aurora, James H. Watts, Danville, and Elmore P. Watts, Aurora, Ill.
Application June 11, 1941, Serial No. 397,551
4 Claims. (Cl. 41—24)



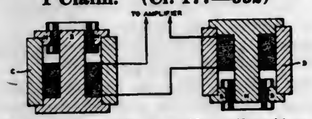
1. A process of manufacturing an embossed, decorated article comprising applying to a flat sheet of a cellulose acetate plastic material a distorted design formed by a cellulose acetate lacquer having at least as great a plasticity as said sheet, embossing said sheet, and thereby changing the design from the original distorted form to a final desired form.

2,296,753
EQUALIZING GUIDE ROLL
Percy J. Wilton, Gary, Ind.
Application December 26, 1940, Serial No. 371,805
3 Claims. (Cl. 80—51)



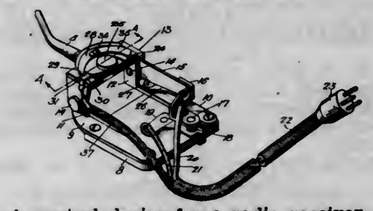
1. In an apparatus of the character described, a reel carrying a supply of coiled material, means for drawing the material therefrom, a guide roll between the latter and said reel, self-aligning bearings supporting the opposite ends of said roll, a pivotally mounted base member for individually supporting each of said self-aligning bearings with freedom for movement in directions substantially normal to the roll axis, an equalizer bar coacting with both said supporting means, and respective cushioning means interposed between said equalizer and each of said supporting means.

2,296,754
ASTATIC ELECTROMAGNETIC VIBRATION DETECTOR
Alexander Wolf and Laurence G. Cowles, Houston, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 29, 1939, Serial No. 270,726
1 Claim. (Cl. 177—352)



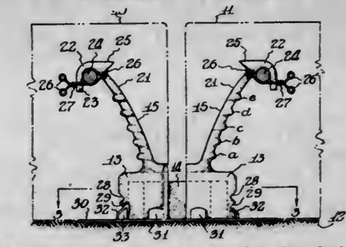
An electromagnetic earth vibration system comprising two similar detector units, each of said units including a magnet having an outer pole and an inner pole, a pick-up coil wound around the inner pole of each magnet and an annular inertia member resiliently suspended between the poles of each magnet, each of said coils having the same number of turns and the magnetic field being of equal magnitude and of the same direction in the two coils, said detector units being arranged in a parallel relation in a vertical plane and separated in the direction in which direct waves are received by a distance such that voltages induced in the coils by the direct waves will be opposite in phase, the polarity of the inner pole of the magnet of one unit being the opposite of the polarity of the inner pole of the magnet of the other unit, the pick-up coils of said unit being connected electrically in series so that the resulting output of said pick-up coils due to earth vibrations is equal to the algebraic sum of the voltages of each of said coils, while the voltages induced in said coils by an external magnetic field are canceled.

2,296,755
RADIO CONTROL DEVICE
Leslie J. Woods, Grosse Pointe, Mich., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application May 6, 1941, Serial No. 392,146
15 Claims. (Cl. 250—14)



1. A control device for a radio receiver, comprising a manual control member arranged for arcuate movement in two directions substantially perpendicular to one another, biasing means for returning said member after each movement in one of said directions, means for retaining said member in its different positions of movement in the other direction, means operable by the movement of said member in said one direction for effecting a certain radio control function, and means operable by the movement of said member in said other direction for effecting a different radio control function.

2,296,756
LOAD TRANSFER DEVICE
Ray Cyrus Yeoman, Lufkin, Tex., assignor to Texas Foundries, Inc., Lufkin, Tex., a corporation of Texas
Application June 7, 1940, Serial No. 339,319
9 Claims. (Cl. 94—8)



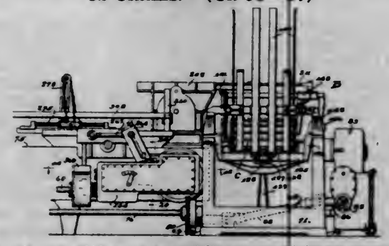
1. A hinge type load transfer for bridging a gap between the confronting faces of a pair of road paving slabs, said device including a pair of inter-dependent units adapted to have their major portion imbedded in their related slabs, each of said units including a bearing member of inverted U-shaped vertical section constituting a channel, said bearing member having a single bearing surface at the top of the member interior of said member, one of the legs of the channel being extended and acting as a bridging member spanning the gap and seated in the other bearing member in engagement with said bearing surface short of the inner end thereof.

2,296,757
ELECTROLYTICALLY DEPOSITED IRON
John L. Young, Pittsburgh, Pa., assignor, by mesne assignments, to Plastic Metals, Inc., a corporation of New York
No Drawing. Application September 1, 1938, Serial No. 227,972
1 Claim. (Cl. 204—112)

An electrolytically deposited sheet of iron

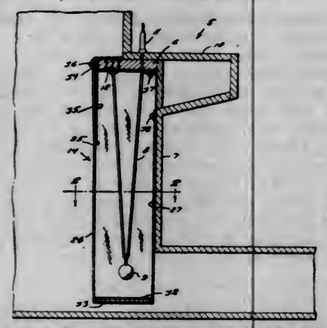
capable of maintaining its fine-grained electrolytic structure when heated to a temperature exceeding the upper critical, in which the crystalline grains of the deposit are enveloped in a slag of iron oxide and silica.

2,296,758
MACHINE FOR ASSEMBLING CARTON PARTITIONS
Paul C. B. Allen, Toledo, Ohio, and Julius E. Wilske and Francis A. McCormick, Alton, and Albert S. Jackson, Wood River, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application February 26, 1941, Serial No. 380,678
32 Claims. (Cl. 93—37)



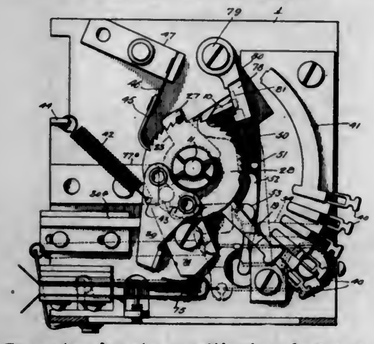
1. A partition assembling machine, comprising in combination mechanism for feeding strips singly and in succession from a magazine, means for arranging said strips in spaced parallel relation, means for advancing a group of the spaced strips as a unit and while held in said spaced parallel relation, to an assembly zone, means for advancing the group of strips step by step within said zone, and mechanism for assembling cross-strips with the strips of said group, said assembling mechanism including means for moving a cross-strip into assembled relation with said group after each said step movement of the group.

2,296,759
SWITCHBOARD CORD BAG
Frederick Erwin Babbitt, Red Bank, N. J., assignor to The Genwilmar Company, Inc., Red Bank, N. J., a corporation of New Jersey
Application April 5, 1941, Serial No. 387,085
2 Claims. (Cl. 179—95)



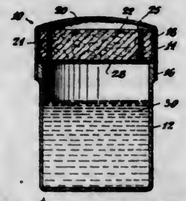
1. The combination with a telephone switchboard having a cord shelf, a front panel extending downwardly from the front edge of said cord shelf, and weight-equipped cords suspended from said shelf behind said panel, of a cord bag suspended from said shelf and panel and enclosing said cords, said bag having a rear wall formed in its upper portion with an access opening, and a closure flap for said opening folded over said shelf and detachably attached to the sides of said bag and to said shelf.

2,296,760
STEP-BY-STEP SWITCH
Gerald J. Barry, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 3, 1939, Serial No. 277,273
7 Claims. (Cl. 74—155)



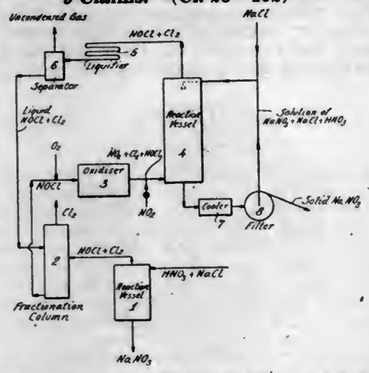
1. In a step-by-step positioning device, a movable element having a home position arranged for movement to successive operating positions, means for effecting step-by-step movement of said element to its successive positions in response to successive control impulses, means for urging said element to its home position, means for maintaining said element in each position to which it is moved, means responsive to cessation of an impulse for rendering said maintaining means ineffective, and frictional time-delay means comprising a drum and cable device for retarding the operation of said last-named means for a period sufficient to permit stepping of said element in response to a subsequent control impulse.

2,296,761
CONTAINER FOR MEDICAMENT SUBSTANCE OR THE LIKE
William G. Beckers, Bolton, N. Y.
Application December 29, 1939, Serial No. 311,498
1 Claim. (Cl. 128—272)



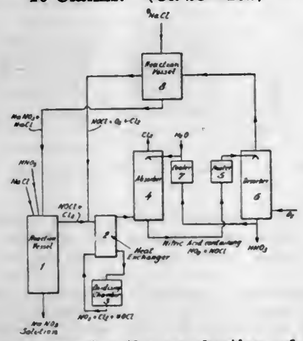
A container for a concentrated substance comprising a housing having a compartment for containing a body of the substance, a wall of the compartment being formed to provide a space adjacent a surface of the substance, the opposed wall of the compartment being provided with openings, tubular elements extended through said openings and through the body of said substance to said space, and said tubular elements each being provided with a narrow slot along the length thereof to a point adjacent said opposed wall.

2,296,762
PROCESS FOR THE PRODUCTION OF CHLORINE AND A NITRATE FROM NITROGEN PEROXIDE AND A CHLORIDE
Herman A. Beekhuis, Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application December 20, 1938, Serial No. 246,906
9 Claims. (Cl. 23—102)



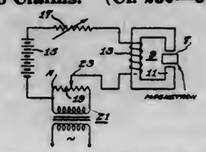
1. The process for the production of a metal nitrate and chlorine which comprises partially oxidizing nitrosyl chloride to form a mixture of nitrogen peroxide, chlorine and residual unoxidized nitrosyl chloride, introducing nitrogen peroxide thus obtained mixed with nitrosyl chloride in the proportions of 0.1 part or more NOCl to every 1 part NO_2 by weight into contact with a solution of a metal chloride in aqueous nitric acid and reacting the major proportion of said nitrogen peroxide with the metal chloride in said solution under conditions resulting in the formation of metal nitrate with chlorine being evolved from the metal chloride substantially only as nitrosyl chloride.

2,296,763
PROCESS FOR THE PRODUCTION OF CHLORINE AND METAL NITRATE
Herman A. Beekhuis, Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application December 21, 1938, Serial No. 247,087
10 Claims. (Cl. 23—102)



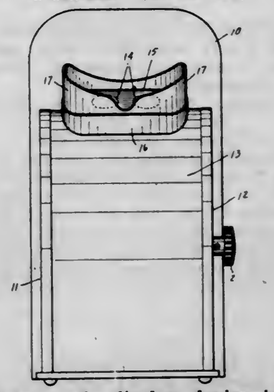
1. The process for the production of a metal nitrate and chlorine which comprises reacting nitric acid and metal chloride under conditions resulting in the formation of metal nitrate and evolution of chlorine of the metal chloride as a mixture of nitrosyl chloride and chlorine, oxidizing said nitrosyl chloride to nitrogen peroxide and chlorine, separating the nitrogen peroxide from the chlorine, reacting the thus separated nitrogen peroxide in a circulatory system with a metal chloride under conditions resulting in the formation of metal nitrate with chlorine being evolved from the metal chloride substantially only as nitrosyl chloride, and in said system circulating the nitrosyl chloride thus produced and oxidizing it to nitrogen peroxide and chlorine, separating the nitrogen peroxide from the chlorine, and reacting the nitrogen peroxide thus obtained with metal chloride together with the aforesaid nitrogen peroxide.

2,296,764
MAGNETIC FLUX REGULATOR
Rene A. Braden, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 27, 1939, Serial No. 276,079
8 Claims. (Cl. 250—36)



1. The method of stabilizing a radio device including an electromagnet having a magnetizable metallic core the flux density of which determines the operating characteristics of said device which includes the steps of passing a direct energizing current through said electromagnet, passing an alternating current of a predetermined frequency through said electromagnet, and gradually reducing the amplitude of said alternating current to condition said electromagnet for operation at a predetermined point on its hysteresis loop characteristic.

2,296,765
STEREOSCOPIC DISPLAY DEVICE
Robert V. Brost, Chicago, Ill.
Application October 13, 1941, Serial No. 414,758
4 Claims. (Cl. 88—31)



1. A stereoscopic display device including a casing, a stereoscopic optical system mounted on said casing, a hollow cylindrical rotor in said casing, the cylindrical wall of said rotor being formed of translucent material, films mounted on said wall and carrying a plurality of pairs of stereoscopically mating images adapted to be

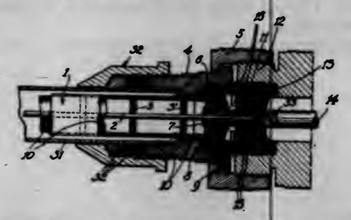
brought successively into position to be viewed through said optical system by rotation of said rotor, illuminating means within said rotor, and an index carried by said rotor, said casing having an opening through which said index is visible, and said opening being placed in a wall of said casing remote from said optical system to be visible to one observer while another observer is using said optical system.

2,296,766

COUPLING MEANS FOR COAXIAL CABLES

William A. Bruno, Astoria, Long Island, N. Y., assignor, by mesne assignments, to Bruno Patents Inc., Long Island City, N. Y., a corporation of New York

Application August 13, 1940, Serial No. 352,381
2 Claims. (Cl. 174—22)



1. Coupling means for electrically connecting a co-axial cable, said coupling means comprising a first connecter member adapted to be fastened at the end of a co-axial cable, and a second connecter member adapted to be assembled with said first connecter member, said connecter members being provided with means for producing a central conductor prong electrical contact, and an annular frictional contact for the outer conductor of said co-axial cable, said annular frictional contact being provided by a slotted tubular extension of said first connecter member fitting into a registering recess formed by an inner cylindrical surface of said second connecter member and the outer cylindrical surface of an insulating member positioned in said second connecter member.

2,296,767

DETERGENT COMPOSITION

Coleman R. Caryl, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 19, 1940, Serial No. 341,306
3 Claims. (Cl. 252—138)

3. A detergent composition in solid cake form comprising from 5 to 15% by weight of a water-soluble salt of di-(normal octyl) sulfosuccinate, the remaining 95 to 85% by weight of the detergent composition comprising boric acid and an alkali metal polyphosphate, the said alkali metal polyphosphate being present in amounts of from about 20 to 30% by weight of the boric acid.

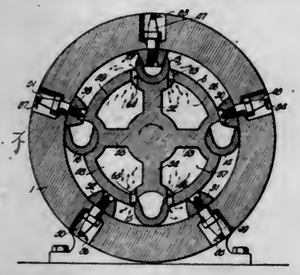
2,296,768

ROTARY ENGINE

Charles W. Cochran, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

Application March 20, 1941, Serial No. 384,314
10 Claims. (Cl. 123—8)

1. A rotary engine including in combination a cylindrical casing forming a stator, a rotor mounted concentrically within said casing having its external periphery spaced from the internal periphery of said casing, said rotor being formed with a plurality of cylindrical troughs, a plurality of rotary pistons mounted in respective troughs for rotation therein in timed relation with said rotor, said rotary pistons having the form of hollow cylinders with a portion of their sides removed, said removed portions subtending a smaller angle than the angle subtended by respective cylindrical surfaces of said troughs, a plurality of stationary abutments dividing the annular space between the rotor and stator into a plurality of motor chambers and having sides



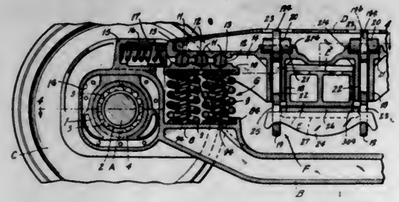
curved along the locus of travel of the edges of the rotary pistons, plates secured to the sides of said rotor and closing the annular space between said rotor and said stator, heads secured to said stator forming chambers at each end thereof, said rotor being formed with an intake chamber and an exhaust chamber, means for introducing fuel to one of said heads, means in one of said plates providing communication between said head and said intake chamber, means providing communication between the exhaust chamber through the other of said plates to the other of said heads and means for conducting exhaust gases from said last named head.

2,296,769

CAR TRUCK

William P. Cox, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application May 31, 1941, Serial No. 395,923
10 Claims. (Cl. 105—190)



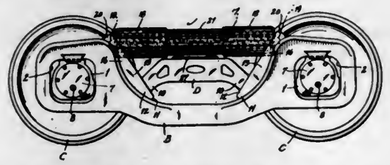
8. A car truck construction comprising wheeled axles, side frames with integral journal boxes for said axles and with spring seats close to said journal boxes, springs supported on said seats, equalizer members supported on said springs, hangers pivotally suspended from said equalizer members for movement transversely thereof, and a bolster with its ends supported by said hangers, the side frames having inwardly opening pockets in which the ends of the equalizer members are movably positioned and springs in said pockets for yieldably opposing endwise movement of said members.

2,296,770

CAR TRUCK

William P. Cox, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application June 26, 1941, Serial No. 399,777
11 Claims. (Cl. 105—197.2)



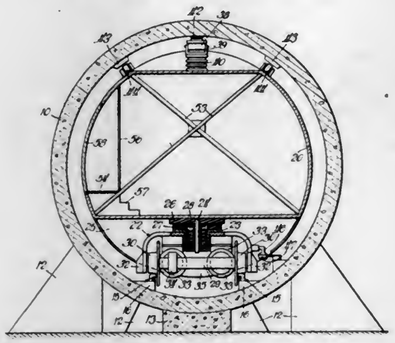
1. A car truck comprising wheeled axles, side frames connecting said axles, a bolster, each end of said bolster having arms extending transversely thereof, rocker members rockably supported on said side frames below and beyond the ends of said arms, said arms being supported on said rocker members, and springs extending from rocker member to rocker member for resisting the action of said bolster on said rocker members.

2,296,771

RAIL TRANSPORTATION SYSTEM

Robert B. Crawford and Marjorie L. Mather, Miami, Fla.

Application February 10, 1938, Serial No. 189,730
2 Claims. (Cl. 104—138)



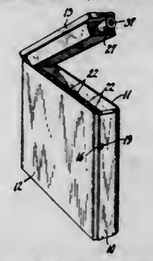
1. A device of the character described comprising a tube through which cars are adapted to move at a high rate of speed, a car in said tube conformed to the inside of said tube, friction reducing supporting means between the car and the tube constructed and arranged to enable the car to travel rapidly through the tube, air resistance reduction means external to and independent of said car for reducing the pressure within the tube on the front of the car and for increasing the pressure in the tube on the rear of the car, thereby serving to assist in the propulsion of the car through said tube, independent propulsion means carried by said car, means for maintaining the air conditions within the car satisfactory for humans, and air flow control means in the rear portion of said car and in communication with the air in said car and with the air in said tube for changing the relative air conditions between the interior and exterior of said car, said last mentioned means affecting the air temperature, humidity and pressure conditions within the car.

2,296,772

CIGARETTE MAKING DEVICE

Jere E. Crist, Akron, Ohio

Application December 20, 1940, Serial No. 370,977
7 Claims. (Cl. 131—73)



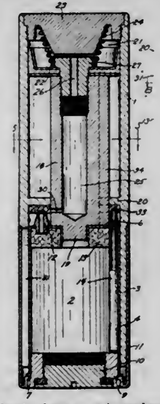
4. In a device of the character described, the combination of a case comprising a plurality of parallel cylindrical recesses that are closed at their lower ends and open at their upper ends adapted to receive respective cigarette tubes, a mandrel for forming said cigarette tubes, a tamp for compacting tobacco in said tubes, a lid on the case adapted to close the open ends of said cylindrical recesses, a bore in said lid for receiving said mandrel, and means utilizing said tamp and mandrel for retaining the lid in closed position.

2,296,773

POCKET TYPE ATOMIZER

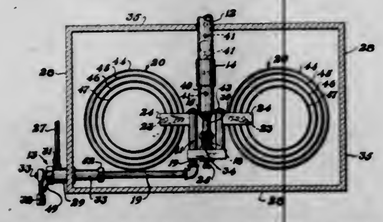
Clyde C. Daggett, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio

Application October 17, 1940, Serial No. 361,493
10 Claims. (Cl. 299—88)



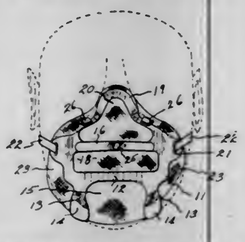
4. In a pocket type atomizer, a compressor cylinder and a liquid container mounted in telescoping axially reciprocating relation, said container having a liquid discharge orifice and a vent orifice at its inner end, a plunger fixedly projected from an end of said container into said cylinder and having an air discharge orifice in communication with the interior of said cylinder and disposed to direct a discharge of air across the outlet end of said liquid discharge orifice to effect a discharge of liquid in spray form from the container when the cylinder and container are relatively reciprocated, means for retaining the cylinder and container in fully telescoped relation, and means for sealing the discharge ends of said orifices when the cylinder and container are in fully telescoped relation.

2,296,774
GAS LIGHTER FOR RANGE OIL BURNERS
John De Nicola, Paterson, N. J.
Application January 31, 1941, Serial No. 376,833
6 Claims. (Cl. 158—90)



1. A device of the type described comprising a fire box, one or more oil burners located in said fire box and provided with vertical walls open at the top, a gas lighter including gas jet orifices adapted to direct flames downward through the opening in the top of said oil burner for igniting the oil vapors, means controlled by and associated with the lighter whereby said lighter gas jets are ignited by a pilot light located outside the oil burner fire box, said means including a flash tube extending from the pilot light to the interior of the oil burner fire box, a flash nozzle associated with said lighter for injecting a jet of gas into the fire box end of said flash tube whereby the said gas will be carried through said flash tube to the pilot light, ignited and the flame flashed back through said tube for igniting said lighter jets and nozzle.

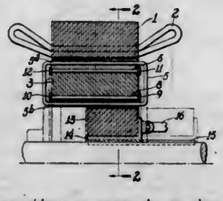
2,296,775
RESPIRATOR FRAME
Charles H. Dockson, Detroit, Mich.
Application July 9, 1941, Serial No. 401,570
5 Claims. (Cl. 128—146)



1. A respirator frame comprised of a skeleton structure consisting of an outwardly projecting lower lip bridge; an outwardly projecting upper lip bridge, providing a mouth clearance therebetween, an outwardly projecting nose bridge forming a nose opening adjacent said upper lip bridge, means for securing said frame over the nose and mouth of an individual, an air filter pad detachably secured to said frame, whereby a spaced relation is defined between said filter and said nose and mouth, and means depending downwardly from said lower lip bridge for cooperatively engaging the under side of the wearer's chin.

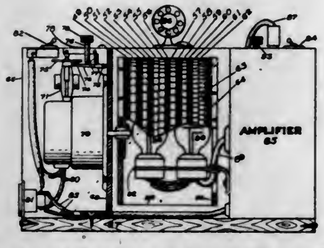
2,296,776
ALTERNATING CURRENT MOTOR
John F. H. Douglas, Milwaukee, Wis.
Application April 1, 1940, Serial No. 327,186
15 Claims. (Cl. 172—274)

2. An alternating current motor comprising the combination with a stator provided with an energizing winding to create a magnetic flux and a rotor provided with a main winding and an auxiliary secondary winding in inductive relation to said flux, of a magnetic circuit removed from the influence of said flux and interlinked with said main secondary winding, an auxiliary core movable relative to said magnetic circuit to vary its reluctance, and means to vary the inherent effective resistance of said main secondary winding in response and in inverse relation to the variation of said reluctance.



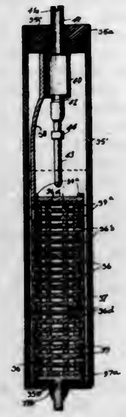
6. An alternating current motor comprising the combination with a stator provided with an energizing winding to create a magnetic flux and a rotor provided with a main and an auxiliary secondary winding in inductive relation to said flux, and including a magnetic circuit removed from the influence of said flux, said magnetic circuit being interlinked with said main winding, an auxiliary core movable relative to said magnetic circuit to vary its reluctance, and an auxiliary winding disposed on said core to be inductively coupled to the main secondary winding by said magnetic circuit.

2,296,777
TONOSCOPE
Carey F. Elton, Gadsden, Ala.
Application December 4, 1939, Serial No. 307,484
8 Claims. (Cl. 88—14)



1. In a tonoscope, a light, means to fluctuate the light responsive to the known constant frequency of an alternating electric current, other means to fluctuate said light responsive to sound waves, a rotary member illuminated by the fluctuations of said light, means to vary the speed of said rotary member, a series of stroboscopic indicia on the rotary member adapted when said member is rotating at a predetermined speed and is illuminated by said light fluctuating at said known constant frequency to appear motionless, and other series of stroboscopic indicia on the rotating member related to each other as are the tones of the musical scale whereby when said member is rotating at said predetermined speed and is illuminated by said light fluctuating responsive to selected sound waves said other series of indicia appear motionless when said sound waves fluctuate at frequencies corresponding thereto and indicate visually the relationship of the musical tones embodied in said sound waves.

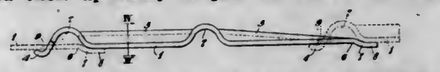
2,296,778
BATTERY ASSEMBLY
Benjamin D. Emanuel, Anderson, Ind.
Original application April 25, 1938, Serial No. 204,239, now Patent No. 2,293,284, dated August 18, 1942. Divided and this application May 24, 1939, Serial No. 275,524
5 Claims. (Cl. 136—6)



1. A battery unit of the rechargeable type adapted for service in lighting units of the flashlight type, wherein the flashlight presents the bulb and battery as in substantial axial alinement, and wherein the battery is adapted to be charged while in normal position within the unit, said battery comprising a tubular casing with one end carrying a removable closure and with a permanent closure at the opposite end, each closure being adapted to carry one of the terminals of the battery with the removable closure carrying the positive terminal, said casing and closures being of non-metallic material, a plate assemblage within a zone of the casing adjacent the permanently-closed end of the casing, and having a rigid element extending from such zone in the direction of the opposite closure, said element leading from and being included as a battery circuit lead within the positive side of the plate assembly, a venting unit positioned within a zone of the casing adjacent the removable closure, the venting unit being carried by such element of the positive side of the plate assembly, said venting unit presenting the positive terminal of the battery and electrically-connecting such rigid element with the terminal, such terminal being tubular to thereby provide venting means for the unit, said venting unit including a casing carrying the tubular positive terminal at one end carrying a goose-neck formation at its other end, the formation being located within the venting unit zone above the plate assembly zone of the battery casing, the goose-neck formation having a vent opening remote from the plate assembly zone to thereby permit free gas escape during charging.

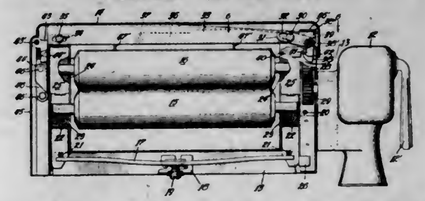
2,296,779
PORTABLE DECK
Charles O. Emerson, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., a corporation of New Jersey
Application July 29, 1940, Serial No. 348,301
8 Claims. (Cl. 94—13)

1. A plurality of metallic plates adapted for rapid attachment and detachment to form a substantially horizontal portable deck capable of sustaining superposed loads, a group of said plates having a series of aligned spaced openings inwardly of an edge thereof, another group of said plates being provided along a margin thereof with a series of aligned spaced laterally-extending lugs which are deformed downwardly and then upwardly to provide hook members,



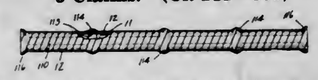
said hook members being adapted to align with and extend through the openings of the first-named group of plates when said second-named group of plates is in marginal overlapping relationship therewith said hook members being adapted to extend below the bottoms of said first-named group of plates with the uppermost edges of the terminal portions in contact therewith at positions inwardly of the openings therein.

2,296,780
WRINGER RELEASE
Nicholas L. Etten, Waterloo, Iowa
Application September 29, 1938, Serial No. 232,376
3 Claims. (Cl. 68—263)



1. In a clothes wringer, a lower frame, a lower roll, a spring supporting said roll, means for adjusting said spring, an upper roll, bearing brackets slidably mounted in said frame for supporting the upper roll, a cross bar connecting the upper ends of said bearing brackets, an upper frame, latch means to attach the upper frame to the lower frame on one end, means to release said latch means, handle and toggle lever mechanism for forcibly connecting the opposite ends of the frames in pressure relationship, and pivotal links connecting the upper frame, cross bar and upper bearing bracket on the latch end, whereby the movement of the upper frame upon release is controlled in an arcuate path to release the toggle mechanism without dangerous outward movement of the handle.

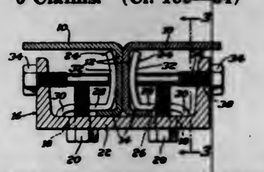
2,296,781
METHOD OF MAKING PLYWOOD TUBING
Cyril Farny, St. Charles, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation
Application July 22, 1940, Serial No. 346,718
3 Claims. (Cl. 144—309)



3. The method of producing structural tubing consisting in providing a core, mounting a reinforcing closure member upon one end of said core with its periphery protruding radially outwardly from and about the periphery of said core, spirally winding overlapping strips of wood veneer about said core and member, applying a coating of water resistant binder over the inner adjacent surfaces of said strips, and simultaneously apply-

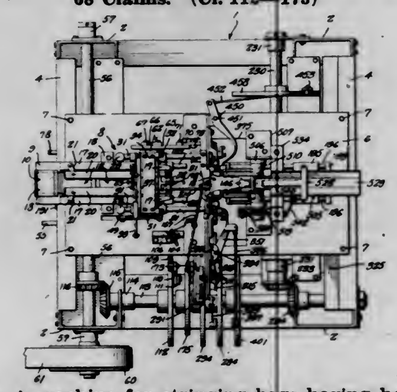
ing heat and pressure to said strips for causing them to conform to the exterior of said core and member in interlocking engagement with said member.

2,296,782
PANEL COUPLING DEVICE
Herbert C. Fischer, Wellesley Hills, and Allan H. W. Higgins, Brookline, Mass.
Application April 25, 1942, Serial No. 440,492
6 Claims. (Cl. 189—34)



1. In a device for clamping sections of sheet material having opposed marginal flanges, the combination of a channel member having a web portion and marginal flanges, a pair of clamping lugs in said channel member arranged to receive said opposed flanges therebetween, one of said lugs having a first leg substantially normal to the plane of said web portion and engageable with one of said opposed flanges, a second leg extending from said first leg substantially parallel to the plane of said web portion and a foot at the end of said second leg extending therefrom toward the plane of said web portion, and a bolt extending through said web portion and connected to said second leg of said one of said clamping lugs between said foot and said first leg thereof, said bolt holding said foot against said web portion and said first leg being under lateral pressure to clamp said opposed flanges against said other lug.

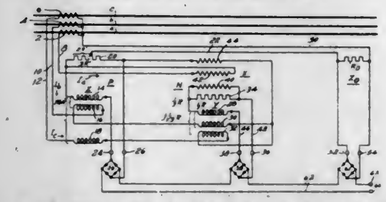
2,296,783
BAG STRINGING MACHINE
Bertie C. Golden, Reidsville, N. C., assignor to Millhiser Bag Company, Inc., Richmond, Va., a corporation of Virginia
Application July 20, 1940, Serial No. 346,645
68 Claims. (Cl. 112—173)



1. A machine for stringing bags having hems at their mouth ends, means for threading draw strings through the hems, bag reversing means supporting successive bags after reversal thereof in draw string threading position, and means for feeding bags to said bag reversing means.

34. A bag stringing machine comprising a guide for bags having continuous side seam threads connecting the bags in chain formation, said side seam threads being located on the bags to provide flaps along the side margins of the bags, draw string threading needle means, reversing grippers and bag reversing means coacting with said reversing grippers for reversing successive bags, said grippers connecting with said flaps and arranged for supporting the successive bags in a draw string threading position with respect to said needle means, a carriage having grippers for connection with the foremost bag in the chain for advancing the bag to said reversing grippers and reversing means, a cutter means carried by said carriage for severing the side seam threads between the first two bags in the chain, said carriage grippers comprising abutments fixedly related to said carriage and a rock shaft carried by the carriage and provided with gripper arms coacting with said abutments, and means for rocking said shaft to adjust the gripper arms relatively to said abutments, said reversing gripper means clamping the bags along outer side margins adjacent the mouths thereof and rotating to retain their grasp on the bag after reversal thereof and during action of the draw string threading needle means.

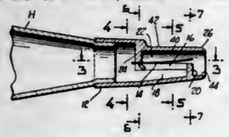
2,296,784
PHASE-SEQUENCE RELAYING
Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 31, 1940, Serial No. 338,093
14 Claims. (Cl. 175—294)



1. A three-phase device having a three-phase line, a single set of current transformers for said line, networks connected to said transformers comprising a plurality of means including impedance devices and circuits having three distinct pairs of connections for obtaining, respectively, across said pairs of connections, unidirectional voltages individually representative of the positive-sequence, negative-sequence, and zero-sequence components of the line-currents, and means for algebraically adding the said obtained voltages for deriving a response to line-conditions, which response is a function of variables dependent solely on said obtained voltages.

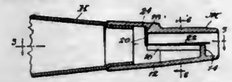
2,296,785
MOUTHPIECE FOR SOUND PRODUCING DEVICES
Victor T. Hoeflich, New York, N. Y., assignor to American Merri-Lei Corporation, New York, N. Y., a corporation of New York
Application November 22, 1940, Serial No. 366,536
11 Claims. (Cl. 46—180)

1. A molded mouthpiece assembly for a sound-producing device, said mouthpiece assembly comprising only two main parts, one being a mouthpiece made of a single piece of molded plastic, and the other being made of thin sheet material and comprising a reed, the configuration of said mouthpiece being such as to provide means to hold the reed at one end, and a sound channel



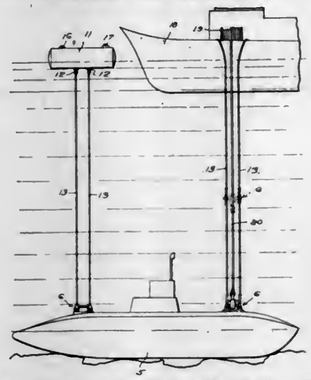
of desired shape disposed collaterally of said reed.

2,296,786
MOUTHPIECE FOR SOUND-PRODUCING DEVICES
Victor T. Hoeflich, New York, N. Y., assignor to American Merri-Lei Corporation, New York, N. Y., a corporation of New York
Application April 22, 1942, Serial No. 440,015
12 Claims. (Cl. 46—180)



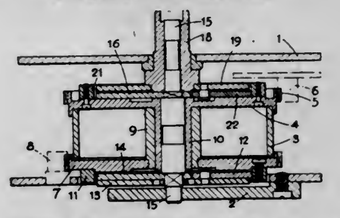
1. A mouthpiece assembly, said assembly comprising only two main parts, one being a generally tubular mouthpiece so shaped as to include an integrally formed lower bridge, the other part being made of thin sheet material, and comprising a reed and an upper bridge bent upwardly at the stationary end of the reed, the two main parts being assembled together with the movable end of the reed overlying the lower bridge, and with the upper bridge in position against the inner surface of the tubular member.

2,296,787
SUBMARINE RAISING APPARATUS
Selmer Holterud, Duluth, Minn.
Application April 29, 1942, Serial No. 441,027
1 Claim. (Cl. 114—16.8)



The combination with a submarine, of means to raise the submarine from a submerged position comprising a rescue ship, a yoke fixed on said submarine, a buoy, a pair of cables having ends fixed to said yoke in spaced apart relation and opposite ends attachable to said buoy for extension of the cables upwardly by rise of the buoy to the surface, said attached ends of the cables being detachable for disposal over the side of the ship, a reel on said ship having a hoisting cable thereon for lowering over the side of the ship to be attached at one end thereof to said yoke, means on said hoisting cable for slidably connecting the same to said pair of cables intermediate the latter to guide the hoisting cable down to said yoke and comprising a plate suspended from the hoisting cable, a pair of tubes fixed to said plate at opposite sides thereof and adapted for extension of said pair of cables therethrough, and means to attach said hoisting cable to said yoke comprising a pair of pivoted hooks on said plate for straddling the yoke and engaging beneath the same.

2,296,788
POWER TRANSMISSION MECHANISM
Bevan Graham Horstmann, Newbridge, Bath, England
Application November 3, 1941, Serial No. 417,692
In Great Britain March 19, 1940
4 Claims. (Cl. 185—43)

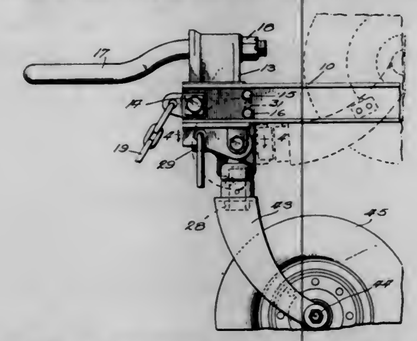


1. A power transmission mechanism comprising an output member, a first source of power, a driving connection between said first source of power and said output member including one-way clutch means whereby said first source of power is effective to drive said output member in one direction and whereby said output member is free to overrun said first source of power, a normally inactive second source of power, a driving connection between said second source of power and said output member including one-way clutch means whereby said second source of power when active is effective to drive said output member in the same direction as said first source of power and whereby said output member is free to overrun said second source of power, means whereby said second source of power is rendered effective to drive said output member by failure of said first source of power, and means also included in one of said connections to prevent the output member from overrunning the source of power that is active in driving said output member.

2,296,789
RETRACTABLE AUXILIARY TRAILER WHEEL MOUNTING
William B. Johnson, United States Army
Application November 7, 1941, Serial No. 418,133
3 Claims. (Cl. 280—33.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an auxiliary wheel mounting for a trailer, a wheel mounting element secured in fixed relationship with the trailer frame, said wheel mounting element including a central cavity and a pair of opposed side walls on opposite sides of and defining said central cavity, a horizontal pivot bolt extending through each of said side walls and through said cavity and secured in position with respect to said mounting element, a shiftable wheel supporting element pivotally mounted on said horizontal bolt and including arcuate indexing plate housed within the aforementioned central cavity and adapted to be shifted between an operative and an inoperative position, said indexing plate having indexing notches corresponding with said operative and inoperative positions; a spring-urged indexing

member shiftably associated with said wheel mounting element and adapted to selectively engage either of said indexing notches and to positively lock said indexing plate against movement when engaged in either of said notches; a kingpin associated with said shiftable wheel support and arranged to be shifted with said wheel support to assume a vertical position or a raised position; a bifurcated wheel fork pivotally secured to said kingpin for free pivotal movement



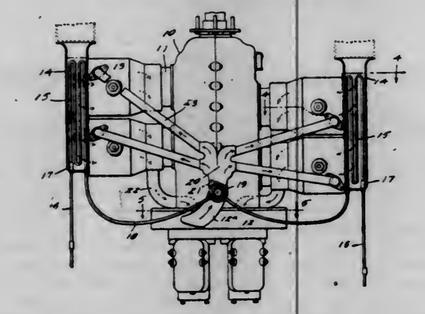
thereon, said fork including a pair of offset supporting arms adapted to extend on either side of a vehicle wheel to support the opposite ends of the wheel axle; a vehicle wheel and axle supported by said fork, and a retaining clip secured to the trailer frame to receive the vehicle fork as it approaches its inoperative position and to prevent lateral shifting movement of said wheel and fork while the indexing plate is located in its inoperative position.

2,296,790

FUEL-COOLED INTERNAL COMBUSTION ENGINE

Nelson M. Jones, Sarasota, Fla., assignor to Green's Fuel, Incorporated, Sarasota, Fla., a corporation of Florida

Application June 26, 1942, Serial No. 448,616
4 Claims. (Cl. 123—133)



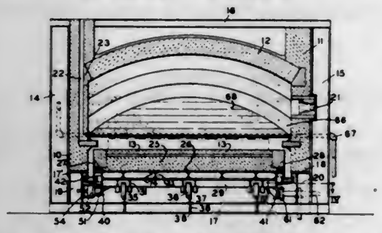
1. In combination with an internal combustion engine having a super-charger and mixing chamber in communication therewith and with the cylinders, means to confine air drawn by the super-charger into the mixing chamber, over parts of the engine to cool the same, means for the supply of hydrocarbon fuel to the mixing chamber, and means for the expansion of said fuel into gas to refrigerate the air passing over said parts.

2,296,791

ROTARY FURNACE

Sam F. Keener and Robert E. Buckholdt, Salem, Ohio; said Buckholdt assignor to Sam F. Keener, Salem, Ohio, doing business as Salem Engineering Company

Application June 7, 1941, Serial No. 397,052
18 Claims. (Cl. 263—7)



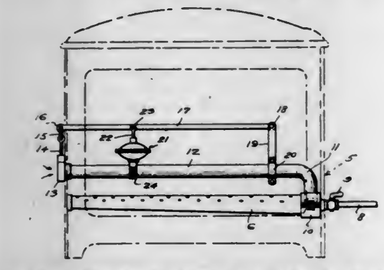
1. A metal heating furnace of the rotary hearth type comprising concentric inner and outer side walls and an annular roof spanning said side walls, an annular hearth intermediate said side walls and guided for rotation about its geometric center, means to seal the spaces between the inner and outer edges of the hearth and the inner and outer walls respectively comprising a continuous flange depending downwardly substantially from the inner face of each of said side walls, a continuous flange depending downwardly from each edge of said hearth, annular sand troughs carried with said hearth adjacent either edge thereof and adapted to receive said continuous flanges, said sand troughs being each constructed of individually removable and replaceable sections, and means to secure said sections to the rotary hearth structure whereby the sections of the troughs may be readily removed and replaced from outside of the furnace chamber.

2,296,792

AUTOMATIC AIR CONTROL

Lynn C. Kester, Hereford, Tex.

Application August 1, 1941, Serial No. 405,084
1 Claim. (Cl. 236—15)



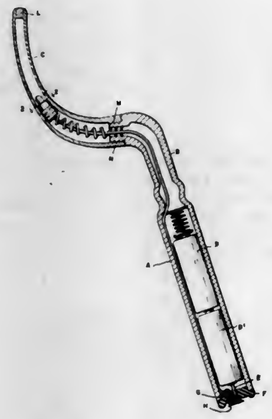
An air feed attachment for gas burners comprising an air conduit having one end connected to the intake side of the burner and supported in a position under the influence of heat from the burner throughout the entire area of the conduit, a gate at the remaining end of the conduit and adapted to gravitate into a position for closing said last-named end of the conduit, a thermostatic unit supported on the conduit, a beam swingably mounted on the conduit and to which the thermostatic unit is connected, and a connection between the gate and the beam, said thermostatic unit being responsive to heat from the burner to raise the beam and the gate.

2,296,793

SURGICAL RETRACTOR

Harry M. Kirschbaum, Detroit, Mich.

Application February 2, 1942, Serial No. 429,316
2 Claims. (Cl. 128—20)



1. A surgical retractor comprising a hollow handle portion, a hollow curved blade portion detachably connected to said handle portion to extend laterally and outwardly therefrom, a transparent closure for the end of said hollow blade portion, an electric bulb adapted for insertion within said hollow blade portion, a flexible mounting for said bulb projecting outward from said handle portion and adapted to permit the passage of said bulb around a curved portion within said hollow blade into a position for substantially direct radiation out through said transparent end closure, a battery within said hollow handle portion, and electrical connections between said battery and bulb including a switch operable from outside said handle.

2,296,794

PROCESS OF TREATING VEGETABLE OILS

Norman F. Kruse, Elmer B. Oberg, and Wendell E. Mann, Decatur, Henry R. Kraybill, West Lafayette, and Kenneth E. Eldridge, La Fayette, Ind., assignors of one-half to Central Soya Company, Inc., Fort Wayne, Ind., a corporation of Indiana, and one-half to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana

No Drawing. Application February 6, 1941, Serial No. 377,660
6 Claims. (Cl. 260—397.2)

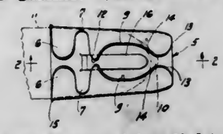
1. The process of obtaining sterols from a sterol-containing vegetable oil, which consists in adding to such oil a saponifying agent in an amount sufficient to neutralize the fatty acids and precipitate the phosphatides but insufficient to saponify the oil, and also adding a filter aid, then separating most of the oil from the solid matter, then extracting said solid matter with an organic solvent which dissolves fats and sterols, and recovering sterols from the extract so obtained.

2,296,795

NAIL GUARD

Mary Stevens Landsman, Chicago, Ill.

Application July 10, 1940, Serial No. 344,713
5 Claims. (Cl. 132—88.5)



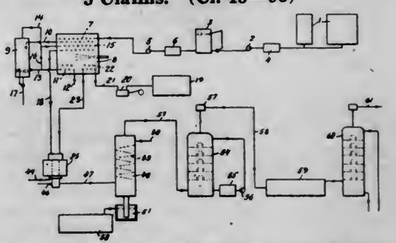
1. A nail guard comprising light weight resilient body means of generally tapering U-shaped form, wing portions at the larger end expansible for frictionally engaging the finger inwardly of the nail, opposed inwardly turned arcuately curved defining edges toward the smaller end of said means adapted to be spread laterally upon application of the guard to the finger for outlining the side curves of the nail, and means in the base portion of said body means opposite said nail defining surfaces for resiliently engaging the finger to maintain said guard in position including a spring tongue struck inwardly opposite said nail defining surfaces.

2,296,796

MANUFACTURE OF ACETYLENE

Floyd J. Metzger, New York, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Original application July 18, 1936, Serial No. 91,408. Divided and this application January 24, 1939, Serial No. 252,640
5 Claims. (Cl. 48—95)



1. Apparatus adapted for the production of acetylene from normally liquid hydrocarbons comprising a vaporizer having a steam inlet, an inlet for liquid hydrocarbons, and an outlet for mixed steam and hydrocarbon vapors, a superheater having an inlet and an outlet, means connecting said outlet of said vaporizer with the inlet of the superheater whereby mixed steam and hydrocarbon vapors from the vaporizer may be superheated in said superheater, a reaction vessel or chamber having two inlets, means connecting the outlet of said superheater with one of said reaction vessel inlets whereby superheated hydrocarbon vapors and admixed steam may be introduced into the reaction chamber, the other of said inlets being adapted to introduce oxygen to the reaction chamber.

2,296,797

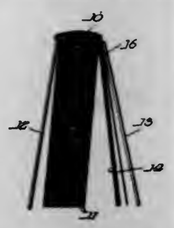
BOOK CONSTRUCTION

Otto B. Petersen, Chicago, Ill., assignor to John F. Cuneo Company, Chicago, Ill., a corporation of Delaware

Application November 27, 1941, Serial No. 420,604
2 Claims. (Cl. 281—16)

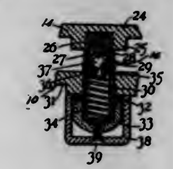
1. In combination with a book, of a supplement therefor comprising a plurality of signatures se-

cured together, and a binder strip secured to the outer side of one of the signatures adjacent the fold of said signature and extending longitudinally thereof, the entire surface of the binder



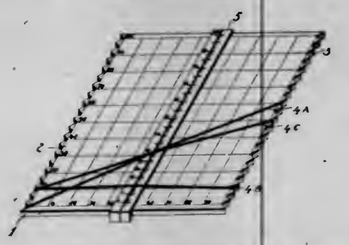
strip on one side being secured to the book and being secured by approximately one-half of its face along its rear marginal edge to the signature sheet, the remainder of the face of the binder strip being free.

2,296,798
SPINDLE BEARING
George Hancock Reid, London, England
Application June 25, 1941, Serial No. 399,722
In Great Britain April 19, 1940
9 Claims. (Cl. 308—159)



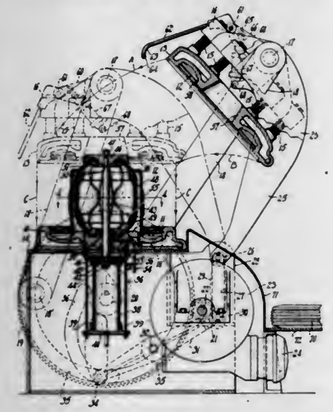
1. In a gyroscopic instrument incorporating in the gyro wheel and gimbal assembly a rotatable spindle member, a spindle mounting comprising a main ball anti-friction thrust bearing arranged to resist axial load in the normal direction, a support member spaced from and in alignment with the end of said spindle member, a bearing element disposed intermediate said support member and the end of said spindle member, and a spring urging said bearing into localized contact with one of said members, the area of contact being exceedingly small and coincident with the axis of rotation of said spindle.

2,296,799
CALCULATING DEVICE
Axel G. Rosin, New York, N. Y.
Application November 13, 1940, Serial No. 365,414
1 Claim. (Cl. 235—61)



A calculating device, particularly adapted for calculating the result of a business operation comprising in combination: a polygonal base provided with a graphic subdivision, the abscissa of which denotes the volume, the ordinate the value of certain factors, a plurality of extensible line-shaped elements arranged on said base for mutually independent displacement across said subdivision along two opposite sides of said base whereby to represent a plurality of fixed and variable factors, a slide arranged on said base for displacement across said subdivision along two other oppostie sides of said base, and a scale on said slide to coordinate the point of intersection of said two extensible elements so that its abscissa value can be read on said scale.

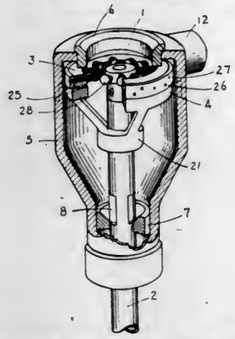
2,296,800
COMBINATION TIRE BAGGING, CURING, AND DEBAGGING UNIT
Leslie E. Soderquist, Akron, Ohio, assignor to The McNeil Machine & Engineering Company, Akron, Ohio, a corporation of Ohio
Application September 12, 1940, Serial No. 356,427
25 Claims. (Cl. 18—17)



4. In apparatus of the character described, in combination, an upper movable mold section and a lower complementary stationary mold section, an inflatable former arranged substantially centrally of said lower mold section, means for supporting a tire in "pulley-band" shape around said inflatable former and upon said lower mold section, means for moving said upper mold section toward said lower mold section to form said "pulley-band" into tire shape and to insert said inflatable former therein, means for vulcanizing the shaped tire in said mold sections, and mechanical means for simultaneously removing the inflatable former from the vulcanized tire and for removing the vulcanized tire from around said inflatable former.

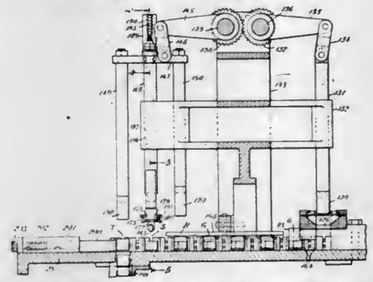
5. In apparatus of the character described, in combination, a pair of complementary relatively movable mold sections, and means for relatively moving said mold sections comprising a pair of spaced pressure links carrying one of said mold sections, a pair of gear wheels to which said links are respectively pivotally secured, supporting means for the other of said mold sections and having a guide slot therein adjacent said gear wheels, a pair of guide arms secured at one end to the mold section carried by said links and their opposite ends being movable in said guide slot, connections between said guide arms and said gear wheels, and means for rotating said gear wheels.

2,296,801
BULB NECK WIPING DEVICE FOR LAMPS
Ralph B. Thomas, Beverly, Mass., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application December 18, 1940, Serial No. 370,697
3 Claims. (Cl. 15—7)



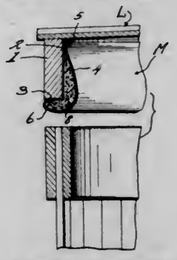
1. A machine for cleaning the end of a lamp bulb, said machine comprising: a funneled housing; a hollow cylindrical rotatable shaft internally concentric with the mouth of said funneled housing, said shaft extending upwardly from the lower extremity of the tapered portion of said housing, the lower extremity of said shaft, adjacent the tapered portion of said housing at the point at which said housing is in contact relationship with said shaft, having a plurality of elongated openings therein, said openings being of rectangular configuration on the outer circumference of said shaft, and having their longitudinal sides extending tangential to the inner circumference of said shaft; and a plurality of brushes disposed about the top of said shaft.

2,296,802
MACHINE FOR LOADING AND DISCHARGING CONTAINERS
Henry B. Thompson, Jenkintown, Pa., assignor to Peter Paul, Inc., Naugatuck, Conn., a corporation of Delaware
Original application June 18, 1938, Serial No. 214,470. Divided and this application December 6, 1940, Serial No. 368,961
1 Claim. (Cl. 226—14)



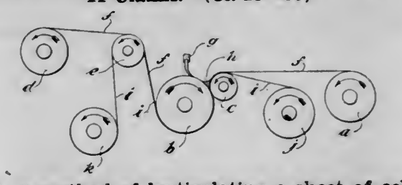
In combination, a support for receptacles to be loaded, means for intermittently feeding the receptacles along said support, means disposed above one position of feeding movement of said receptacles for feeding articles into the receptacle so positioned, means disposed above the next successive position of feeding movement for discharging the loaded receptacle from said receptacle support and feeding means, said support having an opening through which the loaded receptacle is discharged, and means for releasably holding the loaded receptacle above said opening prior to the discharging operation.

2,296,803
RIM PROTECTOR
James W. Trew, Gettysburg, Pa.
Application March 4, 1941, Serial No. 381,727
3 Claims. (Cl. 217—3)



1. As a new article of manufacture, a protector for the rim of a lid for a fruit basket comprising an elongated flexible envelope, and a filler of fluffy material within the envelope, said envelope and filler providing a resilient pad to be placed within and around the lid and in close contact with the inner face of the rim of the lid, a longitudinal marginal portion of a wall of the envelope being provided therealong with an outwardly and laterally disposed flange to provide a shoulder for contact with the outer edge face of the rim.

2,296,804
EMBOSSING SHEETS OF CELLULOSE ACETATE AND THE LIKE
Douglas F. Winnek, Rye, N. Y., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application September 18, 1940, Serial No. 357,207
11 Claims. (Cl. 18—56)

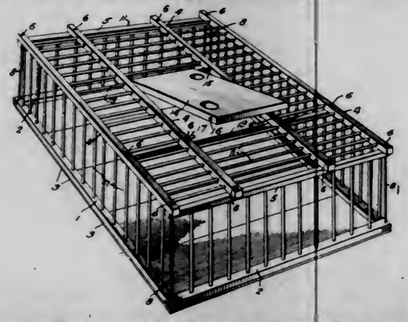


2. A method of lenticulating a sheet of cellulose acetate or the like, comprising applying to said sheet an amount of softening liquid in excess of that required to soften one side thereof, immediately impressing that side of the sheet with a matrix, removing the liquid squeezed out of the sheet by the impression, and allowing the sheet to remain in the matrix until hardened beyond deformation.

2,296,805
CHICKEN COOP
Roy C. Aylor, Brightwood, Va.
Application April 23, 1941, Serial No. 390,004
4 Claims. (Cl. 217—57)

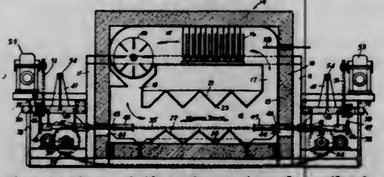
1. Chicken coop comprising a rectangular bottom frame with floor boards secured thereto, and a top comprising spaced parallel longitudinal side and intermediate frame members each substantially the length of the bottom frame, and transverse parallel end members substantially the

length of the width of said bottom frame, said longitudinal members being secured to said end members and supported thereby, filler rods supporting the peripheral top frame members from the bottom frame, filler rods bridging the spaces between the longitudinal top frame members passing through said intermediate members and terminating in said side members, groups of other filler rods at an intermediate region of said top bridging the spaces between said side and intermediate longitudinal frame members,



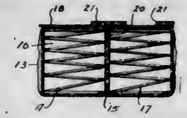
terminating in said side and intermediate members leaving a doorway between said intermediate members, and a rigid reinforcing strap transversely positioned beneath all of said longitudinal frame members and rigidly secured to the underside of each of them, intersecting said doorway near one end, being at a lower level than the plane of the top filler rods whereby it cooperates with the adjacent top filler rods to form a truss construction of substantial depth, and a door pivoted at the opposite end of said doorway having its free end resting upon said strap.

2,296,806
APPARATUS FOR HEATING METAL OBJECTS
Robert E. Buckholdt, Salem, Ohio, assignor to Salem Engineering Company, Salem, Ohio, a proprietorship
Application May 28, 1940, Serial No. 337,604
9 Claims. (Cl. 263—6)



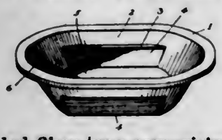
1. Apparatus of the character described comprising in combination a casing having a heating chamber therein, means to circulate convection heating fluid through said chamber, means to move objects to be heated longitudinally into one end of said chamber along one side thereof, comprising a series of driven rolls, means to raise and lower the axes of rotation of said rolls, a series of movable hearth chains spanning said chamber and positioned in part intermediate said rolls whereby objects to be heated coming into said chamber on said rolls will be deposited on said chains when said rolls are lowered, a second similar series of rolls positioned intermediate the chains at the opposite end of said chamber along the other side thereof and operative to propel the objects out of the chamber, the axes of rotation of said rolls being substantially parallel with the direction of movement of said chains.

2,296,807
MARSHALL SPRING UNIT
Paul Cavaler, Detroit, Mich.
Application March 27, 1941, Serial No. 385,392
5 Claims. (Cl. 5—353)



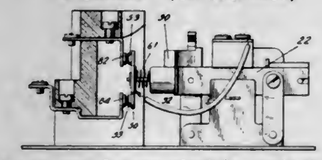
2. In a Marshall spring unit, two superimposed plies of fabric united along the edges to form a sack, transverse adhesive seams of a rubbery material uniting the plies at intervals and forming pockets, and coil springs fitted respectively in said pockets, said seams forming reinforcing buffers and sound insulators between adjacent springs.

2,296,808
REINFORCED MOLDED FIBER CONTAINER
Merle P. Chaplin, South Portland, Maine, assignor to Chaplin Corporation, South Portland, Maine, a corporation of Maine
Application October 31, 1940, Serial No. 363,791
6 Claims. (Cl. 229—2.5)



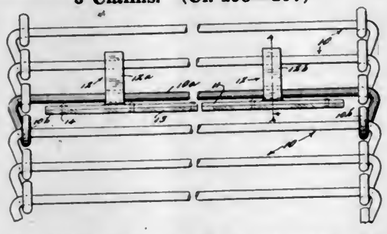
1. A molded fiber tray comprising in combination a bottom portion, two outwardly inclined semi-circular end walls, and two outwardly inclined side walls, said side walls being formed with integral reinforcing portions intermediate of their height, extending transversely as well as longitudinally of the tray for substantially the full length of the respective, side walls and merging in the end walls of the tray in spaced apart relation to one another, said reinforcing portions being shaped in a stepped formation to provide a transverse bracing flange for each wall.

2,296,809
ELECTRIC SWITCH CONTACT MOUNTING
Magnus G. Dahl, West Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Original application April 8, 1938, Serial No. 200,997, now Patent No. 2,283,795, dated May 19, 1942. Divided and this application June 6, 1941, Serial No. 396,920
5 Claims. (Cl. 200—166)



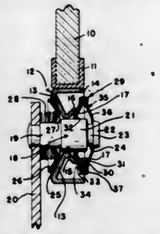
1. A support for an electric contact comprising an insulating body having a passage through it, a contact structure carried by said body including a post in said passage, an enlarged head on said post for holding it in said passage, said passage having intersecting recesses offset into its side walls providing a passageway for wax to flow and providing a shoulder preventing the wax, when cool, from displacement on occurrence of jarring or vibration during use, and a member at one end of said passage forming a seal to prevent outflow of wax through said end while the wax is in a molten state.

2,296,810
ELEVATOR UNIT FOR CONVEYERS
Eben D. Dahlman, Grandy, Minn.
Application May 10, 1941, Serial No. 392,881
3 Claims. (Cl. 198—197)



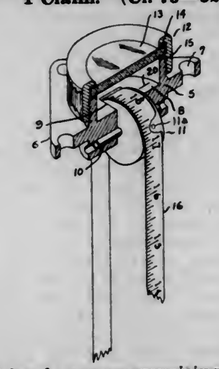
1. An elevator unit for the conveyer chain of a potato picker, said chain being constructed and arranged to support potatoes upon its upper run and being composed of similar spaced links each having an intermediate straight rod-like portion, spaced clips having their ends bent into loops through which said portion of one of said links extends and in which it is revoluble, said clips extending rearwardly from said loops substantially in the plane of said conveyer to overlie the intermediate portion of the next adjacent link, a flat bar spot-welded to said loops adjacent the front ends thereof and disposed to extend upwardly in a plane substantially perpendicular to the plane of said conveyer and substantially throughout the width thereof and a layer of rubber-like material secured to the front face of said flat bar and extending slightly above the upper edge thereof.

2,296,811
WINDOW REGULATOR CONSTRUCTION
William C. Devereaux, Detroit, Mich.
Application January 29, 1940, Serial No. 316,250
5 Claims. (Cl. 268—126)



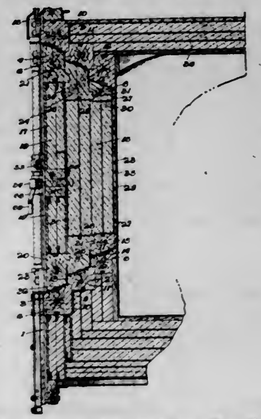
1. In a window regulator for a vertically slidable closure having a guide bracket at the bottom edge formed with an elongated slot therethrough, a regulator arm mounted for swinging movement and having a stud at the swinging end projecting laterally from the arm through said slot, a spring metal disc having a snap-on engagement with the free end portion of the stud to secure the stud in assembled relation with the guide bracket, a non-metallic disc formed of a material having a relatively low coefficient of friction positioned between the spring metal disc and adjacent side of the guide bracket for frictional engagement with said bracket, and means for securing said discs together as a unit.

2,296,812
LIQUID LEVEL GAUGE
Marvin M. Dickason, Houston, Tex., assignor to J. A. Parker, Harris County, Tex.
Application August 26, 1940, Serial No. 354,207
1 Claim. (Cl. 73—321)



A liquid level gauge comprising a tubular body having means thereon for the attachment thereof to a liquid-containing vessel, and having a transverse web provided with an approximately rectangular slot therethrough, bearings on the underside of the web on opposite sides of the slot, an axle whose ends are extended into the bearings, said axle extending across the slot, a rotatable windless on the axle working snugly through the slot for the reception of a measuring tape thereover, a flexible measuring tape having data thereon working over the windlass and whose ends depend therefrom, a float on one end of the tape, a weight on the other end of the tape, a transparent lens closing the upper end of the body and through which the tape on the windlass is visible and a flanged nut screwed onto the upper end of the body and clamping the lens in place.

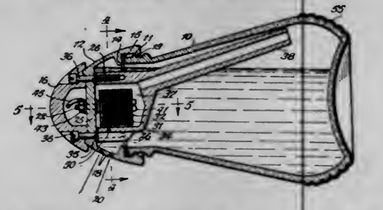
2,296,813
SIDE DOOR CONSTRUCTION FOR DRY ICE SERVICE REFRIGERATION CARS
William Courtland Dunham, Fairport, N. Y., assignor to Despatch Shops, Inc., a corporation of New York
Application January 29, 1941, Serial No. 376,533
4 Claims. (Cl. 20—21)



2. In a side door construction for dry ice serv-

ice refrigerator cars, a car side wall of predetermined thickness and insulation value and having an oblong rectangular doorway of generally frusto-pyramidal form between the outer and inner sides of the wall and presenting at its bottom, top and sides stepped abutment surfaces and inclined abutment surfaces between the same, and a door of the same thickness as the wall and coextensive in area with the door opening so as to fill said door opening in its closed position from side to side of the wall, said door comprising a frame rim formed of outer, inner and intermediate rim portions, outer and inner door surfaces and an insulating laminated core structure surrounded by the frame rim and filling the space between the outer and inner door surfaces and forming therewith a door of the same insulating value as the car wall, the said rim portions of the frame rim being arranged in stepped relation one in rear of the other and to break joint with each other so as to provide straight abutment shoulders and formed with outer inclined surfaces between said shoulders, the said shoulders and inclined surfaces of the door being adapted to engage the shoulders and inclined surfaces of the door frame to seal the door opening at a plurality of points from side to side of the wall.

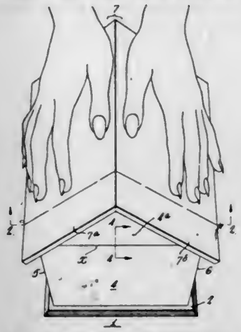
2,296,814
CLOTHES SPRINKLER
Edward A. Ebert, Buffalo, N. Y.
Application January 10, 1940, Serial No. 313,276
9 Claims. (Cl. 299—95)



1. A device of the character described having operative and inoperative positions which are angularly displaced with respect to one another and including a container for the liquid to be sprinkled, said device having a normal position of rest which corresponds to said inoperative position, a spray head carried by and communicating with said container and into which said liquid flows when the device is moved to said operative position, an electric heating element for automatically vaporizing a portion only of said liquid, said heating element being supported in said container so that it is located above the level of said liquid in the inoperative position of said device and below the level of the liquid in the operative position, and circuit means for energizing said element when said device is tipped to said operative position, whereby to create a vapor pressure in the container to expel the liquid from said head in the form of a spray.

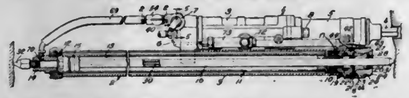
2,296,815
DEMONSTRATING DEVICE
Alfred R. Evans, Milford, Conn., assignor to Baldwin-Hill Company, Trenton, N. J., a corporation of New Jersey
Application December 11, 1941, Serial No. 422,580
5 Claims. (Cl. 35—19)

1. A heat transfer demonstrating device comprising an all-wooden enclosure simulating a typical frame dwelling in miniature and including opposite end walls, opposite side walls, and opposite angularly disposed sections of a ridged roof, a base, a source of heat on said base within said enclosure and normally impinging rays of heat against the interior surfaces of said opposite walls and roof sections, and a layer of mineral wool interposed between said source of heat and



at least one of said interior surfaces adjacent such surface to prevent said impingement thereagainst, whereby the corresponding coextensive exterior surface of said enclosure will remain relatively cool in comparison to other exterior surfaces of the enclosure which correspond to and are coextensive with those of said interior surfaces against which said heat rays are permitted to impinge.

2,296,816
ROCK DRILL
John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Original application July 2, 1938, Serial No. 217,287. Divided and this application May 31, 1940, Serial No. 338,027
3 Claims. (Cl. 255—51)



1. In a rock drill, in combination, a steel actuating motor, a fluid actuated supporting structure for said motor comprising oppositely movable fluid actuated elements engageable with extraneous abutments, a manually operable throttle valve mechanism embodied in said motor for supplying pressure fluid to said supporting structure to effect relative opposite movement of said elements, an auxiliary manually operable control valve in the fluid supply line between said throttle valve mechanism and said supporting structure, and means embodied in said auxiliary valve for automatically trapping the fluid in said supporting structure in the event of the failure of the fluid supply to the throttle valve mechanism.

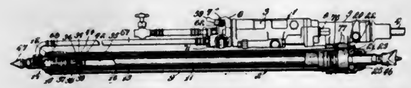
2,296,817
ROCK DRILL
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 16, 1939, Serial No. 304,793
23 Claims. (Cl. 255—51)

1. In a rock drill, the combination comprising an elongated extensible supporting and guiding structure for supporting the rock drill against extraneous abutments at its remote extremities and actuated by pressure fluid, a drilling motor, fluid actuated feeding means associated with said supporting and guiding structure and including a feeding element surrounding and movable along said supporting and guiding structure for feeding said motor toward the work, said feeding



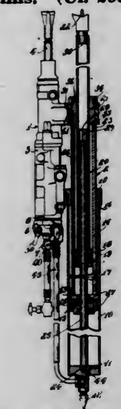
element being rotatable about the longitudinal axis of said supporting and guiding structure to swing said motor out of line with the drill hole, means for supplying pressure fluid to said feeding means, and means including a fluid supply connection at least in part arranged within and movable with said feeding element for supplying pressure fluid to said supporting and guiding structure.

2,296,818
ROCK DRILL
John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 16, 1939, Serial No. 304,792
6 Claims. (Cl. 255—53)



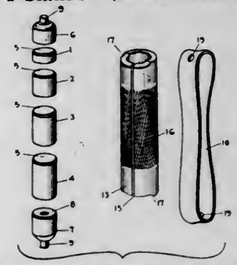
1. In a rock drill, in combination, a drill steel actuating motor, an adjustable supporting structure on which said actuating motor is guided for movement toward and from the face of the work to be drilled, said supporting structure including a movable supporting element engageable with the working face and having a piston fixed thereto, means for subjecting an area on said piston to pressure fluid for effecting movement of said supporting element into engagement with the working face, means for subjecting an oppositely directed area on said piston to pressure fluid for effecting movement of said supporting element away from the working face, means for venting pressure fluid from said first mentioned area on said piston, means for venting pressure fluid from said second mentioned area on said piston, and valve means responsive to the pressures at said first mentioned area for controlling the venting of pressure fluid from said second mentioned area.

2,296,819
ROCK DRILL
Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 16, 1939, Serial No. 304,794
8 Claims. (Cl. 255—52)



1. In a rock drill, relatively reciprocable feed cylinder and feed piston elements, fluid actuated means coaxial with said cylinder and piston elements for supporting the drill on the working face and including oppositely acting fluid actuated supporting elements, one of which is a stationary reaction element, a drill hammer motor operatively connected to the piston element for feeding thereby, said feed piston element having differential pressure areas, the larger one of said piston areas acting in the forward-feed-effecting direction and the smaller pressure area acting in the reverse-feed-effecting direction, means for supplying pressure fluid concurrently to said fluid actuated supporting means and said smaller piston area, and means for supplying pressure fluid to and exhausting fluid from said larger piston area without interrupting the flow of pressure fluid to said smaller pressure area, the pressure fluid acting on said larger pressure area overcoming the pressure of the fluid acting on said smaller pressure area to effect forward feed of the drill hammer motor and the pressure fluid acting on said smaller piston area effecting reverse feed of the drill hammer motor when said larger piston area is connected to exhaust.

2,296,820
MEASURING APPARATUS
Stephen T. Lester, Cleveland Heights, Ohio
Application October 12, 1938, Serial No. 234,665
4 Claims. (Cl. 33—174)



1. An end block comprising a cylindrical metallic piece having a plane base normal to its axis,

the block being formed with an axial threaded aperture therein, an adjustable contacting tip having a threaded shank engaging the thread within the aperture, and a locking screw contacting said shank and threaded in said aperture.

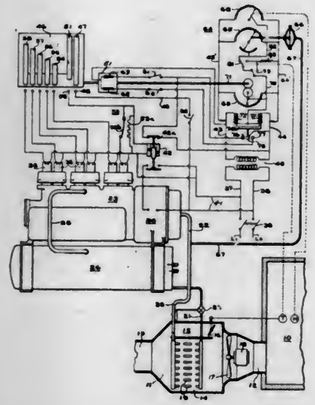
2,296,821
MULTISTAGE WELL PUMP
John H. Puls, Los Angeles, Calif., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 8, 1941, Serial No. 387,399
3 Claims. (Cl. 103—187)



1. A multi-stage well pump comprising a fixed tubular plunger having a pair of pistons secured in spaced relation along a central tube, means for securing the lower end of said tube in the tubing or casing of the well so that liquid to be produced will flow upwardly into the tube, a vertically reciprocable barrel movable on said pistons in telescoping relation to said fixed plunger, a ring member secured to the inner surface of said barrel between said pistons and forming with said pistons an upper and a lower chamber, said tube being provided with ports connecting the interior of the tube with each of said chambers and upwardly opening check valves disposed in said tube above and below each of said ports, the arrangement being such that on the upstroke of said barrel fluid will be drawn from the well into said lower chamber and fluid in the upper chamber will be forced into the tubular plunger and upwardly in the tubing, while on the down stroke fluid in the lower chamber will be forced through a portion of said tubular plunger into the upper chamber.

2,296,822
AIR CONDITIONING APPARATUS
Edward R. Wolfert, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 23, 1938, Serial No. 203,797
15 Claims. (Cl. 62—4)

1. In a refrigerating system, the combination of a compressor having a plurality of cylinders having pressure-operated suction valves, a condenser, and an evaporator connected in a refrigerant circuit, unloader mechanisms associated with a plurality of said cylinders respectively for loading and unloading the same during operation of the compressor, said unloader mechanisms unloading the cylinders by holding the



suction valves in open position, and means for controlling said unloader mechanisms to successively load said cylinders in response to successive increases in pressure in the low pressure side of the refrigerating system and to successively unload said cylinders in the reverse order in response to successive decreases in pressure in said low pressure side to maintain said pressure substantially at a predetermined value.

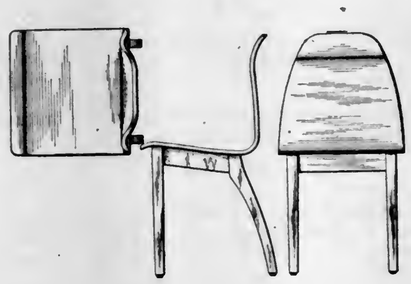
2,296,823
PREPARATION OF UNSATURATED ALCOHOL ESTERS
Maxwell A. Pollack, Akron, and Albert G. Chenicek, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application January 27, 1940, Serial No. 315,970
5 Claims. (Cl. 260—485)

2. The method of preparing an unsaturated ester which comprises reacting an unsaturated aliphatic halide containing a halogen atom attached to a saturated carbon atom with an aqueous solution of a water soluble salt of a weak organic carboxylic acid in the presence of an agent capable of reducing the surface tension of the solution in amount sufficient to reduce the surface tension below about 60 dynes per centimeter.

DESIGNS

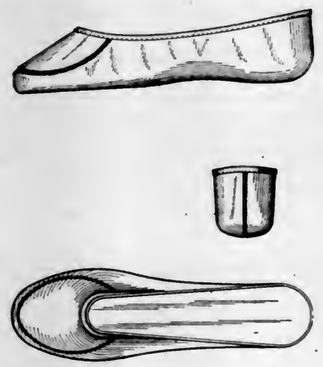
SEPTEMBER 22, 1942

133,818
DESIGN FOR A CHAIR
William J. Bargen, Waukegan, Ill.
Application July 27, 1942, Serial No. 107,718
Term of patent 14 years



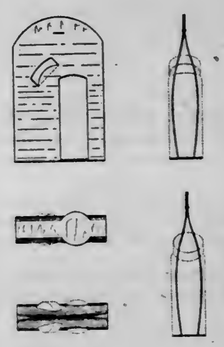
The ornamental design for a chair, as shown.

133,819
DESIGN FOR A DANCE SLIPPER
Leo Harris, Chicago, Ill.
Application July 25, 1942, Serial No. 107,678
Term of patent 7 years



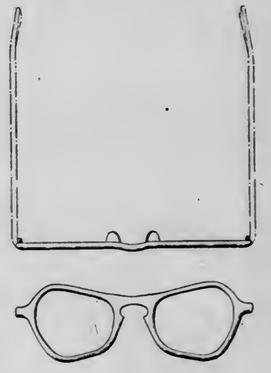
The ornamental design for a dance slipper, as shown.

133,820
DESIGN FOR A COMBINED CONTAINER CARRIER AND DISPLAY DEVICE
Ellis M. Houghton, Marion, Ohio, assignor to Double Duty Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 21, 1942, Serial No. 105,945
Term of patent 14 years



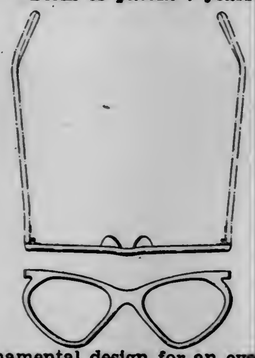
The ornamental design for a combined container carrier and display device, substantially as shown.

133,821
DESIGN FOR AN EYEGLASS FRAME
Louis Jacobson, Brooklyn, N. Y.
Application July 9, 1942, Serial No. 107,452
Term of patent 7 years



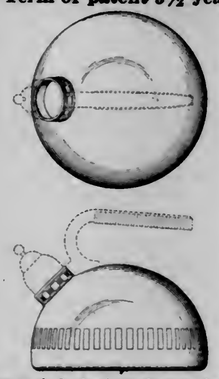
The ornamental design for an eyeglass frame, substantially as shown and described.

133,822
DESIGN FOR AN EYEGLASS FRAME
Louis Jacobson, Brooklyn, N. Y.
Application July 9, 1942, Serial No. 107,453
Term of patent 7 years



The ornamental design for an eyeglass frame, substantially as shown and described.

133,823
DESIGN FOR A TEAKETTLE OR THE LIKE
Karl Schneider, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 26, 1942, Serial No. 106,001
Term of patent 3½ years



The ornamental design for a teakettle or the like, as shown.

133,824
DESIGN FOR AN EGG DYEING APPARATUS
Raymond P. Young, Wrightsville, Pa.
Application July 3, 1942, Serial No. 107,401
Term of patent 7 years



The ornamental design for an egg dyeing apparatus, as shown.

133,825
DESIGN FOR A JEWELRY FINDING OR SIMILAR ARTICLE
Alfred C. Apitz, Chicago, Ill.
Application December 26, 1941, Serial No. 104,851
Term of patent 7 years



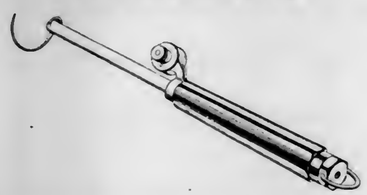
The ornamental design for a jewelry finding or similar article, substantially as shown.

133,826
DESIGN FOR A BANNER OR THE LIKE
Mark Cooney, San Francisco, Calif., assignor of one-half to Leo Y. Booharin, San Francisco, Calif.
Application June 8, 1942, Serial No. 107,151
Term of patent 14 years



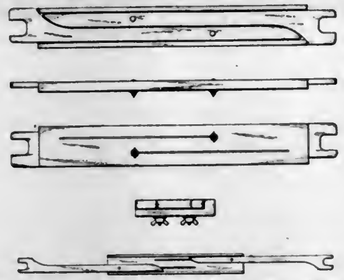
The ornamentation for a banner or the like as shown.

133,827
DESIGN FOR A SURGICAL STITCHING INSTRUMENT OR SIMILAR ARTICLE
John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 11, 1942, Serial No. 105,770
Term of patent 14 years



The ornamental design for a surgical stitching instrument or similar article, as shown and described.

133,828
DESIGN FOR A TRACTION SPLINT
Robert J. Marimon, Avon Lake, Ohio
Application May 20, 1942, Serial No. 106,961
Term of patent 14 years



The ornamental design for a traction splint, substantially as shown.

133,829
DESIGN FOR A JEWELRY CLIP
Maximilian C. Meyer, Brooklyn, N. Y.
Application May 30, 1942, Serial No. 107,059
Term of patent 7 years



The ornamental design for a jewelry clip, substantially as shown and described.

133,830
DESIGN FOR AN EARRING
Maximilian C. Meyer, Brooklyn, N. Y.
Application July 18, 1942, Serial No. 107,594
Term of patent 7 years



The ornamental design for an earring, substantially as shown and described.

133,831
DESIGN FOR AN EARRING
Maximilian C. Meyer, Brooklyn, N. Y.
Application July 18, 1942, Serial No. 107,595
Term of patent 7 years



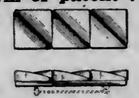
The ornamental design for an earring, substantially as shown and described.

133,832
DESIGN FOR AN EARRING
Maximilian C. Meyer, Brooklyn, N. Y.
Application July 18, 1942, Serial No. 107,596
Term of patent 7 years



The ornamental design for an earring, substantially as shown and described.

133,833
DESIGN FOR A JEWELRY PIN
Maximilian C. Meyer, Brooklyn, N. Y.
Application July 25, 1942, Serial No. 107,683
Term of patent 7 years



The ornamental design for a jewelry pin, substantially as shown and described.

133,834
DESIGN FOR AN EARRING
Maximilian C. Meyer, Brooklyn, N. Y.
Application July 25, 1942, Serial No. 107,685
Term of patent 7 years



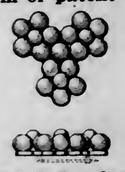
The ornamental design for an earring, substantially as shown and described.

133,835
DESIGN FOR A JEWELRY PIN
Maximilian C. Meyer, Brooklyn, N. Y.
Application July 25, 1942, Serial No. 107,686
Term of patent 7 years



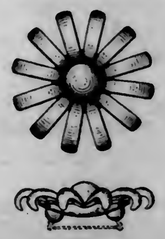
The ornamental design for a jewelry pin, substantially as shown and described.

133,836
DESIGN FOR A JEWELRY PIN
Maximilian C. Meyer, Brooklyn, N. Y.
Application July 25, 1942, Serial No. 107,687
Term of patent 7 years



The ornamental design for a jewelry pin, substantially as shown and described.

133,837
DESIGN FOR A JEWELRY PIN
Maximilian C. Meyer, Brooklyn, N. Y.
Application July 30, 1942, Serial No. 107,752
Term of patent 7 years



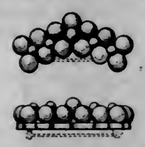
The ornamental design for a jewelry pin, substantially as shown and described.

133,838
DESIGN FOR A JEWELRY PIN
Maximilian C. Meyer, Brooklyn, N. Y.
Application July 30, 1942, Serial No. 107,753
Term of patent 7 years



The ornamental design for a jewelry pin, substantially as shown and described.

133,839
DESIGN FOR A JEWELRY PIN
Maximilian C. Meyer, Brooklyn, N. Y.
Application July 30, 1942, Serial No. 107,754
Term of patent 7 years



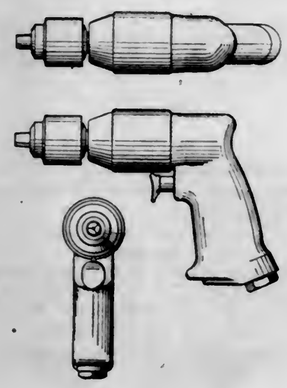
The ornamental design for a jewelry pin, substantially as shown and described.

133,840
DESIGN FOR A JEWELRY PIN
Maximilian C. Meyer, Brooklyn, N. Y.
Application July 30, 1942, Serial No. 107,755
Term of patent 7 years



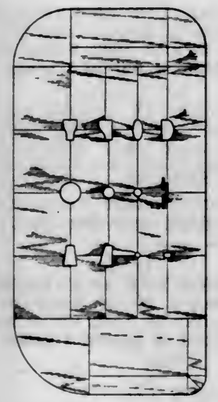
The ornamental design for a jewelry pin, substantially as shown and described.

133,841
DESIGN FOR A PNEUMATIC DRILL UNIT
Harold C. Reynolds, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application July 18, 1942, Serial No. 107,602
Term of patent 14 years



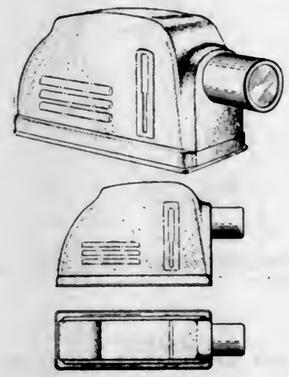
The ornamental design for a pneumatic drill unit, as shown.

133,842
DESIGN FOR A TEMPLATE
Harold M. Alt, Jamaica, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application April 27, 1942, Serial No. 106,723
Term of patent 14 years



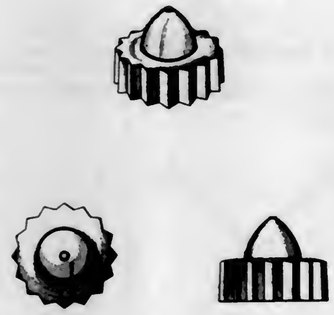
The ornamental design for a template, substantially as shown and described.

133,843
DESIGN FOR A PROJECTOR
John T. Armbruster, Niagara Falls, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y., a corporation of New York
Application March 10, 1942, Serial No. 106,126
Term of patent 14 years



The ornamental design for a projector, substantially as shown and described.

133,844
DESIGN FOR A CAP FOR COLLAPSIBLE TUBE
Leonard Baron, Franklin Square, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application August 4, 1942, Serial No. 107,812
Term of patent 7 years



The ornamental design for a cap for collapsible tube, as shown.

133,845
DESIGN FOR A CHAIR
Alexey Brodovitch, New York, N. Y.
Application June 24, 1942, Serial No. 107,328
Term of patent 7 years



The ornamental design for a chair, substantially as shown.

133,846
DESIGN FOR A CHAIR
Alexey Brodovitch, New York, N. Y.
Application June 24, 1942, Serial No. 107,329
Term of patent 7 years



The ornamental design for a chair, substantially as shown.

133,847
DESIGN FOR A CHAIR
Alexey Brodovitch, New York, N. Y.
Application June 24, 1942, Serial No. 107,330
Term of patent 7 years



The ornamental design for a chair, substantially as shown.

133,848
DESIGN FOR A CHAIR
Alexey Brodovitch, New York, N. Y.
Application June 24, 1942, Serial No. 107,331
Term of patent 7 years



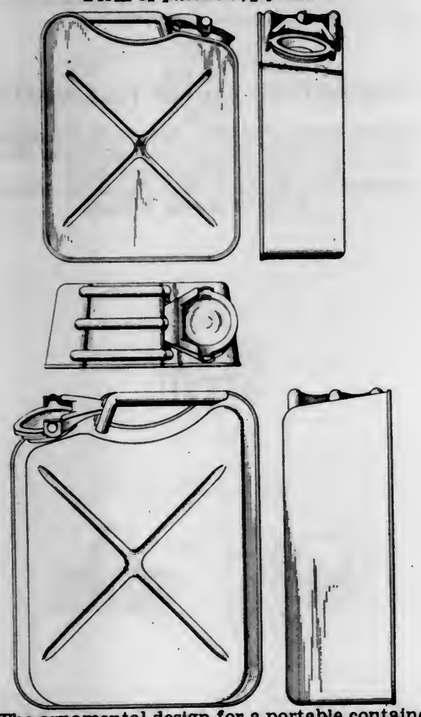
The ornamental design for a chair, substantially as shown.

133,849
DESIGN FOR A CHAIR
Alexey Brodovitch, New York, N. Y.
Application June 24, 1942, Serial No. 107,332
Term of patent 7 years



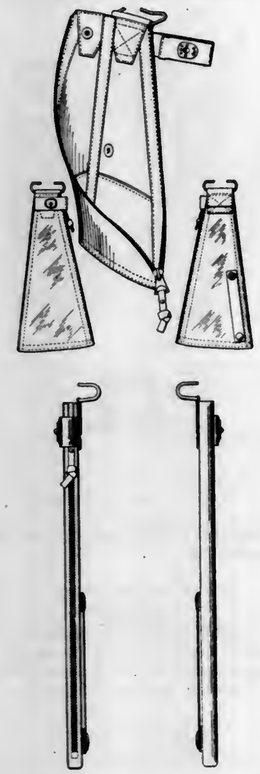
The ornamental design for a chair, substantially as shown.

133,850
DESIGN FOR A PORTABLE CONTAINER FOR LIQUIDS
David T. Clements, United States Army, Arlington, Va., and John M. Kenderdine, United States Army, Silver Spring, Md.
Application July 28, 1942, Serial No. 107,730
Term of patent 3½ years



The ornamental design for a portable container for liquids, as shown.

133,851
DESIGN FOR A CUTTING IMPLEMENT SHEATH OR THE LIKE
Frederick Ehrsam, Reading, Pa.
Application May 25, 1942, Serial No. 106,997
Term of patent 14 years



The ornamental design for a cutting implement sheath or the like, as shown.

133,852
DESIGN FOR A COAT LINING
Ben K. Eisenberg, New York, N. Y.
Application July 25, 1942, Serial No. 107,669
Term of patent 3½ years



The ornamental design for a coat lining, substantially as shown.

133,853
DESIGN FOR A COAT LINING
Ben K. Eisenberg, New York, N. Y.
Application July 25, 1942, Serial No. 107,670
Term of patent 3½ years



The ornamental design for a coat lining, substantially as shown.

133,854
DESIGN FOR A COAT LINING
Ben K. Eisenberg, New York, N. Y.
Application July 25, 1942, Serial No. 107,671
Term of patent 3½ years



The ornamental design for a coat lining, substantially as shown.

133,855
DESIGN FOR A COAT LINING
Ben K. Eisenberg, New York, N. Y.
Application July 25, 1942, Serial No. 107,672
Term of patent 3½ years



The ornamental design for a coat lining, substantially as shown.

133,856
DESIGN FOR A COAT LINING
Ben K. Eisenberg, New York, N. Y.
Application July 25, 1942, Serial No. 107,673
Term of patent 3½ years



The ornamental design for a coat lining, substantially as shown.

133,857
DESIGN FOR A COAT LINING
Ben K. Eisenberg, New York, N. Y.
Application July 25, 1942, Serial No. 107,674
Term of patent 3½ years



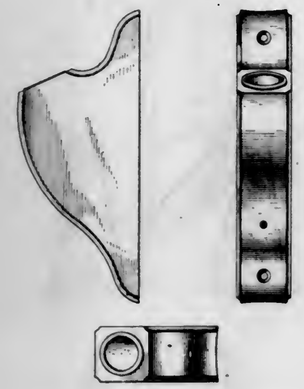
The ornamental design for a coat lining, substantially as shown.

133,858
DESIGN FOR A DRESS
Shirley Barker Foster, New York, N. Y.
Application August 14, 1942, Serial No. 107,933
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,859
DESIGN FOR A FLAG HOLDER
Walter S. Gass, Seward, Nebr.
Application July 17, 1942, Serial No. 107,588
Term of patent 7 years



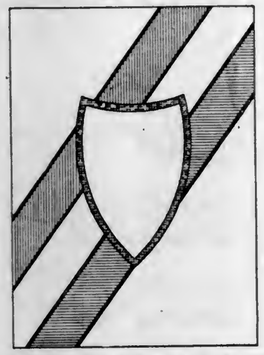
The ornamental design for a flag holder, substantially as shown.

133,860
DESIGN FOR A DRESS
David E. Gottlieb, New York, N. Y.
Application August 12, 1942, Serial No. 107,892
Term of patent 3½ years



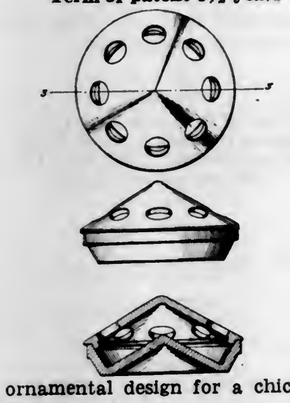
The ornamental design for a dress, substantially as shown and described.

133,861
DESIGN FOR A PHOTOGRAPHIC MOUNT OR THE LIKE
Jack Hecht, New Haven, and Walter G. Klubek, Derby, Conn.
Application June 5, 1942, Serial No. 107,137
Term of patent 7 years



The ornamental design for a photographic mount or the like, as shown and described.

133,862
DESIGN FOR A CHICKEN FEEDER
Robert Herbert Kinkel, San Antonio, Tex.
Application June 24, 1942, Serial No. 107,320
Term of patent 3½ years



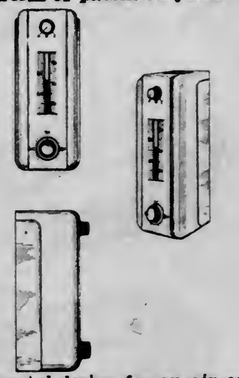
The ornamental design for a chicken feeder, as shown.

133,863
DESIGN FOR A SET OF GAME PIECES
Charles Hoytash, Vineland, N. J.
Application May 12, 1942, Serial No. 106,868
Term of patent 3½ years



The ornamental design for a set of game pieces as shown.

133,864
DESIGN FOR AN AIR CONDITIONING CONTROL
Homer E. Malone, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application December 26, 1941, Serial No. 104,856
Term of patent 14 years



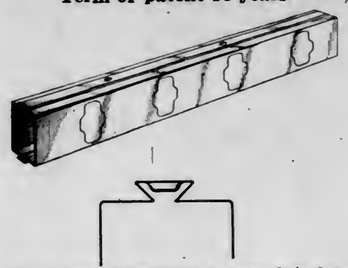
The ornamental design for an air conditioning control, substantially as shown.

133,865
DESIGN FOR A PRINTED RUG OR THE LIKE
John Stout, Fox Chase, Pa., assignor to Carthage Mills Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application June 22, 1942, Serial No. 107,295
Term of patent 7 years



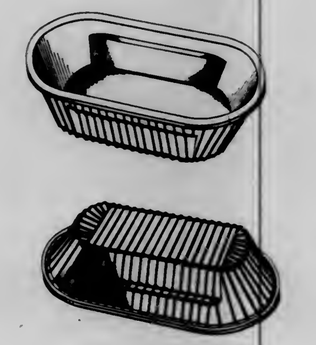
The ornamental design for a printed rug or the like, as shown and described.

133,866
DESIGN FOR A CONDUIT FOR A CONDUCTOR SYSTEM
Elmer T. Carlson, Fort Mitchell, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application March 1, 1941, Serial No. 99,282
Term of patent 14 years



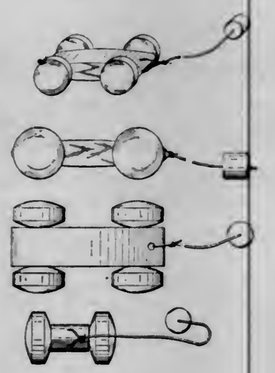
The ornamental design for a conduit for a conductor system, as shown and described

133,867
DESIGN FOR A MOLDED FIBER TRAY
Merle P. Chaplin, South Portland, Maine, assignor to Chaplin Corporation, Portland, Maine, a corporation of Maine
Application July 30, 1942, Serial No. 107,767
Term of patent 14 years



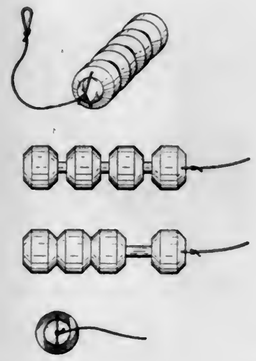
The ornamental design for a molded fiber tray, as shown.

133,868
DESIGN FOR A TOY VEHICLE
James P. Donahue, Oak Park, Ill.
Application July 13, 1942, Serial No. 107,517
Term of patent 14 years



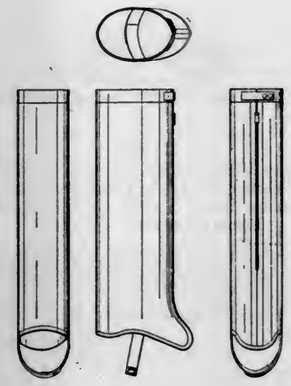
The ornamental design for a toy vehicle, substantially as shown and described.

133,869
DESIGN FOR A TOY RATTLER
James P. Donahue, Oak Park, Ill.
Application July 13, 1942, Serial No. 107,518
Term of patent 14 years



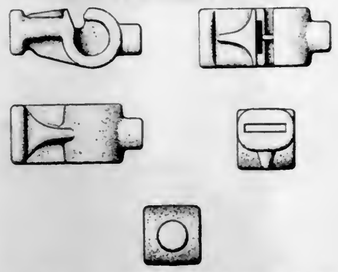
The ornamental design for a toy rattler, substantially as shown and described.

133,870
DESIGN FOR A BOOTLETTE
Beulah Hill, Los Angeles, Calif.
Application September 10, 1941, Serial No. 103,274
Term of patent 7 years



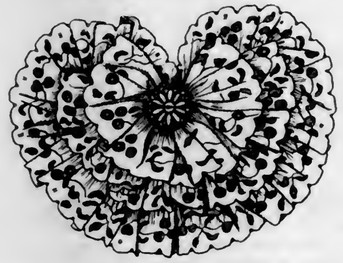
The ornamental design for a bootlette, as shown and described.

133,871
DESIGN FOR A WHISTLE
Joseph J. Kolar, Wheaton, Ill., assignor to John W. Glenn, Buffalo, N. Y.
Application August 5, 1942, Serial No. 107,816
Term of patent 14 years



The ornamental design for a whistle, as shown.

133,872
DESIGN FOR A JABOT
Milton C. Kruger, Chicago, Ill., assignor to Kadet Kruger & Company, Chicago, Ill., a co-partnership
Application June 22, 1942, Serial No. 107,293
Term of patent 3½ years



The ornamental design for a jabot, as shown.

133,873
DESIGN FOR A JABOT
Milton C. Kruger, Chicago, Ill., assignor to Kadet Kruger & Company, Chicago, Ill., a co-partnership
Application June 22, 1942, Serial No. 107,294
Term of patent 3½ years



The ornamental design for a jabot, as shown.

133,874
DESIGN FOR A HAT
Huldrick B. Reid, Detroit, Mich.
Application July 31, 1942, Serial No. 107,773
Term of patent 3½ years



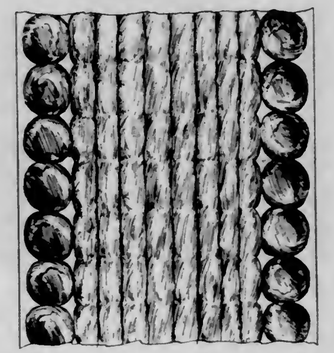
The ornamental design for a hat, as shown.

133,875
DESIGN FOR A WRAPPING PAPER OR SIMILAR ARTICLE
George C. Adams, New York, N. Y., assignor to The J. B. Williams Company, Glastonbury, Conn., a corporation of Connecticut
Application June 18, 1942, Serial No. 107,233
Term of patent 14 years



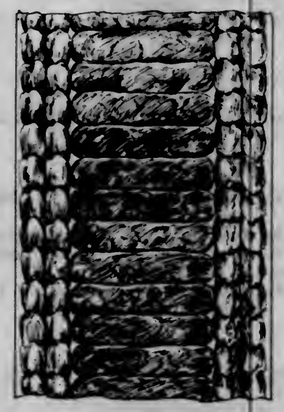
The ornamental design for a wrapping paper or similar article, as shown.

133,876
DESIGN FOR WRAPPING PAPER
John W. Elder, Middletown, Ohio
Application June 8, 1942, Serial No. 107,152
Term of patent 14 years



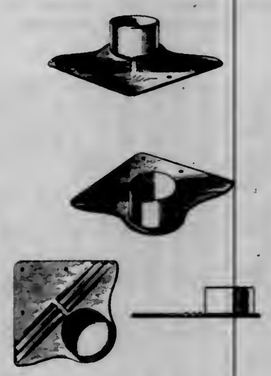
The ornamental design for wrapping paper, as shown.

133,877
DESIGN FOR WRAPPING PAPER
John W. Elder, Middletown, Ohio
Application June 8, 1942, Serial No. 107,154
Term of patent 14 years



The ornamental design for wrapping paper, as shown.

133,878
DESIGN FOR A HOLDER FOR INKWELLS AND PENS
William M. Gallagher, Oklahoma City, Okla.
Application May 5, 1942, Serial No. 106,801
Term of patent 14 years



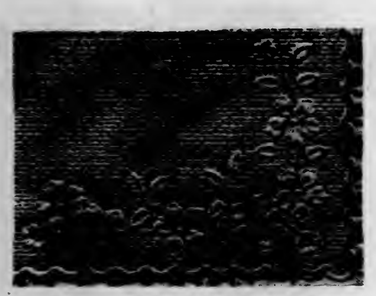
The ornamental design for a holder for inkwells and pens, as shown.

133,879
DESIGN FOR A DOILY OR SIMILAR ARTICLE
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 22, 1942, Serial No. 107,301
Term of patent 14 years



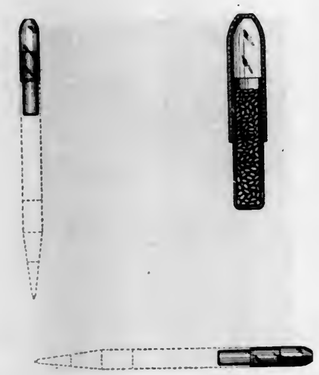
The ornamental design for a doily or similar article, substantially as shown and described.

133,880
DESIGN FOR A DOILY OR SIMILAR ARTICLE
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 22, 1942, Serial No. 107,302
Term of patent 14 years



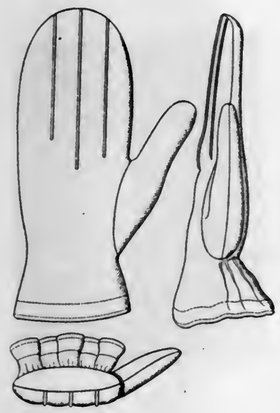
The ornamental design for a doily or similar article, substantially as shown and described.

133,881
DESIGN FOR A PENCIL OR SIMILAR ARTICLE
Sylvester G. Lipic, St. Louis, Mo.
Application January 19, 1942, Serial No. 105,304
Term of patent 14 years



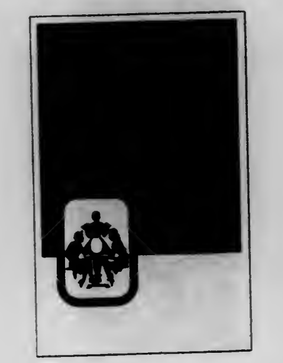
The ornamental design for a pencil or similar article, substantially as shown and described.

133,882
DESIGN FOR A MITTEN
Inez Matthews, Oakland, Calif.
Application November 22, 1940, Serial No. 96,742
Term of patent 3½ years



The ornamental design for a mitten, as shown.

133,883
DESIGN FOR A MENU COVER
Herman L. Steinhilber, New York, N. Y., assignor to McCrory Stores Corporation, New York, N. Y., a corporation of Delaware
Application May 14, 1942, Serial No. 106,895
Term of patent 14 years



The ornamental design for a menu cover, substantially as shown.

133,884
DESIGN FOR A TEXTILE FABRIC
Louis Kalman, New York, N. Y.
Application August 25, 1942, Serial No. 108,031
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

133,885
DESIGN FOR AN EMBROIDERED LACE TRIMMING
Herman Krieger, Brooklyn, N. Y.
Application August 29, 1942, Serial No. 108,063
Term of patent 3½ years



The ornamental design for an embroidered lace trimming, substantially as shown.

133,886
DESIGN FOR AN EMBROIDERED LACE TRIMMING
Herman Krieger, Brooklyn, N. Y.
Application August 29, 1942, Serial No. 108,064
Term of patent 3½ years



The ornamental design for an embroidered lace trimming, substantially as shown.

133,887
DESIGN FOR AN EMBROIDERED FABRIC
Irving G. Oppenheimer, Larchmont, N. Y.
Application August 25, 1942, Serial No. 108,035
Term of patent 3½ years



The ornamental design for an embroidered fabric, substantially as shown.

133,888
DESIGN FOR AN EMBROIDERED FABRIC
Irving G. Oppenheimer, Larchmont, N. Y.
Application August 25, 1942, Serial No. 108,036
Term of patent 3½ years



The ornamental design for an embroidered fabric, substantially as shown.

133,889
DESIGN FOR AN EMBROIDERED TRIMMING OR THE LIKE
Robert Senderowitz, Allentown, Pa.
Application August 25, 1942, Serial No. 108,030
Term of patent 3½ years



The ornamental design for an embroidered trimming or the like, substantially as shown.

133,890
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Michael Angelo Susi, New York, N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application August 31, 1942, Serial No. 108,091
Term of patent 3½ years

The ornamental design for a textile fabric or similar article, substantially as shown and described.

133,891
DESIGN FOR A LACE TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application August 25, 1942, Serial No. 108,027
Term of patent 3½ years



The ornamental design for a lace trimming or similar article, substantially as shown.

133,892
DESIGN FOR A DRESS
Netye Carson, New York, N. Y.
Application August 28, 1942, Serial No. 108,054
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,893
DESIGN FOR A DRESS
Louis L. Kashine, New York, N. Y.
Application August 31, 1942, Serial No. 108,092
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,894
DESIGN FOR A DRESS
Betty Kessler, New York, N. Y.
Application August 28, 1942, Serial No. 108,055
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,895
DESIGN FOR A DRESS
H. Thomas Langbert, New York, N. Y.
Application August 28, 1942, Serial No. 108,051
Term of patent 3½ years



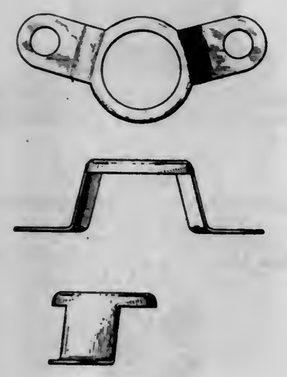
The ornamental design for a dress, substantially as shown.

133,896
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application August 28, 1942, Serial No. 108,056
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,897
DESIGN FOR AN ANTITHEFT WHEEL ATTACHMENT OR SIMILAR ARTICLE
Harry O. Williams, Kansas City, Mo.
Application May 23, 1942, Serial No. 106,989.
Term of patent 3½ years



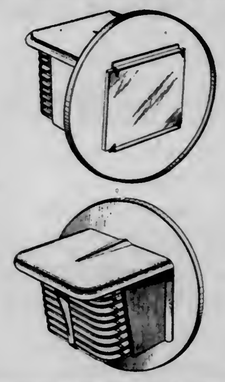
The ornamental design for an antitheft wheel attachment or similar article, as shown.

133,898
DESIGN FOR A DRESS
Belle Zanderer, New York, N. Y.
Application August 28, 1942, Serial No. 108,052
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,899
DESIGN FOR A HEAD LAMP MASK
Vincent Hartley, Greenfield, England
Application May 18, 1942, Serial No. 106,945
In Great Britain October 16, 1941
Term of patent 14 years



The ornamental design for a head lamp mask, as shown.

Patents Nos. 2,296,824 to 2,297,674

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 542—No. 5 TUESDAY, SEPTEMBER 29, 1942 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of September 29, 1942	789
Transfer of Class	789
Adjudicated Patents	789
Disclaimer	789
Notices of Cancellation	789
Applications Under Examination	790
Decisions of the U. S. Courts—	
Holdsworth *v.* Goldsmith	791
In re Robertson	794
In re Patton	796
In re Ubbelohde	798
Patent Suits	800
Adverse Decisions in Interference	802
Trade-Mark Registrations Canceled	802
Interference Notices	802
Bulletin of Decisions of Patent Office on Trade-Marks	803
Trade-Marks Published (85 Applications)	809
Trade-Mark Registrations Granted	819
Trade-Mark Registrations Renewed	825
Reissues	829
Plant Patents	831
Patents Granted	832
Designs	1032

September 29, 1942

Trade-marks	123—No.	397,870 to No.	397,992, inclusive.
T. M. Renewals	68		
Reissues	9—No.	22,184 to No.	22,192, inclusive.
Plant Patent	1—No.	545	
Patents	851—No.	2,296,824 to No.	2,297,674, inclusive.
Designs	70—No.	133,900 to No.	133,969, inclusive.
Total	1,122		

Transfer of Class

ORDER No. 3,649

U. S. PATENT OFFICE, *Richmond, Va., Aug. 21, 1942.*

The following transfer, effective September 1, 1942, is hereby ordered:

Class 76 from Division 14 to Division 58.

CONWAY P. COE,
Commissioner.

Adjudicated Patents

(D. C. Mass.) Byron and Evans patent, No. 1,618,809, for boot and shoe manufacture, *Held* invalid. *Parco, Inc.*, v. *Pero & Daniels*, 45 F. Supp. 685.

(D. C. Ill.) Klein and Szegvari patent, No. 1,825,736, for method for the production of rubber goods directly from latex, claims 1, 16, 18, and 19 *Held* valid and infringed. *American Anode* v. *Lee-Tex Rubber Products Corporation*, 45 F. Supp. 750.

(C. C. A. Ohio.) Van Wormer patent, No. 1,947,748, for paper cleaning machine, claim 1 *Held* invalid and not infringed. *Van Wormer* v. *Champion Paper & Fibre Co.*, 129 F.(2d) 428.

(D. C. Ill.) Twiss patent, No. 1,996,051, for method and form for manufacturing rubber goods from an aqueous dispersion of rubber, claims 2, 4, 17, 18, 28, and 29 *Held* valid and infringed. *American Anode* v. *Lee-Tex Rubber Products Corporation*, 45 F. Supp. 750.

Disclaimer

2,198,986.—*William H. Bailey*, Pueblo, Colo. MEANS FOR FORMING TIE PLATES. Patent dated April 30, 1940. Disclaimer filed August 18, 1942, by the assignee, *The Colorado Fuel and Iron Corporation.*

Hereby enters this disclaimer to claims 1, 3, 4, and 5 of said patent.

Notices of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., Sept. 9, 1942.*

Colonial Drug & Sales Co., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by August A. Fickerle, 1033 S. Boulevard, Oak Park, Ill., to effect the cancellation of trade-mark registration of Colonial Drug & Sales Co., 1271 Curtis St., Denver, Colo., No. 209,989, dated March 2, 1926, and the notice of such proceeding sent by registered mail to the said Colonial Drug & Sales Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Colonial Drug & Sales Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Sept. 9, 1942.*

Colonial Drug & Sales Co., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by August A. Fickerle, 1033 S. Boulevard, Oak Park, Ill., to effect the cancellation of trade-mark registration of Colonial Drug & Sales Co., 1271 Curtis St., Denver, Colo., No. 211,763, dated April 20, 1926, and the notice of such proceeding sent by registered mail to the said Colonial Drug & Sales Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Colonial Drug & Sales Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business September 12, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,256; Trade-Mark Division, 948. Oldest new case, Oct. 31, 1941; oldest amended, Nov. 7, 1941.)
(The dates given are 1942 except where † indicates 1941)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Domestic Cooking Vessels; Sewerage.	Jan. 26	Feb. 20	600
2. HERRMANN, D., Fishing and Trapping; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Feb. 5	Jan. 21	464
3. WOLFFE, S (Acting), Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 2	Feb. 4	807
4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Mar. 12	Mar. 9	475
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	Apr. 14	May 1	233
6. GENIESSE, E. W., Carbon Chemistry (part)	†Dec. 31	Jan. 10	1286
7. JARBOE, C. G., Optics, Photography	†Dec. 17	†Dec. 18	1249
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Jan. 30	Feb. 20	716
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Mar. 16	Mar. 3	655
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Apr. 8	May 4	299
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Stop Mechanisms	Mar. 21	Mar. 11	393
13. MANIAN, J. C., (Act.), Metal Working (part); Gear Cutting, Milling and Planing; Needle and Pin Making	Jan. 3	†Dec. 26	663
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Apr. 9	Apr. 9	601
15. HENKIN, BENJ., Glass, Plastic Block and Earthenware Apparatus; Plastics	†Dec. 18	†Dec. 17	1122
16. SPENCER, C. J., Telegraphy; Telephony	Feb. 12	Feb. 28	707
17. HABECKER, LEON B., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	†Nov. 29	†Dec. 2	1016
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Feb. 20	Jan. 16	533
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Dec. 20	Jan. 21	758
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part).	Jan. 28	Apr. 15	339
21. THOMPSON, T. J., Textiles	Mar. 28	Apr. 20	350
22. RINGLE, D., Aeronautics; Firearms; Ordnance and Explosive Devices	†Nov. 24	†Nov. 24	1787
23. BARROWS, B., Cash Registers; Calculators (part)	Jan. 7	Feb. 4	165
24. KISSINGER, M. C. (Acting), Apparel; Apparel Apparatus; Sewing Machines	Mar. 26	Mar. 28	688
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 7	Apr. 23	260
26. YOUNG, R. R., Electricity—Generation and Motive Power	Feb. 21	Mar. 6	405
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Mar. 13	Feb. 13	255
28. SOLYOM, H. L., Internal-Combustion Engines (part); Cylinders and Pistons	Apr. 18	Feb. 21	205
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Mar. 11	Mar. 14	494
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 23	May 21	257
31 DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	May 16	Mar. 16	1312
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Feb. 2	Mar. 27	839
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	Mar. 31	Mar. 27	631
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	May 16	Apr. 27	394
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles	Jan. 23	†Dec. 18	972
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Apr. 2	Feb. 20	505
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 20	May 11	425
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Mar. 21	Mar. 30	564
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	May 21	May 20	263
40. DRUMMOND, E. J., Receptacles	Feb. 2	Feb. 2	1359
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Mar. 25	Mar. 18	496
42. MARANS, H., Electric Signaling	Feb. 21	Feb. 18	548
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Azo Compounds.	†Nov. 10	†Nov. 7	1043
44. HARVEY, L. P., Refrigeration	Apr. 24	Mar. 7	368
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Apr. 3	Apr. 1	755
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Heating Systems; Coating Apparatus.	†Dec. 27	†Dec. 27	762
47. KANOF, WM. J., Clutches and Power Stops; Brakes; Boring and Drilling; Land Vehicles (part)	Jan. 30	Feb. 27	1073
48. ROEPKE, O. B., Electricity, General Applications; Igniters	†Dec. 26	†Dec. 24	801
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 13	Mar. 4	561
50. LEVIN, SAMUEL, Resins; Rubber; Carbohydrates and Derivatives	Feb. 13	Feb. 13	1608
51. BACKUS, C. D., Radiant Energy	Mar. 19	Mar. 19	665
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	May 21	Apr. 18	304
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Curtains, Shades and Screens; Cutlery.	Jan. 26	Mar. 6	391
54. STRACHAN, O. W., Electric Lamp and Discharge Devices (part)	Apr. 16	Apr. 16	521
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery	May 18	June 12	155
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Laminated Fabrics (part); Paper Making	Jan. 12	Jan. 14	1350
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks	†Dec. 19	May 2	346
58 DOWELL, E. F., Abrading; Bottles and Jars; Stone Working	May 19	May 26	258
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds; Compositions (part).	†Oct. 31	†Nov. 28	1729
60 GLASS, R. L., Electricity, Heating and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Marine Propulsion; Consumable Electrode Lamp and Discharge Devices.	Apr. 8	Apr. 8	373
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Laminated Electrical Insulation, Belt, Hose, Tire and Ball Making; Boats and Buoys.	Jan. 21	Jan. 23	945
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Nov. 13	†Nov. 25	403
63. WINKELSTEIN, A. H., Preserving; Poisons; Fermentation; Foods and Beverages; Proteins; Oils and Fats.	†Dec. 15	†Dec. 22	1281
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Distillation; Fuel	Mar. 2	Mar. 3	1561
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays.	Mar. 20	Mar. 6	460
Trade Marks: RICHMOND, F. A.	Aug. 1	Aug. 27	948
Designs: KALUPY, H. H.	Aug. 19	Aug. 26	363

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

HOLDSWORTH *v.* GOLDSMITH
No. 4593. Decided June 1, 1942
[— F.(2d) —]

1. APPEAL—BRIEF—MOTION TO STRIKE.
Where appellee G moved to strike a portion of appellant H's brief relating to certain patents included therein, but, soon thereafter, appellant H obtained, upon petition, the issuance of a writ of certiorari to the Patent Office requiring it to certify to the Court of Customs and Patent Appeals the said patents as a part of the record *Held* that the motion should be denied.

2. INTERFERENCE—CONSTRUCTION OF COUNTS.
Held that in construing the claim copied by appellee G from the patent of appellant H and forming the issue of the interference between them, the Board of Appeals was fully justified in refusing to consider a patent not of record in H's patent file.

3. SAME—RIGHT TO MAKE COUNTS.
"If a patent disclosure shows two elements which perform two different functions and the patent claim is drawn to define both as separate elements, a disclosure which has only one element, performing both functions, will not be regarded as supporting the count."

4. SAME—PRIORITY.
Record reviewed and *Held* that the application of G, the senior party, satisfies the claim copied by him from the patent to H, the junior party, and that priority properly was awarded to G.

APPEAL from the Patent Office. Affirmed.

Mr. George L. Wilkinson, Mr. Howard Somervell and *Mr. E. W. Shepard* for Holdsworth.

Mr. Frank Zugelter (*Mr. Donald Gardiner* of counsel) for Goldsmith.

BLAND, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner of Interferences in awarding priority of invention in the single count involved to the senior party Goldsmith, with respect to an improvement in wall construction.

The single count involved reads as follows:

Count 3. A wall construction comprising laterally spaced and longitudinal base members, *connecting means rigidly connecting said base members in lateral spaced relation,* upstanding studs located intermediate said base members. said studs being spaced longitudinally relative to each other, *additional means located intermediate said base members and shaped and adapted to hold the lower ends of said upstanding studs against substantial longitudinal movement relative to said base members,* plaster facing covering said studs, said plaster facing exposing said base members. [Italics ours.]

The senior party Goldsmith copied into his application, filed March 2, 1938, a claim, corresponding to the count involved, from a Patent No. 2,150,061 to Holdsworth, issued on March 7, 1939, on an application filed August 5, 1938.

Before the Primary Examiner, on motion to dissolve, it was urged by Holdsworth that the Goldsmith disclosure did not support the elements of the count. The Primary Examiner overruled the motion to dissolve as to the involved count. Upon Holdsworth's failure

"to make sufficient showing why judgment on the record should not be entered against him, in view of the fact that in his preliminary statement he alleges no date prior to the filing date of Goldsmith,"

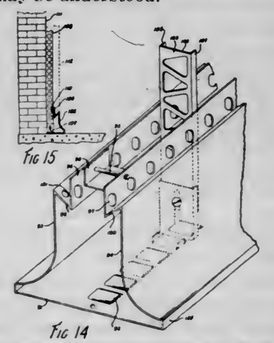
the Examiner of Interferences awarded priority of invention of the count to Goldsmith.

Holdsworth appealed from the decision of the Examiner of Interferences to the Board of Appeals, and it affirmed the action of the Examiner of Interferences and held that Goldsmith's disclosure supported the elements of the count.

The only issue presented in this appeal is the right of Goldsmith to make the claim corresponding to the count.

Holdsworth states at least two reasons why he thinks Goldsmith cannot make the claim corresponding to the count: first, that the count was construed too broadly by the Board in view of certain prior art patents referred to as the Peck patents, and that if the count is construed as the Board construed it, it would be invalid in the Holdsworth patent, being anticipated by the said Peck patents; second, that the count does not read on the Goldsmith disclosure under any reasonable interpretation, chiefly for the reason that Goldsmith does not disclose the elements which are above italicized in the count.

Preliminary to disposing of the issues, a description of the inventions of the parties, somewhat in detail, will be helpful in making clear their contentions here. The structure of the device of each party is somewhat complicated, and we think it advisable to here reproduce Figures 14 and 15 of the Goldsmith application, and from the discussion which follows, certain features of the Holdsworth disclosure may be understood.



As before stated, the invention of each party relates to wall structures, particularly in creating room walls or partitions in buildings, in which structures there would be a base member having laterally spaced longitudinal members connected together in spaced relation. The base members of both parties' structures are so devised that they may be fastened to the floor, and the ends of the upstanding studs are fastened between the lateral plates of the base members. Both parties have

apparently intended to accomplish the same purpose, and while their structures differ in some particulars they are almost identical in others.

We will now dispose of appellant's first contention with reference to the construction to be given to the count by reason of the stated prior art. This contention is expressed in his reason of appeal No. 5, which reads:

5. The Board of Appeals erred in not considering the prior art in interpreting the subject matter in issue, i. e., count 3, to necessarily construe said count whereby said count would only be supported by the structure shown in the Holdsworth patent, and not supported by the structure shown in said Goldsmith application.

[1] After the appeal to this court and after appellant had filed his brief, in which he raised and discussed alleged error on the part of the Board in failing to consider the prior art in construing the count, appellee, in a motion to strike a portion of appellant's brief relating to the said Peck patents, called attention to the fact that while the Peck patents were in the rear of appellant's brief, they were not properly a part of the record. Soon thereafter, appellant, upon petition, obtained from this court the issuance of a writ of certiorari to the Patent Office requiring it to certify to this court as a part of the record the two Peck patents. While appellee, in his brief, renews his motion to strike portions of appellant's brief, partly on the ground that said patents were not properly a part of the record, the motion was renewed after the time said patents became a part of the record. We think appellee's motion to strike the specified portions of appellant's brief should be denied in view of the circumstances related, and it therefore will be denied.

[2] On the merits of the issue presented by appellant's reason of appeal alleging error in the Board's failure to consider the prior art in interpreting the subject matter of the issue, it is observed that the Board, in its decision on this question, had the following to say:

The party Holdsworth has called attention to the patent to Peck No. 2,057,204 apparently for the purpose of limiting the interpretation of the count in issue. This patent was never cited in the record of either application. The present rules prohibit the consideration of prior art which is not of record in either application. Under the practice set forth in *Sachs* v. *Ball*, 1927 C. D., page 30, we must refuse to consider this patent.

In rule No. 122 of the United States Patent Office the following is found:

At a hearing on a motion to dissolve an interference between an application and a patent, *the prior art of record in the patent file* shall be referred to for the purpose of construing the issue. [Italics ours.]

It is noted that the Board stated that the rules "prohibit the consideration of prior art which is not of record in either application," and that it refused to consider the Peck patent referred to, under the practice set forth in *Sachs* v. *Ball*, supra. While the rule does not affirmatively prohibit the consideration of the prior art not of record in the patent file of either application, it is the well-settled practice of the Patent Office not to consider the prior art unless it is of record in said patent file. The case cited by the Board, *Sachs* v. *Ball*, supra, seems to be in point. Particularly in point is certain language used by the First Assistant Commissioner of Patents in the case of *Kishpaugh* v. *Gauthier*, 357 O. G. 787:

The issue of an interference is to be construed in the light of the patent or application in which it originated. Prior patents or any other source of information may be used only to ascertain the meaning of doubtful or technical terms or expressions. They may not be used to show that the issue would not be patentable if construed broadly or according to any interpretation based on the patentee's specification or other publications which define the terms used.

In *Ryan* v. *Gauthier*, 152 MS. 296, it was stated that the prior art could not be used to show that the count read upon the prior art if construed in a certain way—

since the issue must be construed broadly, in the light of the specification of the patent or application in which it originated, and a patentee in interference may not deny the patentability of his own claims.

We think that appellant's reason of appeal presenting this issue to the court is without merit, and the Board of Appeals was fully justified in refusing to consider the subject matter of the above referred to patent in construing the count. Although the Board did not, in its decision, make any reference to the Peck Patent No. 2,052,033, our conclusion here would apply to that patent as well as to Patent No. 2,057,204. It is too well settled to require citation that for interference purposes counts in issue must be given the broadest construction the language will reasonably support. It is true that the practice is also well settled that in an interference proceeding, where the language of a count corresponding to a claim in a patent or an allowed claim in an application is ambiguous, the patent tribunals are warranted in so construing the count that it will be patentable over the prior art cited in ex parte consideration of an application; but they may not, by interpretation of an unambiguous count, distort the plain meaning of its language by reading thereinto, for the purpose of avoiding the prior art, an unwarranted limitation. When an applicant has so broadly claimed that he encroaches upon the prior art, he may not thereafter insist, for the purpose of avoiding a priority contest, that unwarranted limitations be read into the count corresponding to his claim. *Deibel* v. *Heise & Schumacher*, 18 C. C. P. A. (Patents) 907, 46 F.(2d) 570, 405 O. G. 845, and cases cited therein.

For the foregoing reasons it would seem clear that, under the circumstances at bar, the Board properly refused to consider the Peck patents in interpreting the count.

As to appellant's second reason why he thinks Goldsmith is not entitled to make the claim corresponding to the count, we think his reason of appeal No. 4, while couched in very broad language and lacking in specificity much that could be desired, should be regarded, under the particular circumstances of this case, as sufficient to warrant our considering what we regard as the only important question before us. Reason of appeal No. 4 reads:

4. The Board of Appeals erred in not awarding priority of the subject matter in issue, i. e., count 3, to Holdsworth on the grounds that the disclosure of the party Goldsmith in his application Serial No. 193,564, filed March 2, 1938, for Partition Structure does not support count 3.

It is true that appellant has not pointed out in any reason of appeal, as would have been proper,

the particular elements in the count which he claims the Goldsmith application does not disclose. Nevertheless, the Goldsmith structure is before us and the count is before us and appellant's reason of appeal alleges error on the part of the Board in awarding priority to Goldsmith since the "disclosure of the party Goldsmith * * * does not support count 3."

In brief and in oral argument appellant urges that the Goldsmith structure is deficient, first, in that element of the count which calls for "connecting means rigidly connecting said base members in lateral spaced relation." The tribunals of the Patent Office and the appellee rely upon the element 91 in Figure 14, supra, as the means which rigidly connects the base members 93 and 94. Appellant argues that member 91 is not designed for rigid support, whereas in his disclosure the phrase in the count referred to brackets which are somewhat heavy and are spot welded to the lighter side plates. He also claims other means for rigidly holding the base members together.

On this phase of the case also we are in agreement with the holdings of the tribunals below. While the rigidity of the member 91, which is the bottom of the base in the Goldsmith structure, is not emphasized in his application, probably for the reason that (as is likewise shown in appellant's structure) there is another means provided for rigidly connecting the plates together, we are, nevertheless, of the opinion that this element of the count, when construed broadly, reads upon the Goldsmith disclosure. As was stated by the Board, the question of rigidity is a relative one.

The second element of the count which appellant contends the Goldsmith structure does not support is that calling for

"additional means located intermediate said base members and shaped and adapted to hold the lower ends of said upstanding studs against substantial longitudinal movement relative to said base members."

It is in this feature that the structures of the parties differ; but the phrase is broad, and we agree with the tribunals below and the appellee that this element of the count is supported in the Goldsmith structure by the element 92, which is a partly cut-out portion that may be raised and used for the purpose of holding the foot of the stud so as to prevent it from moving longitudinally.

Appellant's objection to regarding said element numbered 92 as sufficient structure to meet the requirements of the last-quoted phrase of the count is to the effect that 92 is a part of 91, and that in construing claims in interference proceedings, regardless of whether they are given a broad or narrow construction, one element may not answer for two elements where the count reads upon two elements in the patent from which it was taken. In other words, appellant contends that 92 is a part of 91 and that 91 cannot serve to support the first limitation and then the second limitation as an additional means. Appellant cites *Ex parte Pierce*, 24 U. S. P. Q. 389, 390, where the following was said:

* * * However, we know of no case in which it has been held proper to claim a single element by a multiple recitation of means or to claim the element and then later to claim an additional means, as in the present case.

[3] The rule invoked by appellant states, in substance, the fairly well settled law on the question. If a patent disclosure shows two elements which perform two different functions and the patent claim is drawn to define both as separate elements, a disclosure which has only one element, performing both functions, will not be regarded as supporting the count. See *Kreidel* v. *Parker*, 25 C. C. P. A. (Patents) 1242, 1244, 97 F.(2d) 171, 496 O. G. 1115; *Nieblo Mfg. Co.* v. *Preston et al.*, 31 F.(2d) 145, 148, affirmed 39 F.(2d) 604; and *Ex parte Horton and Keen*, 1912 C. D. 276, 183 O. G. 217. Holdings which, in a sense, make exceptions to the rule are: *Ex parte Duncan et al.*, 1906 C. D. 348, 349, 124 O. G. 1207; and *Ex parte Hammond, Jr.*, 1924 C. D. 43, 326 O. G. 681. See also "Patent Office Practice," McCrady, section 109, page 83, and "Patent Claim Drafting," Stringham, section 5446, page 209.

The rule above announced and invoked by appellant, however, is not applicable in the instant case. As we view it, element 92 is struck up from element 91. It does not serve the purpose of "rigidly connecting said base members." Its rigidity or lack of rigidity has nothing to do with this element of the count, and in that sense it is not a part of 91. It is no more a part of it than if it had been welded or otherwise fastened to it. In Goldsmith, element 92, instead of serving the purpose of rigidly connecting said base members, is adapted to serve and serves the purpose of holding the "lower ends of said upstanding studs against substantial longitudinal movement."

After considering the disclosure of appellant's patent, from which the count came, we are of the opinion that "additional means" cannot possibly refer to element 91 of Goldsmith, which adds rigidity to the structure, but refers only to means created from a portion of element 91 for preventing longitudinal movement.

In the light of the foregoing conclusions, it seems clear that Goldsmith's element 91 supports the first controverted limitation and that element 92, which does not aid in the performance of any of the functions claimed for element 91, may properly be regarded as supporting the second controverted element of the count.

The decisions of the tribunals below are not very helpful upon this particular question. The record does not show that the exact question presented here was presented to the Primary Examiner or to the Board of Appeals. The Primary Examiner contented himself with holding that the involved count 3 was sufficiently disclosed in the Goldsmith structure, without considering the so-called question of double reading. The Examiner of Interferences had no occasion to rule on the question. The Board of Appeals stated:

* * * The count calls for "additional means located intermediate said base members and shaped and adapted to hold the lower ends of said upstanding studs against substantial longitudinal movement." In Fig. 14 of the Goldsmith application the horizontal flange on the lower end of the stud members is tucked under struck-up parts

92 of the base member. As stated in lines 12–14, page 9 of this application the next adjacent lug 92 can be bent up so as to lock the stud against longitudinal movement. Flanges or struck-up tongues from the horizontal flange at the bottom of the stud will lock the stud against sidewise movement. The only difference noted between the two structures is that the "additional means" set forth in the count is provided by tongues struck-up from the connecting means 91 of Goldsmith while in the Holdsworth patent two separate and distinct parts are used to perform this function * * *. It is believed, however, that the count is broad enough to read on both structures. It is not deemed necessary to refer to the other features of the count since it is clear that they read on the Goldsmith disclosure in the same way that they read on the Holdsworth construction.

[4] In view of our above conclusions and since it is not contended here that the Goldsmith structure is not sufficient to support the other elements of the count, it follows that the Board of Appeals did not err in affirming the decision of the Examiner of Interferences in awarding priority of the invention defined by the count to the party Goldsmith, and its decision so doing is affirmed. Appellee's motion to strike parts of appellant's brief is denied.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE ROBERTSON

No. 4,602. Decided April 27, 1942

[127 F.(2d) 304]

PATENTABILITY—RUBBER VALVE STEM.

Certain claims to a rubber valve stem *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Messrs. Kwis, Hudson & Kent for Robertson.

Mr. W. W. Cochran (*Mr. Clarence W. Moore* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

After allowing four claims in appellant's application for a patent relating to a valve stem assembly for an inflatable rubber inner tube, the Primary Examiner of the United States Patent Office rejected the remaining claims, numbered 40, 41, 42, and 43. Upon appeal to the Board of Appeals, the decision of the Examiner was affirmed. Appellant has appealed here from said decision of the Board.

Claim 40 is illustrative of the involved subject matter and reads:

40. A valve stem for an inner tube for a pneumatic tire, said valve stem comprising a tubular rubber body and a relatively rigid tubular valve-part-receiving insert in said body, said insert having a projecting end of smaller diameter than the base end of said rubber body, said insert being of such size and form and being so fitted and secured by a bore engagement in the body as to preserve the external conformation of the body, said body having a continuous unconfined surface compressible throughout its length including the portion inclosing said insert.

The references relied upon are: MacSpadden, 568,362; September 29, 1896; Robuck, 633,106, September 12, 1899; Griffin, 1,460,753, July 3, 1923; Adams, 1,660,902, February 28, 1928.

The invention disclosed in appellant's application relates to a valve stem for an inner tube for use with a pneumatic tire. His application discloses a flexible hose-like rubber valve stem reinforced with rubberized fabric. The reinforcement prevents distortion of the stem but allows it to be easily bent in any direction. A metal valve is secured to the outer end of the valve stem and is provided with integral locking flanges which engage the fabric and serve to hold the valve in place. In appellant's drawing the valve stem is shown in bent form and passing through openings in the rim and wheel. The decision of the Board so clearly states the issues, most of appellant's contentions, and aptly applies the references to the various claims that it seems proper to quote extensively therefrom. In part it said (drawing numerals omitted):

The description in the original specification states on page 5:

The rim is mounted as shown on a wheel through the agency of a metal felloe which has an opening in its sidewall to permit the valve stem to protrude therethrough.

When the tire and tube are placed on the rim, the valve stem will be in a straight position or it may be bent at will to any position to assist in placing the tube and tire on the rim.

The flexible stem can be bent to cooperate with a plurality of types of wheels and rims as is apparent.

The Examiner has rejected all the claims as being unpatentable over Adams. In this patent is shown a valve stem made of flexible rubber reinforced by flexible fabric. A valve is inserted into the outer end of the stem and is held in place by means of screw threads and cement. A metallic ferrule is applied to the outer end of the stem and serves to effectively secure the valve within the valve stem. The description states that a ferrule is "preferably" applied, this indicating that the ferrule might be omitted.

Applicant objects to the Adams patent mainly on account of the presence of the ferrule which he argues will catch in the hole of the rim when the tire creeps about the rim after being deflated. He states that this will pull the valve stem from the tire. He also objects to the reference because the valve cap is of a diameter larger than the valve stem and argues that it will also catch in the hole in the rim.

As pointed out above the patentee inferentially indicates that the ferrule may be omitted. Even though present it is shown to be so thin and to be pressed into the rubber stem that it could not catch in the hole in the rim. The hole in the rim is shown to be quite large and will readily permit the stem and ferrule to pass. The cap also would evidently not catch in the hole any more than in applicant's device.

The Examiner has pointed out that this feature of construction of the parts whereby it permits the valve stem to be readily pulled through the hole in the rim was not mentioned in the application as originally filed. No dimensions of the parts were given. The only disclosure of any dimensions is in the drawing and it is not indicated that the drawing is made to scale. Applicant's only argument on this point is that the operation is inherent from what is shown in the drawing. If that is the only basis on which to predicate patentability, it is equally justifiable to consider the inherent operation of the structure shown in the drawings of the references. In the Adams patent the opening in the rim is relatively larger than in applicant's drawing. It appears that the valve stem and cap would more readily pass through this opening during the creeping of the inner tube than in applicant's device. This would be true whether the ferrule be present or absent as suggested by the patent. It is our view that the Adams patent is sufficient to meet the claims before us.

Claims 40 and 41 also stand rejected on Griffin. Applicant objects to this reference because the wires are present. He alleges that they will catch in the opening of the rim. These wires are of small diameter and will be pressed into the rubber to such an extent that they will not obstruct the passage of the valve stem through the opening in the rim to any extent. Furthermore, the opening in the rim is shown to be of such a large size that it would not be possible for the wires to catch in it. We think that these claims are not patentable over Griffin.

Claims 40, 41, and 42 also stand rejected on MacSpadden. Applicant objects to this reference because it shows a cap having a flange of larger diameter than the valve stem. The drawing shows the flange slightly larger than the diameter of the valve stem but we do not think that it would obstruct the passage of the valve stem through an opening in a wheel rim. The patent gives as much information about the specific dimensions of the cap as does applicant's specification. We think that this patent is a pertinent reference for these claims.

During the prosecution, applicant has filed an affidavit setting forth that he made a test of his device prior to the filing of the application. Applicant cannot modify the original disclosure by referring to this affidavit. The original disclosure itself must be considered in determining what was originally shown and described. When so considered we find substantially no more in it than we find in the references cited.

Appellant in this court has outlined the issues to be decided and has earnestly urged that the holdings of the Board are erroneous, especially with respect to its attitude toward affidavits referred to in its decision relating to certain inherent functions of certain features of the reference patents and applicant's disclosure. He states the issue as follows:

There are two questions to be decided. The first is, is the function of the valve stem pulling through the opening in the felloe and in the rim of the wheel inherent in applicant's construction? The second question is whether there is "inherent" in the construction and assembly the function of the valve stem pulling through the opening in the rim structure, in the case of the MacSpadden and Robuck bicycle tires, and also whether, in the Griffin and Adams patent, the construction there delineated is such that inherently there will be a drawing in of the stem into the casing upon a diminution of pressure in the inner tube?

The allowed claims define certain specific features of appellant's invention, while the rejected claims are broadly drawn to cover a vulcanized stem assembly which he describes in his application as comprising the assembly united to an unvulcanized inner tube by vulcanization or to a vulcanized inner tube by rubber cement. Appellant employs rubberized reinforcing patches underlying a comparatively thick pad of rubber stock, which overlies the base of the assembly.

Appellant's specification, as filed on October 3, 1929, points out that his device was intended to take the place of the old bent metal valve stem, to which there were several objections, among them being difficulty of insertion in the rim and felloe and its lack of adaptability for use on different kinds of rims or wheels. Nothing was said in the application as originally filed concerning the "creeping" tendency of inner tubes, which action, when metal valve stems were employed, brought about damage to the tubes, nor did appellant therein mention the fact that his flexible structure would permit the stem to be pulled through the opening in the rim and thus avoid the stated injury. Appellant's chief contention here is that he has solved the problem arising from "creeping" and that his application shows that it is inherent in his device that the valve stem will, when the tube creeps, pass through the opening in the rim and thus avoid injury to the tube stem connection, and that it is equally inherent in the reference dsclosures that this action will not take place.

The Board pointed out the features of appellant's application emphasized by the applicant and commented on the fact that no dimensions of the parts were given in the application and that the only possible disclosure of dimensions of the parts which appellant contends solved the creeping problem, could be observed from the drawing. On this phase of the case the Board stated, correctly, we think:

If that is the only basis on which to predicate patentability, it is equally justifiable to consider the inherent operation of the structure shown in the drawings of the references. In the Adams patent the opening in the rim is relatively larger than in applicant's drawing. It appears that the valve stem and cap would more readily pass through this opening during the creeping of the inner tube than in applicant's device.

We have given careful consideration to all appellant's arguments, most of which have been clearly and correctly answered by the Board in the above quoted part of its decision, and we agree with the Board that all the claims on appeal here were properly rejected by the Examiner as unpatentable over the Adams patent, and it is not necessary for us to consider any other reference.

Appellant stresses the fact that in the Adams drawing a metallic ferrule is shown, and the specification states that it is clinched to the stem for the purpose of more effectively holding the valve body within the stem. Appellant admits that the opening is shown to be larger in diameter than the diameter of the valve stem. He points out that the ferrule was supplied without any consideration of whether the stem would or would not slip through the opening in the rim and also calls attention to the fact that "the mounting of the tire is not completely shown." Adams states that a metallic ferrule is preferably applied to the end of the stem. As before stated, neither in the Adams patent nor in applicant's original specification is there any suggestion that it is desirable to have the stem slip through the rim and wheel structure.

Adams shows a tapered rubber stem, the base of which is vulcanized to the inner tube. The other end of the stem contains a threaded metal insert. The Adams stem can be bent for application to a rim and wheel in the same manner as can appellant's. Adams' stem is tapered and obviously will clear the hole on the rim, which is larger than the outer end of the stem. It seems to us that the Adams device will function in the same manner as the device of appellant was stated to function in his application.

Certain affidavits relating to the question of inherency, with regard to appellant's disclosure and the disclosures of the references, were filed by appellant. The Board, after being petitioned to reconsider its decision, used the following pertinent language:

Applicant is again pointing out [in the affidavits] certain inherent functions which he alleges are present in his device and not described in the references. The main difficulty with this argument is that the references are as informative as applicant's original specification in regard to such functions. If the functions are inherent in applicant's device, they are also inherent in the references.

Appellant filed certain reasons of appeal directed to the failure on the part of the Board to consider certain claims submitted by amendment. At the time of oral argument, appellant's counsel stated that he would not contest the correctness of the action of the Board in not considering said claims, and the question needs no consideration here.

Appellant argues that the prior art reference structures, so far as is known, never went into commercial use, and made no impression on the automobile tire art, whereas appellant's invention has gone into practically all valve constructions of his assignees, The Firestone Tire & Rubber Co. of Akron, Ohio, and that as far as he knows, every manufacturer of inner tubes for automobile passenger cars is using rubber valve stems. In case

of doubt as to patentability, commercial success, if properly and seasonably shown, may be taken into consideration. We have no doubts about the correctness of the conclusion of the Board on the question of patentability. We might add, in passing, that the instant record contains no proof of commercial success or extensive use by the manufacturers referred to in appellant's brief.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE PATTON

No. 4,637. Decided April 27, 1942. Petition for rehearing denied June 12, 1942

[127 F.(2d) 324]

1. DIVISION.

A requirement for division between claims to fire-extinguishing apparatus and a claim to electric outlets *Held* properly to have been made.

2. PATENTABILITY—PATENTABLE SUBJECT MATTER.

"A system of transacting business, apart from the means for carrying out such system, is not within the purview of section 4886, * * * nor is an abstract idea or theory, regardless of its importance or the ingenuity with which it was conceived, apart from the means for carrying such idea or theory into effect, patentable subject matter."

3. SAME—FIRE-FIGHTING APPARATUS.

Certain claims to fire-fighting apparatus *Held* unpatentable in view of the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Ross Cummings Patton pro se.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims, Nos. 1, 7, 8, 10, and 12, in appellant's application for a patent for an alleged invention relating to improvements in fire-fighting apparatus for use especially as mobile fleets of self-propelled and trailer fire-fighting units in "intracity, intrastate, interstate and national, fire protective system against aircraft attack."

Division was required between claim 10 and the other appealed claims. Appellant elected to prosecute appealed claims 1, 7, 8, and 12, claim 10 being retained in the case, however, for the purpose of challenging the requirement for division. Claims 1, 7, 8, and 12 were rejected for want of patentability in view of the prior art cited. Claim 12 was also rejected for the reason that, as stated by the Primary Examiner, it is "drawn to cover an aggregation of a fire fighting vehicle and an electric power supply outlet system."

The appealed claims read:

1. The combination, in a unified mobile, intracity, intrastate, interstate and national, fire protective system against aircraft attack, but suitable for general use; utilizing a conventional type self propelled chassis, electric motor driven pressure pump, combination chemical and service hose lines; also, an electric cable and reel with suitable end plug, for making connection to independent or interlocking, intracity, intrastate, interstate and national, electric power transmission supply lines.

7. The combination, in a fire protective system for national defense, against aircraft attack; of standardized, detachable, self propelled units and trailer units; utilizing the principle of mobile batteries or fleets, and extra trailers, adapted to function as a unit of the army.

8. In a fire protective system against aircraft attack; the combination, of a multiple-unit, self propelled and trailer apparatus, mounting an electric motor driven rotary or centrifugal pump; receiving energy from external source or junction boxes of conventional type; from independent or interlocking power transmission supply lines on the highway or underground; both the self propelled and trailer apparatus being equipped with separate and independent power pumps and hose lines; the trailers being also equipped with power driven winches.

10. In a fire protective system against aircraft attack or other catastrophe; the combination, an intracity, intrastate, interstate and national system of conventional type electric outlet or junction boxes, mounted on conventional type transmission poles, or in combination and integral with conventional type fire hydrants, for overhead or underground connection to independent or interlocking power transmission supply lines.

12. In a comprehensive, national defense, protective fire system against aircraft attack or other catastrophe; the combination, of independent cruising or mobile fleets of self propelled and trailer fire fighting units; strategically and geographically located in stations or barracks, to admit of rapid shift and concentration upon bombed cities or establishments; a national system of uniform electric power supply outlets or junction boxes of conventional design, for delivery of electric energy of a uniform potential or voltage, to the electric driven rotary or centrifugal pumps mounted upon the self propelled and trailer units; a national system of interchangeable fire hose coupling and electric power connections, to interchange with existing apparatus; a complete, independent auxiliary fire protection system for the national defense, with radio equipped units, adapted to function as a unit of the army in time of war.

The references are: Cox, 588,399, August 17, 1897; Whiting, 632,665, September 5, 1889; Whitlock et al., 670,943, April 2, 1901; Eisenbise, 846,835, March 12, 1907; Farrand, 1,081,224, December 9, 1913; House, 1,357,982, November 9, 1920; House, 1,427,899, September 5, 1922; Fletcher, 1,490,373, April 15, 1924; Rumble, 1,637,090, July 26, 1927.

Claims 1, 7, 8, and 12 were rejected by the Patent Office tribunals on the patents to Whitlock et al., Eisenbise, and House (No. 1,357,982). The other references were cited, according to the Primary Examiner's statement to the Board of Appeals,

"for the purpose of showing the line of division as indicated by office classification between the distinct and separate inventions claimed in the case,"

that is, the separate classification of the fire extinguishing apparatus defined in claims 1, 7, 8, and 12 on the one hand, and the electric outlets for an electrical distribution system (defined in claim 10) on the other.

[1] It appearing from the record that the subject matter of claim 10 is separately classified in the Patent Office from that of appealed claims 1, 7, 8, and 12, and as there is no such dependent relationship existing between the subject matter defined in claim 10 and that defined in the other appealed claims as to warrant the inclusion of the subject matter of claim 10 in the same application with the subject matter defined in the other appealed claims, as held by the tribunals of the Patent Office, the requirement for division was proper. See *In re Ferenci*, 23 C. C. P. A. (Patents) 1023, 83 F.(2d) 279; *In re Shoemaker*, 23 C. C. P. A. (Patents) 1033, 83 F.(2d) 288; *In re Burns*, 23 C. C. P. A. (Patents) 1091, 83 F.(2d) 292; *In re Goerke et al.*, 23 C. C. P. A. (Patents) 1093, 83 F.(2d) 294.

The patent to Whitlock et al. relates to a combined electric fire-engine and hose-carriage designed to be drawn by horses, and discloses an electrically driven pump, an electric motor for driving the pump, means for carrying fire-hose, and a reel upon which an electric cable is wound. The patent also discloses outlet boxes (into which the electric cable is designed to be plugged) mounted on poles. The electric current is supplied by overhead wires. Although the patentee makes no mention of the fact that his combination is adapted to be used as a trailer, the Board of Appeals, in its decision, and the Solicitor for the Patent Office, in his brief, state that the patentee's vehicle is adapted to be so used.

The patent to Eisenbise relates to improvements in "automobile fire apparatus", and discloses fire-fighting apparatus mounted on an automobile chassis and an

"automobile hose-wagon detachably coupled"

to such chassis. The hose-wagon is designed to carry fire-hose which, according to the patentee, is

"permanently connected to the effluent nozzle of the engine-hose, the purpose being to deliver both vehicles at their destination at the same time, and then by uncoupling the hose-wagon from the engine-vehicle the wagon can proceed to position independently of the engine and play out the hose as it progresses."

The power-driven hose-wagon, according to the patentee's disclosure, is detachably coupled to the front end of the power-driven fire-engine.

With reference to that patent, the Primary Examiner stated that it discloses broadly a self-propelled fire truck having conventional fire-fighting equipment and detachably connected to the front thereof an auxiliary truck to carry the fire-hose and additional fire-fighting equipment.

The patent to House (No. 1,357,982) relates to "motor fire engines," and discloses an automobile truck on which is mounted a chemical tank for holding chemical fire extinguishing liquid, a mechanically driven water pump, and other fire-fighting apparatus. The patentee also provides the necessary connections between the water pump and the chemical tank and chemical hose for flushing the chemical tank and chemical hose with water. With reference to such connections, the Primary Examiner stated that the patentee's pump

"is adapted either to pump the chemical fire extinguishing liquid from the tank * * * onto a fire or to pump water from an external source to its discharge conduit."

The Board's interpretation of that feature of the patentee's disclosure was that provision had been made for utilizing the pump "for alternatively distributing the chemical fluid or water from some suitable source of supply."

Claim 1 was rejected by the Primary Examiner on the patent to House (No. 1,357,982) in view of the disclosure in the patent to Whitlock et al.

In his statement to the Board of Appeals, the Examiner stated that claim 1

"recites nothing more in structure than a fire truck having a pressure pump [electrically driven], hose lines, an electric cable with an end plug and a reel for the cable,"

and that no invention was involved in substituting the electrically driven pump and the equipment necessary to drive it, disclosed in the patent to Whitlock et al., for the mechanically driven pump disclosed in the patent to House.

Claim 7 was rejected by the Primary Examiner on the ground that it defined nothing more than a fire truck and detachable trailer units, disclosed in the patent to Eisenbise, the Examiner being of opinion that it was a matter of choice as to what particular equipment should be carried by the trailer units. Claims 8 and 12 were rejected by the Examiner on the patents to Whitlock et al. and House (No. 1,357,982) in view of the patent to Eisenbise. Claim 12 was further rejected by the Examiner on the ground that it is "drawn to cover an aggregation of a fire fighting vehicle and an electric power supply outlet system." In this connection, the Examiner said:

It is not seen that the fire truck cooperates with the electric system so as to form a patentable combination for the reason that neither of these structures in its normal operation modifies the operation of the other, but merely acts to perform its normal function.

* * * * * * *

In response to the Examiner's rejection of the claims on their merits the appellant admits that certain of the electrical and mechanical apparatus which are incorporated in his device is conventional *but contends that he has invented a nationally operated system of fighting fires, that is, a system of fighting fires wherein the various parts of the fire fighting equipment are standardized and interchangeable. It is not believed that a fire fighting system, per se, is a proper subject matter of a patent, but that novelty must reside in the particular structure of the fire fighting apparatus that comprises the fire fighting system. Furthermore, there is not seen to be any invention in the assembling of standard and interchangeable parts in the applicant's device for the reason that in the present system of mass production most articles of manufacture are made of standard size and interchangeable to effect economy and convenience.* [Italics ours.]

In its original decision holding that claims 1, 7, 8, and 12 were not patentable in view of the disclosures in the patents to Whitlock et al., Eisenbise, and House (No. 1,357,982), the Board of Appeals stated that those claims were—

directed to a composite of apparatus and system which is in the nature of an aggregation, insofar as mechanism is concerned, combined with a system of procedure for which the patent laws make no provision. From an apparatus standpoint, the claims elected [appealed claims 1, 7, 8, and 12] include some form of transporting means; either a vehicle provided with power of its own or a trailer, either or both of which may carry a miscellaneous collection of fire-fighting apparatus. Neither vehicle is designed to furnish the pumping power required, but this is to be derived from a system of electrical distribution which may alternatively involve outlets supplied from an overhead system and carried by the poles which support the distribution line or outlets carried by hydrants and supplied with current from an underground system.

In reply to appellant's request for clarification of the statement in its original decision that the structure called for by the appealed claims was "combined with a system of procedure for which the patent laws make no provision," the Board stated that in a broad sense appellant's plan of combating fires, set forth in those claims, was in "the nature of a plan of doing business and not an 'art' within" section 4886 of the Revised Statutes, which provides for the granting of patents to those who have invented or discovered "any new and useful art, machine, manufacture, or composition of matter."

Claims 1, 7, 8, and 12 call for fire-fighting apparatus adapted to be used either locally or throughout the United States.

Appellant contended before the tribunals of the Patent Office and contends here that the appealed claims are patentable because they provide for a novel "interstate and national fire-fighting system to combat mass aircraft, incendiary-explosive bombing attack"; that such a system was "the essential aim" of appellant's alleged invention; that his

system has been utilized by the United States Government, the city of New York, and manufacturers unknown to appellant; and that it has practical application.

[2] In this connection it is sufficient to say that a system of transacting business, apart from the means for carrying out such system, is not within the purview of section 4886, supra, nor is an abstract idea or theory, regardless of its importance or the ingenuity with which it was conceived, apart from the means for carrying such idea or theory into effect, patentable subject matter. *In re Moeser*, 27 App. D. C. 307; *Hotel Security Checking Co.* v. *Lorraine Co.*, 160 Fed. 467; *Berardini* v. *Tocci*, 200 Fed. 1021; *In re Thomas J. Dixon*, 18 C. C. P. A. (Patents) 711, 44 F.(2d) 881. See also *In re McKee*, 20 C. C. P. A. (Patents) 1018, 64 F.(2d) 379, and *In re Lockert*, 20 C. C. P. A. (Patents) 1125, 65 F.(2d) 159. Accordingly, the question here presented is whether the structure defined in appealed claims 1, 7, 8, and 12, for carrying out appellant's fire-protective system against aircraft attack, involves invention in view of the disclosures in the patents to Whitlock et al., Eisenbise, and House (No. 1,357,982). *In re Crowell*, 23 C. C. P. A. (Patents) 1246, 84 F.(2d) 206, and cases therein cited.

Claim 1 calls for a conventional type, self-propelled chassis, an electric motor pressure pump, "combination chemical and service hose lines," and an electric cable and reel. All of the elements called for by this claim, with the possible exception of the element "combination chemical and service hose lines," are disclosed in the patents to Whitlock et al. and House (No. 1,357,982), and, so far as those elements are concerned, we are in full accord with the statement of the Primary Examiner that it would not involve invention to substitute the electrically driven pump and the equipment necessary to drive it, disclosed in the patent to Whitlock et al., for the mechanically driven pump disclosed in the patent to House.

Relative to the element "combination chemical and service hose lines," appellant stated in his brief before the Board of Appeals, and has reiterated the statement here, that neither the pump disclosed by him nor the pump disclosed in the patent to House was designed to pump chemicals onto the fire, and that the statement in the Board's original decision that the pump disclosed in the House patent was designed to be utilized for "alternatively distributing the chemical fluid or water from some suitable source of supply" is not in accordance with the House disclosure.

Appellant states in his application that the chemical tank in his fire-fighting apparatus is provided with a separate hose line, and that by a suitable arrangement of pipes and valves the chemical hose line may be either connected to the chemical tank or to the discharge side or intake side of the water pump. Claim 1 does not call for any such pipe and valve arrangement, and we are not permitted to read such a limitation into it. *In re Buckwalter*, 22 C. C. P. A. (Patents) 1031, 75 F.(2d) 515; *In re Crowell*, supra.

Furthermore, although the patentee House provides pipe and valve connections between his pump and chemical tank for the purpose of using water to flush them and although nothing is said in his patent about using his chemical hose for a combination chemical and service hose, it is obvious that it could be so used, although the utility of such use is doubtful.

Owing to the fact that we are here concerned with structure, not function, mode of operation or results, we are unable to hold that the element "combination chemical and service hose lines" lends patentability to claim 1.

Claim 7, as hereinbefore noted, was rejected by the Primary Examiner on the ground that it calls for nothing more than a fire truck and detachable trailer units, disclosed in the patent to Eisenbise, and claims 8 and 12 were rejected by the Examiner on the patents to Whitlock et al. and House (No. 1,357,982) in view of the patent to Eisenbise.

As hereinbefore noted, the patent to Eisenbise discloses, among other things, fire-fighting apparatus mounted on an automobile truck, and an automobile hose-wagon detachably coupled to the front end of, and propelled by, such truck. Obviously, either of those vehicles could be equipped to carry any fire-fighting apparatus. Although, strictly speaking, the patentee does not disclose a trailer, that is, a vehicle which is in the rear of, and is pulled by, another vehicle, his disclosure is sufficient, we think, to suggest to one skilled in the art (if any suggestion was necessary at the time—September 20, 1938—appellant filed his application) that a trailer might have utility as one of the units in fire-fighting equipment.

[3] We have given careful consideration to the arguments presented here by appellant, but are unable to hold that the appealed claims define patentable subject matter over the references of record.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE UBBELOHDE

No. 4,597. Decided May 4, 1942

[128 F.(2d) 453]

PATENTABILITY—PROCESS FOR PRODUCING CELLULOSIC FILAMENTS.

Certain claims to a process for the production of cellulosic filaments containing resins *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Clarence M. Fisher, for Ubbelohde

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Primary Examiner rejecting

claims 40 to 43, and 46 to 49, both inclusive, of appellant's application for a patent.

The grounds of rejection are hereinafter stated.

Two claims, Nos. 33 and 35, have been allowed.

Claim 40 is illustrative of the subject matter involved in the rejected claims and reads as follows:

40. In a method of producing a product of cellulose the improvement which comprises dissolving in an alkaline aqueous solution of a cellulosic compound a mixture of resin-forming substances, said mixture being partially condensed but soluble in the alkaline solution, regenerating the cellulose in a spinning operation, and further condensing the partially condensed resin-forming substance within the cellulose into a solid resin which is insoluble in the spinning solution.

The references cited are: Bronnert, 1,374,718, April 12, 1921; Speitel (French), 707,516, April 14, 1931.

Appellant's claimed invention here involved is described in the statement of the Examiner as follows:

The subject matter sought to be protected is a process for the production of filaments containing resins. A resin in its soluble state or a mixture of compounds capable of forming a resin is added to a viscose solution. The solution is then precipitated in the form of a thread which will contain a certain amount of the resin-forming materials. The thread is then treated to further condense the resin.

According to the disclosure, the resin-forming materials may be those which form a resin either by condensing or by polymerizing.

All of the claims were rejected as involving no invention over the prior art, and also as being drawn to species which appellant has elected not to claim in his application before us. Claims 42 and 43 were further rejected as alternative.

The patent to Bronnert discloses the adding of various condensation products of phenols and aldehydes, soluble in alkali, to a viscose solution, which is then spun into threads and treated in an acid reacting bath having a temperature of 70° C.

The patent to Speitel discloses the adding of formaldehyde and phenols to a viscose solution prior to spinning. The patent states:

* * * The formaldehyde may be incorporated either in the viscose solution or in the coagulation or precipitation bath or even in both at the same time.

* * * * * * *

However we can increase the doses of formaldehyde up to 10% and even higher which makes it possible, furthermore, to carry out the most divers condensations and to incorporate foreign substances in the viscose or in the coagulated or precipitated product. In this way we may use as suitable substances proteic materials of any origin (casein, glutin, fibroin, etc.) but likewise phenols, thiophenols, oxycarboxylic acids or any other material which, under operating conditions, can pass into the insoluble state or give rise to condensation products insoluble in water or at least only soluble with difficulty therein or in dilute sulfuric acid. These new compounds may of course be subjected to any subsequent treatments for the purpose of changing their nature or their properties, for example to tanning or to some other process. The additional substances mentioned above may, depending on their nature, be incorporated either in the viscose solution or in the coagulation bath.

If we add to a viscose solution, for example, an aqueous solution of 10% casein (10% calculated on the basis of dissolved cellulose) and if we spin this mixture in a sulfuric acid which contains, for example, simultaneously 75% of monohydrate and for example 1.5% of formaldehyde or substances capable of forming or yielding, under the conditions prevailing during the operation, formaldehyde, we obtain, spinning for instance at 13° C. and maintaining a length of coagulation of 2 m. for instance and a speed of winding of 80 meters per minute threads which, washed in water, desulfurized, bleached, have a silky appearance and feeling as well as a firmness under traction of 1.9 to 2.3 gr. per denier. These threads show an excellent affinity for basic and acid dyes, an affinity which approaches that of animal fibers.

The Primary Examiner rejected all of the claims as unpatentable over the patent to Bronnert and also as unpatentable over Bronnert in view of the patent to Speitel. His statement on appeal contains the following:

Claims 40–43 and 46–49 stand rejected as no invention over Bronnert in view of Speitel. The acid bath of Bronnert at 70° C. will further condense the resin of Bronnert to some extent and to carry this process still further and use and after treating process to further change the properties of the resin involves no invention in view of Speitel. It is believed that further condensing a partially condensed resin is the most obvious, if not the only way, of changing it. Whether the resin of Bronnert is hardened by condensation or polymerization is considered immaterial as far as the combination process is concerned.

He also rejected claims 41, 46, 47, and 48, upon the ground of being drawn to a species which appellant has elected not to claim in the instant application.

Claims 42 and 43 were rejected by the Examiner as being alternative and indefinite.

With respect to claims 40 and 49 the Examiner stated:

Claims 40 and 49 are not generic to claims 33 and 35 (which have been allowed) and claims 46–48 because 40 and 49 call for the addition of a partially condensed resin which excludes claims 33 and 35.

The Board of Appeals held that claims 40 to 43, inclusive, and claims 46, 47, and 48 do not state any invention over the patent to Bronnert, and further held that none of the claims is patentable over the patent to Speitel, stating that "applicant has not modified the Speitel process in any degree not obvious to those skilled in the art."

The Board also held that all of the claims are unpatentable on the ground that appellant has elected the species of the allowed claims, and that the rejected claims are of a different species than the allowed claims.

Upon the question of patentability of the involved claims over the prior art, appellant makes two principal contentions:

1. That all of the claims require the resinous starting material to be partially condensed or polymerized, and that such starting material is not disclosed in either of the references.

2. That the claims require that the resin forming mixture be further condensed in the formed product to a solid, insoluble state, and that this step is not shown in either of the references.

With respect to the first contention above stated, the patent to Bronnert states:

A process for spinning very fine threads from viscose solutions has been proposed, in which spinning baths containing aldehyde bisulfites or the reduction products thereof, ketone bisulfites or soluble condensation products of phenols with aldehydes and sodium-sulfites are employed.

Now it has been found that instead of adding these water soluble combinations to the spinning bath, it is preferable and more economical to add the various condensation products of phenols and aldehydes soluble in alkali, to the viscose itself, preferably prior to the ripening process, and to force the suitably ripened mixture into bisulfite baths for example.

Example

10 kg. artificial resin produced from phenol and formaldehyde are dissolved in about 3.6 kg. caustic soda and 43 kg. water and then 1000 kg. freshly prepared raw viscose are added. * * *

It will be noted that the patent refers to "condensation products" which are added to the viscose. As observed in the brief of the Solicitor for the Patent Office, the term "condensation products" soluble in alkali clearly means that

"they must be at least partially condensed and, since they are soluble, the condensation must be only partial, * * * ."

We think the Bronnert patent clearly refers to the resinous starting material as being partially condensed.

The patent to Speitel does not disclose a mixture of resin forming substances, partially condensed. This the Board of Appeals admitted, but with respect thereto stated as follows:

Applicant objects to the disclosure of Speitel on the ground that Speitel does not add partial condensation products to the viscose but only substances which are capable of forming condensation products. It is clear from applicant's Example No. 1 that the use of partial condensation products is only a matter of choice and that when the process is broadly stated, it is, as to the feature of partial condensation products, substantially the same as the Speitel process. In any event, the addition of a partial condensation product to the viscose of Speitel would be obvious to those skilled in the art.

In the example given in appellant's application it is stated that the mixture of formaldehyde and phenol "*may* be partially condensed before addition to the spinning solution, * * * ." [Italics ours.]

Appellant's application also states:

* * * The partial condensation of the phenol-formaldehyde before its addition is not absolutely necessary but will reduce the time necessary for the condensation of an insoluble substance and the mixture partially condensed will form bigger molecules during and after the forming and the aftertreatment of the products. * * *

We cannot say that the Board erred in holding that the addition of a partial condensation product to the viscose of Speitel would be obvious to those skilled in the art and it may be observed that the patent to Bronnert does add a partial condensation product to the viscose.

We therefore must hold that appellant's first contention is without merit.

With respect to appellant's second contention, that appellant's second step of condensation of the resin-forming mixture forming a product that is solid and insoluble in the spinning solution is not disclosed by the references, we would observe that the Examiner stated that the acid bath of Bronnert at 70° C. will further condense the resin to some extent.

However, we are unable to say that Bronnert suggests further condensation of his resin to a point where it becomes a solid, insoluble in the spinning mixture.

At this point we would note that appellant contends that the resins employed by Bronnert are soluble not only in the alkali solution, but also in the acid precipitation bath. We find nothing in that patent justifying such a holding.

The patent to Speitel states, as hereinbefore quoted, that his process results in condensation products that are insoluble in water, or at least only soluble with difficulty therein, or in dilute sulfuric acid. The patentee then adds that

"These new compounds may of course be subjected to any subsequent treatments for the purpose of changing their nature or their properties, for example to tanning or to some other process."

The Board of Appeals, in affirming the rejection of the claims in view of the patent to Speitel, stated:

There is also the objection that Speitel refers only generally to an after treatment. Applicant also refers in line 4, page 4 and line 5, page 5 of his specification to after treatment. He indicates that the hardening process is performed in the well known manner and we believe it to be obvious to any one skilled in the art that the Speitel product of lines 29 to 52, page 4, could be hardened and further condensed in the usual manner by heat. The temperatures employed by applicant are the usual ones employed in the art.

The question of what would be obvious to one skilled in the art before us involves the consideration of extremely technical matters; under these circumstances we would not be warranted in reversing the Patent Office tribunals unless we believe that those tribunals are manifestly wrong. This we cannot do upon the record before us. See *In re Wuertz et al.*, 27 C. C. P. A. (Patents) 1039, 110 F.(2d) 854.

Therefore we find no error in the holding of the Board of Appeals that the claims are not patentable over the art cited.

In view of this conclusion, we find it unnecessary to consider other grounds of rejection of the claims by the Examiner and the Board.

The decision appealed from, affirming the decision of the Examiner holding the claims unpatentable over the prior art, is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,471,347, W. B. Newkirk, Method of making grape sugar; 1,508,569, same, Grape sugar; 1,521,830, same, Manufacture of dextrose, D. C. Del., Doc. 654, *International Patents Development Co. et al.* v. *Penik & Ford, Ltd., Inc.* Claims 13, 14, 16, 21, and 24 of 1,471,347; claims 3 and 4 of 1,508,569 and claims 4, 10, 15, 17, 19, 20, and 29 of 1,521,830 held valid and infringed, injunction Nov. 22, 1941.

1,508,569. (See 1,471,347.) 1,521,830. (See 1,471,347.)

1,528,325. (See Re. 16,624.)

1,549,591, F. S. McCullough, Method of heat treating porcelain; 1,615,022, same, Method of applying earthen material to metal; 1,615,093, same, High vacuum space discharge device and gas accumulator therefor; 1,677,900, same, Method of de-gasifying radio tubes; 1,759,910, same, Circuits for thermionic tubes; 1,787,082, same, Vacuum tube making; 1,791,140, same, Thermionic tube; 1,806,109, same, Amplification of electrical currents; 1,819,783, same, Radio circuits employing alternating current radio tubes; 1,937,706, same, Seal for vitreous articles; 1,991,767, same, Thermionic tube; 2,093,567, same, Thermionic tube and the manufacture thereof, filed July 9, 1942, D. C. Del., Doc. 260, *L. M. Berghane* v. *R. C. A.*

1,552,326, P. J. Lunati, Lifting device for motor vehicles; 1,644,785, same, Vehicle turntable; 1,689,145, same, Turntable lift, D. C., N. D. Calif. (San Francisco), Doc. 21482–L, *Rotary Lift Co. et al.* v. *Oliver Johnson Machine Shop.* Consent judgment holding 1,689,145 valid and infringed; on Mar. 5, 1941, action was terminated as to 1,552,326 and 1,644,785 June 30, 1942.

1,557,535, G. H. Whittingham, Thermostatic device: 1,885,285, L. M. Persons, Heat motor; 1,889,613, same, Electric draft controller; 2,012,674, 1,983,314, R. M. Schultz, Heat motor; 2,176,254, G. R. Folds, Heat motor, filed June 23, 1942, D. C., E. D. Wis. (Milwaukee), Doc. 776, *Cook Electric Co.* v. *Perfex Corp.*

1,572,459, Archer & Edwards, Making castings of aluminum silicon alloys; 1,595,218, A. Pacz, Aluminum silicon alloy; 1,799,837; Archer & Kempf, Aluminum base alloy and piston made therefrom, D. C., N. D. Ohio, E. Div., Doc. E 5407, *Aluminum Co. of America* v. *Thompson Products, Inc.* Dismissed for want of equity June 13, 1942.

1,595,218. (See 1,572,459.) 1,615,022. (See 1,549,591.)

1,615,093. (See 1,549,591.) 1,644,785. (See 1,552,326.)

1,677,900. (See 1,549,591.)

1,678,634. (See Re. 19,445.)

1,689,145. (See 1,552,326.)

1,689,892, 1,732,661, F. B. Root, Wrinkling finish; Des. 88,001, same, Panel; 1,864,763, same, Ornamental finish; 1,896,594, 1,883,408, same, Wrinkle finish coating; 1,950,417, same, Wrinkle finish for flexible articles; 1,976,191, same, Wrinkle resin finish; 1,831,323, same, Ornamented article and process of making same; 1,936,913, 1,878,316, D. M. Phillippi, Enamel imitation leather finish; 1,991,527, 1,991,528, 1,969,164, K. Toll, Crinkled surface coatings; 1,980,309, A. M. Agnew, Coated fabric and method of making same; 2,037,331, Kittredge & Turner, Air drying imitation leather finish; 2,069,252, same, Enamel and varnish; 2,077,112, same, Imitation leather paper; 2,124,703, H. G. Kittredge, Imitation leather finish; 2,154,954, H. R. Moore, Method of producing a resin, (declaratory judgment), D. C. Del., Doc. 201, *Pontiac Varnish Co.* v. *New Wrinkle Inc.* Dismissed without prejudice June 29, 1942.

1,694,638, R. W. Borrowdale. Attachment for printing presses; 1,863,465, same, Automatic jogger, D. C., N. D. Ill., E. Div., Doc. 400, *Jogger Mfg. Corp.* v. *Multigraph Sales Agency.* Patents held valid Jan. 24, 1940. Mandate U. S. C. C. A. filed Oct. 29, 1941, reversed decree of district court.

1,732,661, F. B. Root, Wrinkling finish; 1,896,594, same, Wrinkle coating, D. C., W. D. N. Y., Doc. 188, *New Wrinkle, Inc.*, v. *J. Fritz.* Decree restraining defendant from infringement June 30, 1942.

1,732,661. (See 1,689.892.)

1,747,594. (See Re. 19,445.)

1,753,490, J. Whitmore, Dust collector or separator; 1,760,617, 1,759,382, same, Apparatus for separating and collecting dust. D. C. Del., Doc. E 1258, *American Blower Corp.* v. *Buell Engineering Co.* Dismissed without prejudice Feb. 28, 1941.

1,759,382. (See 1,753,490.) 1,759,910. (See 1,549,591.)

1,760,617. (See 1,753,490.)

1,771,829, C. L. Wagner, Apparatus for the recovery of chemicals and heat from waste liquors; 2,050,400, same, Method of recovery of heat and chemicals from waste products, D. C. Del., Doc. E 1266, *The Babcock & Wilcox Co.* v. *North Carolina Pulp Co.* Claim 1 of 1,771,829 and claims 3, 5, and 7 of 2,050,400 held valid and infringed, injunction Jan. 30, 1941.

1,787,082. (See 1,549,591.)

1,790,479. Lasker & Russell, Automatic selecting bar; Re. 20,746, Kurowski & Smith, Combined typewriting and card-perforating machine, D. C. Del., Doc. 1275, *Remington Rand, Inc.*, v. *Underwood Elliott Fisher Co.* Reissue held valid and infringed, Remington Rand, Inc. held owner of right, title interest in 1,790,479 June 3, 1941.

1,791.140. (See 1,549,591.) 1,799,837. (See 1,572,459.)

1,806,109. (See 1,549,591.) 1,819,783. (See 1,549,591.)

1,831,323. (See 1,689,892.) 1,863,465. (See 1,694,638.)

1,864,763. (See 1,689,892.) 1,878,316. (See 1,689,892.)

1,883.408. (See 1,689,892.) 1,885,285. (See 1,557,535.)

1,889,613. (See 1,557,535.)

1,892,426, 1,894,032, 1,919,690, R. L. Evans, Method of and means for permanently waving hair; 2,051,063. F. M. Winkel, Hair waving unit, D. C. Del., Doc. E 1238, *Zotos Corp.* v. *H. D. Lewis et al.* Dismissed without prejudice Mar. 11, 1941.

1,894,032. (See 1,892,426.)

1,896,594. (See 1,689,892 and 1,732,661.)

1,918,089. J. B. Durand, Manufacture of foundry molds; 1,918,090, same, Composition for foundry molds; 1,924,028, same, Manufacture of foundry molds, D. C. Del., Doc. E 1223, *J. B. Durand et al.* v. *Bethlehem Steel Co.* Dismissed Aug. 1, 1940.

1,918,090. (See 1,918,089.) 1,919,690. (See 1,892,426.)

1,924,028. (See 1,918,089.) 1,936,913. (See 1,689,892.)

1,937,706. (See 1,549,591.) 1,950,417. (See 1,689,892.)

1,969,164. (See 1,689,892.) 1,976,191. (See 1,689,892.)

1,980,309. (See 1,689,892.) 1,983,314. (See 1,557,535.)

1,989,487, F. H. McCormick, Doorcatch; 2,158,881, same, Range, D. C., S. D. Ohio, W. Div., Doc. 381, *Edison General Electric Appliance Co., Inc.*, v. *The Estate Stove Co.* Dismissed as to 1,989,487 July 3, 1942.

1,991,527. (See 1,689,892.) 1,991,528. (See 1,689,892.)

1,991,767. (See 1,549,591.) 2,012,674. (See 1,557,535.)

2,037,331. (See 1,689,892.) 2,050,400. (See 1,771,829.)

2,051,013, H. E. Schulse, Art of beverage conditioning and dispensing; 2,098,211, same, Art of brew cooling, filed June 10, 1942, D. C., S. D. N. Y., Doc. 18/279, *H. E. Schulse et al.* v. *P. S. & N. Foods, Inc., et al.*

2,051,063. (See 1,892,426.)

2,066,346, W. Greig, Manifold record supply packet; 2,120,161, H. Stevens, Unitary manifolding assembly, filed June 10, 1942, D. C., S. D. N. Y., Doc. 18/282, *American Sales Book Co.* v. *Acme Manifolding Co., Inc.*

2,069,252. (See 1,689,892.) 2,077,112. (See 1,689,892.)

2,093,567. (See 1,549,591.) 2,098,211. (See 2,051,013.)

2,120,161. (See 2,066,346.)

2,123,114, G. Looper, Tufting machine; 2,214,767, W. T. Kenner et al., Tufting attachment for sewing machines, filed July 14, 1942, D. C., N. D. Ga. (Rome), Doc. 410, *G. Looper* v. *Crown Chenille Mfg. Co.*

2,124,703. (See 1,689,892.)

2,139,613, W. E. Amberg, Method of making conical container; 2,139,614, same, Method and machine for making paper cups, D. C., N. D. Ill., E. Div., Doc. 972, *Dixie-Vortex Co.* v. *W. E. Amberg et al.* Consent decree dismissing complaint and counterclaim with prejudice Apr. 27, 1942.

2,139,614. (See 2,139,613.)

2,147,793, W. J. Kropp, Process of manufacturing packing and insulating material; 2,166,926, same, Packing, and insulating material, D. C. Kans. (Wichita), Doc. 1971, *Insul Wool Insulation Co.* v. *H. O. Turner.* Dismissed without prejudice (notice July 13, 1942).

2,139,614. (See 2,139,613.) 2,154,954. (See 1,689,892.)

2,156,251. (See 2,185,306.) 2,158,881. (See 1,989,487.)

2,166,926. (See 2,147,793.) 2,176,254. (See 1,557,535.)

2,185,306, Des. 126,629, M. J. Marks, Hat; 2,156.251, J. Carlson, Adjustable and washable lady's hat, filed May 25, 1942, D. C., S. D. N. Y., Doc. 18/225, *Bettina Hats, Inc.*, v. *Betmar Hats, Inc., et al.*

2,214,767. (See 2,123,114.)

Re. 16,624 (of 1,528,325), E. C. Gledhill, Grader, D. C., S. D. Ind. (Indianapolis), Doc. 315, *Rome Grader & Machinery Corp.* v. *J. D. Adams Mfg. Co.* Plaintiff barred by laches and is estopped to prosecute claim June 12, 1942.

Re. 19,445 (of 1,678,634), E. F. Chandler, Remote control system; 1,747,594, E. J. Panish, Valve control, D. C. Wis. (Milwaukee), Doc. 5325, *E. F. Chandler et al.* v. *Cutler-Hammer, Inc.* Bill dismissed for want of equity; claims 1 to 18 inclusive, 20, 21, and 30 to 34 inclusive of 1,747,594 held invalid, but remainder of defendant's counterclaim, dismissed for want of equity June 24, 1942.

Re. 20,746. (See 1,790,479.)

Des. 88,001. (See 1,689,892.)

Des. 120,467, C. M. Neuhardt, Dress, D. C., S. D. N. Y., Doc. 9/175, *Welby Dresses, Inc.*, v. *Epstein Garment Co., Inc.* Dismissed for lack of prosecution (notice June 8, 1942).

Des. 126,629. (See 2,185,306.)

Des. 131,049, Des. 131,050, R. Dannecker, Lace, D. C., S. D. N. Y., Doc. 18/82, *National Lace Mfg. Co., Inc.*, v. *Kaufman & Krieger, Inc.* Stipulation and order of discontinuance (notice June 24, 1942).

Des. 131,050. (See Des. 131,049.)

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,224,472, M. E. Chandler, Pressure fed carburetor, decided August 28, 1942, claims 9 and 11.

Pat. 2,178,085, D. A. Sprigings, Closure cap, decided July 22, 1942, claims 2 and 5.

Trade-Mark Registrations Canceled

77,283. Wheat flour. Arkadelphia Milling Company, Arkadelphia, Ark. Registered March 29, 1910. Canceled September 2, 1942.

255,057. Underwear. Bascom Beshong Company, Inc., Malden, Mass. Registered April 9, 1929. Canceled September 2, 1942.

282,965. Shirts, etc. Liondale Shirt Co. Inc., New York, N. Y. Registered May 5, 1931. Canceled September 2, 1942.

304,411. Whisky. Macleay Duff & Co., Glasgow, Scotland. Registered July 4, 1933. Canceled September 2, 1942.

351,967. Scotch whisky. Macleay Duff (Distillers) Limited, Glasgow, Scotland. Registered November 16, 1937. Canceled September 2, 1942.

357,713. Tooth paste, etc. McKesson & Robbins, Incorporated, Fairfield, Conn. Registered June 14, 1938. Canceled September 2, 1942.

378,215. Men's shirts. The Londontone Co., Oklahoma City, Okla. Registered May 28, 1940. Canceled September 2, 1942.

384,324. Uniforms. Marine Exchange, New Orleans, La. Registered January 14, 1941. Canceled September 2, 1942.

384,999. Cotton piece goods. Fruit Of The Loom, Inc., Providence, R. I. Registered February 11, 1941. Canceled September 2, 1942.

Interference Notices

U. S. PATENT OFFICE, *Richmond, Va., Aug. 24, 1942.*

Clifford W. Pfluger, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Jack's, 122 West Franklin St., Baltimore, Md., for registration of a trade-mark and trade-mark registered June 20, 1933, No. 304,045, to Clifford W. Pfluger, 609 West 158th St., New York, N. Y., and the notice of such proceeding sent by registered mail to said Pfluger at the said address and reforwarded to him at 1218 University Ave., New York, N. Y., having been returned by the post office undeliverable, notice is hereby given that unless said Clifford W. Pfluger, his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Aug. 28, 1942.*

Bake-Rite Oven Mfg. Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Wilson & Co., Inc., 4100 South Ashland Avenue, Chicago, Illinois, for registration of a trade-mark and trade-mark registered September 26, 1922, No. 159,269, to Bake-Rite Oven Mfg. Co., 603–605 Hearst Building, San Francisco, California, and the notice of such proceeding sent by registered mail to said Bake-Rite Oven Mfg. Co. at the said address and reforwarded to it at Reno, Nevada, having been returned by the post office undeliverable, notice is hereby given that unless said Bake-Rite Oven Mfg. Co., its assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING AUGUST, 1942

M. O. BEST *v.* GEORGE G. SMITH, Cancellation No. 3692.

In a decision rendered August 1, 1942 (163 Ms. Dec. 1031, 54 U. S. P. Q. 332), *Assistant Commissioner Van Arsdale* denied a petition for reconsideration brought by M. O. Best, of Phoenix, Ariz. Best had applied for cancellation of a registration issued to George G. Smith, of Avondale, Colo., and the Assistant Commissioner had dismissed his petition on June 18, 1942 (540 O. G. 714, 54 U. S. P. Q. 28).

In his decision upon the petition for reconsideration, the Assistant Commissioner said:

"The petitioner herein petitions for reconsideration of the decision of June 18, 1942, asserting that in said decision due consideration was not given to the fact that petitioner's surname is 'Best' and therefore petitioner's mark, which petitioner asserts is dominated by the word 'Best', is not merely descriptive but has the significance of indicating petitioner himself. However, if petitioner's mark does carry the significance petitioner urges for it then the dissimilarity between petitioner's mark and registrant's mark would be increased because registrant's mark lacks entirely any such suggestion of a surname.

"Reconsideration has been accorded but the previous decision is believed correct and is adhered to."

EX PARTE ROCK-OLA MANUFACTURING CORPORATION, Serial No. 430,800.

In a decision rendered August 3, 1942 (163 Ms. Dec. 1031, 54 U. S. P. Q. 334), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in refusing registration to Rock-Ola Manufacturing Corporation, of Chicago, Ill., of the mark "Dial-a-Tune" for remote control apparatus for phonographs. As stated by the Assistant Commissioner,

"The Examiner held the mark describes the method of operating the control apparatus and therefore to be merely descriptive of the goods."

In agreeing with the Examiner, the Assistant Commissioner stated:

"From the instructions on the labels filed with the application and from applicant's brief it appears that to put the control apparatus into operation a person inserts a nickel in a coin slot of the apparatus and then sets a dial of the apparatus to a selected number corresponding to the tune he wishes to have the phonograph play. Obviously, when the person dials the number he dials the record selected by that operation and dials the particular tune the record will reproduce when played.

"To my mind the mark is merely descriptive of the means and system of setting the control apparatus to select a tune to be played. *Ex parte Robert E. Miller, Inc.*, 260 O. G. 733, 1919 C. D. 31. *Ex parte Standard Oil Company of New Jersey*, 151 Ms. D. 985, 1 U. S. P. Q. 240."

LEONARD JAMES COMPANY *v.* MCKESSON & ROBBINS, INCORPORATED, Cancellation No. 3448.

On June 15, 1942, the Court of Customs and Patent Appeals rendered a decision (54 U. S. P. Q. 207) affirming the decision of *First Assistant Commissioner Frazer* (527 O. G. 852, 49 U. S. P. Q. 567), dated May 16, 1941, which in turn affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the petition of Leonard James Company, of San Saba, Tex., for cancellation of a trade-mark registration of the word "Brace," issued to McKesson & Robbins, Incorporated, of Fairfield, Conn., for "tooth paste, hair and scalp preparations, powders and talcs for the face and skin, lotions for the skin and face, sunburn lotions and preparations, including antiseptic oils for sunburn."

McKesson & Robbins, Incorporated, presented what the First Assistant Commissioner termed a "so-called disclaimer," directed "to that part of said registration" naming other products than hair and scalp preparations. Both parties petitioned that such disclaimer be entered, and that the certificate of registration be canceled only with respect to the disclaimed items.

In a decision rendered August 3, 1942 (163 Ms. Dec. 1032, 54 U. S. P. Q. 333), *First Assistant Commissioner Frazer* denied this petition. In this decision the First Assistant Commissioner stated:

"In the view I take of the case it is unnecessary to determine whether or not the Patent Office has authority, under any circumstances, to amend a certificate of registration, or to effect its partial cancelation.

"In its decision the court said:

"'The first question to be determined * * * is whether the goods to which the marks of the parties are applied possess the same descriptive properties. Upon this question we are in agreement with the view of the Commissioner that, in part at least, the goods named in appellant's registration are of the same descriptive properties as those to which appellee's mark is applied. That "antiseptic oils for sunburn," for example, one of the products named in appellant's certificate of registration, are of the same descriptive properties as a liniment for human use, is so clear that further discussion upon this point is unnecessary.'

"The parties apparently construe this language, and similar language used in my decision, to indicate a ruling that hair and scalp preparations differ as to descriptive properties from a liniment for human use. I do not think the court intended to be so understood, and I am sure that I did not.

"McKesson & Robbins, Incorporated, took no testimony in the cancelation proceeding; and there is nothing in the record to disclose the exact nature of its hair and scalp preparations, except the labels filed with its application for registration. On these labels occurs the notation: 'Brace Tonic and Dressing for the Hair Removes Dandruff.'

"It is a matter of common knowledge that hair tonics and liniments are similarly packaged, and are sold in the same stores to the same class of purchasers, who apply them in similar fashion to different parts of the body for their tonic effect. That the sale of these two items under closely similar trade-marks would be likely to confuse the public as to origin seems to me almost inevitable; and that the goods are of the same descriptive properties I entertain no doubt.

"From what has been said it follows that, in my opinion, the elimination from the registration in question of all goods other than hair and scalp preparations would in nowise affect the finality of the court's adjudication."

EX PARTE FITZPATRICK BROS., INC., Serial No. 446,996.

In a decision rendered August 4, 1942 (163 Ms. Dec. 1034, 54 U. S. P. Q. 335), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in refusing registration to Fitzpatrick Bros., Inc., of Chicago, Ill., of the mark "Antiseption" for soap compositions and cleansing and scouring preparations for household use.

The Examiner refused registration of said mark on the ground that the mark is merely descriptive

of the goods named in the application. In agreeing with this position of the Examiner, the Assistant Commissioner said:

"The Examiner noted that one dictionary states that in medical terms the word 'antiseption' means 'antisepsis' and the latter word means 'The process of inhibiting the growth and multiplication of micro-organisms; the prevention of sepsis by antiseptic means' and then held that since it was common to compound household soaps so as to be antiseptic and thereby to prevent sepsis, the word 'antiseption' was merely descriptive of that kind of soap and therefore not registrable for such product.

"Certainly antiseptic soaps are included within the definition of the goods to which the application states the mark is applied and it would seem that at least doctors and others familiar with medical terms would be likely to consider the word 'antiseption' to mean 'antisepsis', as stated in the dictionary, and thus, when applied to soap, to mean that the soap was capable of preventing sepsis by antiseptic means. Such meaning of the word 'antiseption' when applied to soap would be merely descriptive of that character and quality of the soap. It is sufficient if the word is likely to be so understood by members of the medical profession. *In re Richfield Oil Company*, 24 C. C. P. A. 996, 88 F.(2d) 499, 483 O. G. 465. Since an antiseption property might also be considered desirable in cleansing and scouring preparations for household use I consider the mark merely descriptive of these preparations also."

WILLARD STORAGE BATTERY COMPANY *v.* GEORGE C. VAN VEEN, Opposition No. 19,973.

In a decision rendered August 4, 1942 (163 Ms. Dec. 1033, 54 U. S. P. Q. 334), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of Willard Storage Battery Company, of Cleveland, Ohio, to the application of George C. Van Veen, of Chicago, Ill., for registration for storage batteries of a composite trade-mark comprising the notation "Quik Spin" in association with a design.

The Examiner concluded that this notation is "descriptive of a principal characteristic of the goods," and is confusingly similar to the expression "Quick Starts," used descriptively by opposer in connection with identical merchandise. In his decision the First Assistant Commissioner stated:

"For many years prior to applicant's first use of the mark sought to be registered opposer had used in its advertising the slogan 'Quick Starts and Many of Them,' with the words 'Quick Starts' displayed above the remainder of the notation, and in larger type. More recently this slogan has appeared upon the cartons in which opposer's batteries are sold. Opposer does not claim that it has been used as a trade-mark; but it is now well established that 'the right to oppose the registration of a trade-mark does not depend upon the exclusive ownership by an opposer of a similar mark.' *Lever Brothers Co.* v. *Nobio Products, Inc.*, 26 C. C. P. A. 1253, 103 Fed.(2d) 917.

"I doubt that applicant's mark is descriptive. As applied to a storage battery used in connection with an internal combustion engine it is, of course, highly suggestive of a desirable characteristic of the goods; but mere suggestiveness is no bar to registration.

"It is my opinion, however, that as applied to such goods, the expressions 'Quik Spin' and 'Quick Starts' are so nearly the same in significance as to be reasonably likely to be confused, and that opposer would thus be damaged by the registration of applicant's mark."

THE AMERICAN ROLLING MILL COMPANY *v.* H. D. HUDSON MANUFACTURING COMPANY, Opposition No. 20,714.

In a decision rendered August 6, 1942 (163 Ms. Dec. 1035, 54 U. S. P. Q. 336), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition by The American Rolling Mill Company, of Middletown, Ohio, to the application of H. D. Hudson Manufacturing Company, of Chicago, Ill., for registration of the mark "Zinkhide" for coated steel. The Assistant Commissioner said that applicant in its brief stated that its steel is treated with zinc, i. e., galvanized.

Opposer relied upon its use and registration of the mark "Zincgrip" applied to galvanized iron and steel sheets since long before applicant's first use of the mark "Zinkhide". The Assistant Commissioner stated that, from testimony presented by opposer, it appeared that opposer's steel to which its mark is applied is purchased by manufacturers for fabrication into finished products, and frequently these manufacturers, with opposer's consent, apply opposer's mark "Zincgrip" to the finished structures to indicate to the public that the structures are fabricated of opposer's "Zincgrip" steel.

The Assistant Commissioner concluded that since the goods involved are the same and opposer had used its mark from a time long prior to applicant's adoption of its mark, the sole question was whether the marks are or are not confusingly similar. In passing upon this question, the Assistant Commissioner said:

"The marks must be compared in their entireties, although it is proper to analyze the effects of the several parts of each mark on the composite effect of each mark as a whole, paying particular attention to the arbitrary and fanciful impression, if any, created by the mark, for it is that impression which constitutes the trade-mark significance of the entire mark. The natural, descriptive impression, if any, would not be recognized as relating the goods to a particular manufacturer or distributor thereof.

"The word 'zinc' itself applied to zinc coated steel would be merely descriptive of the steel and would have no trade-mark significance. Both parties are free to so use the word.

"By adding to the word 'zinc' the word 'grip' opposer has created a new word 'zincgrip' which when applied to galvanized steel or iron creates an arbitrary and fanciful impression recognized as having trade-mark significance. It may be said that the syllable 'grip' contributes predominantly to the trade-mark significance of the entire word and the syllable 'zinc' contributes predominantly to the descriptive significance of the word. However, opposer's mark is not the word 'grip' but 'Zincgrip'. The total impression of each is not the same. The general arbitrary and fanciful impression created by the word 'Zincgrip' when applied to galvanized steel or iron is that it is a composite word composed of an unnatural suffix added to the syllable 'zinc'. All persons might not remember that the suffix was precisely the syllable 'grip'. Many would have the impression that the suffix indicated gripping, holding, being affixed, or the like, and that the entire mark suggested zinc gripped or fastened to the steel for a coating.

"Similarly with applicant's mark 'Zinkhide' the syllable 'hide' contributes predominantly to the trade-mark significance of the word as a whole. The syllable 'zink' would be considered the same as if spelled 'zinc'. Also in this mark the general arbitrary and fanciful impression created by the mark as a whole and constituting trade-mark significance when applied to galvanized steel is that the mark is a composite word composed of an unnatural suffix added to the syllable 'zinc'. This general impression is the same with respect to the marks of both parties. The suffix 'hide' might quite likely suggest the thought of skin and thus to suggest that there is a thin coating or skin of zinc affixed or gripped to the steel. In this respect the marks 'Zincgrip' and 'Zinkhide' are similar to a certain extent.

"Both marks are composed of two syllables of four letters each. The presence of the similar first syllables in the marks may not be disregarded, although their lack of major contribution to the trade-mark significance of the marks as a whole must also be recognized. The suffixes of the marks are dissimilar in spelling, appearance and sound when pronounced, but each are unnatural suffixes to the preceding syllable 'zinc' and in the marks as a whole both have a somewhat similar significance in suggesting that zinc is affixed to the steel.

"On the whole, considering the marks in their entireties, the fact that both are applied to the same sort of goods, the merchandising aspects, and the similarities and differences between the marks, it is my opinion that the concurrent use of these marks on the identical goods would be likely to cause confusion and mistake on the part of the public and to deceive purchasers."

HOLEPROOF HOSIERY CO. *v.* HAMILTON C. BATES, Opposition No. 20,587.

In a decision rendered August 7, 1942 (163 Ms. Dec. 1037, 54 U. S. P. Q. 338), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the opposition by Holeproof Hosiery Co., of Milwaukee, Wis., to the application of Hamilton C. Bates, of Chester, Conn., for registration of the mark "Luxite" for crochet hooks and knitting needles for hand use. Applicant claimed use since January 1, 1928. As stated by the Assistant Commissioner, the notice of opposition asserted and the parties stipulated use by opposer and its predecessor company of the identical mark "Luxite" for certain hosiery since July 7, 1915, and for certain knitted underwear since March 28, 1917, and ownership of two registrations of this mark for such goods. The Assistant Commissioner added that the registration for hosiery was issued December 28, 1915. The other registration, he said, was issued August 3, 1920, and covers one- and two-piece textile, knitted or woven undergarments for men, women and children. The Assistant Commissioner also stated that both registrations stand renewed to opposer.

In deciding that applicant's goods and opposer's goods do not possess the same descriptive properties, the Assistant Commissioner said:

"Opposer takes the position that knitted goods and knitting needles are closely associated in women's minds and to them knitting needles suggest knitted material and in consequence women seeing applied to knitting needles the same trade-mark they have seen since 1915 applied to opposer's hosiery and since 1917 to opposer's women's knitted underwear will be misled and confused into believing the knitting needles to be opposer's goods or at least to be sponsored by opposer, and thus the granting of the registration which applicant seeks would embarrass opposer in the free and exclusive use of its mark and would result in damage to opposer.

"In ascertaining whether goods are or are not of the same descriptive properties all factors may be considered. *Meredith Publishing Co.* v. *O. M. Scott & Sons Co.*, 24 C. C. P. A. 956, 88 F.(2d) 324, 482 O. G. 243.

"The present policy is to give the language 'merchandise of the same descriptive properties', used in section 5 of the Trade-Mark Act of February 20, 1905, a liberal interpretation in order to effectuate the purpose of the act. *General Shoe Corporation* v. *Forstner Chain Corporation*, 27 C. C. P. A. 1398, 113 F.(2d) 127, 521 O. G. 7.

"However, the issue is not whether some women may be led to believe that applicant's knitting needles which are sold under the name 'Luxite' are sponsored by opposer, but rather whether such use of the mark by applicant would be likely to cause the purchasing public to believe that applicant's crochet hooks or knitting needles and opposer's hosiery and women's knitted underwear had the same origin. *Lever Brothers Co.* v. *Butler Manufacturing Company*, 27 C. C. P. A. 1215, 111 F.(2d) 910, 521 O. G. 3.

"Hosiery and articles of women's underwear may be knitted with knitting needles used by hand, and all these articles may usually be purchased in dry goods stores. However, even though goods are sold through common channels or may be used together they may nevertheless be goods of different classes and be goods not possessing the same descriptive properties; for instance, cheese-coated popcorn and soft drinks. *Kraft-Phenix Cheese Corporation* v. *Consolidated Beverages, Limited*, 27 C. C. P. A. 803, 107 F.(2d) 1004, 514 O. G. 827.

"Considering all the factors it is my opinion that the goods in question are not in the same class and possess no descriptive property in common. The fact that knitting needles are implements which may be used to knit hosiery and women's underwear does not endow the goods with a mutual descriptive property. It is also my opinion that the use by applicant of the mark 'Luxite' for crochet hooks and knitting needles will not be likely to lead the purchasing public to attribute their source of origin to opposer."

A. H. HOFFMAN, INC., *v.* WILLIAM H. ROBER, INC., Opposition No. 20,739.

In a decision rendered August 7, 1942 (163 Ms. Dec. 1041, 54 U. S. P. Q. 337), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the opposition of A. H. Hoffman, Inc., of Landisville, Pa., to the application of William H. Rorer, Inc., of Philadelphia, Pa., for registration of the notation "Plant Dinner," with a disclaimer of the word "Plant," as a trade-mark for "a food or tonic for plants."

In setting forth the basis of opposition and in passing upon the question of the similarity of the goods of the parties, the First Assistant Commissioner said:

"The opposition is predicated upon opposer's prior use of the notation 'Plant Pantry' to designate a specially designed carton, fitted to contain a number of separately packaged fertilizers and related goods, which are sold as a unit. These items are also available separately in the same individual packages, and do not bear the 'Plant Pantry' mark. It is applied only to the carton in which all are contained. In other words, the expression appears to be a trade-mark for the container rather than for its contents; but even so, the goods to which the two marks are respectively appropriated doubtless possess the same descriptive properties. *Elgin American Manufacturing Co.* v. *Elizabeth Arden, Inc.*, 23 C. C. P. A. 1153, 83 Fed.(2d) 681."

The First Assistant Commissioner agreed with the Examiner that the marks are not confusingly similar. He said:

"The word 'Plant' is descriptive in both, and taken alone is incapable of denoting origin of the goods of either party. 'Dinner' and 'Pantry' are words in common use, and their meaning is universally understood by the English-speaking public. They neither look alike, nor sound alike, nor have the same significance. Viewed as a whole, it is my opinion that the marks thus differ sufficiently to insure against any reasonable likelihood that confusion would result from their concurrent use in trade."

MAMMA MIA IMPORTING COMPANY, INC., *v.* ANTONIO CORRAO, Opposition No. 20,445.

In a decision rendered August 7, 1942 (163 Ms. Dec. 1039, 54 U. S. P. Q. 341), *First Assistant Commissioner Frazer* reversed the decision of the Examiner of Trade-Mark Interferences and thereby dismissed the opposition of Mamma Mia Importing Company, Inc., of Brooklyn, N. Y., to the application of Antonio Corrao, also of Brooklyn, N. Y., for registration of the notation "Maria Mia," as a trade-mark for "edible salad oil." Applicant claimed use since July 1, 1940.

The opposition was predicated upon opposer's alleged ownership by assignment of a registration issued September 29, 1936, to a third party. As described by the First Assistant Commissioner, this mark:

"is the notation 'Mamma Mia' printed in two lines and associated with the picture of a woman holding a bottle in one hand and a spoon in the other, apparently in the act of depositing the contents of the spoon in the mouth of a child. The picture is surrounded by an olive wreath."

The First Assistant Commissioner added that this composite mark is registered for "canned olive oil."

The applicant contended that opposer had failed to prove a valid assignment of said registration, but the First Assistant Commissioner said that, in the view he took of the case, that point need not be determined. He addressed his decision to the question of confusing similarity, about which he had the following to say:

"In appearance the two marks, viewed as a whole, differ widely; but it was the Examiner's opinion that the expressions 'Mamma Mia' and 'Maria Mia' are sufficiently similar, 'particularly in sound,' * * * that their con-

current use in trade would be reasonably likely to cause confusion.'

"'Mia' is the Italian equivalent of the English word 'my.' 'Mamma' and 'Maria' are both common words of the English language, of entirely different significance which in each instance is well understood. They bear some slight resemblance in appearance, but in sound I think they are distinctly different. As these are the dominating words of the two marks, I am unable to agree with the Examiner that the marks as a whole are likely to be confused."

SWINGER AND BINENSTOCK *v.* ANTONIO CORRAO, Opposition No. 20,439.

In a decision rendered August 7, 1942 (163 Ms. Dec. 1040, 54 U. S. P. Q. 340), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of Swinger and Binenstock, of Philadelphia, Pa., to the application of Antonio Corrao, of Brooklyn, N. Y., for registration of the notation "Maria Mia" as a trade-mark for salad oil. The opposition was sustained by the Examiner on the ground that applicant's mark is confusingly similar to opposer's trade-mark "Donna Maria," registered for the same goods prior to applicant's claimed date of first use. In likewise finding the marks to be confusingly similar, the First Assistant Commissioner said:

"As pointed out by the Examiner, the Italian words 'mia' and 'donna' mean, respectively, 'my' and 'lady;' and I agree with him 'that to purchasers familiar with the fact the significance of either mark would be primarily that of the name, to which the qualifying term associated therewith is merely subordinate.' Clearly the marks are too nearly alike to be used concurrently on identical merchandise of the character here involved without a reasonable likelihood of resulting confusion."

BARBER ASPHALT CORPORATION *v.* WOOD CONVERSION COMPANY, Cancellation No. 3827.

In a decision rendered August 7, 1942 (163 Ms. Dec. 1042, 54 U. S. P. Q. 339), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the petition of Barber Asphalt Corporation, of Perth Amboy, N. J., to cancel trade-mark registration No. 379,962, issued July 30, 1940, under the provisions of the act of March 19, 1920, to Wood Conversion Company, of Cloquet, Minn.

With respect to the marks of the parties and the goods to which they are appropriated, the First Assistant Commissioner stated:

"The mark of the registration sought to be canceled is the notation 'Sta-Lite,' and the goods to which it is appropriated are described as 'a light-colored coated artificial board.' This mark has been used since February 6, 1939.

"Petitioner is the owner of two registrations of the trade-mark 'Sta-Rite,' both effected under the provisions of the act of February 20, 1905. The first, issued October 14, 1919, and renewed, is for 'lumber, shingles, composition roofing, and lime.' The second, issued February 16, 1937, is for 'asphalt shingles.'"

In upholding the position of the Examiner, the First Assistant Commissioner said:

"The act of 1920 prohibits the registration thereunder of marks which so nearly resemble a known trade-mark, owned and in use by another and appropriated to merchandise of the same descriptive properties, as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers. In part, at least, the petitioner's goods are unquestionably of the same descriptive properties as those of respondent; and in sound and appearance the marks of the parties are substantially identical. There is a difference in significance, but as pointed out by the Court of Customs and Patent Appeals in *Kroger Grocery & Baking Co. v. Blue Earth Canning Co.*, 24 C. C. P. A. 1098, 88 Fed.(2d) 725, 'significance of marks is not the only factor to be considered, for appearance and sound are equally important.'

"Respondent insists that petitioner's mark is descriptive of the goods to which it is applied, but that is a collateral attack upon the validity of petitioner's registrations and may not be considered in a proceeding of this character. Respondent's mark, being confusingly similar to the mark of petitioner and appropriated to merchandise of the same descriptive properties, is forbidden registration by the express terms of the statute, and injury to petitioner will be presumed."

JAMES C. HEINTZ *v.* AMERICAN TIRE MACHINERY CO., Oppositions Nos. 20,144 and 20,458.

In decisions severally rendered in these two opposition proceedings on August 11, 1942 (163 Ms. Dec. 1044, — U. S. P. Q. —; 163 Ms. Dec. 1043, — U. S. P. Q. —), *Assistant Commissioner Van Arsdale* acted upon renewed requests by the opposer, James C. Heintz, for reconsideration of his decisions of July 3, 1942 (541 O. G. 673, 54 U. S. P. Q. 105; 541 O. G. 673, 54 U. S. P. Q. 107). As stated by the Assistant Commissioner, the opposer asserted that due consideration was not given to the prominent manner in which retreading machinery is commonly displayed in retreading shops or to applicant's advertising

In making identical rulings upon each of the renewed requests, the Assistant Commissioner said:

"It is believed these points were given due consideration, and it is still considered that the mark 'Vitacap' applied to applicant's retreading machinery would not be likely to lead people who are familiar with the mark 'Life Cap' applied to retreaded tires to believe that the machinery and those tires had the same source of origin. The following quotation from *Lever Bros. Co. v. Butler Mfg. Co.*, 27 C. C. P. A. 1215, 111 F.(2d) 910, 521 O. G. 3, is interesting in that connection:

"'The issue in this case is not whether the advertisement, hereinbefore referred to, caused a few housewives to think that the "Lustrlux system of cleaning" was sponsored by the manufacturer of "Lux" soaps, but rather whether a trade-mark use by appellee of the term "Lustrlux" on its dry cleaning apparatus would be likely to cause the purchasing public to believe that appellee's dry cleaning apparatus and appellant's "Lux" soaps had the same origin.

"Renewed reconsideration has been granted but the original decision is adhered to."

CAMPANA CORPORATION *v.* LISSAR COMPANIA INCORPORADA, Opposition No. 20,406.

In a decision rendered August 12, 1942 (163 Ms. Dec. 1045, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of Campana Corporation, of Batavia, Ill., to the application of Lissar Compania Incorporada, of San Pedro Mahati, Rizal, Philippine Islands, for registration of the notation "Premiere Nuit" as a trade-mark for "perfumes, lotions, face powders and lipsticks, eau de cologne." The opposition was predicated upon opposer's ownership of the trade-mark "The First Nighter," registered before applicant's alleged date of first use, for "toilet cream, beauty cream, cleansing cream, cold cream, tissue cream, and face cream."

The Examiner concluded that the marks of the parties are confusingly similar and the First Assistant Commissioner was of the same opinion. In his decision the First Assistant Commissioner said:

"Translated into English, the French words 'premiere nuit' mean 'first night.' 'First night' and 'first-nighter' are both dictionary expressions. 'First night' is defined as 'the night on which a theatrical production is performed first at a given place; also, the performance itself.' 'First-nighter' is defined as 'a spectator habitually present at first-night performances.' Webster's New International Dictionary.

"Regardless of its significance to the Frenchman, it thus appears that applicant's mark when translated has a meaning very closely related to that of opposer's mark.

"The two marks differ, of course, in appearance and in sound; but I am constrained to agree with the Examiner that they are too nearly the same in significance to be concurrently used on the particular goods here involved without a reasonable probability of confusion. Certainly 'First Night' is deceptively similar to 'The First Nighter,' and it matters not that applicant has employed the French language instead of the English. *In re Maclin-Zimmer-McGill Tobacco Co., Inc.*, 49 App. D. C. 181, 262 Fed. 635."

EX PARTE GOLDEN ACRES, INC., Serial No. 431,808.

In a decision rendered August 13, 1942 (163 Ms. Dec. 1046, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing registration under the act of February 20, 1905, to Golden Acres, Inc., of Valparaiso, Ind., of the notation "Aid to Ease," as a trade-mark for "mineral oils for internal human lubrication." The Examiner refused registration on the ground that the mark is descriptive of the goods.

Referring to said ruling of the Examiner, the First Assistant Commissioner said:

"I think he was so clearly right as to preclude serious argument to the contrary. I agree with applicant that the mark is equally descriptive of many other articles of merchandise, but that fact does not make it less so of the goods named in the application.

"Applicant points to a number of marks published in recent issues of the OFFICIAL GAZETTE, and asserts 'that if the applicant's mark is descriptive of the mineral oil, the other marks referred to herewith are equally descriptive of the products to which they were applied and for which they were granted registration.' The propriety of such registrations is not before me for determination, but even if it be assumed that all were improperly issued nothing is thereby added to the registrability of applicant's mark."

PARKE, DAVIS & COMPANY *v.* THE G. F. HARVEY COMPANY, Opposition No. 20,478.

In a decision rendered August 13, 1942 (163 Ms. Dec. 1048, — U. S. P. Q. —), *First Assistant Commissioner Frazer* reversed the decision of the Examiner of Trade-Mark Interferences and thereby dismissed the opposition of Parke, Davis & Company, of Detroit, Mich., to the application of The G. F. Harvey Company, of Saratoga Springs, N. Y., for registration of the notation "Digiseals" as a trade-mark for "powdered digitalis leaf hermetically sealed in oil put up in capsule form."

The First Assistant Commissioner stated that opposer uses the notation "Kapseals Digifortis" on substantially identical merchandise. He also stated that each word of this mark is separately registered, but only their use in combination was pleaded in the notice of opposition, so that the similarity of applicant's mark to either word alone was not in issue and would not need to be considered. The only question for determination, he said, was whether or not the trade-mark "Digiseals" so nearly resembles the trade-mark "Kapseals Digifortis" as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers when applied to merchandise of the character involved. Upon this question he had the following to say:

"The two marks neither look alike nor sound alike, nor am I able to detect any particular similarity in significance. It is true that they have certain syllables in common, but manifestly these syllables do not 'occur in the same relative order;' and such slight resemblance as results from their common occurrence is outweighed by the total dissimilarity of applicant's one-word mark to the remaining portions of opposer's two-word mark. Moreover the goods of the parties are of a character requiring the exercise of extreme care in their purchase; or, to borrow the language of the United States Court of Customs and Patent Appeals in *Ciba Pharmaceutical Products, Inc.*, v. *Abbott Laboratories*, 28 C. C. P. A. 1315, 121 Fed.(2d) 551:

"'The fact that both are medicinal in character and have a therapeutic effect upon users, of necessity makes carefulness in selection imperative on the part of prudent purchasers.'

"Viewed as a whole, and considered in connection with the nature of the goods, it is my opinion that the marks of the parties differ sufficiently to insure against any reasonable likelihood of confusion in their concurrent use in trade."

EX PARTE ANTHONY COMPANY, Serial No. 435,111.

In a decision rendered August 13, 1942 (163 Ms. Dec. 1046, — U. S. P. Q. —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Trade-Marks in refusing registration to Anthony Company, of Streator, Ill., of the notation "Riley Waters" as a trade-mark for "cartoons, sketches and drawings." The ground of the Examiner's refusal of registration was "that the mark is merely the name of an individual not distinctively displayed."

In disagreeing with the Examiner, the First Assistant Commissioner said:

"While it is true that 'Riley Waters' may be the name of an individual, I am unable to agree with the Examiner that it is 'merely' so. 'Riley,' meaning 'turbid,' is a word in common use, as is also the word 'waters;' and when the two are associated together as in applicant's mark, I think both are more likely to convey their dictionary significance than their significance as proper names."

THE E. KAHN'S SONS COMPANY *v.* OSCAR MAYER & COMPANY, Opposition No. 19,024.

In a decision rendered August 13, 1942 (163 Ms. Dec. 1047, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of The E. Kahn's Sons Company, of Cincinnati, Ohio, to the application of Oscar Mayer & Company, of Chicago, Ill., for registration of a trade-mark for certain meat products. The mark of the applicant and the mark relied upon by opposer, the First Assistant Commissioner described as follows:

"Applicant's mark is the full-length side view of a dwarf, attired in chef's uniform and cap, and holding a tray. The mark relied upon by opposer, previously registered for similar merchandise, is the half-length front view of a normal man, likewise attired in chef's uniform and cap, and also holding a tray. In small letters across the top of his cap is printed the name 'Kahn's,' but the picture is clearly the dominating feature of the mark."

The First Assistant Commissioner agreed with the Examiner that these two marks are so nearly the same as to be likely to be confused, and added that he found ample authority for that ruling in the case of *International Latex Corporation* v. *I. B. Kleinert Rubber Co.*, 26 C. C. P. A. 1321, 104 Fed.(2d) 382, from which he quoted at length. He said:

"With respect to the marks here in issue, it is my opinion that there may be those who would retain only the impression of a chef holding a tray, and thus mistake applicant's goods for those of the opposer. And so here, as in the cited case, any doubt in that regard must be resolved in opposer's favor."

NEUMODE HOSIERY CO. *v.* ARONSON-CAPLIN CO., INC., Opposition No. 20,535.

In a decision rendered August 27, 1942 (163 Ms. Dec. 1050, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of Neumode Hosiery Co., of Chicago, Ill., to the application of Aronson-Caplin Co., Inc., of New York, N. Y., for registration of the notation "Nu-Molde" as a trade-mark for women's slips. The opposer relied upon the mark "Neumode," registered for hosiery under the act of March 19, 1920.

The only issue before the First Assistant Commissioner on appeal was whether opposer's mark and applicant's mark are likely to be confused with each other. Applicant insisted that there is no likelihood of confusion because no instance of actual confusion had been proved. In answer to this contention, the First Assistant Commissioner stated:

"While 'evidence of lack of confusion in the use of different marks may be persuasive that there is not likelihood of confusion, * * * such evidence cannot be controlling.' *E-Z Mills, Inc.*, v. *Martin Brothers Co.*, 25 C. C. P. A. 992, 95 Fed.(2d) 269. And as was pointed out by the same court in *Kroger Grocery & Baking Co.* v. *Blue Earth Canning Co.*, 24 C. C. P. A. 1098, 88 Fed.(2d) 725:

"'It is so well established as to require no citation of authority that an opposer, in order to succeed, is not required to produce evidence of actual confusion. Likelihood of confusion may be determined by consideration of the goods to which the marks are applied and a comparison of the marks involved.'"

He added:

"Here neither the goods of the parties nor their marks are precisely the same. But the goods are very closely related, and the only substantial difference between the marks is that of significance, which 'is not the only factor to be considered, for appearance and sound are equally important.' *Kroger Grocery & Baking Co.* v. *Blue Earth Canning Co.*, supra.

"Resolving doubts, as I must, in opposer's favor, it is my opinion that the opposition was properly sustained."

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 29, 1942

[VOL. 542. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 451,275. JOHN FRANKLIN STYER, doing business as Styer's Nurseries, Concordville, Pa. Filed Feb. 27, 1942.

NORTHLAND DAISY

Applicant makes no claim to the word "Daisy" apart from the mark.

FOR CHRYSANTHEMUMS.

Claims use since July, 1939.

Ser. No. 452,057. RIDBO LABORATORIES, INC., Paterson, N. J. Filed Mar. 31, 1942.

EXTENDEX

FOR COMPOUND—NAMELY, MODIFIED OILS SUBSTANTIALLY OF THE CONSISTENCY OF PUTTY FOR USE IN THE PRODUCTION OF RUBBER ARTICLES AS A SUBSTITUTE FOR A PART OF THE RUBBER.

Claims use since Mar. 3, 1942.

Ser. No. 453,145. CHARLES SPONSEL, Albuquerque, N. Mex. Filed May 20, 1942.



FOR CATTLE, HORSES, AND SHEEP FOR BREEDING PURPOSES.

Claims use since Apr. 16, 1942.

Ser. No. 454,228. HOLLAND-COLOMBO TRADING SOCIETY, INC., Dover, Del., and New York, N. Y. Filed July 15, 1942.

H.C.T.S.

FOR RUBBER, HIDES, AND SKINS.

Claims use since Nov. 16, 1940.

Ser. No. 454,230. HOLLAND-COLOMBO TRADING SOCIETY, INC., Dover Del., and New York, N. Y. Filed July 15, 1942.

HOLCO

FOR RUBBER, HIDES, AND SKINS.

Claims use since Nov. 16, 1940.

Ser. No. 455,024. MARTIN NEMETZ, Brooklyn, N. Y. Filed Aug. 21, 1942.

WAR SCRAPPERS

FOR SCRAP AND JUNK MATERIAL IN THE NATURE OF PAPER, METAL, RUBBER, RAG, WASTE AND FAT SCRAP.

Claims use since Aug. 19, 1942.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 454,007. S. C. JOHNSON & SON, INC., Racine, Wis. Filed July 2, 1942. Under section 5b of the act of 1905 as amended in 1920.

JOHNSON'S

FOR RUBBER DRESSING TO COAT, PRESERVE, RENEW, AND CLEAN ALL RUBBER, AUTOMOTIVE, AND HOUSEHOLD ARTICLES.

Claims use since Apr. 30, 1940.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 444,881. PUREPAC CORPORATION, New York, N. Y. Filed June 26, 1941.

MINERALINE

FOR MINERAL OIL FOR INTERNAL USE.

Claims use since May 1, 1941.

Ser. No. 445,729. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y. Filed July 29, 1941.

SCENTINEL

FOR NAIL POLISH AND PERFUME.
Claims use since July 14, 1941.

Ser. No. 447,870. ENERO CERRAI, St. George, Staten Island, N. Y. Filed Oct. 17, 1941.

CER-RAY BRAND

No claim is made to the word "Brand" apart from the mark.
FOR HAIR PREPARATION.
Claims use since Sept. 15, 1941.

Ser. No. 451,452. THE SPEARE SUPPLY COMPANY, Chicago, Ill. Filed Mar. 6, 1942.

BEAUTY BLUE

Applicant disclaims the word "Blue" apart from the mark.
FOR LAUNDRY BLUING.
Claims use since Dec. 8, 1941.

Ser. No. 453,240. GEORGE E. FIELD, doing business as Pastura Mfg. Co., Altmar, N. Y. Filed May 25, 1942.



FOR INSECTICIDES AND TONIC FOR LIVESTOCK.
Claims use since 1911.

Ser. No. 454,235. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed July 15, 1942.

LEG SHOW

FOR LEG TINTING OR MAKE-UP COSMETIC.
Claims use since Mar. 16, 1942.

Ser. No. 454,241. CHARLES A. SUSSLIN, Bronxville, N. Y. Filed July 15, 1942.

KAY-ORAL

The word "Oral" is disclaimed apart from the mark FOR DENTAL POWDER.
Claims use since July 10, 1942.

Ser. No. 454,251. FREEDA AGAR PRODUCTS, New York N. Y. Filed July 16, 1942.

FORTURN

FOR VITAMIN CAPSULES OR TABLETS.
Claims use since June 30. 1942.

Ser. No. 454,338. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed July 20, 1942.

SULFAPECTIN

FOR COMBINATION OF SULFANILAMIDE AND PECTIN FOR LOCAL USE ONLY, DESIGNED FOR DIRECT TOPICAL APPLICATION TO THE WOUND OR INFECTED AREA, COMPOUND FRACTURES, CONTAMINATED INDUSTRIAL WOUNDS, WAR WOUNDS, ULCERS AND CARBUNCLES, BURNS, CLEAN SURGICAL WOUNDS, ETC.
Claims use since Jan. 15, 1942.

Ser. No. 454,339. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed July 20, 1942.

TANNIPECTIN

FOR COMBINATION OF PECTIN AND TANNIC ACID FOR EXTERNAL USE, PRINCIPALLY BURNS.
Claims use since Jan. 15, 1942.

Ser. No. 454,411. BROWN MANUFACTURING COMPANY, Le Roy, N. Y. Filed July 22, 1942.

RAMON'S CO-TABS

Applicant is owner of T. M. Reg. 48,909 (renewed), covering the word "Ramon's" and effected under the 10-year proviso.
FOR PREPARATION FOR THE RELIEF OF COLDS.
Claims use since Dec. 10, 1941.

Ser. No. 454,675. VICO PRODUCTS COMPANY, Chicago, Ill. Filed Aug. 1, 1942.

Vicoplex

FOR VITAMIN PREPARATION.
Claims use since July 15, 1941.

Ser. No. 454,738. PARFUM L'ORLE, INC., New York, N. Y. Filed Aug. 5, 1942.

LORODO

FOR DEODORANT IN SOLID FORM.
Claims use since June 22, 1942.

Ser. No. 454,747. VICK CHEMICAL COMPANY, Wilmington, Del. Filed Aug. 5, 1942.

BEVULES

FOR VITAMIN TABLETS.
Claims use since July 15, 1942.

Ser. No. 454,748. VICK CHEMICAL COMPANY, Wilmington, Del. Filed Aug. 5, 1942.

NUPLEX

FOR VITAMIN TABLETS.
Claims use since July 21, 1942.

Ser. No. 454,749. VICK CHEMICAL COMPANY, Wilmington, Del. Filed Aug. 5, 1942.

PRIMES

FOR VITAMIN TABLETS.
Claims use since July 24, 1942.

CLASS 10

FERTILIZERS

Ser. No. 451,109. INTERNATIONAL MINERALS & CHEMICAL CORPORATION, Chicago, Ill. Filed Feb. 20, 1942.

INTERNATIONAL FERTILIZERS

No claim is made to the word "Fertilizers" apart from the mark.
FOR FERTILIZERS.
Claims use since Oct. 1, 1934.

Ser. No. 453,984. INTERNATIONAL MINERALS & CHEMICAL CORPORATION, Chicago, Ill. Filed July 1, 1942.



FOR FERTILIZERS.
Claims use since JAN. 5, 1942.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 454,615. ROBERT L. WENTZ, Hohokus, N. J. Filed July 30, 1942.

YELLOWHEAD

FOR SCREWS.
Claims use since July 1, 1942.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 452,561. METAL & THERMIT CORPORATION, Woodbridge, N. J., and New York, N. Y. Filed Apr. 24, 1942.



FOR METALLIC WELDING ELECTRODES, REACTIVE METAL-METALLIC OXIDE POWDERS FOR USE IN WELDING, AND CARBON FREE METALS AND METAL COMPOUNDS FOR USE IN THE PROCESS OF WELDING METALS.
Claims use since Jan. 13, 1942.

Ser. No. 452,949. AMERICAN SMELTING AND REFINING COMPANY, New York, N. Y. Filed May 12, 1942.

S. T.

FOR NON-FERROUS METAL ALLOYS—NAMELY, SOLDER.
Claims use since Feb. 4, 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 454,010. S. C. JOHNSON & SON, INC., Racine, Wis. Filed July 2, 1942. Under section 5b of the act of 1905 as amended in 1920.

JOHNSON'S

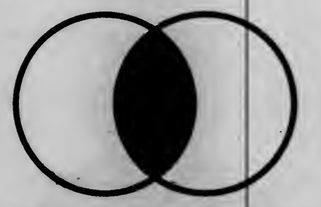
FOR LIQUID WAX POLISH FOR FINISHING AND COATING FURNITURE AND INTERIOR AND EXTERIOR FINISHED SURFACES.
Claims use since Apr. 1, 1935.

Ser. No. 454,512. POLAROID CORPORATION, Cambridge, Mass. Filed July 25, 1942.

POLAROID

FOR LACQUERS AND LACQUER THINNERS.
Claims use since December, 1940.

Ser. No. 454,520. POLAROID CORPORATION, Cambridge, Mass. Filed July 25, 1942.



FOR LACQUERS AND LACQUER THINNERS.
Claims use since December, 1940.

Ser. No. 454,672. SOILICIDE LABORATORIES, Montclair, N. J. Filed Aug. 1, 1942.

CANVEX

FOR CANVAS PAINT FOR AWNINGS, BEACH UMBRELLAS, CAR TOPS, SAILS, CANOPIES, AND OTHER CANVAS FABRICS.
Claims use since June 22, 1942.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 451,807. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Mar. 21, 1942.

KODAK

FOR HAND TRUCKS FOR TRIPODS.
Claims use since Jan. 2, 1935.

Ser. No. 454,169. THE FORMICA INSULATION COMPANY, Cincinnati, Ohio. Filed July 11, 1942.

STATICON

FOR ELECTRO CONDUCTIVE SHOP AND MILL TRUCK WHEELS.
Claims use since Feb. 25, 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 445,383. THE DELTA MANUFACTURING COMPANY, Milwaukee, Wis., assignor to Marshall Field, Charles G. Cushing, and H. Campbell Stuckeman, a general partnership doing business as The Delta Manufacturing Company, Milwaukee, Wis. Filed July 16, 1941.

Homecraft

FOR ELECTRIC MOTORS AND SWITCH BOX COVERS.
Claims use since July 10, 1941.

Ser. No. 453,112. LEAR AVIA, INC., Piqua, Ohio. Filed May 19, 1942.

Learavian

FOR RADIO EQUIPMENT—NAMELY, AIRCRAFT RADIO COMMUNICATION EQUIPMENT, RADIO RECEIVERS, PORTABLE RADIOS.
Claims use since November, 1939.

Ser. No. 453,134. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed May 19, 1942.

AMOGAS

FOR METAL HARDENING ELECTRIC FURNACES AND ATMOSPHERE CONTROLLERS THEREFOR.
Claims use since July 24, 1940.

Ser. No. 453,578. BULLDOG ELECTRIC PRODUCTS CO., Detroit, Mich. Filed June 10, 1942.

LO -X

FOR ELECTRICAL CONDUIT.
Claims use since Feb. 1, 1942.

Ser. No. 454,302. DURO-TEST CORPORATION, North Bergen, N. J. Filed July 18, 1942.

DUROLIER

FOR FLUORESCENT LIGHTING FIXTURES.
Claims use since November, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 447,503. HAROLD V. BORGES, Oakland, Calif. Filed Oct. 3, 1941.

GOOFY GOONY

FOR TOY FIGURES MADE TO RESEMBLE BABY ALBATROSSES.
Claims use since Aug. 2, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 427,432. W. P. HILGER, doing business as The Hilger Company, St. Cloud, Minn. Filed Jan. 13, 1940.

HILCO

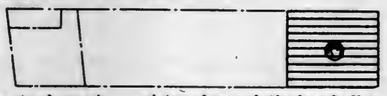
FOR FLOOR SANDING MACHINES.
Claims use since Feb. 1, 1932.

Ser. No. 427,836. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill. Filed Jan. 25, 1940.



FOR TOOLS AND PARTS OF TOOLS FOR WORKING AND CUTTING METAL AND OTHER MATERIALS—NAMELY, BORING TOOLS OR DRILLS, TURNING OR LATHE TOOLS, SHAPING AND MILLING TOOLS AND SUCH TOOLS EQUIPPED WITH HARD METALLIC INSERTS FOR THE PURPOSE OF WORKING, CUTTING, FORMING OR SHAPING OTHER METALS AND MATERIALS.
Claims use since Oct. 1, 1939.

Ser. No. 427,861. VASCOLOY-RAMET CORPORATION, North Chicago, Ill. Filed Jan. 25, 1940.



The trade-mark consists of a relatively shallow cap of blue covering the end and encircling the tool at the end thereof opposite the working end of the tool, one of the flat colored surfaces having a small circular depression the same color as the cap. The outline representation of the goods is not claimed as part of the mark.

FOR TOOLS AND PARTS OF TOOLS FOR WORKING AND CUTTING METAL AND OTHER MATERIALS—NAMELY, BORING TOOLS OR DRILLS, TURNING OR LATHE TOOLS, SHAPING AND MILLING TOOLS AND SUCH TOOLS EQUIPPED WITH HARD METALLIC INSERTS FOR THE PURPOSE OF WORKING, CUTTING, FORMING OR SHAPING OTHER METALS AND MATERIALS.
Claims use since Oct. 1, 1939.

Ser. No. 450,211. THE PLYCOR COMPANY, Chicago, Ill. Filed Jan. 14, 1942.

PLYCOR

FOR HOT-PLATE PRESSES (FOR HOT-PRESSING OF PLYWOOD), BUNDLING PRESSES (FOR COLD-PRESSING OF PLYWOOD), LUMBER CORE PRESSES (FOR GLUING OF LUMBER CORES), TRAVELING-HEAD VENEER JOINTERS (FOR JOINTING VENEER), VENEER EDGE-GLUERS (FOR EDGE-TO-EDGE GLUING OF VENEER), AND GLUE SPREADERS (FOR SPREADING GLUE ON VENEER SURFACES).
Claims use since May 16, 1927.

Ser. No. 450,356. THE DE LAVAL SEPARATOR COMPANY, New York, N. Y. Filed Jan. 21, 1942.



FOR CENTRIFUGAL SEPARATORS.
Claims use since Nov. 10, 1941.

Ser. No. 452,788. ROTARY LIFT COMPANY, Memphis, Tenn. Filed May 4, 1942.

Oildraulic

FOR FLUID OPERATED FREIGHT AND PASSENGER ELEVATORS AND AUTOMOBILE, BUS, TRUCK, AND FREIGHT LIFTS.
Claims use since July 1, 1927.

Ser. No. 454,000. THE ALLIANCE MANUFACTURING COMPANY, Alliance, Ohio. Filed July 2, 1942.

TAMCO

FOR SPECIAL INDIVIDUALLY DESIGNED MACHINE TOOLS, DIES, JIGS, AND FIXTURES.
Claims use since Jan. 1, 1942.

Ser. No. 454,083. E. C. HORNE, doing business as E. C. Horne Machinery Co., Denver, Colo. Filed July 7, 1942.

FLEXOVEYOR

FOR FLEXIBLE, SPRING BELT CONVEYORS.
Claims use since Nov. 10, 1941.

Ser. No. 454,158. THE UNIVERSAL MILKING MACHINE COMPANY, Waukesha, Wis. Filed July 10, 1942.

"Calf Nose"

FOR MILKING MACHINES, INCLUDING PARTS AND APPURTENANCES THEREOF—NAMELY, PULSATORS, TEAT CUP INFLATIONS, TEAT CUP SHELLS, TEAT CUP CLAWS, RECEIVERS AND PUMPS.
Claims use since Nov. 13, 1941, on teat cup inflations; and since June 10, 1942, on remaining goods.

CLASS 25

LOCKS AND SAFES

Ser. No. 449,159. SIGNODE STEEL STRAPPING COMPANY, Chicago, Ill. Filed Dec. 3, 1941.



Applicant is the owner of Trade-Mark Registrations Nos. 161,624 and 116,862. The word "System" is disclaimed apart from the mark.
FOR METALLIC FASTENING SEALS FOR STRAPPING USED TO BIND BALES, BOXES, AND OTHER PACKAGES AND THE LIKE.
Claims use since Aug. 15, 1916.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 454,440. TRABERT & HOEFFER INC., New York, N. Y. Filed July 22, 1942.

THE NASSAK

FOR DIAMONDS AND PRECIOUS STONES.
Claims use since Nov. 30, 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 454,764. PARFUMERIE DE RAYMOND, New York, N. Y. Filed Aug. 6, 1942.

SPARKELITE

FOR HAIR BRUSHES.
Claims use since September, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 450,817. THE STANDARD REGISTER COMPANY, Dayton, Ohio. Filed Feb. 6, 1942.

Unisystem

FOR OFFICE FURNITURE COMPRISING A UNITARY STRUCTURE INCLUDING A SAFE, A FILE CABINET AND A RECORDING MACHINE.
Claims use since Dec. 1, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 436,984. AKTIEBOLAGET ORREFORS GLASBRUK, Orrefors, Sweden. Filed Oct. 16, 1940.

ORREFORS
SWEDEN

No claim is made to the words "Orrefors, Sweden" apart from the mark.
FOR LAMP GLOBES, LAMP SHADES, AND LAMP LENSES, BODIES, PENDANTS, AND DECORATIVE PRISMS.
Claims use since 1925.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 438,635. STRAUSS STORES CORP., Maspeth, Long Island, N. Y. Filed Dec. 7, 1940.

Regal Mainliner

FOR PNEUMATIC VEHICLE TIRES AND INNER TUBES THEREFOR.
Claims use since May 26, 1939.

CLASS 37

PAPER AND STATIONERY

Ser. No. 454,112. BURTON PAPER PRODUCTS CORP, New York, N. Y. Filed July 9, 1942.



Applicant disclaims "One Dozen" and also the representation of the rolls of paper.
FOR PAPER ROLLS FOR ADDING AND CALCULATING MACHINES.
Claims use since June 15, 1942.

Ser. No. 454,140. LEADWAY STORES CORPORATION, doing business as Leadway Foods, Chicago, Ill. Filed July 10, 1942.

Sofpure

FOR TOILET AND FACIAL TISSUE.
Claims use since March 19, 1942.

Ser. No. 454,312. ROCKWELL-BARNES COMPANY, Chicago, Ill. Filed July 18, 1942.

GLORYTONE

FOR MIMEOGRAPH PAPER.
Claims use since June 29, 1942.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 446,193. WILLIAM H. DIETZ, Pittsburgh, Pa. Filed Aug. 13, 1941.

THE REVEALER

FOR PRINTED NOVELTY CARDS.
Claims use since October, 1940.

CLASS 39

CLOTHING

Ser. No. 446,448. BROWNING KING & CO., OF NEW YORK, INC., New York, N. Y. Filed Aug. 22, 1941.

Windsor House

Applicant disclaims the word "Windsor" apart from the mark.
FOR MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, SPORT COATS, TOP SHIRTS, HATS, HOSIERY, UNDERWEAR AND PAJAMAS; RAINCOATS AND NECKTIES.
Claims use since August, 1936.

Ser. No. 450,287. SCHILLER BROS., INC., New York, N. Y. Filed Jan. 17, 1942.

DEFENSE BLUE

No claim is made to the word "Blue" apart from the mark.
FOR LADIES' LINGERIE—NAMELY, SLIPS, PETTICOATS, PANTIES, BRASSIÈRES, NIGHTGOWNS, PAJAMAS, AND NEGLIGEES.
Claims use since Dec. 18, 1941.

Ser. No. 452,806. LAURA LEE FROCKS, INC., St. Louis, Mo. Filed May 5, 1942.

Juke Suit

The word "Suit" is disclaimed apart from the mark.
FOR LADIES' SUITS.
Claims use since Apr. 29, 1942.

Ser. No. 453,457. E. LASNER INC., New York, N. Y. Filed June 4, 1942.

Ella Lou, Jr.

FOR FUR COATS AND FUR STROLLERS (THREE-QUARTER OR FINGERTIP LENGTH FUR COATS).
Claims use since Feb. 1, 1942.

Ser. No. 454,218. GRACE FRIEDER OPPENHEIMER, doing business as Grace Fredericks, New York, N. Y. Filed July 14, 1942.

Grace Fredericks

The mark is a facsimile of the professional signature of applicant, who is a designer and known in business as "Grace Fredericks."
FOR WOMEN'S AND MISSES' COLLARS, BLOUSES, SCARVES, DICKEYS, DRESSES, JACKETS, OUTER SKIRTS, HOUSECOATS, PLAY-SUITS, BELTS IN THE NATURE OF GARMENT ACCESSORIES; AND BEACH APPAREL, CONSISTING OF BATHING SUITS, BATHING SHOES, HALTERS, BEACH-ROBES, BEACH PAJAMAS, AND BEACH CAPES.
Claims use since June 20, 1942.

Ser. No. 454,281. JOSEPH ZIMMERMAN, New York, N. Y. Filed July 16, 1942.

JUNIOR MOM

The word "Junior" is disclaimed apart from the mark
FOR WOMEN'S DRESSES AND DRESS ENSEMBLES, CONSISTING OF DRESS AND JACKET, AND LADIES' SLACKS.
Claims use since July 6, 1942.

Ser. No. 454,628. BEST & CO. INC., New York, N. Y. Filed July 31, 1942.

SHUT OUT

FOR WOMEN'S, MISSES', AND CHILDREN'S HATS, DRESSES, COATS, SUITS, OUTERSKIRTS, UNDERSKIRTS, AND JACKETS MADE OF WOOL OR LEATHER.
Claims use since July 29, 1942.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 453,830. POLAN, KATZ AND COMPANY, Baltimore, Md. Filed June 23, 1942.

Super-Hercules

FOR UMBRELLAS.
Claims use since Jan. 5, 1932.

CLASS 42

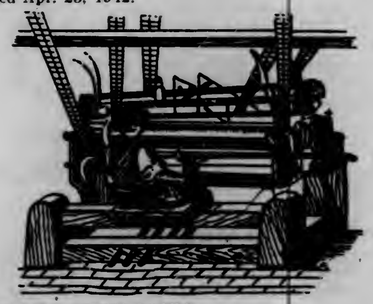
KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 452,366. ARTLOOM CORPORATION, Philadelphia, Pa. Filed Apr. 15, 1942.



No claim is made to any of the matter on the drawing except the expression "Artloom" apart from the mark.
FOR CARPETS AND RUGS.
Claims use since Nov. 3, 1941.

Ser. No. 452,544. TISSUS BABOIN, INC., New York, N. Y. Filed Apr. 23, 1942.



FOR SILK PIECE GOODS.
Claims use since 1840.

Ser. No. 453,852. WM. SIMPSON, SONS & CO., INC., Philadelphia, Pa. Filed June 24, 1942.

TWILL TEX

No claim is made to the word "Twill" apart from the mark.
FOR COTTON PIECE GOODS.
Claims use since July 9, 1940.

Ser. No. 454,288. FORSTMANN WOOLEN CO., Passaic, N. J. Filed July 17, 1942.

Balalaika

FOR WOOLEN PIECE GOODS.
Claims use since July 1, 1942.

CLASS 43

THREAD AND YARN

Ser. No. 453,605. TOWER BRAND YARN CORPORATION, Brooklyn, N. Y. Filed June 11, 1942.

GLOWCORD

FOR COATED YARN AND THREAD.
Claims use since Jan. 2, 1942.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 433,622. PIG'N WHISTLE CORPORATION, San Francisco, Calif. Filed July 2, 1940.



FOR CANDY, CONFECTIONERY—NAMELY, ICE CREAM AND FROZEN DESSERTS, AND BAKERY PRODUCTS—NAMELY, CAKES, PIES, COFFEE CAKES, FRENCH AND DANISH PASTRIES, MUFFINS, DOUGHNUTS, BUNS, MERINGUE SHELLS, SOFT ROLLS, COOKIES, PATTY SHELLS, PIE COVERS, CHOCOLATE GINGER BREAD AND BUTTERHORNS.
Claims use since July 1, 1911.

Ser. No. 433,625. PIG'N WHISTLE CORPORATION, San Francisco, Calif. Filed July 2, 1940.

Pig'n Whistle

FOR CANDY, CONFECTIONERY—NAMELY, ICE

CREAM AND FROZEN DESSERTS, AND BAKERY PRODUCTS—NAMELY, CAKES, PIES, COFFEE CAKES, FRENCH AND DANISH PASTRIES, MUFFINS, DOUGHNUTS, BUNS, MERINGUE SHELLS, SOFT ROLLS, COOKIES, PATTY SHELLS, PIE COVERS, CHOCOLATE GINGER BREAD AND BUTTERHORNS.
Claims use since Nov. 1, 1908.

Ser. No. 442,142. SANTA ROSA ESTANCIAS SOCIEDAD ANONIMA, Buenos Aires, Republic of Argentine. Filed Mar. 31, 1941.

Santa Rosa

Applicant is the owner of trade-mark registration No. 339,780.
FOR CHEESE.
Claims use since February, 1932.

Ser. No. 443,966. NORMAN L. WAGGONER, INC., San Francisco, Calif. Filed May 26, 1941.



No claim is made to the wording apart from the mark "Coronado."
FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since May 3, 1940.

Ser. No. 445,808. JOAO DA CRUZ GARGALO, doing business as Joao C. Gargalo, Setubal, Portugal. Filed July 31, 1941.

PERLE DE L'OCÉAN
(PORTUGAL)

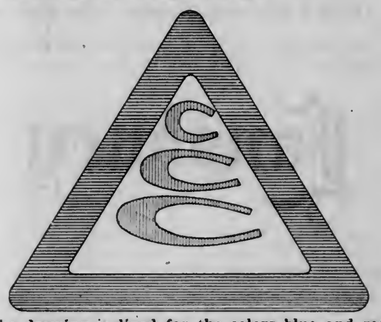
The word "Portugal" is disclaimed apart from the mark.
FOR PRESERVED FISH—NAMELY, ANCHOVIES, SQUIDS, CUTTLEFISH, COCKLES, PULPO, CHINCHARD, MACKEREL, AND BONITA.
Claims use since Dec. 13, 1933.

Ser. No. 452,834. NATIONAL GRAPE CORPORATION, New York and Brocton, N. Y. Filed May 6, 1942.

C&E

FOR GRAPE JELLY.
Claims use since Apr. 30, 1942.

Ser. No. 453,139. CONCORD CHEESE CORPORATION, Fond du Lac, Wis. Filed May 20, 1942.



The drawing is lined for the colors blue and red.
FOR CHEESE.
Claims use since Feb. 2, 1941.

Ser. No. 454,499. BORDER PACKING CORPORATION, Brownsville, Tex. Filed July 25, 1942.



FOR CANNED GRAPEFRUIT JUICE, BLENDED ORANGE AND GRAPEFRUIT JUICES, AND CANNED ORANGE JUICE.
Claims use since 1939.

Ser. No. 454,604. HOUSE OF HERBS, INC., Canaan, Conn. Filed July 30, 1942.

SYLPH

FOR NON-FATTENING FRENCH DRESSING WITH FRESH HERBS.
Claims use since June 26, 1942.

Ser. No. 454,762. NUTRENA MILLS, INC., Kansas City, Kans. Filed Aug. 6, 1942.

"Show-Dog"

The word "Dog" is disclaimed apart from the mark.
FOR DOG FOOD.
Claims use since Apr. 6, 1942.

Ser. No. 454,765. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Aug. 6, 1942.

OVENRICHED

FOR WHEAT FLOUR.
Claims use since July 2, 1942.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 454,132. CANADIAN AMERICAN SPIRITS CORP., Jersey City, N. J. Filed July 10, 1942.

Lansbury

FOR WHISKEY.
Claims use since April, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 452,055. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed Mar. 31, 1942.

COLORCADE

FOR DISPLAY DEVICES FOR DISPLAYING OF INTERIORS AND EXTERIORS OF HOUSES IN MINIATURE FOR THE PURPOSE OF EVALUATING THE RELATIVE MERITS OF DIFFERENT COLOR COMBINATIONS.
Claims use since Jan. 14, 1942.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 29, 1942

397,870. MEN'S AND BOYS' OUTER AND UNDER SHIRTS, HATS, LEATHER SHOES, COLLARS, NECKTIES, AND HOSIERY. ROGERS PEET COMPANY, New York, N. Y.
Filed August 7, 1940. Serial No. 434,759. PUBLISHED JULY 21, 1942. Class 39.

397,871. INSECTICIDES. P. C. PRODUCT COMPANY, St. Louis, Mo.
Filed September 30, 1940. Serial No. 436,521. PUBLISHED JULY 14, 1942. Class 6.

397,872. HAIR WAVING SOLUTIONS. JAMES O. GILCHRIST, doing business as Turbanway Company, Iowa City, Iowa, assignor to Turbanway, Inc., Washington, D. C., a corporation of Delaware.
Filed November 23, 1940. Serial No. 438,231. PUBLISHED JULY 21, 1942. Class 6.

397,873. FABRIC PRINTING INKS. MCCABE PAINT & VARNISH CO., New Brunswick and Irvington, N. J.
Filed January 17, 1941. Serial No. 439,758. PUBLISHED JULY 21, 1942. Class 11.

397,874. PNEUMATIC TIRES MADE OF RUBBER OR RUBBER AND FABRIC. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed April 29, 1941. Serial No. 443,075. PUBLISHED JULY 21, 1942. Class 35.

397,875. CERAMIC STATUARY, FIGURINES, AND BRIC-A-BRAC. FRANKOMA POTTERIES, INC., Sapulpa, Okla.
Filed May 12, 1941. Serial No. 443,502. PUBLISHED JULY 21, 1942. Class 50.

397,876. OLIVE OIL. UDDO TAORMINA CORP., Brooklyn and New York, N. Y., assignor to Uddo & Taormina Company, Brooklyn, N. Y., a firm.
Filed May 26, 1941. Serial No. 443,961. PUBLISHED JULY 21, 1942. Class 46.

397,877. MEN'S, YOUNG MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, INCLUDING COATS, VESTS, AND TROUSERS, OVERCOATS, TOPCOATS, RAINCOATS, JACKETS, AND SLACKS. SCHLOSS BROS. & CO., INC., Baltimore, Md.
Filed June 24, 1941. Serial No. 444,800. PUBLISHED JULY 21, 1942. Class 39.

397,878. DIE CASTINGS OF NON-FERROUS METAL PRINCIPALLY OF ALUMINUM ALLOYS. STEWART-WARNER CORPORATION, Chicago, Ill.
Filed August 11, 1941. Serial No. 446,150. PUBLISHED MARCH 24, 1942. Class 14.

397,879. COMBINED POLISHING AND CLEANING COMPOUND FOR FURNITURE. WILLIAM W. JAKUBIAK, Stamford, Conn.
Filed August 19, 1941. Serial No. 446,360. PUBLISHED JULY 14, 1942. Class 16.

397,880. HOSIERY. MURPHY, BRILL AND SAHNER, INC., New York, N. Y.
Filed September 2, 1941. Serial No. 446,742. PUBLISHED JULY 21, 1942. Class 39.

397,881. MEAT PRODUCTS—NAMELY, SAUSAGE, HAM, BACON, BEEF LOAVES, AND MEAT LOAVES. OSCAR MAYER & CO., Chicago, Ill.
Filed September 15, 1941. Serial No. 447,046. PUBLISHED JULY 21, 1942. Class 46.

397,882. MEAT PRODUCTS—NAMELY, SAUSAGE, HAM, BACON, BEEF, AND MEAT LOAVES. OSCAR MAYER & CO., Chicago, Ill.
Filed September 15, 1941. Serial No. 447,047. PUBLISHED JULY 21, 1942. Class 46.

397,883. CRACKER SANDWICHES WITH CHEESE FILLING. THE FRITO COMPANY, Dallas, Tex.
Filed September 9, 1941. Serial No. 447,175. PUBLISHED APRIL 14, 1942. Class 46.

397,884. GLASS COOKWARE. CLUB ALUMINUM PRODUCTS CO., Chicago, Ill.
Filed September 25, 1941. Serial No. 447,302. PUBLISHED JULY 21, 1942. Class 33.

397,885. APPLIANCES FOR SANITARY COVERINGS FOR PHYSICIANS' AND SURGEONS' EXAMINING TABLES. HAMILTON MANUFACTURING COMPANY, Two Rivers, Wis.
Filed September 25, 1941. Serial No. 447,306. PUBLISHED JULY 21, 1942. Class 44.

397,886. DART GAME. BAYARD REED, Palos Park, Ill.
Filed October 22, 1941. Serial No. 448,008. PUBLISHED JULY 21, 1942. Class 22.

397,887. ELECTRICAL DYNAMOTORS, GENERATORS, CONVERTERS, AND MOTORS. WINCHARGER CORPORATION, Sioux City, Iowa.
Filed November 1, 1941. Serial No. 448,351. PUBLISHED DECEMBER 30, 1941. Class 21.

397,888. TOILET WATER, PERFUMES, FACE POWDER. GERMAINE MONTEIL PARFUMS, INC., New York, N. Y.
Filed November 18, 1941. Serial No. 448,726. PUBLISHED JULY 21, 1942. Class 6.

397,889. AUTOMATIC PIPETTE. RAYMOND CAMPBELL Hammonton, N. J.
Filed November 22, 1941. Serial No. 448,816. PUBLISHED JULY 21, 1942. Class 26.

397,890. WELDING WIRE. HOLLUP CORPORATION, Chicago, Ill.
Filed November 22, 1941. Serial No. 448,829. PUBLISHED JULY 14, 1942. Class 14.

397,891. DISPLAY TYPE LOOSE-LEAF PORTFOLIOS. THE BURKHARDT COMPANY, Detroit, Mich.
Filed November 24, 1941. Serial No. 448,852. PUBLISHED JULY 21, 1942. Class 3.

397,892. WHEAT FLOUR. HANOVER STAR MILLING CO., Germantown, Ill.
Filed December 8, 1941. Serial No. 449,272. PUBLISHED JULY 21, 1942. Class 46.

397,893. EMPTY FIRST AID CASES MADE OF LEATHER, SIMULATED LEATHER, FABRICS, PAPER, PLASTICS, WOOD, AND METAL. NEW ENGLAND CALENDAR COMPANY, INC., Boston, Mass.
Filed January 10, 1942. Serial No. 450,141. PUBLISHED MAY 26, 1942. Class 2.

397,894. WATCHES AND CLOCKS. JEWEL-SMITHS, INC., Boston, Mass.
Filed February 9, 1942. Serial No. 450,855. PUBLISHED JULY 21, 1942. Class 27.

397,895. AGGREGATES COMPRISING CRUSHED ROCK FRAGMENTS FOR USE IN TUMBLING BARRELS FOR POLISHING PURPOSES. THE STURGIS PRODUCTS COMPANY, Sturgis, Mich.
Filed February 20, 1942. Serial No. 451,124. PUBLISHED JULY 14, 1942. Class 4.

397,896. GASEOUS FUEL BURNING DOMESTIC COOKING RANGES. AMERICAN STOVE COMPANY, St. Louis, Mo.
Filed February 25, 1942. Serial No. 451,193. PUBLISHED JULY 21, 1942. Class 34.

397,897. DENTAL SUPPLIES—NAMELY, CASTING GOLDS, GOLD, SILVER, PLATINUM, PALADIUM, ETC. SPYCO SMELTING AND REFINING CO., Minneapolis, Minn.
Filed February 25, 1942. Serial No. 451,214. PUBLISHED JULY 21, 1942. Class 44.

397,898. LUBRICATING OILS AND GREASES. AUTOLENE LUBRICANTS COMPANY, Denver, Colo.
Filed March 4, 1942. Serial No. 451,375. PUBLISHED JULY 14, 1942. Class 15.

397,899. LIQUID MEDICINAL PREPARATION ADMINISTERED PARENTERALLY AND USED IN THE TREATMENT OF VARIOUS NUTRITIONAL AND VITAMIN DEFICIENCIES AND VARIOUS TYPES OF ANEMIAS. VINCENT CHRISTINA & CO., INC., New York, N. Y.
Filed March 10, 1942. Serial No. 451,527. PUBLISHED JULY 14, 1942. Class 6.

397,900. LIQUID MEDICINAL PREPARATION ADMINISTERED PARENTERALLY AND USED IN THE TREATMENT OF VARIOUS NUTRITIONAL AND VITAMIN DEFICIENCIES. VINCENT CHRISTINA & CO., INC., New York, N. Y.
Filed March 10, 1942. Serial No. 451,528. PUBLISHED JULY 14, 1942. Class 6.

397,901. ABRASIVE CLEANSER FOR GENERAL HOUSEHOLD PURPOSES. NEWELL GUTRADT COMPANY, doing business as Strykers Soap Co., San Francisco, Calif.
Filed March 13, 1942. Serial No. 451,603. PUBLISHED JULY 14, 1942. Class 4.

397,902. ROUGH, UNFINISHED, AND PARTLY FINISHED CASTINGS MADE FROM COPPER, ALUMINUM, ALUMINUM ALLOYS, BRASS, BRONZE, IRON, SEMI-STEEL, STEEL, MAGNESIUM, MAGNESIUM ALLOYS, BERYLLIUM, AND BERYLLIUM COPPER. RAYMOND H. OSBRINK, doing business as R. H. Osbrink Mfg. Company, Los Angeles, Calif.
Filed March 17, 1942. Serial No. 451,686. PUBLISHED JULY 21, 1942. Class 14.

397,903. ABSORBENTS, ALKALIZERS, ALLERGENS, ALTERATIVES, AMEBICIDES, ANALGESICS, ANAPHRODISIACS, ETC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed March 31, 1942. Serial No. 452,054. PUBLISHED JULY 21, 1942. Class 6.

397,904. BEAN SPROUTS, MIXED VEGETABLES, CHOW MEIN NOODLES, WATER CHESTNUTS, BAMBOO SHOOTS, ETC. LA CHOY FOOD PRODUCTS, INC., Archbold, Ohio.
Filed April 1, 1942. Serial No. 452,073. PUBLISHED JULY 21, 1942. Class 46.

397,905. UMBRELLAS. JACOB CLEMMONS YOUNG, Austin, Tex.
Filed April 6, 1942. Serial No. 452,180. PUBLISHED JULY 7, 1942. Class 41.

397,906. MOUTHPIECES FOR WIND MUSICAL INSTRUMENTS. ARNOLD BRILHART, Great Neck, N. Y.
Filed April 9, 1942. Serial No. 452,239. PUBLISHED JUNE 9, 1942. Class 36.

397,907. WOOLEN AND WORSTED TEXTILE PIECE GOODS. AMALGAMATED TEXTILES LIMITED, New York, N. Y.
Filed April 13, 1942. Serial No. 452,300. PUBLISHED JULY 21, 1942. Class 42.

397,908. BAR STEEL. HORACE T. POTTS CO., Philadelphia, Pa.
Filed April 14, 1942. Serial No. 452,334. PUBLISHED JULY 21, 1942. Class 14.

397,909. EMPTY COTTON AND CLOTH BAGS. NEW ENGLAND CALENDAR COMPANY, INC., Boston, Mass.
Filed April 15, 1942. Serial No. 452,361. PUBLISHED JULY 21, 1942. Class 2.

397,910. WOMEN'S, MISSES', JUNIORS', GIRLS', BOYS', CHILDREN'S, AND INFANTS' COATS AND HATS. LOUIS GREENBERG & BRO., INC., New York, N. Y.
Filed April 18, 1942. Serial No. 452,424. PUBLISHED JULY 21, 1942. Class 39.

397,911. BLANKETS AND PIECE GOODS OF COTTON, RAYON, AND WOOL, AND COMBINATIONS THEREOF. WHITTENTON MANUFACTURING COMPANY, Taunton, Mass.
Filed April 18, 1942. Serial No. 452,440. PUBLISHED JULY 21, 1942. Class 42.

397,912. ABSORBENTS, ALKALIZERS, ALLERGENS, ALTERATIVES, AMEBICIDES, ANALGESICS, ANAPHRODISIACS, ETC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed April 20, 1942. Under section 5b of the act of 1905 as amended in 1920. Serial No. 452,456. PUBLISHED JULY 14, 1942. Class 6.

397,913. PREPARATION IN LIQUID FORM FOR USE IN RECTAL THERAPY, PARTICULARLY IN THE TREATMENT AND PALLIATIVE RELIEF OF PILES. ANNIE MOORE, doing business as A-M Products, Atlanta, Ga.
Filed April 21, 1942. Serial No. 452,481. PUBLISHED JULY 7, 1942. Class 6.

397,914. CARBON STEEL, ALLOY STEEL, SEMI-STEEL, MALLEABLE AND GREY IRON CASTINGS. THE SYMINGTON-GOULD CORPORATION, Rochester and Depew, N. Y.
Filed April 23, 1942. Serial No. 452,543. PUBLISHED JULY 21, 1942. Class 14.

397,915. GRAHAM FLOUR, RYE GRAHAM FLOUR, RYE PUMPERNICKEL FLOUR, WHEAT FLOUR, ETC. GEORGE OSCAR SMITH, doing business as Wallkill Valley Mills, Gardiner, N. Y.
Filed April 24, 1942. Serial No. 452,570. PUBLISHED JULY 21, 1942. Class 46.

397,916. MINERAL INGREDIENT FOR AN ANIMAL FEED USED BY CATTLE, POULTRY, AND HOGS. SEA BOARD SALES CO., INC., Philadelphia, Pa.
Filed April 25, 1942. Serial No. 452,587. PUBLISHED JULY 21, 1942. Class 6.

397,917. EMBALMING FLUID. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn.
Filed April 28, 1942. Serial No. 452,642. PUBLISHED JULY 21, 1942. Class 6.

397,918. ART NEEDLEWORK YARNS. FLEISHER YARNS, INC., New York, N. Y.
Filed April 28, 1942. Serial No. 452,644. PUBLISHED JULY 7, 1942. Class 43.

397,919. LEATHER BOXES FOR USE IN STORING MISCELLANEOUS ARTICLES. ROTH & WIENER, INC., New York, N. Y.
Filed April 28, 1942. Serial No. 452,654. PUBLISHED JULY 21, 1942. Class 2.

397,920. CANNED TOMATOES. ALBERT W. SISK & SON, Preston, Md.
Filed April 28, 1942. Serial No. 452,656. PUBLISHED JULY 21, 1942. Class 46.

397,921. MEN'S BELTS FOR OUTER WEAR, SUSPENDERS, AND NECKTIES. GEM-DANDY, INC., Madison, N. C.
Filed May 1, 1942. Serial No. 452,722. PUBLISHED JULY 21, 1942. Class 39.

397,922. WHEAT FLOUR. DULUTH UNIVERSAL MILLING COMPANY, Duluth, Minn.
Filed May 5, 1942. Serial No. 452,800. PUBLISHED JULY 21, 1942. Class 46.

397,923. PAINTS—VIZ., PAINT IN SEMI-PASTE FORM. WESCO WATERPAINTS, INC., Berkeley, Calif.
Filed May 5, 1942. Serial No. 452,817. PUBLISHED JULY 21, 1942. Class 16.

397,924. HANDKERCHIEFS. BERNHARD WOLF, New York, N. Y.
Filed May 6, 1942. Serial No. 452,846. PUBLISHED JULY 21, 1942. Class 39.

397,925. PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF OVARIAN DEFICIENCIES. AYERST, MCKENNA & HARRISON (UNITED STATES) LIMITED, Rouses Point, N. Y.
Filed May 9, 1942. Serial No. 452,899. PUBLISHED JULY 21, 1942. Class 6.

397,926. DISPLAY RACKS. KELLOGG COMPANY, Battle Creek, Mich.
Filed May 9, 1942. Serial No. 452,908. PUBLISHED JULY 21, 1942. Class 32.

397,927. ATOMIZING AND NEBULIZING APPARATUS, HYPODERMIC NEEDLES, SURGICAL DRESSINGS, AND HYPODERMIC SYRINGES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed May 11, 1942. Serial No. 452,937. PUBLISHED JULY 21, 1942. Class 44.

397,928. POWDERED DIGITALIS LEAF HERMETICALLY SEALED IN OIL PUT UP IN CAPSULE FORM. THE G. F. HARVEY COMPANY, Saratoga Springs, N. Y.
Filed May 12, 1942. Serial No. 452,960. PUBLISHED JULY 14, 1942. Class 6.

397,929. HOSIERY FOR MEN, WOMEN, AND CHILDREN. HAROLD E. PARKER, doing business as Varina KNITTING COMPANY, Varina, N. C.
Filed May 12, 1942. Serial No. 452,968. PUBLISHED JULY 21, 1942. Class 39.

397,930. CORROSION RESISTING COATING MATERIALS (PAINT), AND THINNERS. UNITED CHROMIUM, INCORPORATED, New York, N. Y.
Filed May 12, 1942. Serial No. 452,973. PUBLISHED JULY 14, 1942. Class 16.

397,931. LEATHER. R. NEUMANN & COMPANY, Hoboken, N. J.
Filed May 13, 1942. Serial No. 452,985. PUBLISHED JULY 21, 1942. Class 1.

397,932. LADIES' AND MISSES' DRESSES. EDITH D. TOBIN, doing business as Jack Tobin, Philadelphia, Pa.
Filed May 13, 1942. Serial No. 452,993. PUBLISHED JULY 21, 1942. Class 39.

397,933. LADIES' AND MISSES' DRESSES. EDITH D. TOBIN, doing business as Jack Tobin, Philadelphia, Pa.
Filed May 13, 1942. Serial No. 452,995. PUBLISHED JULY 21, 1942. Class 39.

397,934. WINDOW-GLASS PAINT. THE WILBUR & WILLIAMS COMPANY, Boston, Mass.
Filed May 13, 1942. Serial No. 453,002. PUBLISHED JULY 14, 1942. Class 16.

397,935. CRUDE TALL OIL (TALLOEL) SOAP DERIVED FROM THE FATS AND RESINS OF PINE WOOD. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y.
Filed May 14, 1942. Serial No. 453,022. PUBLISHED JULY 14, 1942. Class 4.

397,936. LADIES', CHILDREN'S AND MEN'S GLOVES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. BACMO POSTMAN CORPORATION, New York, N. Y.
Filed May 15, 1942. Serial No. 453,026. PUBLISHED JULY 21, 1942. Class 39.

397,937. COSMETICS, PERFUMES, THEATRICAL MAKE-UP, AND SIMILAR PREPARATIONS—NAMELY, FACE POWDER, ROUGE, ETC. MAX FACTOR & CO., Los Angeles, Calif.
Filed May 15, 1942. Serial No. 453,033. PUBLISHED JULY 21, 1942. Class 6.

397,938. HOUSEHOLD CHAIRS. MUELLER FURNITURE CO., Grand Rapids, Mich.
Filed May 15, 1942. Serial No. 453,034. PUBLISHED JULY 21, 1942. Class 32.

397,939. BOYS' AND YOUNG MEN'S SUITS, OVERCOATS, AND TOPCOATS. SAKS & COMPANY, New York, N. Y.
Filed May 15, 1942. Serial No. 453,036. PUBLISHED JULY 21, 1942. Class 39.

397,940. CHEMICAL COMPOUND USED FOR EXTINGUISHING FIRES AND INCENDIARY BOMBS. P. J. GOODMAN, doing business as Ray Engineering Company, Philadelphia, Pa.
Filed May 16, 1942. Serial No. 453,055. PUBLISHED JULY 21, 1942. Class 6.

397,941. SPORTSWEAR FOR WOMEN AND CHILDREN—NAMELY, COATS, SUITS, SLACKS, TOPCOATS, SWEATERS, DRESSES, SKIRTS, BLOUSES, JACKETS, HATS, BATHING SUITS, SHORTS, AND SHIRTS. GRAEWIL SPORTSWEAR, INC., Irvington, N. J.
Filed May 16, 1942. Serial No. 453,056. PUBLISHED JULY 21, 1942. Class 39.

397,942. LADIES', MEN'S, AND BOYS' SHOES, MADE OF LEATHER, RUBBER, FABRIC, OR VARIOUS COMBINATIONS OF SUCH MATERIALS. A. E. NETTLETON COMPANY, Syracuse, N. Y.
Filed May 16, 1942. Serial No. 453,061. PUBLISHED JULY 21, 1942. Class 39.

397,943. LAUNDRY SOURING COMPOUNDS. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 16, 1942. Serial No. 453,062. PUBLISHED JULY 14, 1942. Class 6.

397,944. LAUNDRY SOURING COMPOUNDS. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 16, 1942. Serial No. 453,063. PUBLISHED JULY 14, 1942. Class 6.

397,945. LAUNDRY SOURING COMPOUNDS. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 16, 1942. Serial No. 453,064. PUBLISHED JULY 14, 1942. Class 6.

397,946. LAUNDRY SOURING COMPOUNDS. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 16, 1942. Serial No. 453,065. PUBLISHED JULY 14, 1942. Class 6.

397,947. TEXTILE FABRICS IN THE PIECE MADE OF WOOL, COTTON, SILK, RAYON, AND MIXTURES THEREOF. CHAS. BERNSTEIN & SON, INC., New York, N. Y.
Filed May 18, 1942. Serial No. 453,073. PUBLISHED JULY 21, 1942. Class 42.

397,948. HAIR PREPARATIONS—NAMELY, SHAMPOO AND SULPHUR HAIR CREAM. WILLIAM A. SCHWALB, doing business as Edghills Laboratories, New York, N. Y.
Filed May 18, 1942. Serial No. 453,090. PUBLISHED JULY 21, 1942. Class 6.

397,949. STERLING SILVER FLATWARE. EMPIRE CRAFTS CORPORATION, Newark, N. Y.
Filed May 19, 1942. Serial No. 453,101. PUBLISHED JULY 21, 1942. Class 28.

397,950. STERLING SILVER FLATWARE. EMPIRE CRAFTS CORPORATION, Newark, N. Y.
Filed May 19, 1942. Serial No. 453,102. PUBLISHED JULY 21, 1942. Class 28.

397,951. WATCHES AND WATCH MOVEMENTS, WATCHCASES, AND PARTS THEREOF. R. GSELL & Co., INC., New York, N. Y.
Filed May 19, 1942. Serial No. 453,108. PUBLISHED JULY 21, 1942. Class 27.

397,952. SHOE STUDS. JOSEPH R. BERNSTEIN, Chicago, Ill.
Filed May 21, 1942. Serial No. 453,150. PUBLISHED JULY 21, 1942. Class 13.

397,953. PERFUME AND TOILET WATER, FACE POWDER, AND LIPSTICK. SIDNEY HENRY, New York, N. Y.
Filed May 21, 1942. Serial No. 453,153. PUBLISHED JULY 21, 1942. Class 6.

397,954. LACQUER COATINGS FOR PLASTIC SHEETING, PAINT, LACQUER, AND ENAMEL COATINGS USED FOR PROTECTING STEEL AND OTHER METALS, WOOD, BRICK, AND CONCRETE. CORROSION CONTROL CORPORATION, Norwalk, Conn.
Filed May 22, 1942. Serial No. 453,175. PUBLISHED JULY 21, 1942. Class 16.

397,955. HOSIERY. P. T. CUTHBERT & CO., INC., New York, N. Y.
Filed May 22, 1942. Serial No. 453,176. PUBLISHED JULY 21, 1942. Class 39.

397,956. MACHINES FOR TESTING BALANCE OF TIRES AND OTHER CIRCULAR MEMBERS ADAPTED FOR ROTATION, AND ALSO MACHINES FOR TESTING AND CORRECTING SUCH BALANCE. JOSEPH P. LANNEN, doing business as Commerce Pattern, Foundry & Machine Company, Detroit, Mich.
Filed May 22, 1942. Serial No. 453,180. PUBLISHED JULY 21, 1942. Class 26.

397,957. HOSIERY. NORTHMONT HOSIERY CORPORATION, Reading, Pa.
Filed May 22, 1942. Serial No. 453,182. PUBLISHED JULY 21, 1942. Class 39.

397,958. DRESS PLACKETS. BENJAMIN LAYE, doing business as Ronnie Novelty Co., New York, N. Y.
Filed May 23, 1942. Serial No. 453,201. PUBLISHED JULY 21, 1942. Class 40.

397,959. LADIES' HANDBAGS, SUIT CASES, BILLFOLDS, EMPTY LEATHER CASES FOR MANICURE SETS, ETC. OVINGTON'S GIFT SHOP, INC., New York, N. Y.
Filed May 23, 1942. Serial No. 453,205. PUBLISHED JULY 21, 1942. Class 3.

397,960. RIBBON SOLD BY THE BOLT. W. & G. RIBBON CO., INC., New York, N. Y.
Filed May 23, 1942. Serial No. 453,224. PUBLISHED JULY 21, 1942. Class 42.

397,961. ADHESIVE MENDING TAPE TABS. JACOB GOODMAN, doing business as Mendaire Products Manufacturing Co., New York, N. Y.
Filed May 25, 1942. Serial No. 453,242. PUBLISHED JULY 21, 1942. Class 5.

397,962. WOMEN'S DRESSES, COATS, AND SUITS. BLAUNERS AFFILIATED STORES, INC., New York, N. Y.
Filed May 27, 1942. Serial No. 453,290. PUBLISHED JULY 21, 1942. Class 39.

397,963. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed May 27, 1942. Serial No. 453,304. PUBLISHED JULY 21, 1942. Class 6.

397,964. PHARMACEUTICAL PREPARATION—NAMELY, A SYNTHETIC ESTROGEN. SCHIEFFELIN & Co., New York, N. Y.
Filed May 28, 1942. Serial No. 453,343. PUBLISHED JULY 14, 1942. Class 6.

397,965. DEODORANT CREAM. THE BARBASOL COMPANY, Indianapolis, Ind.
Filed May 29, 1942. Serial No. 453,357. PUBLISHED JULY 14, 1942. Class 6.

397,966. NAIL POLISH. NORTHAM WARREN CORPORATION, Stamford, Conn.
Filed May 29, 1942. Serial No. 453,368. PUBLISHED JULY 14, 1942. Class 6.

397,967. NOSE DROPS. RHINOPTO COMPANY, Dallas, Tex.
Filed May 29, 1942. Serial No. 453,371. PUBLISHED JULY 21, 1942. Class 6.

397,968. COAL STOKERS. EARL A. STRANG, Waukegan, Ill.
Filed May 29, 1942. Serial No. 453,372. PUBLISHED JULY 21, 1942. Class 34.

397,969. REFRIGERATORS. THE COOLERATOR COMPANY, Duluth, Minn.
Filed June 6, 1942. Serial No. 453,506. PUBLISHED JULY 21, 1942. Class 31.

397,970. PRESSURE AMPULE EQUIPPED WITH A HYPODERMIC NEEDLE, STERILE AND READY FOR AUTOMATIC INJECTION. SCHERING CORPORATION, Bloomfield, N. J.
Filed June 6, 1942. Serial No. 453,520. PUBLISHED JULY 21, 1942. Class 44.

397,971. PAPER BAGS. UNION BAG & PAPER CORPORATION, New York, N. Y.
Filed June 6, 1942. Serial No. 453,524. PUBLISHED JULY 21, 1942. Class 2.

397,972. CHEMICAL PREPARATION FOR EXTINGUISHING FIRES. HALCO CHEMICAL CORP., New York and Rye, N. Y.
Filed June 9, 1942. Serial No. 453,566. PUBLISHED JULY 21, 1942. Class 6.

397,973. TOILET CREAM. CHARLES OF THE RITZ, INC., New York, N. Y.
Filed June 10, 1942. Serial No. 453,580. PUBLISHED JULY 21, 1942. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

397,974. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUFFALO PRODUCTS COMPANY, Denver, Colo. Filed June 22, 1939. Serial No. 420,804.

BUFFALO CHIPS

FOR BAKERS' PRODUCTS—NAMELY, WAFERS AND BISCUITS.
Claims use since June 10, 1939.

397,975. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. N. PRODUCTS COMPANY, Wichita Falls, Tex. Filed June 10, 1940. Serial No. 432,878.

Wichita Natural

FOR ANTISEPTIC BENEFICIAL FOR THE TREATMENT OF SKIN AND SCALP IRRITATIONS SUCH AS TETTER AND ECZEMA, DANDRUFF, RING WORMS, SKIN CANCER, POISON IVY, ATHLETIC FEET, ACNE, BURNS, SCALDS, SWOLLEN JOINTS, INSECT BITES AND STINGS, ACHES AND PAINS.
Claims use since May 28, 1940.

397,976. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ORIS WATCH CO. LTD., Holstein, Switzerland. Filed Jan. 10, 1941. Serial No. 439,549.

ORIS

FOR WATCHES AND CLOCKS AND PARTS THEREOF.
Claims use since 1904.

397,977. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HJALMAR HVAM, Portland, Oreg. Filed Feb. 17, 1941. Serial No. 440,721.

HJALMAR HVAM SAF-SKI

FOR SKI BINDINGS.
Claims use since Aug. 19, 1940.

397,978. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HYGRADE FOOD PRODUCTS CORPORATION, New York, N. Y. Filed May 21, 1941. Serial No. 443,764.

FAVORITE

FOR BACON AND SAUSAGE.
Claims use since April, 1909.

397,979. (CLASS 37. PAPER AND STATIONERY.) RAMSAY BUSINESS SYSTEMS INCORPORATED, Buffalo, N. Y. Filed May 31, 1941. Serial No. 444,095.

THE Ramsay BUSINESS SYSTEM

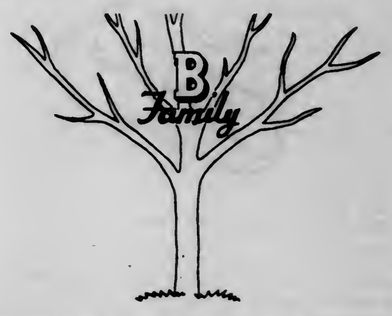
FOR PRINTED FORMS FOR KEEPING RECORDS.
Claims use since May 5, 1941.

397,980. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed June 11, 1941. Serial No. 444,406.

RIFFLE GRIP

FOR FLAT CONVEYOR BELTS OF RUBBER AND FABRIC.
Claims use since Apr. 9, 1941.

397,981. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MODERN PRODUCTS, INC., OF AMERICA, doing business under the name and style of Modern Products, Inc., Milwaukee, Wis. Filed June 12, 1941. Serial No. 444,464.



FOR VITAMIN B COMPLEX PRODUCT.
Claims use since Mar. 6, 1941.

397,982. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY K. BARNES COMPANY, Salem, Mass. Filed Aug. 12, 1941. Serial No. 446,158.

CHAM-I-TAN

FOR LEATHER TEXTILE APRONS.
Claims use since Apr. 5, 1941.

397,983. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MID-WEST ABRASIVE COMPANY, Detroit, Mich. Filed Aug. 18, 1941. Serial No. 446,330.

SUPERSTONE

FOR ABRASIVE MATERIAL IN MOLDED FORM.
Claims use since July 25, 1941.

397,984. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) FREDERICK H. CONE & COMPANY, INC., New York, N. Y. Filed Aug. 27, 1941. Serial No. 446,564.

BRIXTON

FOR PROCESSED HORSEHAIR.
Claims use since Aug. 15, 1941.

397,985. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MEISSNER MANUFACTURING COMPANY, Mount Carmel, Ill. Filed Sept. 13, 1941. Serial No. 447,039.

Brewster

FOR RADIO RECEIVERS, RADIO RECEIVER ADAPTERS, AND PARTS OF RADIO RECEIVERS.
Claims use since Apr. 30, 1941.

397,986. (CLASS 27. HOROLOGICAL INSTRUMENTS.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Jan. 31, 1942. Serial No. 450,617.

Tempus

FOR WATCHES.
Claims use since July 21, 1941.

397,987. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BESSIE L. HEWITT, Los Angeles, Calif. Filed Apr. 17, 1942. Serial No. 452,394.

Glyn La Marr

FOR COSMETICS, VIZ,—EYE CREAM, ASTRINGENT, ASTRINGENT BALM, POWDER FOUNDATION LOTION, CLEANSING CREAM, FACIAL PACK, TISSUE CREAM, MASSAGE CREAM, HAND LOTION, FACE POWDER, LIPSTICK, AND ROUGE.
Claims use since June 28, 1939.

397,988. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIEMS BROS., INC., St. Paul, Minn. Filed Apr. 30, 1942. Serial No. 452,700.

MALT-O-WHEAT

FOR CEREAL BREAKFAST FOODS MADE OF WHEAT AND MALTED BARLEY.
Claims use since Sept. 15, 1914.

397,989. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed May 2, 1942. Serial No. 452,741.

Little Giant

FOR BABY CHICKS.
Claims use since Feb. 11, 1941.

397,990. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE MORE-POWER AND LUBRI-COOL COMPANY, INC., Atlanta, Ga. Filed June 1, 1942. Serial No. 453,400.

MORE-POWER

FOR HARD-SETTING PLASTIC MATERIAL FOR COVERING WORKING SURFACES OF PULLEYS FOR STOPPING AND PREVENTING BELT SLIPPAGE.
Claims use since 1925.

397,991. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) V. SABELLA & CO. INC., New York, N. Y. Filed June 9, 1942. Serial No. 453,570.
The picture is fanciful.

SABELLA



FOR CANNED FRUITS, CANNED VEGETABLES, AND CANNED FISH.
Claims use since 1937.

397,992. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HARROWER LABORATORY, INC., Glendale, Calif. Filed July 13, 1942. Serial No. 454,190.

Citropectin

FOR COMBINATION OF HYDRATED MAGNESIUM TRISILICATE AND PECTIN FOR USE IN ALIMENTARY TOXEMIAS.
Claims use since Apr. 8, 1941.

TRADE-MARK REGISTRATIONS RENEWED

21,866. **"THE BOSS" AND DRAWING.** ANIMAL-SHOES. Registered October 18, 1892. BRYDEN HORSE SHOE COMPANY, Catasauqua, Pa. Re-renewed October 18, 1942, to Phoenix Manufacturing Company, Joliet, Ill., a corporation of Illinois, assignee by mesne assignments.

156,898. **"GREY EAGLE" AND DRAWING.** FRESH DECIDUOUS FRUITS. Registered July 18, 1922. NORTHERN CALIFORNIA FRUIT CO., Lodi, Calif. Renewed July 18, 1942, to Northern California Fruit Co., Victor, Calif., a corporation of California, assignee.

157,139. **"McCLAVE" AND DRAWING.** GRATES AND STOKERS. Registered July 25, 1922. McCLAVE-BROOKS CO., Scranton, Pa. Renewed July 25, 1942, to The McClave Company, Allentown, Pa., a corporation of Pennsylvania, successor.

157,447. **PAIN-O-MENT.** SOLIDIFIED LINIMENT. Registered August 8, 1922. AMERICAN CHEMICAL & DRUG COMPANY, INC. Renewed August 8, 1942, to N. D. Petrochko and Company, Olyphant, Pa., a partnership, assignee.

157,555. **O'SHEA.** SWEATERS, BATHING SUITS, SPORT, WORK, AND NEGLIGEE SHIRTS, PANTS, TRUNKS, TIGHTS, HOSIERY, SPORTING COATS, AND GOLF COATS. Registered August 8, 1922. O'SHEA KNITTING MILLS. Renewed August 8, 1942, to Wilson Athletic Goods Mfg. Co., Inc., Chicago, Ill., a corporation of Delaware, assignee.

157,672. **"FRANKLIN" AND DRAWING.** COFFEE. Registered August 15, 1922. THE FRANKLIN COFFEE CO., Columbus, Ohio, a corporation of Ohio. Renewed August 15, 1942.

157,940. **ARTITLE.** BLANK GUMMED LABELS. Registered August 22, 1922. ALBERT W. ENGEL, doing business as Engel Art Corners Mfg. Co., Chicago, Ill. Renewed August 22, 1942.

158,017. **"MATSON'S" AND DRAWING.** PREPARATION FOR EXTERNAL APPLICATION IN THE TREATMENT OF RHEUMATISM, NEURALGIA, AND OTHER DISEASES. Registered August 22, 1922. CHARLES H. MATSON, doing business as C. H. Matson & Co., Jersey City, N. J. Renewed August 22, 1942, to Charles H. Matson, New York, N. Y.

158,023. **REPRESENTATION OF A PORTER.** MEN'S AND BOYS' SUITS AND OVERCOATS. Registered August 22, 1922. MICHAELS STERN & CO. Renewed August 22, 1942, to Michaels Stern & Company, Inc., Rochester, N. Y., a corporation of New York, successor.

158,513. **BEARNEE.** HOSIERY. Registered September 5, 1922. PARAMOUNT KNITTING COMPANY, Chicago, Ill. Renewed September 5, 1942, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill., a corporation of Illinois, assignee.

158,531. **HI-CRAFT.** MALT-EXTRACT SIRUP FOR FOOD PURPOSES. Registered September 5, 1922. SCHREIBER PRODUCTS CORPORATION. Renewed September 5, 1942, to Schreiber Brewing Company, Inc., Buffalo, N. Y., a corporation of New York, by change of name.

158,765. **WOLVERINE.** TEXTILE ARTICLES—NAMELY, HOSIERY. Registered September 12, 1922. THE PARAMOUNT KNITTING COMPANY, Chicago, Ill. Renewed September 12, 1942, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill., a corporation of Illinois, assignee.

158,822. **STA-RITE.** HAIRPINS. Registered September 12, 1922. STA-RITE HAIR PIN CO. Renewed September 12, 1942, to Sta-Rite Ginnie-Lou, Inc., Shelbyville, Ill., a corporation of Delaware, by change of name.

159,087. **MANRU.** MALT EXTRACT SIRUP FOR FOOD PURPOSES. Registered September 19, 1922. SCHREIBER PRODUCTS CORPORATION. Renewed September 19, 1942, to Schreiber Brewing Company, Inc., Buffalo, N. Y., a corporation of New York, by change of name.

159,091. **CONTENTO.** HOSIERY AND KNIT UNDERWEAR FOR MEN. Registered September 19, 1922. LEOPOLD B. SCHWAB, New York, N. Y. Renewed September 19, 1942.

159,327. **HI-KO.** CONFECTIONERS' COCONUT BUTTER. Registered September 26, 1922. L. DEMARTINI SUPPLY CO. Renewed September 26, 1942, to The L. Demartini Company, San Francisco, Calif., a corporation of California, assignee.

159,442. **"MILLERS FALLS" AND DRAWING.** CERTAIN TOOLS. Registered September 26, 1922. MILLERS FALLS COMPANY, Millers Falls, Mass. Renewed September 26, 1942, to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts.

159,510. **KLOSTER.** MALT-EXTRACT SIRUP FOR FOOD PURPOSES. Registered September 26, 1922. SCHREIBER PRODUCTS CORPORATION. Renewed September 26, 1942, to Schreiber Brewing Company, Inc., Buffalo, N. Y., a corporation of New York, by change of name.

160,125. **GOLDEN-GLOW.** GAS STOVES AND HEATERS. Registered October 17, 1922. AMERICAN STOVE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed October 17, 1942.

160,269. **PIONEER.** CERTAIN NAMED AERIAL NAVIGATION AND SCIENTIFIC INSTRUMENTS. Registered October 17, 1922. PIONEER INSTRUMENT COMPANY, Brooklyn, N. Y. Renewed October 17, 1942, to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware, assignee by mesne assignments.

160,321. **W & T.** CHLORINE CONTROL APPARATUS, CHEMICAL-CONTROL EQUIPMENT FOR WATER PURIFICATION, SEWAGE-TREATMENT AND OTHER NAMED APPARATUS. Registered October 17, 1922. WALLACE & TIERNAN CO. INC., Newark, N. J. Renewed October 17, 1942, to Wallace & Tiernan Co. Inc., Belleville, N. J., a corporation of New Jersey.

160,491. **"CARAVEL" AND DRAWING.** WALNUT MEATS IN THEIR NATURAL STATE AND PEANUTS IN THEIR NATURAL STATE. Registered October 24, 1922. EVERETT WELLES FRAZAR. Renewed October 24, 1942, to Frazar & Co., Ltd., San Francisco, Calif., a corporation of California, successor.

160,625. **FOREFATHERS.** BOND PAPER FOR WRITING AND PRINTING PURPOSES. Registered October 24, 1922. A. W. POHLMAN PAPER COMPANY, Inc., New York, N. Y., a corporation of New York. Renewed October 24, 1942.

160,626. **TIP TOP.** BOND PAPER FOR WRITING AND PRINTING PURPOSES. Registered October 24, 1922. A. W. POHLMAN PAPER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed October 24, 1942.

160,690. **TEC-CHAR.** CHARCOAL NOT SPECIALLY PREPARED FOR DECOLORIZING OR DEODORIZING. Registered October 24, 1922. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn., a corporation of Virginia. Renewed October 24, 1942.

160,718. **WATCO.** CHLORINE-CONTROL APPARATUS, CHEMICAL-CONTROL EQUIPMENT FOR WATER PURIFICATION, SEWAGE TREATMENT, AND OTHER NAMED APPARATUS. Registered October 24, 1922. WALLACE & TIERNAN CO., INC., Newark, N. J. Renewed October 24, 1942, to Wallace & Tiernan Co., Inc., Belleville, N. J., a corporation of New York.

161,090. **CAMELITE.** COLOR-STRIPPING AND DYE-REMOVING COMPOUND. Registered November 7, 1922. JOHN CAMPBELL & Co., New York, N. Y. Renewed November 7, 1942, to John Campbell & Company, Inc., Philadelphia, Pa., a corporation of New Jersey, assignee.

161,454. **MY MIXTURE.** SMOKING TOBACCO. Registered November 14, 1922. ALFRED DUNHILL, assignor to Alfred Dunhill of London, Inc. Renewed November 14, 1942, to Alfred Dunhill Limited, London, England, a corporation of Great Britain, assignee by mesne assignments.

161,782. **"SUPER FLAX" AND DRAWING.** LINEN PIECE GOODS—NAMELY, TABLECLOTHS, NAPKINS, SHEETING, PILLOW TUBING, TOWELING, CENTERPIECES, DOILIES. Registered November 21, 1922. HIBBEN, HOLLWEG & Co., Indianapolis, Ind., a corporation of Indiana. Renewed November 21, 1942.

161,922. **TURINO.** CONFECTIONERY—NAMELY, CHOCOLATES. Registered November 28, 1922. BUNTE BROTHERS, Chicago, Ill., a corporation of Illinois. Renewed November 28, 1942.

162,077. **"FULLER" AND DRAWING.** CRUMB TRAYS, CRUMB SCRAPERS, AND SINK SCRAPERS. Registered December 5, 1922. THE FULLER BRUSH COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed December 5, 1942.

162,206. **KRISPENO.** CONFECTIONERY—NAMELY, CANDY BARS. Registered December 12, 1922. BUNTE BROTHERS, Chicago, Ill., a corporation of Illinois. Renewed December 12, 1942.

162,564. **"WENTWORTH DOUBLE DUTY" AND DRAWING.** RING AND TWISTER TRAVELERS. Registered December 19, 1922. NATIONAL RING TRAVELER CO., Providence, R. I. Renewed December 19, 1942, to National Ring Traveler Co., Pawtucket, R. I., a corporation of Rhode Island.

162,600. **THE IDAHO DAILY STATESMAN.** NEWSPAPERS. Registered December 19, 1922. STATESMAN PRINTING COMPANY, Boise, Idaho, a corporation of Idaho. Renewed December 19, 1942.

162,711. **"SONNIE BOY" AND DRAWING.** FRESH GRAPES AND FRESH VEGETABLES. Registered December 26, 1922. B. CRIBARI & SONS, San Jose, Calif. Renewed December 26, 1942, to B. Cribari & Sons, Inc., Madrone, Calif., a corporation of California, assignee.

162,849. **"ORINOKA" AND DRAWING.** UPHOLSTERY GOODS, DRAPERIES, AND FURNITURE COVERINGS OF COTTON, WOOL, ARTIFICIAL SILK, MERCERIZED COTTON, AND MIXTURES OF THESE GOODS. Registered December 26, 1922. ORINOKA MILLS, INC., New York, N. Y., a corporation of New York. Renewed December 26, 1942.

162,888. **PATRICIAN.** RUBBER COMBS. Registered December 26, 1922. THE SEAMLESS RUBBER COMPANY, INC. Renewed December 26, 1942, to The Seamless Rubber Company, New Haven, Conn., a corporation of Connecticut, assignee.

162,926. **NONPAREIL.** SALAD OIL. Registered December 26, 1922. THE VAN CAMP PACKING COMPANY INC., Indianapolis, Ind. Renewed December 26, 1942, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, assignee by mesne assignments.

163,036. **IR-RADIANTINE.** CRAVATS AND NECKTIES. Registered January 2, 1923. CHENEY BROTHERS, South Manchester, Conn. Renewed January 2, 1943, to Cheney Brothers, South Manchester, Conn., and New York, N. Y., a corporation of Connecticut.

163,067. **THE FULLER BRISTLER.** A PERIODICAL PUBLISHED MONTHLY. Registered January 2, 1923. THE FULLER BRUSH COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed January 2, 1943.

163,105. **FLOUR KREAMERWARE.** FLOUR CANS. Registered January 2, 1923. A. KREAMER, INC., Brooklyn, N. Y., a corporation of New York. Renewed January 2, 1943.

163,106. **SUGAR KREAMERWARE.** SUGAR CANS. Registered January 2, 1923. A. KREAMER, INC., Brooklyn, N. Y., a corporation of New York. Renewed January 2, 1943.

163,187. **"REMEDIOSO" AND DRAWING.** A MEDICINAL PREPARATION FOR THE TREATMENT OF CATARRHAL TROUBLES. Registered January 2, 1923. AMANDO R. THEODOSIO, Miami, Ariz. Renewed January 2, 1943.

163,213. **"Z BULLS EYE" AND DRAWING.** SPONGES, COTTON WASTE, AND SHELLAC GUMS. Registered January 2, 1923. WM. ZINSSER & Co. INC., New York, N. Y., a corporation of New York. Renewed January 2, 1943.

163,296. **BROKADO KREPES.** WOVEN, KNITTED, NETTED, TEXTILE AND PILE FABRICS IN THE PIECE, COMPRISED IN WHOLE OR IN PART OF SILK. Registered January 9, 1923. CHENEY BROTHERS, South Manchester, Conn. Renewed January 9, 1943, to Cheney Brothers, South Manchester, Conn., and New York, N. Y., a corporation of Connecticut.

163,338. **HILLS BROS.** COFFEE. Registered January 9, 1923. HILLS BROS. Renewed January 9, 1943, to Hills Bros. Coffee, Inc., San Francisco, Calif., a corporation of California, by merger and change of name.

163,354. **TEA KREAMERWARE.** TEA CANS. Registered January 9, 1923. A. KREAMER, INC., Brooklyn, N. Y., a corporation of New York. Renewed January 9, 1943.

163,355. **COFFEE KREAMERWARE.** COFFEE CANS. Registered January 9, 1923. A. KREAMER, INC., Brooklyn, N. Y., a corporation of New York. Renewed January 9, 1943.

163,356. **BREAD AND CAKE KREAMERWARE.** BREAD AND CAKE BOXES. Registered January 9, 1923. A. KREAMER, INC., Brooklyn, N. Y., a corporation of New York. Renewed January 9, 1943.

163,357. **CAKE KREAMERWARE.** CAKE BOXES. Registered January 9, 1923. A. KREAMER, INC., Brooklyn, N. Y., a corporation of New York. Renewed January 9, 1943.

163,390. **REPUBLIC.** WOODEN BOTTLE BOXES, WOODEN POULTRY COOPS, WOODEN PACKING BOXES, WOODEN BOX SHOOKS, AND CORRUGATED AND FIBER SHIPPING CARTONS. Registered January 9, 1923. REPUBLIC BOX COMPANY. Renewed January 9, 1943, to Republic Box Company, Chicago, Ill., a co-partnership, assignee.

163,409. **"ELEPHANT" AND DRAWING.** WRAPPING PAPER. Registered January 9, 1923. UNION BAG & PAPER CORPORATION, Jersey City, N. J., and New York, N. Y. Renewed January 9, 1943, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey.

163,621. **SCOTCLAN.** CERTAIN ARTICLES OF CLOTHING FOR MEN'S WEAR. Registered January 23, 1923. JOSEPH M. SCOTT, doing business as Scott & Hunsicker. Renewed January 23, 1943, to Scott & Hunsicker, Inc., Philadelphia, Pa., a corporation of Pennsylvania, successor.

163,702. **"Z BULLS EYE" AND DRAWING.** CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered January 23, 1923. WM. ZINSSER & Co. INC., New York, N. Y., a corporation of New York. Renewed January 23, 1943.

163,732. **WAYNE KNIT.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered January 23, 1923. WAYNE KNITTING MILLS, Fort Wayne, Ind., a corporation of Indiana. Renewed January 23, 1943.

163,746. **"SUPERIOR FAST COLOR" AND DRAWING.** HOSIERY. Registered January 23, 1923. HIBBEN, HOLLWEG & Co., Indianapolis, Ind., a corporation of Indiana. Renewed January 23, 1943.

163,758. **RADIO DIGEST.** A WEEKLY PUBLICATION. Registered January 23, 1923. EARL C. RAYNER, Chicago, Ill. Renewed January 23, 1943, to Annie Lazar, New York, N. Y., assignee.

163,782. **"GARDINER'S 101" AND DRAWING.** A WASHING SOLUTION. Registered January 30, 1923. GARDINER MANUFACTURING CO., INC., Niagara Falls, N. Y. Renewed January 30, 1943, to Gardiner Manufacturing Co., Inc., Buffalo, N. Y., a corporation of New York.

163,794. **O & D 6.** VARNISH. Registered January 30, 1923. THE R. F. JOHNSTON PAINT COMPANY. Renewed January 30, 1943, to The Foy Paint Company, Inc., Cincinnati, Ohio, a corporation of Ohio, assignee by mesne assignments.

163,926. **BROKADARGENT.** WOVEN, KNITTED, NETTED, TEXTILE AND PILE FABRICS IN THE PIECE, COMPRISED IN WHOLE OR IN PART OF SILK. Registered February 6, 1923. CHENEY BROTHERS, South Manchester, Conn. Renewed February 6, 1943, to Cheney Brothers, South Manchester, Conn., and New York, N. Y., a corporation of Connecticut.

163,966. **"SANITO" AND DRAWING.** CERTAIN ARTICLES OF CLOTHING FOR MEN, WOMEN, AND CHILDREN. Registered February 6, 1923. CARY & COMPANY, INC., Binghamton, N. Y., a corporation of New York. Renewed February 6, 1943.

164,029. **NU-LIFE.** RUBBER HEELS, SOLES, AND HALF SOLES. Registered February 6, 1923. HANOVER RUBBER COMPANY, West Hanover, Mass., a corporation of Massachusetts. Renewed February 6, 1943.

164,037. **PLI-LITE.** RUBBER HEELS, RUBBER SOLES, AND RUBBER HALF SOLES. Registered February 6, 1923. HANOVER RUBBER COMPANY, West Hanover, Mass., a corporation of Massachusetts. Renewed February 6, 1943.

164,069. **WHITINSVILLE.** SPINNING AND TWISTER RINGS. Registered February 13, 1923. WHITINSVILLE SPINNING RING COMPANY. Renewed February 13, 1943, to Whitinsville Spinning Ring Company, Whitinsville, Mass., a corporation of Massachusetts, assignee.

164,103. **SPEEDBOR.** BITS AND AUGERS. Registered February 13, 1923. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio, a corporation of Ohio. Renewed February 13, 1943.

164,149. **ART POCKETS.** FOLDING CARDBOARD CONTAINERS FOR ARTICLES OF MERCHANDISE. Registered February 13, 1922. HENRY SCHMIDT & BRO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed February 13, 1943.

164,240. **"RED TIP" AND DRAWING.** LEATHER SHOES. Registered February 13, 1923. KEEHN BROTHERS, Chicago, Ill., a firm. Renewed February 13, 1943.

164,265. **LONG GREEN.** A NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. Registered February 13, 1923. HAGAN AND DODD CO. Renewed February 13, 1943, to The Red Rock Company, Atlanta, Ga., a corporation of Georgia, assignee.

REISSUES

SEPTEMBER 29, 1942

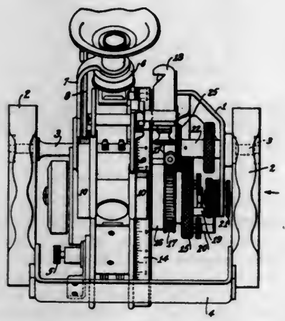
22,184

CALCULATING MECHANISM FOR MEASURING INSTRUMENTS

Philip Francis Everitt, Ilford, England, assignor to Henry Hughes & Son Limited, London, England, a corporation of Great Britain

Original No. 2,145,347, dated January 31, 1939, Serial No. 157,048, August 2, 1937. Application for reissue July 16, 1940, Serial No. 345,865. In Great Britain August 18, 1936

14 Claims. (Cl. 33—70)



1. An instrument, such as a sextant, having a micrometer screw adjustment and a totalizing counting mechanism driven therefrom and arranged to show a reading proportional to that of the sextant and micrometer head in inverse ratio to a predetermined number of readings to be averaged, whereby the counting mechanism indicates directly the average value of the readings after the predetermined number of readings has been made.

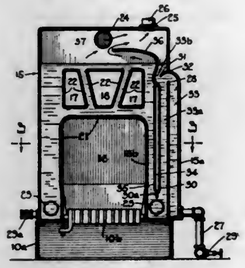
22,185

BOILER

Herbert Alfred Faber, Cincinnati, Ohio

Original No. 2,168,197, dated August 1, 1939, Serial No. 155,849, July 27, 1937. Application for reissue July 23, 1940, Serial No. 347,046

12 Claims. (Cl. 122—225)



6. A boiler, including a combustion chamber, interconnected water-containing boiler sections associated therewith, a portion of said sections arranged with respect to said combustion chamber to form primary heating surface, and water-inlet passage means, disposed within a boiler section and independent of the main water-carrying portion thereof, to prevent drainage of water from primary heating surface, said water-inlet means including a passage extending from a point above said primary heating surface to a point of discharge within said section at a low point thereof.

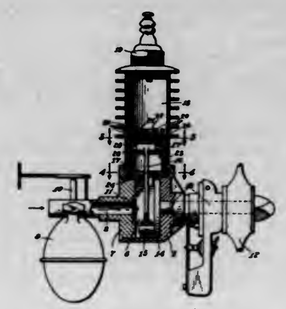
22,186

INTERNAL COMBUSTION ENGINE

Clayton B. Merry, Seattle, Wash., assignor, by mesne assignments to Thomas R. Arden

Original No. 2,194,863, dated March 26, 1940, Serial No. 235,119, October 15, 1938. Application for reissue March 18, 1942, Serial No. 435,250

5 Claims. (Cl. 123—47)



1. In a two cycle internal combustion engine, a cylinder, a hollow piston axially reciprocable therein and having in the top thereof a fuel inlet port to the cylinder, a carrier cage axially reciprocable within said piston and having in its top a fuel inlet port to the interior of the outer end of the piston, said cylinder having an exhaust port to be uncovered by said piston as the latter approaches its limit of inward movement in said cylinder, and means whereby said piston coacts with said carrier cage solely under the influence of differences in gas pressure acting inwardly and outwardly upon the piston to maintain said fuel inlet ports closed against the passage of fuel therethrough to the engine at all times except when said exhaust port is opened by the final portion of the inward movement of said piston.

22,187

METHOD AND APPARATUS FOR MANUFACTURING POTTERYWARE

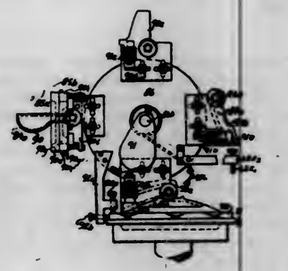
William J. Miller, Swissvale, Pa.

Original No. 2,243,880, dated June 3, 1941, Serial No. 69,776, March 20, 1936, which is a division of Serial No. 343,693, March 1, 1929. Application for reissue April 24, 1942, Serial No. 440,332

63 Claims. (Cl. 25—22)

62. In combination with means for supporting

and transporting a single line of jigger molds to a clay feeding zone, clay feeding apparatus for charging jigger molds in the line with clay including a plurality of clay feeders each having



clay extruding mechanism and means for automatically substituting one feeder and mechanism for another in the feeding of clay to the single line of molds.

22,188
METHOD OF REGULATING AND MAINTAINING HEAT TRANSFER

Henry R. Minor, Dayton, Ohio, assignor, by mesne assignments, to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Original No. 1,808,429, dated June 2, 1931, Serial No. 252,676, February 7, 1928. Application for reissue April 16, 1937, Serial No. 137,324

31 Claims. (Cl. 18—53)

31. In a method of curing rubber tires, the steps of (*a*) separately introducing gas and vapor, (*b*) using the heat of the vapor for curing, (*c*) using the gas for maintaining pressure during the cure, and (*d*) so interrelating the gas and vapor that the gas will prevent the vapor from over-curing the tire, and the heat from the vapor will increase the pressure of the gas.

22,189
LUBRICATING COMPOSITION

Carl F. Prutton, Cleveland, and Albert K. Smith, Shaker Heights, Ohio, assignors to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Original No. 2,255,085, dated September 9, 1941, Serial No. 241,606, November 21, 1938. Application for reissue July 23, 1942, Serial No. 452,116

13 Claims. (Cl. 252—54)

1. A lubricating composition comprising a major proportion of mineral lubricating oil and a minor proportion of a halogen-bearing ester of an unsaturated alcohol and an aromatic acid.

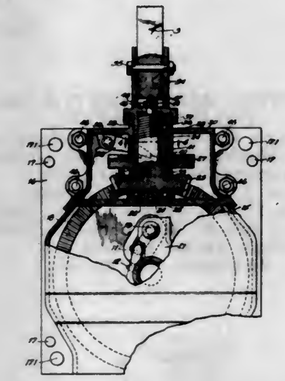
22,190
RAILWAY HAND BRAKE MECHANISM

Edwin E. Van Cleave, Chicago, Ill.

Original No. 2,201,656, dated May 21, 1940, Serial No. 196,098, March 16, 1938. Application for reissue April 11, 1941, Serial No. 388,150

15 Claims. (Cl. 74—505)

1. In a railway hand brake, a vertical shaft for a handwheel, a winding drum and gear, and an operating mechanism for said gear, comprising an extension coupled to said shaft, a pinion, a stud shaft having driving relation to said pinion, a ratchet loose on said stud shaft, and a friction clutch connection between said ratchet and pinion, said extension and stud shaft having



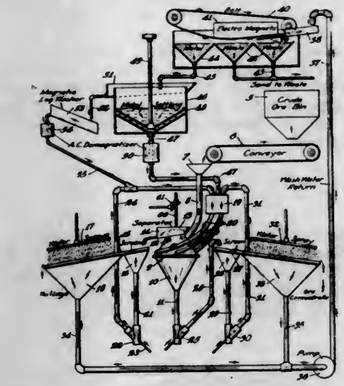
intermeshing helical surfaces for engaging and disengaging said clutch connection through relative rotation of said extension and stud shaft.

22,191
GRAVITY SEPARATION OF ORES

Henry H. Wade, Hopkins, Minn., assignor, by mesne assignments, to Minerals Beneficiation, Incorporated, a corporation of Delaware

Original No. 2,206,980, dated July 9, 1940, Serial No. 199,197, March 31, 1938. Application for reissue June 25, 1941, Serial No. 399,716

13 Claims. (Cl. 209—39)



1. The method of concentrating an ore which consists in introducing it into a substantially self-sustaining fluid mass consisting of comminuted particles of an iron composition and a liquid, said composition containing in excess of 75% by weight of iron, continuously floating the lighter constituents of the ore in said mass and allowing the heavier constituents to settle therein, separately removing the heavier and lighter constituents of the ore from said mass, washing the iron composition particles from the separated ore constituents, recovering said composition particles from the wash water by magnetic attraction, whereby said particles become magnetized, then destroying the residual magnetism of the recovered particles and returning said particles to said fluid mass.

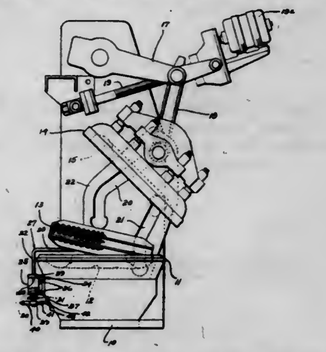
22,192
DEVICE FOR SUPPORTING TIRES IN VULCANIZERS

John H. Zimmerman, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Original No. 2,254,926, dated September 2, 1941, Serial No. 159,719, August 18, 1937. Application for reissue February 21, 1942, Serial No. 431,895

7 Claims. (Cl. 18—17)

2. The combination with a tire vulcanizing press having upper and lower mold sections provided with tire receiving cavities that completely enclose the tire therein, said sections being mounted to move relatively during the opening movement of the press, of a bar, and means to move the bar from a position outside the outer periphery of the mold sections to a position between the mold section cavities and beneath the tire during the said opening movement, said means comprising an arm pivoted on the press



and supporting the bar, an extension connected to the arm, and yielding means to move the extension.

PLANT PATENTS

GRANTED SEPTEMBER 29, 1942

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

545
ROSE PLANT

Lenton Newman, Tyler, Tex., assignor to Dixie Rose Nursery, Tyler, Tex.

Application December 22, 1941, Serial No. 424,043

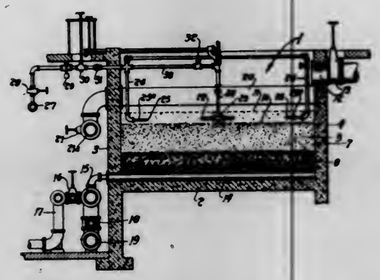
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by the absence of thorns, prickles and hairs, and by the smooth, to very slightly serrated edges of its leaves, substantially as shown and described.

PATENTS

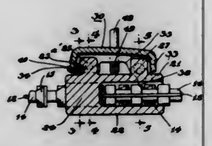
GRANTED SEPTEMBER 29, 1942

2,296,824
LIQUID PURIFYING APPARATUS
James Ashworth, Waukegan, Ill.
Application March 18, 1938, Serial No. 196,743
4 Claims. (Cl. 210—130)



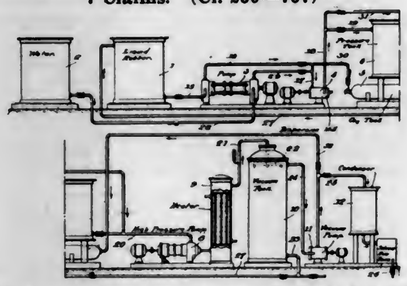
1. The combination of a wash-water supply line, an extensible downleg connected thereto and means associated with said downleg for delivering wash-water to a filter bed for breaking up particles therein and means for adjusting said downleg for varying the vertical position of said delivering means.

2,296,825
SLIDER FOR SLIDE FASTENERS
Alfred E. Carille, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application June 7, 1941, Serial No. 397,035
2 Claims. (Cl. 24—205)



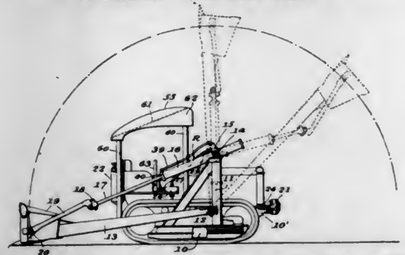
1. In a slider for slide fasteners, a pair of connected wings forming a fastener member guide channel therebetween, one of said wings having a locking prong receiving aperture communicating with said guide channel, a lug projecting outwardly from said last-named wing, a locking member pivotally connected adjacent one end to said lug and having a locking prong extensible through said aperture into and out of said channel upon pivotal movement of said locking member, said locking member having a wall extending over said lug, and a biasing member comprising a block of resilient material between said lug and said wall of said locking member and acting on said wall for normally urging said locking member toward locking position wherein said locking prong is projected into said guide channel, said wall being bendable with respect to said locking member for adjusting the compressive force exerted by said biasing member.

2,296,826
PROCESS FOR THE TREATMENT OF RUBBER OR THE LIKE
Marvin W. Ditto and William P. Torrington, New York, N. Y., assignors to Emulsions Process Corporation, New York, N. Y., a corporation of Delaware
Application January 19, 1940. Serial No. 314,734
7 Claims. (Cl. 260—767)



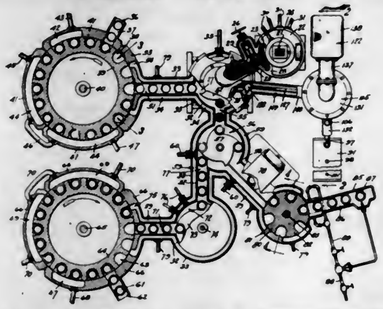
1. A process for releasing the highly soluble rubber contained within the cells of crude rubber, comprising finely dispersing a volatile solvent in crude rubber, then maintaining the solvent dispersed in the rubber under superatmospheric pressure for a sufficient elapsed time for the solvent to cause substantially maximum swelling of the cells of the rubber, then heating the dispersion to a temperature sufficient to cause substantially complete vaporization of the solvent while maintaining the dispersion under superatmospheric pressure to prevent such vaporization, and then suddenly releasing the pressure on the dispersion, whereby solvent instantaneously vaporizes and breaks down the skeletonized structure of the crude rubber.

2,296,827
MATERIAL COLLECTING AND LOADING APPARATUS
Thomas K. Andersen, West New Brighton, and Tengel Andersen, Port Richmond, N. Y., assignors to Overhead Loader Corporation, Staten Island, N. Y., a corporation of New York
Application January 2, 1941, Serial No. 372,752
8 Claims. (Cl. 214—131)



1. In earth moving equipment for use with a self-propelling tractive vehicle, a pair of supporting arms pivoted adjacent the sides of said vehicle, a receptacle mounted adjacent the outer ends of said arms, said arms being of a shape and length to carry said receptacle in a vertical arc from loading position at one end of the vehicle along its fore and aft center line and past the pivot points of said arms to dumping position, a second set of pivot points located adjacent the sides of the vehicle above and substantially in vertical line with the arm pivot points and in fore and aft location approximately under the balancing point of the receptacle as it passes over center, power means operating from said second set of pivot points and acting on said arm and receptacle assembly to cause said assembly to be lifted when power is applied, and a manual control for applying said power, for terminating said power application and concurrently releasing said power means so that either the weight of the receptacle or its momentum as it passes over center will be sufficient to reverse the direction of travel of said power means, and for arresting the movement of the receptacle at any point by stopping the travel of said power means.

2,296,828
METHOD OF CANNING
Charles O. Ball, Mount Vernon, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 18, 1939, Serial No. 305,191
5 Claims. (Cl. 99—182)



1. A method of treating a sterilized product preparatory to canning, which comprises passing the sterilized product into a sealed chamber, maintaining about the product and in said chamber a sterile atmosphere, and surrounding said chamber with a confined and controlled sterile atmosphere of greater absolute pressure than the pressure within said chamber and greater than atmospheric pressure.

2,296,829
MAKING ALKALI CELLULOSE OF LOW WATER CONTENT
Arthur J. Barry, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 22, 1941, Serial No. 384,704
2 Claims. (Cl. 260—233)

1. The method which includes treating with liquid ammonia an alkali cellulose containing water and separating from the alkali cellulose liquid ammonia and water in admixture.

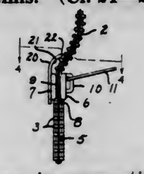
2,296,830
CIGAR CONTAINER
Roscoe G. Beals, De Kalb, Ill.
Application August 3, 1939, Serial No. 288,177
2 Claims. (Cl. 229—51)

1. The combination in a container for cigars of an enclosure of flexible sheet material shaped to fit the cigar and having a joint intermediate the ends thereof, the sheet material on one side of the joint being folded inwardly upon itself, the inwardly folded portion being seated against the outer surface of the sheet material on the



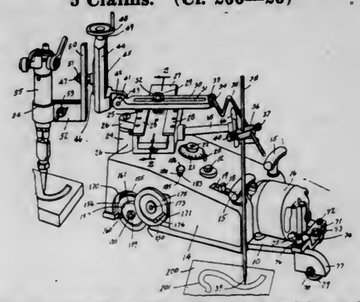
other side of the joint and adhesively secured thereto and being the sole means for connecting opposite ends of said container, the ends of the container projecting beyond the ends of the cigar to be gripped to break the joint by pulling in opposite directions thereon.

2,296,831
SAFETY SLIDE FASTENER
Allan P. Bloxsom, Houston, Tex.
Application January 14, 1941, Serial No. 374,336
5 Claims. (Cl. 24—205)



4. A slide for use in connecting rows of fastener elements comprising, a body having converging passages therein for the rows of elements, a guard plate of substantially uniform thickness secured to and extending outwardly from the slide in the direction of the open rows of elements, said guard plate being curved toward the rows of elements and having its forward edge lying substantially in the plane of movement of the slide to engage said elements proximate the slide and displace the elements across the plane of movement and thereby remove obstructing material from the fastener elements entering the slide.

2,296,832
PORTABLE FLAME MACHINE
Albert L. Bowers, South Bend, Ind., assignor of one-half to C. A. Schrader, Mishawaka, Ind.
Application July 20, 1940, Serial No. 346,471
5 Claims. (Cl. 266—23)



1. In a portable cutting torch machine adapted for special shape cutting having a movable carriage, the combination of a member supported by and rigid with the carriage, a second member slidably associated with the first member and adapted for shape cutting torch holder support,

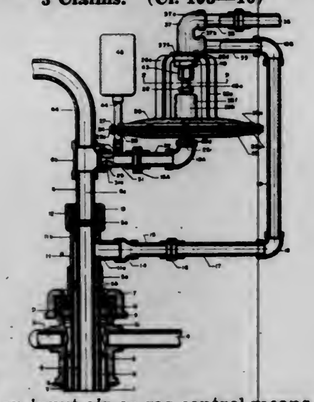
said members being of complementary cross-head and guideway type, rack means carried by the cross-head member, worm gear means carried by the guideway member and engageable with the rack means for smooth movement of one member relative to the other, and means for rotating said gear means including an elongated shaft member rigid with the gear means, and means carried by the elongated shaft member for rotation thereof, a pair of aligned bearing members carried by the guideway member, said shaft member and bearing members confronting ends having complementary self-centering formations, and means for adjusting the bearing members axially towards and away from each other for minimum friction and play elimination support of said shaft member and bodily axial adjustment thereof.

2,296,833

INPUT AIR OR GAS CONTROL VALVE FOR CASED WELLS

Alexander Boynton, San Antonio, Tex.

Application January 31, 1939, Serial No. 253,879
3 Claims. (Cl. 103—16)



1. In an input air or gas control means, a pressure tube within a well, an eduction tube in said pressure tube, said tubes having an annular space between them adapted to convey pressure fluid to the lower regions of a well, sealing means between said tubes proximate the mouth of the well, a conduit communicating with the interior of the pressure tube for introducing pressure fluid into said annular space, a valve seat in said conduit, a valve movable to engage said seat to interrupt the flow of pressure fluid through said conduit, a diaphragm operable to move said valve, a tubular connection into said eduction tube, said connection communicating with and adapted to supply pressure to the diaphragm to move the diaphragm and to close said valve by force of fluid entering said connection from the eduction tube, means for restricting the flow of fluid through said connection, a receiver in communication with said connection between said last mentioned means and the eduction tube, and means for restricting the rate of fluid flow between said receiver and said connection.

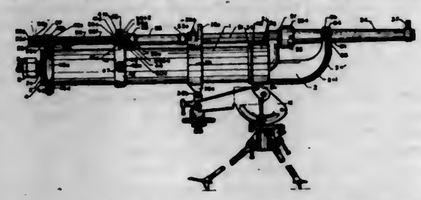
2,296,834

PNEUMATIC GUN, BELLOWS TYPE

Alexander Boynton, San Antonio, Tex.

Application May 18, 1939, Serial No. 274,365
6 Claims. (Cl. 124—11)

1. A pneumatic gun comprising a barrel, a magazine, means for feeding projectiles from the magazine to the breech of the barrel, a source of pressure fluid, a case having a chamber with an inlet connected to said source and an outlet communicating with the breech, opposed valve seats one in each said inlet and outlet, a valve assembly within said chamber, said assembly in-



cluding opposed valve members adapted to be moved into engagement with either of said seats, and pressure responsive means within the valve assembly for moving the assembly between the seats whereby the projectiles which are fed successively to the barrel by said first mentioned means are forcibly ejected therefrom.

2,296,835

DIFFERENTIAL TYPE PNEUMATIC PISTON PUMP

Alexander Boynton, San Antonio, Tex.

Original application January 31, 1939, Serial No. 253,875. Divided and this application December 7, 1940, Serial No. 369,131
10 Claims. (Cl. 103—232)



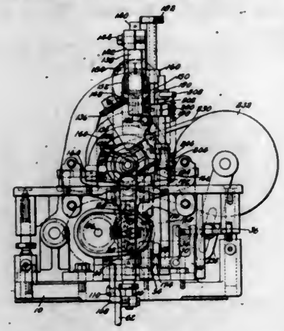
1. In a device of the class described, a flow tube including an intake connector, an intake passage therein for a gaseous fluid, additional passages for liquid longitudinally of the connector, said last mentioned passages terminating in radial ports in the intake passage, spaced upper and lower valve seats in the intake passage below said ports, a valve assembly within said intake passage, a valve member movable between said seats, a slide valve adapted to open said ports when said valve member is moved to engage the upper valve seat, valve means intermediate said valve member and slide valve for sealing the passage against movement of fluid downwardly when the valve member is seated upon the lower valve seat, said valves being included in and movable with said assembly, and means for moving the assembly and simultaneously operating said valves.

2,296,836

ROUGHING MACHINE

Charles G. Brostrom, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application August 22, 1940, Serial No. 353,708
12 Claims. (Cl. 69—1)



1. In a roughing machine, the combination of a power driven roughing tool, a stationary work support directly adjacent to said tool arranged to support the work against the thrust of the tool, and a yieldable work support adjacent to said stationary work support.

2,296,837

VINYL ESTERS AND VINYL ESTER INTERCHANGE PROCESS

Loring Coes, Jr., Brookfield, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 23, 1939, Serial No. 257,961
11 Claims. (Cl. 260—83)

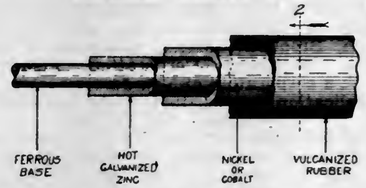
8. Process of producing esters in a single reaction which comprises using a catalyst capable of catalyzing the production of a vinyl ester of a carboxylic acid from a carboxylic acid and acetylene, and reacting a vinyl ester of a carboxylic acid with methacrylic acid in the presence of such catalyst and thereby producing three ethylidene glycol esters and vinyl methacrylate.

2,296,838

RUBBER ADHERENT METAL

Elgin Carleton Domm, Niles, Mich., assignor to National-Standard Company, a corporation of Michigan

Application November 1, 1937, Serial No. 172,305
7 Claims. (Cl. 154—40)



4. The method of preparing a rubber coated object which comprises hot galvanizing a ferrous base, electro-depositing a thin layer of metal of the class consisting of nickel and cobalt upon the galvanized surface and vulcanizing a rubber coating thereon.

2,296,839

DUPLEX PLUG-IN SOCKET DEVICE

Arthur M. Draving, Feasterville, Pa., assignor to Hugh H. Eby, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application December 30, 1939, Serial No. 311,791
2 Claims. (Cl. 173—328)



1. A socket for plug-in devices comprising a molded mounting support having at least one pair of spaced apertures in one face permitting the entry of a prong of a plug-in device in two laterally spaced parallel positions, the mounting support having at least one single recess in the other face and communicating with and common to said pair of face apertures and separated therefrom by a thin web of facing material forming an internal shoulder, a contact mounted on the support and having integral spaced curved arm portions curving toward each other from a common backing portion and forming a pair of prong-receiving channels having substantially parallel spaced axes and arranged to have sliding engagement in the recesses to abut the shoulder with the axes of the respective channels extending substantially normal to said first mentioned face and with the respective channels in substantial registration with the respective spaced apertures, said portions arranged to be engaged and to form electrical contact with prongs selectively inserted in either of said spaced apertures, and means preventing the contact from being pushed out of the recess.

2,296,840

FINISHING PROCESS

Alexander J. Faust, Grosse Pointe, Mich.

No Drawing. Application March 14, 1938, Serial No. 195,851
11 Claims. (Cl. 117—26)

11. The process of forming a composite film having a high metallic lustre, which comprises laying down an initially liquid paint-like base layer which is insoluble in water when dry, allowing said material to harden, spreading over and causing to adhere to said base layer a plurality of fine particles of metal, buffing said particles to orient and polish the same until they form a metallic coating presenting a smooth and substantially continuous surface, causing said particles to cling to the surface only of said hardened layer, applying to said metallic coating a layer formed of another initially liquid adherent transparent protective material carried in water as a vehicle and which is insoluble in an organic solvent, allowing said last mentioned protective layer to harden, and applying thereover a top layer formed of an initially liquid adherent and transparent paint-like material carried in an organic vehicle which is incapable of attacking the protective layer.

2,296,841

PROCESS FOR BENEFICIATION OF MANGANESE ORES

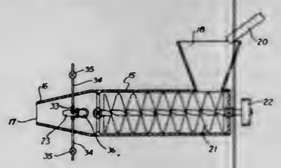
Daniel Gardner, New York, N. Y.

No Drawing. Application March 1, 1941, Serial No. 381,320
20 Claims. (Cl. 75—1)

1. A process for beneficiating or enriching a manganese ore comprising first crushing the ore to a powder; washing the powdered ore in an alkaline solution as of weak lime water; mixing intimately the washed powder with powdered

active carbon or coke, such as low temperature carbonization coke, in substantial proportion between about five and fifteen per cent by weight, and with an auxiliary alkaline agent consisting of a basic hydrate in a somewhat lower proportion; treating the mixture at a temperature between about 400° and 500° in a non-oxidizing atmosphere as steam, for a period sufficient to transform or reduce the manganic oxide and manganese dioxide present to the form of manganous oxide or manganosic oxide; quenching or cooling the roasted mixture to fix the transformed compositions; extracting from the mixture the manganous oxide and manganosic oxide by a liquid solvent; and recovering such extracted compounds in the solid form of enriched manganese material adapted to further treatment.

2,296,842
METHOD OF AND APPARATUS FOR INSERTING INDICIA IN SOAP
James Garvey, Arthur Garvey, and Horace Maseline Garvey, Vancouver, British Columbia, Canada
Application September 12, 1940, Serial No. 356,540
19 Claims. (Cl. 25—8)



1. A method of inserting indicia in soap bars, comprising forming plastic soap into bars, forming a hole in the bars the shape of the indicia, filling said hole with a water-soluble material, subjecting the bar to external pressure after the material is inserted therein, and cutting each bar into lengths.

2,296,843
DYED SUBSTANCE
Béla Gáspár, Hollywood, Calif., assignor to Chromogen, Incorporated, a corporation of Nevada
No Drawing. Application March 27, 1940, Serial No. 326,269. In Great Britain April 3, 1939
13 Claims. (Cl. 95—2)

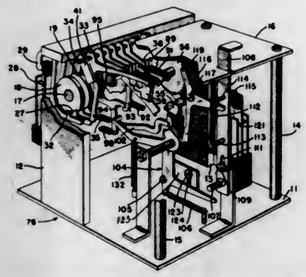
1. A light-sensitive silver halide photographic material comprising a colloid layer, said layer being dyed with an azo dye, the molecule of which contains at least two aromatic radicals linked by an azo group, one of said radicals being substituted by a group which is reducible by a reducing agent and which is reoxidizable to the original group and which serves as a reduction catalyst for the reduction of said azo dye

---

2,296,844
FRICTION PART AND METHOD OF TREATING
Cecil W. Glasson, Detroit, Mich., assignor to Parker Rust Proof Company, Detroit, Mich.
No Drawing. Application May 9, 1940, Serial No. 334,239
7 Claims. (Cl. 148—6.5)

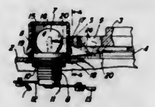
1. An article of manufacture having a ferrous bearing surface normally lubricated and employed in moving contact with another surface, said ferrous surface having thereon a chemically produced, lubricant-retaining phosphate coating comprising metal of the group consisting of cobalt and nickel.

2,296,845
TELEGRAPH TRANSMITTING SYSTEM
Maurus T. Goetz, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application July 15, 1940, Serial No. 345,456
17 Claims. (Cl. 178—17)



1. In a record reader, means for sensing a record strip including a special sensing means, control means, a sequence device, means responsive to said special sensing means under certain operating conditions to operate said control means to govern the operation of said sequence device, and manually operated means to restore said control means to further control of said sensing means.

2,296,846
TELEPHONE CALLING DIAL
Harold W. Goff, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 6, 1940, Serial No. 368,808
4 Claims. (Cl. 179—90)

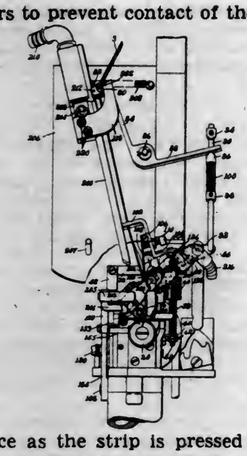


1. In a telephone calling dial, in combination, a rotatable finger wheel made of material having a light bending characteristic and a source of light directed against an edge portion of said finger wheel and arranged so that the light rays from said source are directed to said finger wheel in the same plane as said finger wheel.

2,296,847
MACHINE FOR OPERATING ON INSOLES
Stanley M. Griswold, Newton, and Russell K. Nash, Brookline, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 30, 1940, Serial No. 348,522
17 Claims. (Cl. 12—20)

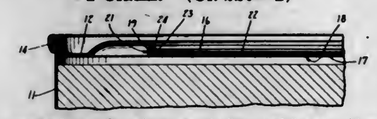
1. In a machine for applying a reinforcing strip to a ribbed insole, means for advancing the insole past an operating point, a freely rotatable applying roll having spurs about its periphery, said applying roll being movable into and out of operative position with respect to said operating point, means for presenting a strip to the applying roll, and a finger having an extended surface acting to press the strip against the spurs on the roll, said surface having a groove opposite

to the spurs to prevent contact of the spurs with



said surface as the strip is pressed against the roll.

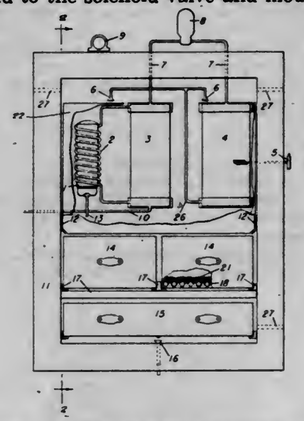
2,296,848
CONTAINER
Walter A. Gueffroy, San Francisco, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 16, 1939, Serial No. 309,668
1 Claim. (Cl. 220—1)



A container having a deformable section for indicating spoilage of the contents, which comprises a body member, a closure member secured to an end of said body member, said closure member having a substantially central sunken panel section defined by a peripheral side wall terminating at its lower portion in an annular recess, the bottom defined by said wall being substantially flat, said panel section also having a centrally disposed vent hole therein, and a normally flat thin sheet metal deformable element disposed over said vent hole on the outside of said container in close engagement with said sunken panel section, the outer periphery of said deformable element having a hemmed portion of double thickness engaging said annular recess and tightly soldered to the peripheral wall of said sunken panel section, the central portion of said deformable element being adapted to be pressed outwardly by pressure vapors emitted from the container contents through said vent hole as a result of spoilage and permanently deformed from its normal flat state to visibly indicate such spoilage condition.

2,296,849
CABINET FOR THE QUICK SPROUTING OF SOYBEANS FOR FOOD
Henry H. Hammerstrom, Los Angeles, and Ward B. Davis, Rosemead, Calif., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office
Application August 28, 1941, Serial No. 408,640
1 Claim. (Cl. 47—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A cabinet, adapted for the purposes described, having vent holes, and comprising in combination an in-take water supply means, a hot-water storage tank connected to said in-take supply means, heating means connected to the storage tank, and equalizing tank adjacent the storage tank, a pipe connecting the tanks and adapted to carry hot water from the storage tank, a solenoid valve connected to said pipe, a time clock connected to the solenoid valve and mounted on

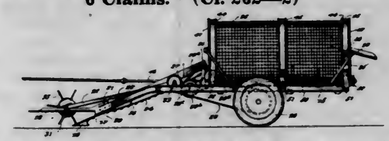


the cabinet, a thermostat mounted near the equalizing tank, trays slidably mounted in the cabinet and below the heating means and tanks, a plurality of tubes adapted to form the bottoms of the trays, a drip pan slidably mounted in the cabinet and beneath the trays, a drain pipe connected to the drip pan, and means adapted for spraying water on the trays and connected to the equalizing tank.

2,296,850
ACIDIFIED DIATOMACEOUS EARTH FILTER AID
Milo A. Harrison, Hermosa Beach, Calif., assignor to The Dicalite Company, Los Angeles, Calif., a corporation of Nevada
No Drawing. Application April 9, 1938, Serial No. 201,188
4 Claims. (Cl. 260—428)

1. In the clarification of a fatty substance the color of which is darkened by contact with diatomaceous earth, the steps of adding to said fat a diatomaceous earth filter-aid and a quantity of a free acid only sufficient to offset said darkening effect and thereafter removing from said fat said filter-aid and substances entrained therein.

2,296,851
ROAD MACHINE
John F. Henry, Staples, Minn.
Application February 11, 1941, Serial No. 378,451
6 Claims. (Cl. 262—2)



1. A machine of the class described comprising a frame, said frame having an integral forwardly and downwardly projecting portion at the front thereof, a cutting blade supported at the forward end of the frame, an endless conveyor supported

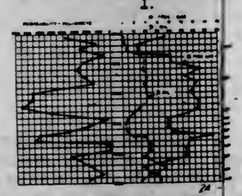
upon the frame and being inclined upwardly and rearwardly of the frame, means for driving the conveyor, a lift reel supported forwardly of the cutting blade for moving material toward the conveyor as material is cut by the cutting blade, a screening drum carried by the frame in the rear of the conveyor and positioned to receive material from the conveyor, means for rotating said screening drum, a brace connected to the frame and to the lift reel for bracing the same, a tongue extending forwardly of the front end of the frame, said tongue having rearwardly extending portions terminating in wings, and the wings having notches for receiving portions of the frame to brace the tongue.

2,296,852

EARTH EXPLORATION

William L. Horner, Dallas, Tex., assignor to Core Laboratories, Inc., Dallas, Tex., a corporation of Delaware

Application January 3, 1938, Serial No. 183,018
6 Claims. (Cl. 73—51)



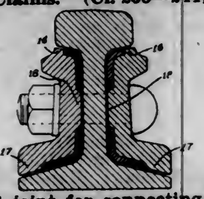
1. In the art of oil-well drilling, the method of determining probable production characteristics of substrata sand that is sufficiently permeable for production purposes and that contains gas under pressure, comprising analyzing core samples taken from the sand for the space occupied by gas, and utilizing the results of such analyses as indices for indicating whether the sand will produce gas, water, or oil, or a mixture thereof.

2,296,853

RAIL JOINT

Kenneth L. Johnson, Allison Park, Pa., assignor to Hubbard and Company, a corporation of Pennsylvania

Application April 19, 1941, Serial No. 389,355
18 Claims. (Cl. 238—244)



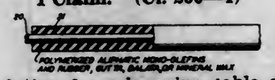
12. In a rail joint for connecting the ends of track rails, juxtaposed rows of pads of material having the properties of rubber arranged in spaced relation on opposite sides of the rails, extending longitudinally of the rails above their longitudinal center line and contacting with the webs and the under surfaces of the rail heads, juxtaposed rows of similar pads arranged on opposite sides of the rails below said center line and contacting with the webs and the upper surfaces of the rail flanges, rigid members which surround said pads and are spaced from the rails by said pads, and means for securing together the component parts of the rail joint; the construction and arrangement being such that said rigid members hold said pads in place during vertical loading of the rail joint and prevent flow of pad material from compression to decompression areas of said joint.

2,296,854

DIELECTRIC MATERIAL

Archie R. Kemp, Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 18, 1937, Serial No. 148,878
1 Claim. (Cl. 260—4)



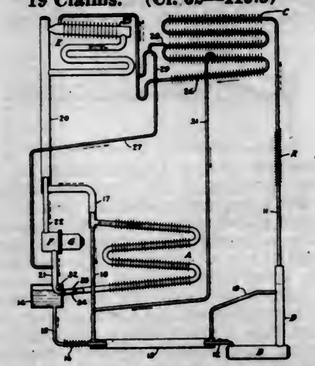
An insulation for submarine cable comprising 66 parts by weight of polymerized aliphatic mono-olefins having a molecular weight above 50,000, 34 parts by weight of crepe rubber and 2 parts by weight of sulphur.

2,296,855

REFRIGERATION

William H. Kitto and Arnold D. Siedle, Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application July 20, 1938, Serial No. 220,185
In Great Britain August 20, 1937
19 Claims. (Cl. 62—119.5)



1. Absorption refrigerating apparatus comprising a solution circuit including a boiler and an absorber, an inert gas circuit including an evaporator and said absorber, means for supplying liquid refrigerant to said evaporator, said absorption solution circuit being constructed and arranged to supply weak solution to the bottom of said absorber, and means for propelling a stream of dense inert gas upwardly through said absorber with sufficient velocity and pressure to propel the absorption solution upwardly through said absorber by the frictional drag of the inert gas flowing therethrough.

2,296,856

MANUFACTURE OF CELLULOSE DERIVATIVES AND OF ARTIFICIAL FILAMENTS, FILMS, AND OTHER SHAPED ARTICLES THEREFROM

Leon Lilienfeld, Vienna, Austria; Antonie Lilienfeld, administratrix of said Leon Lilienfeld, deceased, assignor to Lilienfeld Patents Inc., Boston, Mass., a corporation of Massachusetts

No Drawing. Application March 27, 1936, Serial No. 71,263. In Great Britain March 29, 1935
12 Claims. (Cl. 18—54)

10. A process of making shaped structures,

wherein a solution of a cellulose compound xanthate prepared by treating a cellulose compound in which at least one hydroxyl hydrogen atom of the cellulose molecule $n(C_6H_{10}O_5)$ is substituted by an organic radical and which contains at least one free hydroxyl group capable of binding CS_2, said cellulose compound being one that is, in part at least, soluble in the cold in aqueous caustic alkali solution, and which cellulose compound is insoluble in water, with carbon bisulphide in an amount not below 3% but less than 20%, calculated on the weight of the cellulose compound, is brought into an appropriate shape or form and acted upon with a coagulating agent.

2,296,857

MAKING ARTIFICIAL STRUCTURES FROM XANTHATES

Leon Lilienfeld, deceased, late of Vienna, Germany, by Antonie Lilienfeld, special administratrix, Gstaad, Switzerland; Antonie Lilienfeld, administratrix of said Leon Lilienfeld, deceased, assignor to Lilienfeld Patents Inc., Boston, Mass., a corporation of Massachusetts

No Drawing. Application November 12, 1940, Serial No. 365,393. In Great Britain July 24, 1935
17 Claims. (Cl. 18—54)

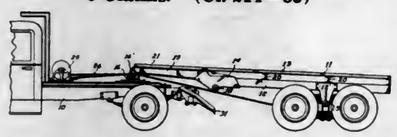
1. A process of producing an artificial shaped structure which comprises the step of bringing a shaped body of a solution of a xanthate of a cellulosic body in aqueous caustic alkali solution, into contact with a coagulating liquid which is an aqueous solution of an alkali metal salt of carbonic acid, said coagulating liquid being free from substances capable of neutralizing caustic alkali.

2,296,858

COMBINED TRUCK AND TRAILER

Glenn L. Larison, La Grande, Oreg.

Application May 19, 1941, Serial No. 394,152
6 Claims. (Cl. 214—85)



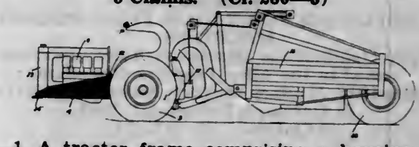
1. The combination of a truck, a trailer adapted to be towed by said truck, and a frame connecting said trailer with said truck, the rear end of said frame hinged to the forward end of said trailer, a hinged and pivotal connection for said frame on said truck, whereby said frame may be swung upwardly and folded over on said truck and whereby said truck may turn in a horizontal plane with respect to said frame, a freight-supporting bed on said trailer, a similar bed on said frame said frame bed being of substantially the same width as said trailer bed so as to constitute in effect a forward extension of said trailer bed when said trailer is in trailing position, means for holding the beds of said frame and said trailer in substantially the same plane when said trailer is in trailing position, an inclined runway secured to said truck and located rearwardly of the rear axle of said truck, means on said truck for drawing said trailer towards said truck and causing said frame to swing upwardly and be folded over on said truck until the wheels of said trailer have rolled up said runway and loaded said trailer onto said truck.

2,296,859

TRACTOR FRAME

Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California

Application August 24, 1940, Serial No. 354,001
5 Claims. (Cl. 280—5)



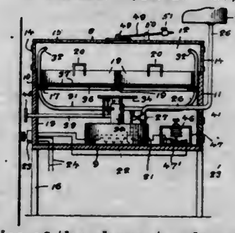
1. A tractor frame comprising a housing for transmission mechanism, and transversely spaced engine supporting side beams secured on and projecting forwardly from the housing; said beams being hollow and closed, forming fuel retaining areas, and widened in a laterally inward direction from the bottom upward for a certain distance to provide longitudinal ledges along the top of the widened portion for the support of the base of the engine of the tractor.

2,296,860

PLANT INCUBATOR

John S. Martin, Halfway, Oreg.

Application August 16, 1940, Serial No. 352,949
4 Claims. (Cl. 47—17)



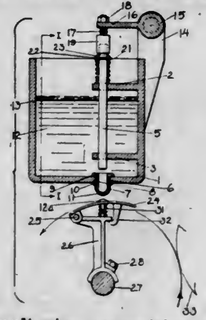
1. A device of the character described comprising a housing, a seed planting tray, means for supporting said tray in said housing, a container within said housing beneath said tray, means for supplying water to said container, heating means within said container for generating steam and vapor from said water, and means whereby said steam may be discharged above or below said trays.

2,296,861

GLUE APPLICATOR

Albert John Matter, Park Ridge, Ill., assignor of one-half to Edward B. Fallon, Chicago, Ill.

Application August 8, 1940, Serial No. 351,828
20 Claims. (Cl. 91—49)



1. A glue applicator comprising a glue recep-

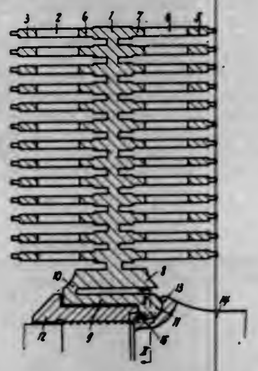
tacle, a cup shaped nipple of rubber or like material attached thereto and having a slit in the bottom and a plunger associated therewith for squeezing glue or like material through said slit.

2,296,862

BLADED DISK FOR RADIAL FLOW ROTARY MACHINES

Ulrich Meininghaus, Muelheim-Ruhr, Germany; vested in the Alien Property Custodian

Application January 28, 1941, Serial No. 376,275
In Germany February 2, 1940
8 Claims. (Cl. 253—39)



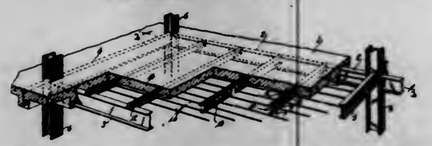
1. A blade or labyrinth carrying disk for radial flow rotary machines, in particular steam or gas turbines, having axially extending carrier rings formed by grooves cut into the body of the disk down to a certain residual depth and carrying blades or labyrinth packing at their outer ends, a shaft, and an additional, supporting ring running parallel to the carrier rings and formed by a groove cut into the body of the disk with greater depth than the other grooves, the supporting ring being of substantially the radial thickness of the carrier rings, but of greater axial length and having only the free end thereof connected to the shaft.

2,296,863

REINFORCED CONCRETE FLOOR CONSTRUCTION

Denning Miller, New York, Walter H. Weiskopf, New Rochelle, and John W. Pickworth, Bronxville, N. Y., assignors to The Aerocrete Corporation of America, New York, N. Y., a corporation of Delaware

Application August 24, 1939, Serial No. 291,676
7 Claims. (Cl. 72—71)



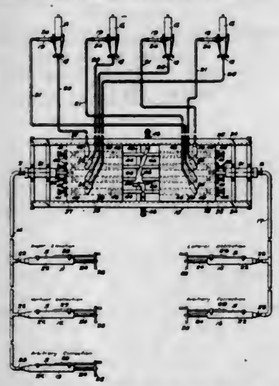
1. A two-way reinforced-concrete flat-ceiling floor construction having one or more generally quadrilateral floor panels, and embodying in each such panel, in combination with a first pair and a second pair of opposite structural supports arranged at the four margins of the panel; a set of laterally spaced apart joists having a substantial resistance to downward deflection and being supported at their opposite ends by said first pair of marginal supports; a set of concrete-reinforcing bars of low vertical dimension relative to that of the joists extending crosswise of all the joists continuously between said second pair of marginal supports and being arranged within the vertical limits of the joists near the lower or tensional side of the panel; and a monolithic slab of hydraulic-cement concrete embedding and bonding with the joists and bars and being co-extensive with the panel and edge-supported by both said pairs of marginal supports; the joists providing the support for the panel and being embedded in the slab of set concrete in the stressed condition to which they are subjected in supporting the load of the panel before the concrete has set, and being adapted also in cooperation with the embedding concrete to sustain and distribute to said first pair of marginal supports a share of a load superimposed on the panel; and the bars being adapted in cooperation with the embedding concrete to sustain and distribute to said second pair of marginal supports the remainder of such superimposed load; whereby the weight of the panel per se is at all times borne by the stressed joists and the concrete is thus relieved of sustaining its own weight, while the load superimposed on the panel is carried by the entire reinforced panel structure acting as a two-way support therefor with the full strength of the concrete available for that purpose.

2,296,864

DATA TRANSMISSION SYSTEM

Douglas E. Morrison, United States Army, Trenton, Ga.

Application April 9, 1941, Serial No. 387,658
3 Claims. (Cl. 33—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a hydraulic transmission system in combination, a vertical deflection receiver having a piston and a piston rod adapted to serve as a sight, a lateral deflection receiver having a piston and a piston rod adapted to serve as a sight, means for mounting the lateral deflection receiver upon a gun with said piston rod disposed for horizontal movement and to serve as a sight, means for mounting the vertical deflection receiver upon said gun with said piston rod thereof disposed for vertical movement and to serve as a sight for coaction with the lateral deflection sight, and conduits connected to the receivers adapted to transmit fluid from a remote point to said receivers effective to displace said pistons.

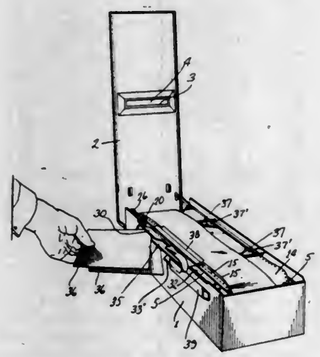
2. In a hydraulic transmission system in combination, a frame, a pair of cylinder blocks provided with a plurality of parallel bores, means slidably mounting the cylinder blocks in opposed portions of said frame with said bores in opposed parallel relation, a piston mounted in each of said bores for reciprocable movement to and from adjacent end portions of opposed bores, piston rods secured to said pistons and terminating in spaced relation intermediate the cylinder blocks, a cam mounted on said frame engaging the adjacent ends of said piston rods, means for reciprocating said cam transversely of the piston rods, outlet members for each of said bores secured to the cylinder blocks, a receiver for each bore, each of said receivers having a displaceable piston, conduits connecting each outlet member with its corresponding receiver effective to transmit fluid from the bores to said receivers for displacing the pistons in the latter, and means for sliding the cylinder blocks in said frame.

2,296,865

AUTOGRAPHIC REGISTER

Kenneth P. Morse, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio

Application August 8, 1940, Serial No. 351,878
18 Claims. (Cl. 282—5)



1. An autographic register, wherein records are made upon interchangeable record sheets and consecutively reproduced upon a continuous transfer strip, including a cabinet, a supply compartment therein for a packet of record strip material, a receiving compartment therein into which inscribed portions of the record strip are delivered, said cabinet having therein an opening defining an inscription receving position through which entries may be made onto underlying record receiving material, a strip feeding device for intermittently advancing the record strip past the inscription receiving position and arresting it with succeeding record receiving areas in registry therewith, a reciprocatory holder for an interchangeable record sheet movable to and fro in superposed relation with the record strip to present a selected record receiving area thereof in the inscription receiving position in registry with the registered record receiving area of the record strip, actuating means for the strip feeding device operated by movement of the reciprocatory record sheet holder and detent means preventing interchange of record sheets until the strip feeding device has been operated.

2,296,866

ALUMINUM ALLOY

Cresap M. Moss, Washington, D. C., assignor to Chicago Development Company, Chicago, Ill.

No Drawing. Application June 26, 1939, Serial No. 281,219
2 Claims. (Cl. 148—2)

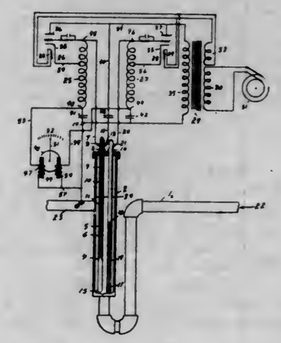
1. The method of preparing an alloy consisting substantially entirely of aluminum and manganese, which comprises producing a liquid solution of electrolytic manganese, having a purity of at least 99.9%, in high purity aluminum, the manganese comprising from 1.25% to 20% of the whole, and the product having less than .5% iron based upon the manganese content, chill casting the alloy from a temperature well above the liquidus, quenching the alloy from a relatively high temperature in the solid range, and reheating the alloy to a temperature of approximately 180 degrees C., the resultant alloy being relatively free from the large needle-like crystals characteristic of ordinary alloys of aluminum with upwards of 2% manganese.

2,296,867

APPARATUS FOR CONTROLLING THE PROPORTIONATE ADMIXTURE OF INGREDIENTS WITH LIQUIDS

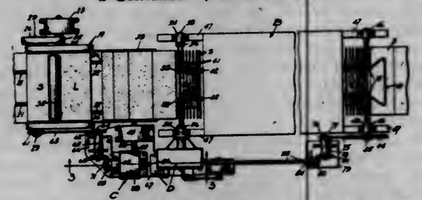
Ralph Willoughby Osborne, Toronto, Ontario, Canada

Application August 12, 1939, Serial No. 289,924
20 Claims. (Cl. 175—183)



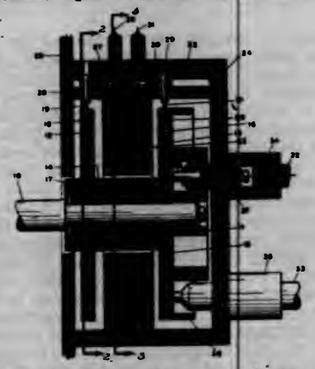
1. In an apparatus for controlling the proportionate admixture of an ingredient with a liquid, a standard tube comprising a tube of dielectric material having a double wall for an intermediate portion of its length, a closed lower end and an annular enclosure between the inner and outer walls, a liquid mixture of standard proportions within the said standard tube, a condenser plate covering an intermediate portion of the outer surface of the inner wall of the said standard tube, a wire attached to the said condenser plate and extended through the outer wall of the said standard tube and connected to a source of high-frequency alternating current whereby the said high-frequency alternating current is admitted to the said liquid mixture of standard proportions as a medium for measuring the electrical conductivity of the said liquid mixture and means comprising a metallic covering of the outer surface of the said inner wall separate from the said condenser plate and extending above the maximum level of the liquid mixture within the said standard tube to compensate errors in electrical conductivity measurements due to thermal expansion of the said liquid mixture.

2,296,868
MECHANISM FOR DRIVING TANDEM MACHINES
William Pechy, Manasquan, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Original application September 4, 1935, Serial No. 39,181, now Patent No. 2,167,676, dated August 1, 1939. Divided and this application June 13, 1939, Serial No. 278,963
4 Claims. (Cl. 198—76)



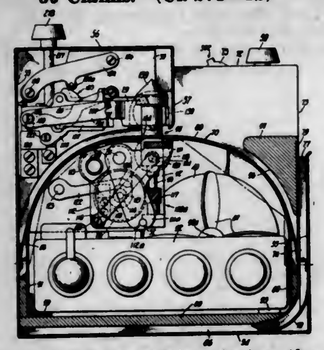
1. In a pair of machines for operating successively upon sheets of metal to be treated, the combination of separate conveyors for advancing the sheets respectively through said machines, one of said conveyers delivering the sheets after treatment in one machine to the other machine conveyer for a further treatment, a common driving means for both conveyors, an independent driving means for one of said conveyors, and means for selectively actuating said driving means so that both conveyors may be operated in unison from the common driving means or one conveyor may be maintained in operation from said independent driving means while the other machine and its conveyor is at rest, said independent driving means for one conveyor being at all times out of driving engagement with the remaining machine and its conveyor.

2,296,869
DUAL DISTRIBUTOR
Melville F. Peters, Beltsville, Md., and George F. Blackburn, Washington, D. C.
Original application July 3, 1940, Serial No. 343,734. Divided and this application September 9, 1941, Serial No. 410,168
5 Claims. (Cl. 200—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A dual distributor for successively applying electrical impulses to a plurality of spark plugs of an engine comprising a shaft driven by the engine with which said distributor is to be used, a pair of spaced apart disk-like members carried by said shaft for rotation therewith, a pair of pick-up rings concentric with said shaft carried by one face of one of said members, a conductor leading from each of said rings to the periphery of a separate one of said members and terminating in an electrode, means insulating said conductors and said rings from ground and from each other, a casing enclosing said disk-like members, two spaced series of electrodes carried by said casing, each of said series being so located as to be passed in succession by one of said disk-carried electrodes, means connecting each electrode of said series to a spark plug of said engine, and means held in continuous contact with each of said pick-up rings for supplying current thereto.

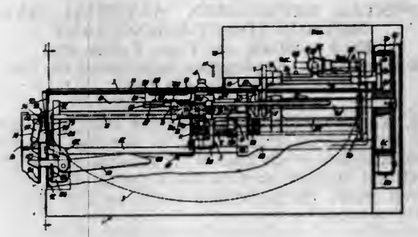
2,296,870
SOUND RECORDING AND REPRODUCING
Barton A. Proctor, Larchmont, and Ferdinand C. W. Thiede, Hempstead, N. Y., assignors to B. A. Proctor Company, Inc., New York, N. Y., a corporation of New York
Application July 8, 1938, Serial No. 218,082
30 Claims. (Cl. 274—12)



21. In a sound translating device, the combination of means for supporting a thin, flexible, disc record for rotation and defining an axis of rotation for the record, a pair of opposed friction feed wheels directly engageable with opposite faces of the record for rotating said record in one direction about the defined axis, a platen wheel in rolling engagement with a surface of said record over an area which is of small extent with relation to the record radius, means supporting the platen wheel for rotation about an axis transverse to the defined axis of the record, sound translating means including a stylus, means for operatively supporting said sound translating means in fixed relation to the platen wheel axis so that its stylus engages a surface of the record in opposition to the platen wheel and in fixed relation to the point of contact between said platen wheel and record, and means operatively associated with the axis defining means, the stylus, the feed wheels and the platen for progressively changing the distance between the stylus, the feed wheels and the platen wheel on the one hand, and the axis defining means on the other.

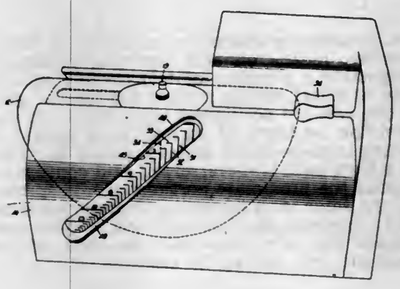
2,296,871
INDEX MEANS FOR SOUND TRANSLATING
Barton A. Proctor, Larchmont, N. Y., assignor to B. A. Proctor Company, Inc., New York, N. Y., a corporation of New York
Application April 23, 1940, Serial No. 331,125
15 Claims. (Cl. 274—12)

5. A dictation machine comprising, in combination, a center spindle for a disc record, a stylus having a substantially fixed record engaging position, the stylus being unavailable for visual observation to establish a desired relation of the record with the stylus, a carriage for the center spindle movable to carry the center spindle toward and from the stylus, a stationary rack extending in the direction of travel of the carriage, a pinion mounted on the carriage in posi-



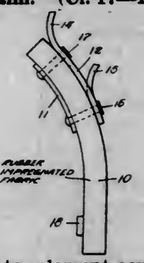
tion to engage the stationary rack, a movable rack operable from the carriage through the pinion, and an index member carried by the second rack at the opposite side of the center spindle from the stylus and adapted for direct visual comparison with the record, the arrangement being such that the index member and the stylus are caused relatively to approach and recede from the center spindle at equal speeds but in opposite directions.

2,296,872
SOUND RECORDING AND REPRODUCING APPARATUS
Barton A. Proctor, Larchmont, N. Y., assignor to B. A. Proctor Company, Inc., New York, N. Y., a corporation of New York
Application June 25, 1941, Serial No. 399,605
19 Claims. (Cl. 274—9)



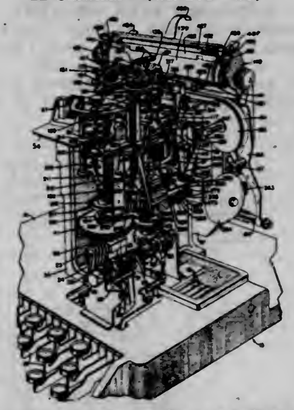
1. Apparatus for rotating disc records which comprises means for imparting both rotary and translatory movement to a record, and means for indicating the relative translatory position of the record, including an indicator moved in conformity with the translatory movement of the record and a scale in register with the indicator, the indicator and scale being arranged with the record between them when in operative position.

2,296,873
HOG SCRAPER-BEATER
John Rachford, Chicago, Ill.
Application June 14, 1939, Serial No. 279,217
1 Claim. (Cl. 17—18)



A dehairing beater element comprising a block of flexible fabric material having a free end preformed in a set arcuate shape.

2,296,874
PRINTING TELEGRAPH APPARATUS
Albert H. Reiber, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application May 4, 1936, Serial No. 77,796
Renewed May 8, 1940
11 Claims. (Cl. 178—29)

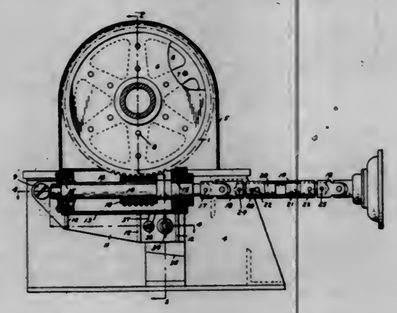


1. In a printing telegraph apparatus, a permutation mechanism, a rotatable shaft extending through said mechanism, a stop arm carried by said shaft to be controlled by said permutation mechanism, a type wheel carried by the shaft in predetermined angular relation to said stop arm, a carriage having a platen adapted to present successive portions to said type wheel, and a plurality of function selecting abutment pins carried by said shaft at one end thereof in predetermined angular relation to said stop arm and said type wheel for controlling the operation of said carriage.

2,296,875
SLOW-MOTION DRIVE FOR CENTRIFUGAL CASTING MACHINE
Scott B. Ritchie, United States Army, Cootes Store, Va.
Application July 23, 1941, Serial No. 403,761
5 Claims. (Cl. 74—389)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

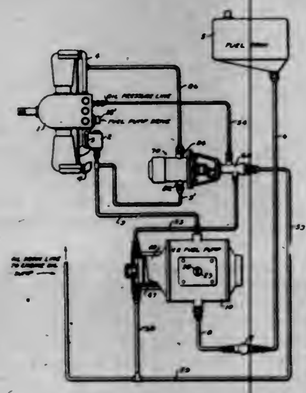
1. In combination, a prime mover and shaft,

a worm gear on said shaft, a second shaft mounted crosswise of said first shaft having a pivotal mounting at one end and a universal joint cou-



pling at the other end, independent drive means connected to said second shaft at the universal joint coupling, and a worm on said shaft for engagement with said worm gear.

2,296,876
AIRCRAFT FUEL SYSTEM
David Samiran and Roy B. Poole, Dayton, Ohio
Application February 24, 1941, Serial No. 380,396
4 Claims. (Cl. 123—139)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

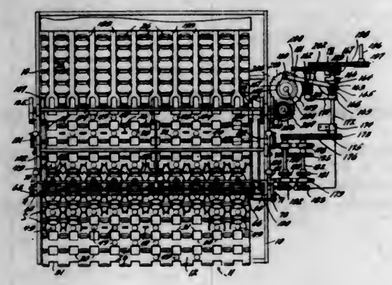


1. A fuel system for an internal combustion engine having an intake manifold comprising, a source of fuel supply, a variable output-pumping system connected to said fuel supply, said pumping system including a delivery conduit for conducting fuel under pressure to said engine for consumption thereby, a variable-displacement pump for controlling the fuel delivery of said pumping system, and a pressure responsive governing means including a control element operative to control the displacement of said variable-displacement pump, said governing means having a resilient loading means opposing movement of said control element in one direction, a first pressure responsive means responsive to fuel pressure at the point of delivery operative to move said control element in said one direction, and a second pressure responsive means for modifying the movement of said control element in response to the instant pressure within the engine intake manifold, and the net movement of said control element being in response to the absolute difference between the said fuel and intake manifold pressures.

2,296,877
DENTAL IMPRESSION MATERIAL AND METHOD FOR FORMING SAME
Fred A. Slack, Jr., Penn Valley, Pa.
No Drawing. Application September 18, 1941, Serial No. 411,366
2 Claims. (Cl. 260—32)

2. An impressionable mass for intra-oral dental impressions comprising a mixture of ethyl methacrylate resin and ethyl alcohol in the proportions of from one to three parts of dry powdered ethyl methacrylate resin to one part of ethyl alcohol by volume.

2,296,878
SPRING ASSEMBLING MACHINE
Joseph A. Saval, Jamaica, N. Y., assignor to Joseph Aronauer, Inc., New York, N. Y., a corporation of New York
Application September 27, 1940, Serial No. 358,720
38 Claims. (Cl. 140—3)

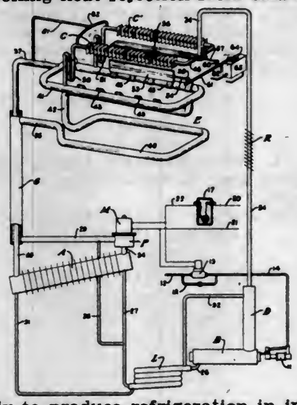


1. In a spring assembling machine, a conveyor member, means on said conveyor member for supporting a plurality of transversely extending rows of spiral springs so that portions of springs in one row are positioned in proximity to corresponding portions of springs in a second row, means to periodically move a spring tie member in a fixed path transversely of said conveyor and around the proximate portions of said springs to tie the same, and means to intermittently move said conveyor member to bring a new row of springs into alinement with the path of movement of said spring tie member.

2,296,879
REFRIGERATION
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 20, 1938, Serial No. 220,201
30 Claims. (Cl. 62—5)

2. Refrigerating apparatus comprising an evaporator having a plurality of freezing sections, a cooling medium heat rejecting element connected to each section, means for supplying

cooling medium to said elements, and means for controlling heat rejection from said elements



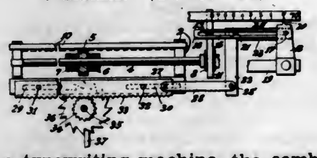
selectively to produce refrigeration in individual sections of said evaporator.

2,296,880
FASTENER
Cornelius P. Smith, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application November 28, 1940, Serial No. 367,508
19 Claims. (Cl. 24—205)



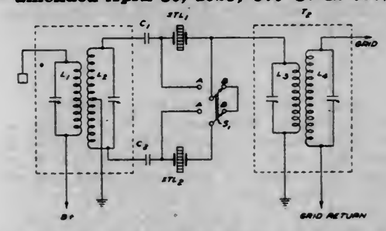
1. A fastener comprising as the interlocking members thereof a pair of coils capable of being mated with one another, the filament of at least one of the coils being of substantially uniform but non-circular cross-section and being twisted about its own axis, at least once in each of at least the alternate convolutions of the coil, from a position where the major diameter of the filament is substantially parallel to the axis of the coil to a position where the minor diameter of the filament is substantially parallel to the axis of the coil to another position where the major diameter of the filament is substantially parallel to the axis of the coil.

2,296,881
TYPEWRITING MACHINE
Izso Szegö, Ernst Keszler, and Georg Kolozs, Kusnacht, Zurich, Switzerland, and Endre Turczay, Budapest, Hungary, assignors, by direct and mesne assignments, to Universag Technische A. G., Glarus, Switzerland, a corporation of Switzerland
Application November 21, 1939, Serial No. 305,490
In Hungary June 3, 1939
7 Claims. (Cl. 197—84)



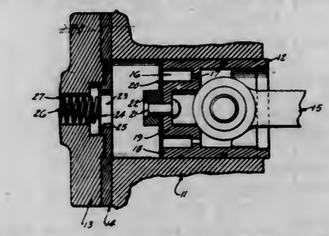
7. In a typewriting machine, the combination with a carriage movable step by step and escapement mechanism for the carriage including a rack slidably mounted relative to the carriage, of variable leverage means between the rack and carriage comprising a bell crank lever pivotally mounted intermediate the ends on the carriage and having one arm operatively connected to the rack, a second lever having one end pivotally connected to the other arm of the bell crank lever, a fulcrum for the second lever slidably engageable with the latter for movement longitudinally of the same to vary its position with respect to the pivotal connection between the levers, a rack connected to the second lever for swinging the latter about the fulcrum, a pinion meshing with said rack, and means responsive to movement of said carriage for rotating the pinion.

2,296,882
CRYSTAL BRIDGE CIRCUIT FOR RADIO AMPLIFIERS
Emerick Toth, Cheverly, Md.
Application January 15, 1941, Serial No. 374,439
4 Claims. (Cl. 178—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A crystal bridge circuit comprising two branches, a plurality of coupled resonant elements in said circuit, a crystal in each of said branches, said crystals being resonant at different frequencies, means for switching said crystals into or out of said circuit, and a capacitor in each of said branches between said crystal and the input end of said circuit, said capacitors providing approximately critical coupling between said elements in order to substantially prevent detuning of said circuit when said crystals as switched either into or out of said circuit subsequent to its alignment in the alternate condition.

2,296,883
METHOD OF MAKING INLET VALVES FOR REFRIGERATING COMPRESSORS
Allen Trask, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application May 6, 1937, Serial No. 141,120
9 Claims. (Cl. 29—157.1)



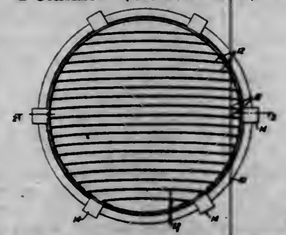
1. The method of making a thin and flexible disc valve, comprising the following steps: selecting a sheet of Swedish flapper valve steel; punching a flat blank from said sheet; and then

removing a thin stratum of the metal from one side face only of the blank, whereby said blank is caused to assume a normally curved shape.

2,296,884
METHOD OF COATING
John S. Thompson, Detroit, Mich., assignor to Parker Rust Proof Company, Detroit, Mich.
No Drawing. Application September 28, 1935, Serial No. 42,667. Renewed July 29, 1939
8 Claims. (Cl. 148—6)

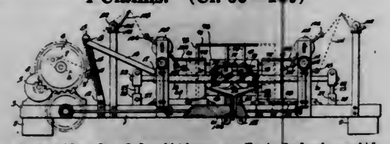
1. A process which comprises subjecting a metallic surface composed principally of one of the group consisting of iron, steel and aluminum to the action of a heated solution containing a soluble hexavalent chromium compound and an oxidizing agent selected from the group consisting of permanganates, nitrates, and persulphates, and also containing one of the group consisting of the SO_4 radical, the Cl radical and the NO_3 radical, at least one ingredient being added in the form of acid, and treating the metallic surface until a visible protective paint holding coating is obtained thereon and thereafter coating such surface with one of the group consisting of paints, lacquers and enamels.

2,296,885
ELECTRON DISCHARGE DEVICE
Robert L. Vance, Weehawken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 28, 1941, Serial No. 400,229
4 Claims. (Cl. 250—27.5)



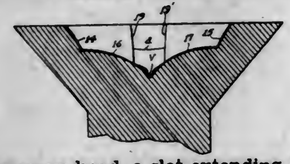
1. A grid electrode for electron discharge devices comprising a support having an aperture therein, and a plurality of uniformly spaced metallic members extending across said aperture and having their ends secured to said support, said members being bowed in the same direction laterally with respect to said support.

2,296,886
METHOD OF PRODUCING KNITTED FABRICS
William J. Wesseler, East Cleveland, Ohio
Application February 27, 1939, Serial No. 258,771
4 Claims. (Cl. 66—169)



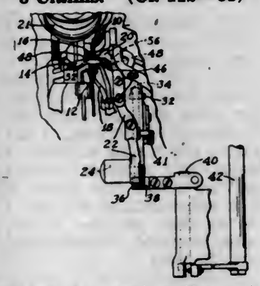
1. A method of knitting a flat fabric with lateral selvaged edges and identical loop formation on each of its sides which includes the steps of supplying yarns from at least two yarn series positioned on opposite sides of the upper fabric margin, applying tension to certain momentarily inactive yarns to maintain said fabric in position, and forming loops upon opposite yarns in alternate succession upon which the tension has been relieved by drawing a new loop from a yarn of one series through a loop just completed on a yarn of the second series, and repeating said steps on successive yarns progressively back and forth across the fabric width.

2,296,887
SCREW
Maxwell A. West, Portland, Oreg., assignor to Champion, Inc., Portland, Oreg., a corporation of Oregon
Application October 17, 1941, Serial No. 415,457
7 Claims. (Cl. 85—45)



1. In a screw head, a slot extending across the screw axis, the side walls of said slot being slightly convex from bottom to top, said walls being slightly wider apart at the top of the slot than at the bottom, the bottom of said slot being concaved transversely.

2,296,888
SHOE SEWING MACHINE
Carl F. Whitaker, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 14, 1940, Serial No. 340,555
8 Claims. (Cl. 112—51)

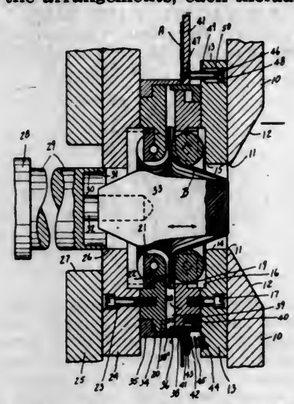


1. A machine for sewing the outsole to the welted upper of a shoe having, in combination, stitch forming devices including a work penetrating instrument, an adjustable edge gage for guiding the seam along the projecting margin of the outsole, and a shiftable crease guide connected for actuation with the edge gage to prevent the work penetrating instrument from cutting the inseam connecting the welt and upper when the edge gage is adjusted to an inoperative position.

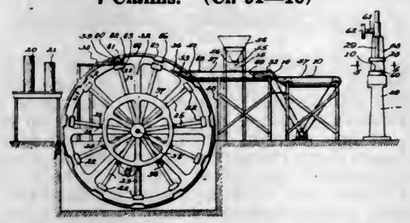
2,296,889
PROCESS OF AND APPARATUS FOR FORMING SEAMLESS FIBER STOCK CONTAINERS
Lee M. Wiley, Marion, Ind.
Application May 13, 1940, Serial No. 334,823
11 Claims. (Cl. 93—60)

1. In a fiber stock container forming machine, a pair of confronting creasing arrangements having registering central openings therethrough, and means for engaging a blank therebetween

and centrally thereof for drawing the blank through the arrangements, each including a peripheral series of spaced creasing wheels, the wheels in the arrangements overlapping each other.



2,296,890
MACHINE FOR MAKING ABRASIVE DISKS
Frank Osbern Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa
Application November 25, 1938, Serial No. 242,249
7 Claims. (Cl. 91—18)

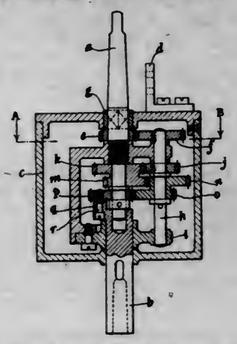


6. A machine for the manufacture of abrasive disks, comprising a support for a plurality of backing disks adapted to receive an abrasive, said backing disks being supported in spaced relation to each other on said support, and being moved by said support, a supply of binder for binding the abrasive on said disks, means for applying a uniform layer of the binder from said supply to the disks successively as they are held on said support, said support being moved, as the binder is applied, a second movable supporting member located adjacent the first supporting member, and adapted to receive the backing disks coated with binder as they are discharged from the first-mentioned support, and means for applying abrasive particles against the binder on said discs while carried on said second movable support.

2,296,891
CEMENT
Bjorn Andersen, Maplewood, N. J., assignor, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application November 9, 1940, Serial No. 365,043
7 Claims. (Cl. 106—180)

7. A cement for bonding foils having a basis of cellulose acetate to surfaces of textile fabrics and other materials, comprising 100 parts by weight of nitrocellulose, having a combined nitrogen content of 11% and a viscosity of 20 to 25, and 80 parts by weight of methyl phthalyl ethyl glycollate dissolved in a solvent mixture consisting of 335 parts by weight of acetone and 540 parts by weight of mono methyl ether of ethylene glycol.

2,296,892
PLANETARY GEARING
Harry Jones Andrew, Oldham, England
Application September 24, 1940, Serial No. 358,171
In Great Britain February 1, 1940
2 Claims. (Cl. 74—394)



1. Means for driving a tapping tool in a machine for forming screw threads on articles, comprising a fixed casing, a sun wheel fixed to the casing, a tool holder journalled in the casing, a driving spindle journalled in the casing, a frame fixed to the spindle and enclosed in the casing, a shaft mounted in the frame, a planetary wheel keyed to the shaft and meshing with the sun wheel and thereby rotating the shaft, a spur wheel keyed to the shaft, a second spur wheel free on the driving spindle and driven by the first-mentioned spur wheel, a gear wheel secured to the second spur wheel, a second gear wheel secured to the tool holder and two gear wheels free on the shaft but secured together, of which one is driven by the first gear wheel and the other drives the second gear wheel and through it the tool holder, these four gear wheels each being of the type in which the distance from the periphery to the axis of rotation varies from point to point around the periphery, for the purpose of causing automatically alternate positive and negative acceleration of the tool holder with reference to the driving spindle, and thereby producing periodic reversals of the direction of rotation of the tool holder.

2,296,893
ILLUMINATED SIGN
Harold J. Austin, Hartsdale, N. Y.
Application February 12, 1941, Serial No. 378,507
4 Claims. (Cl. 40—130)

1. In a sign, a frame of translucent material and channel shape in cross section, a pair of tubes of transparent material each having an electric conducting gaseous medium sealed therein adapted to be rendered luminous by an lectric charge thereon, and electric conductors in electrical connection with the gaseous medium in the tubes extended to the exterior of and sealed in the ends of the tubes, the electric conductors at one end of the tubes being electrically connected and connecting the gaseous medium in one tube in electric circuit with the gaseous medium in the other tube, and the conductors

at the opposite ends of the tubes adapted to be electrically connected to a source of electric energy, one of said tubes being shaped to conform to the contour of the frame and disposed in the channel thereof and having a coating of opaque material on the surface exposed through the open side of the channel of the frame to illu-



minate the frame and the other tube shaped to form an inscription or symbol of the sign supported by and disposed within the opening in the frame, and the gaseous medium in said latter tube adapted to produce light of a color contrasting with the color of the light produced by the tube disposed within the channel of the frame and the illumination of the frame.

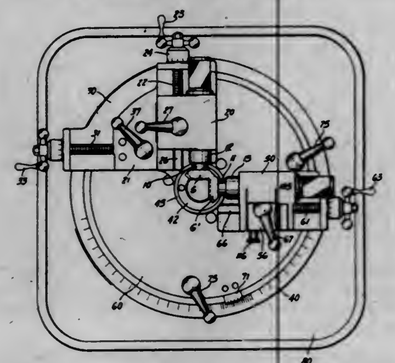
2,296,894

APPARATUS FOR TESTING GEARS

Oliver F. Bauer, East Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York

Application April 19, 1941, Serial No. 389,426

6 Claims. (Cl. 33—179.5)



1. Apparatus for testing a pair of tapered gears comprising a pair of supports for supporting the gears to be tested with their axes angularly disposed to one another, a carrier in which one of said supports is mounted, a head on which said carrier is mounted for pivotal movement about an axis parallel to the axis of rotation of one of the gears, a head on which the other support is mounted, means for adjusting the heads relative to one another to bring the gears carried by said supports into mesh, separate means for yieldably urging the carrier in opposite directions, respectively, about its pivot to hold said gears in mesh under load, means for adjusting the tension of one of said yieldable means to render it operative or inoperative at will, and means for indicating the amount of any movement of the carrier about its pivot as the gears rotate together.

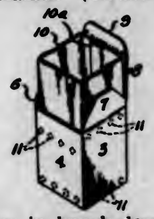
2,296,895

LINED CONTAINER AND METHOD OF PACKAGING WITH SAME

Robert Morris Bergstein, Cincinnati, Ohio

Application December 23, 1939, Serial No. 310,789

7 Claims. (Cl. 229—14)



1. A container in knock-down form comprising an outer carton having a body with closure flaps articulated to one end only thereof, and secured within said carton an independently-seamed tubular liner, projecting beyond the carton body at said end, and terminating substantially flush with the carton body at the other end thereof.

2,296,896

METHOD OF MAKING DUPLEX CONTAINERS

Robert Morris Bergstein, Cincinnati, Ohio

Application January 21, 1941, Serial No. 375,098

16 Claims. (Cl. 93—36.01)



1. The method of making knockdown containers which includes providing flat cut and creased blanks with flexible, fusible liners secured to the inner surface thereof in such manner as to project at one margin, moving along said blanks with said liners thereon and providing fixed overhead means in the course of travel to define opposed edges over which said liner is folded and to provide a plate against which to form a seam, one of said edges adapted to define the fold of an independent liner portion which may be lapped upon the projecting margin of said liner and secured thereto, the other of said edges adapted to define the simultaneous fold of liner and blank portions.

2,296,897

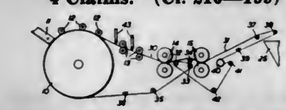
DEWATERING OF FIBROUS MATERIALS

Joseph Billing and David Robert Johnston, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application March 17, 1939, Serial No. 262,512

In Great Britain April 5, 1938

4 Claims. (Cl. 210—199)



1. A device for dewatering or cleansing and dewatering fibrous materials, which comprises a rotatable dewatering roll, a guide roll, two squeezing presses disposed on opposite sides of said guide roll and horizontally spaced with respect to each other, two sets of endless parallel strings, and means including the dewatering roll and a positively driven roll for driving said strings, one set of strings passing around the dewatering roll, through one squeezing press and around said guide roll, and the other set passing around said guide roll and through the other squeezing press, the second set of strings cooperating with the first set at said guide roll to take up from said first set the fiber web formed thereon at the dewatering roll and carry it forward through the second squeezing press.

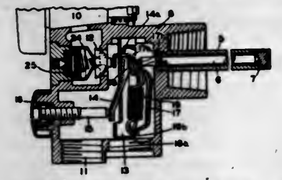
2,296,898

ADJUSTABLE THERMOSTATIC VALVE

Carlton W. Bondurant, Euclid, Ohio, assignor to The Titan Valve and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application April 26, 1941, Serial No. 390,481

3 Claims. (Cl. 74—100)



1. Snap acting mechanism of the character described, adapted for actuation by a thermostatic element, comprising a snap lever, a spring connected with said lever and adapted in either of two positions on either side of its fulcrum to exert turning force upon it, said spring in an intermediate position of balance exerting no turning force on said lever, a main lever adapted for operation by a thermostatic element and having an operative connection for causing relative movement of said spring back and forth across the snap lever fulcrum, and a supplemental spring having operative connection with said snap lever when the latter is on one side only of said position of balance and adjustable to produce pressure strong enough to push said snap lever beyond said position when said first named spring is near its position of balance.

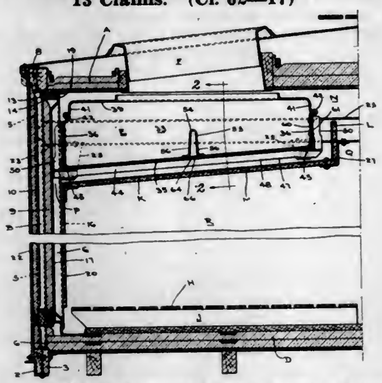
2,296,899

REFRIGERATOR CAR CONSTRUCTION

Charles D. Bonsall, Chicago, Ill., assignor to Standard Railway Devices Company, a corporation of Delaware

Application May 16, 1940, Serial No. 335,445

13 Claims. (Cl. 62—17)



1. In a refrigerator car having a pair of spaced apart carlines, a refrigerant container disposed therebetween and means to support said container comprising a plurality of spaced apart U-shaped members, each comprising a brace underlying the bottom of said container and spaced apart upstanding arms adjacent the opposite walls of said container, purlins extending between and secured to said U-shaped members and means to secure the ends of said purlins to said carlines.

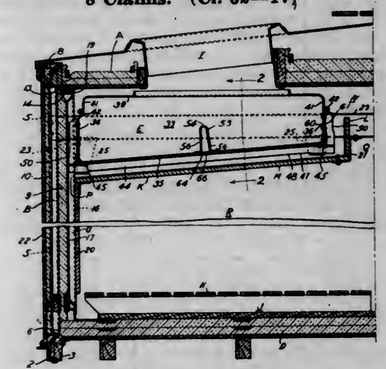
2,296,900

REFRIGERATOR CAR CONSTRUCTION

Charles D. Bonsall, Chicago, Ill., assignor to Standard Railway Devices Company, Chicago, Ill., a corporation of Delaware

Original application May 16, 1940, Serial No. 335,445. Divided and this application January 26, 1942, Serial No. 428,156

8 Claims. (Cl. 62—17)



1. In a refrigerator car a refrigerant container having side and end walls, a substantially vertical baffle within said container extending substantially parallel with said side walls in spaced relation thereto and having the ends thereof spaced from said end walls, and an aperture in one of said side walls in spaced relation to said bottom, said aperture being spaced from each of said end walls at least as far as the end of said baffle adjacent thereto.

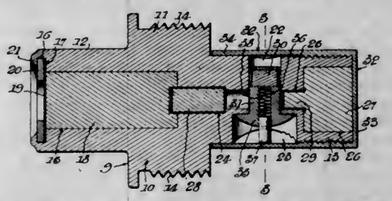
2,296,901

TRACER AND SELF-DESTROYING DEVICE

Harold M. Brayton, Dover, N. J., assignor to American Armament Corporation, New York, N. Y., a corporation of Delaware

Application November 12, 1940, Serial No. 365,356

6 Claims. (Cl. 102—60)



1. In a tracer and self-destroying device, a body having a socket which opens through its rear end, said socket having an enlarged rear end and a rearwardly facing shoulder at the front extremity of the enlargement, a tracer charge in said socket and having its rear end in the same plane with said shoulder, a thin highly inflammable nitrocellulose disk within said enlarged rear end of said socket and lying against said

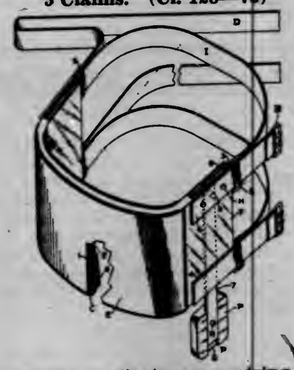
shoulder and the rear end of said tracer charge, a washer ring lying against the rear side of said disk, and securing means for said washer ring.

2,296,902
RAZOR
Arthur J. Briggs, Syracuse, N. Y., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey
Application January 31, 1941, Serial No. 376,774
13 Claims. (Cl. 30—46)



1. A razor of the magazine type comprising a casing with an open end, a blade container slidably contained in the casing and likewise having an open end, and a member hingedly connected to the container and serving as a closure for both the open end of the container and the open end of the casing.

2,296,903
WRINKLE ERADICATOR
Ivy Deibel Brown, Vista, Calif.
Application August 12, 1939, Serial No. 289,885
5 Claims. (Cl. 128—76)



5. A wrinkle eradicator comprising an elastic rubber envelope, a tongue closing one end of said envelope and united with the walls of the envelope to form an end flap, said tongue having an extension folded upon said end flap and secured thereto, a loop secured in said folded extension, a like tongue and end flap and extension and loop at the opposite end of said envelope, and a sheet of resiliently compressible material enclosed within said envelope and mating with the size thereof to serve as a cushioning member spacing the walls of said envelope apart, said envelope being free of any attachment to said cushioning member.

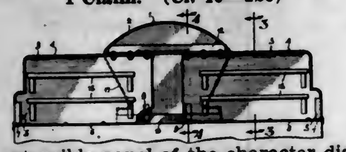
2,296,904
GAME
Jennie Pearl Brown and Virginia V. Guild, Pueblo, Colo.
Application March 24, 1941, Serial No. 384,998
1 Claim. (Cl. 273—152)

A deck of playing cards for playing the game of American Flag, comprising twenty-six star cards, twenty red stripe cards, fifteen white stripe cards, five blue cards, five staff cards, fifteen flag cards, four Uncle Sam cards, four Betsy Ross cards, two rip cards, three out of thread cards, eight thread cards, three lost star cards, eight



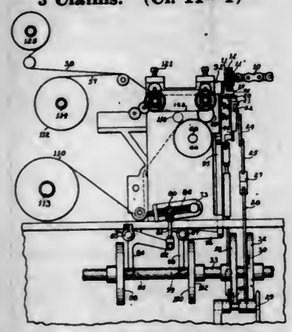
star cards, three broken needle cards, eight needle cards, aggregating in all one hundred and twenty-three cards.

2,296,905
CABINET TOP PANEL
Henry E. Brunhoff, Wyoming, Ohio, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application September 23, 1940, Serial No. 357,938
1 Claim. (Cl. 40—126)



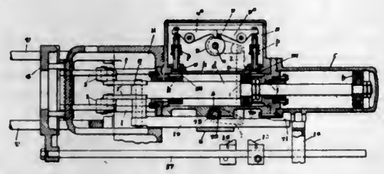
An extensible panel of the character disclosed composed of a plurality of sheet metal sections, comprising: a main central section and a pair of wing sections extending from relative opposite ends of the central section and rearward therefrom, the central section having a lateral flange extending from the rear side for the outline of the section to reinforce and position the same in relief from the wing sections, a flange extending from the rear side of the central section in parallelism with and overlying adjoining portions of a rearwardly flanged top edge of the wing sections for rigidly joining the sections in relative wing extensible positions, the base end of the rear side of the central section channelled providing an outstanding flange and the wing sections at their outer side overlying said upstanding flange and slidingly clipped thereto for extending and limiting the extensibility of the wing sections upon the central section.

2,296,906
MACHINE FOR LINING THE BACKS OF BOOKS
John S. Carlson, Norwood, Mass., assignor of one-half to The Colonial Press, Inc., Clinton, Mass., a corporation of Massachusetts
Application April 4, 1941, Serial No. 386,908
3 Claims. (Cl. 11—1)



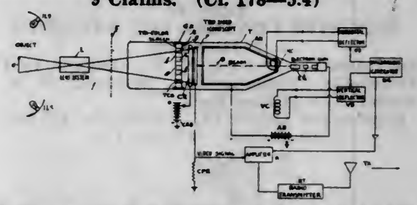
1. A machine for lining the back of a book comprising a primary mechanism including a carrier for presenting books successively at a given station, means for applying a coating of adhesive on the back of each book, intermittently actuated applicator mechanism at said station for applying a strip to the adhesive coated surface and roller mechanism for subsequently pressing the strip into position, and a branch line mechanism coordinated with the primary mechanism for supplying intermittently a reinforced multiple strip to the applicator mechanism at said station comprising means providing supplies of continuous strips of different widths, one strip being substantially as wide as the length of the book back and a second strip being substantially as wide as the distance between the normal positions of head bands on the book, means for feeding the continuous strips forward into a superimposed contacting relationship with their center lines substantially in alignment and the wider strip provided with margins for head bands, means for feeding two head bands solely into contact with said margins and thereby forming a continuous multiple strip having a uniform number of layers throughout its width, means for applying a coating of adhesive so as to cause said continuous strips and bands to adhere when brought together, intermittently actuated cutter mechanism for severing the adhering continuous strips and bands and forming a series of separate reinforced multiple strips of substantially the area of the book back, and means for intermittently presenting the reinforced strips to the applicator mechanism for application of each to the adhesive coating on a book before the adhesives have set.

2,296,907
PNEUMATICALLY OPERATED DIE-CASTING MACHINE
Leonard Arthur Catlin and Wilfred Henry Cockerill, West Bromwich, England, assignors to E. M. B. Company Limited, West Bromwich, England
Application September 29, 1941, Serial No. 412,880
In Great Britain August 1, 1941
7 Claims. (Cl. 22—68)



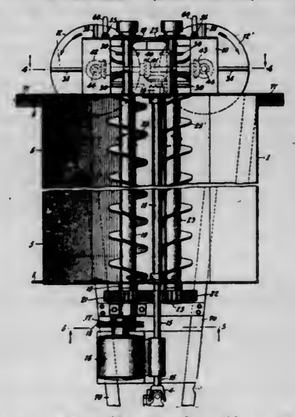
1. Controlling means for a die-casting machine of the kind specified, comprising the combination of a pneumatically operable and relatively slidable piston and cylinder for actuating the movable die head of the machine, valve means for controlling the flow of compressed air to and from the cylinder, additional valve means for controlling the flow of compressed air whereby the material can be injected into the die of the machine, a hydraulic locking device for interrupting the movements of the die head at desired positions, an oscillatory shaft operable by the attendant for controlling the operations of both the first and second mentioned valve means and the hydraulic locking device; and a slidable interlocking rod arranged at right angles to the shaft and responsive to the relative movement between the piston and cylinder whereby movement of the shaft for controlling the second mentioned valve means can only occur when the die head is in the closed position, the said shaft and rod being adapted to co-operate with each other to limit the extent of the movement that can be imparted to the said shaft by the attendant when the die head is in the open position.

2,296,908
COLOR TELEVISION SYSTEM
Everett Crosby, New York, N. Y.
Application December 10, 1940, Serial No. 369,393
9 Claims. (Cl. 178—5.4)



1. In a color television system, the combination of a lens system and a cathode ray scanning oscillograph comprising an evacuated envelope, a photosensitive plate mounted within the envelope substantially in the focal plane of the lens system, and a multicolor elementary light filter mounted within the envelope and spaced minutely from the plate on the side of the lens system, the filter elements being substantially coplanar.

2,296,909
SPREADER
Merrills L. Dake, Ithaca, N. Y., assignor to Co-operative Grange League Federation Exchange, Inc., Ithaca, N. Y., a corporation of New York
Application May 7, 1941, Serial No. 392,329
5 Claims. (Cl. 275—2)



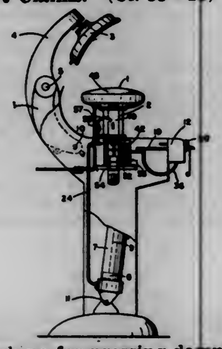
1. In a spreader, the combination of a body, a drive shaft passing thru the body and extending beyond the body at both ends, a reduction gear driven by said shaft and located in front of the body, a chain drive connected to the reduction gear, a conveyor worm and shaft operated by said chain drive, a pair of gears also operated by said chain drive, a second conveyor worm and shaft driven by said pair of gears in a direction of rotation opposite to that of the first mentioned conveyor worm, both worms being located longitudinally in the bottom portion of the body and having screws of opposite pitch arranged to force the material to be spread toward the rear of the body, said body having an opening at the rear thru which said material may pass, scraper pins at said opening to free the emerging mate-

rial, breaker pins on the rear of the conveyor worm shafts, a pair of rotary distributer disks, gearing connecting the drive shaft to the disks, a pair of transversely adjustable gates and a longitudinally adjustable gate whereby the resultant gate opening can be adjusted to different radial and circumferential positions over the disks to control the direction and amount of spread.

2,296,910
HUMIDITY CONTROL FOR PRESSING MACHINES

Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York

Application July 5, 1941, Serial No. 401,227
10 Claims. (Cl. 38—15)



1. In a machine for pressing damp fabrics, the combination of relatively movable, cooperative pressing elements having a closing and opening movement, and actuating means for effecting such movement, at least one of said elements being heated, and one of said elements being formed with a chamber located to receive steam generated from the moisture in the garment by the heating action of the heated pressing element, the chamber having an outlet through which the steam passes under its own pressure only, and means operable by the steam passing through the outlet for holding the press closed and releasable to open the press by the absence of appreciable steam in the outlet due to the drying of said garment.

2,296,911
NITROGLYCERIN RESISTANT PLASTIC CONTAINER

John M. De Bell, Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application November 24, 1939, Serial No. 305,891
11 Claims. (Cl. 102—1)

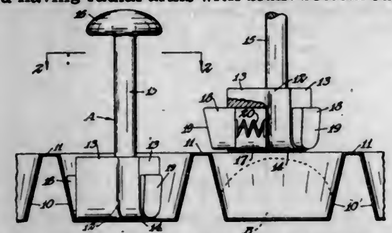
2. In combination, a nitroglycerin-resistant container, a nitroglycerin-containing composition therein, said container having a surface thereof in intimate contact with said nitroglycerin-containing composition, said surface consisting principally of a co-polymer of a vinyl halide and a vinyl ester of a fatty acid.

2,296,912
APPARATUS FOR FORMING "CLOVERLEAF" ROLLS

Norman R. Erickson, Mankato, Minn.

Application April 17, 1941, Serial No. 388,928
8 Claims. (Cl. 107—8)

1. Apparatus for forming rolls having radial lines of separation which includes, a forming head having radial arms with blunt bottom edges,

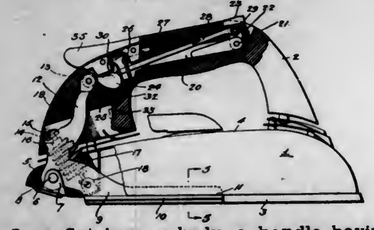


and each of said arms having an extension member carried thereby and movable longitudinally thereof.

2,296,913
FLATIRON SUPPORT MECHANISM

John C. Fagan, Philadelphia, Pa., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application April 26, 1939, Serial No. 270,208
14 Claims. (Cl. 38—79)

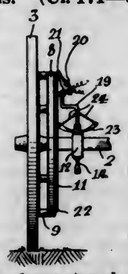


14. In a flat-iron, a body, a handle having a gripping portion, a manually-operable pedal-like member located on said handle rearwardly beyond said gripping portion and movable from a position in which it is slightly elevated to a depressed position in which it is substantially contiguous with the handle surface, whereby said member is depressible by the user's hand while gripping the gripping portion of said handle, supporting means on the iron movable to operative and inoperative positions relative to said body, and means operable by said member for actuating said supporting means to its inoperative position in response to depression of said member.

2,296,914
CURRENT GENERATING DEVICE FOR VEHICLES

David Fortin, Lac Ste.-Croix, Quebec, Canada

Application February 26, 1942, Serial No. 432,483
In Canada February 4, 1942
3 Claims. (Cl. 171—313)

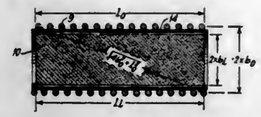


2. A device of the character described comprising a ring adapted for attachment to a wheel of a vehicle in parallel relation thereto, a clamp adapted for attachment to an axle of the vehicle, an arm pivotally supported by said clamp, a bracket mounted on said clamp and extending transversely of the journaled portion of said arm, springs extending from the ends of said bracket to said arms, and a generator carried by said arm and in driving relation with said ring.

2,296,915
RESONANT CIRCUIT

Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 7, 1941, Serial No. 392,313
9 Claims. (Cl. 250—40)

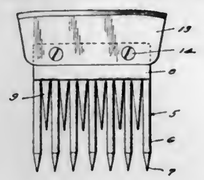


7. In an iron core coil adapted to be used in a resonant circuit tuned to frequencies above 8 megacycles, in which the core occupies substantially all of the space within the coil, said core having an effective permeability μ and loss coefficient β such that the product of μ and β is less than the ratio of the radio frequency resistance to the inductance of the coil with the iron core removed.

2,296,916
COMBINED WILD GRASS ROOT AND GRASS EXTRACTING TOOL AND HOE

Nathan Gamburg, Shreveport, La.

Application February 21, 1941, Serial No. 380,041
1 Claim. (Cl. 97—62)



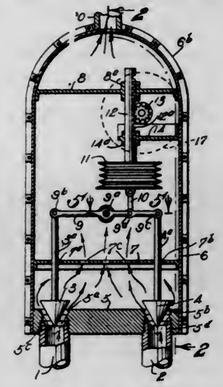
A wild grass root and grass extracting tool comprising a substantially flat head portion, a plurality of tines projecting in parallel relation from one edge of the head portion, said tines being round in cross-section and having a tapered pointed extremity and a plurality of teeth likewise projecting from said edge of the head portion and spaced between said tines, said teeth being of conical formation and extending in the plane of the tines with the ends of the teeth terminating short of the ends of the tines, the sides of the teeth converging with the sides of the tines toward their inner ends and gradually closing the space between adjacent pairs of the tines.

2,296,917
WATER TEMPERATURE REGULATING DEVICE

Gerva A. Garrett and Emil Garrett, Pacific Beach, Calif.

Application October 25, 1941, Serial No. 416,516
2 Claims. (Cl. 236—12)

1. In a water regulating device of the class described, the combination of a casing provided with a base member, hot and cold water inlets connected with said base member at opposite sides of said casing and communicating with the interior of said casing, a cone-shaped hot water valve in connection with one of said inlets, a cone-shaped cold water valve in connection with the other of said inlets, a horizontally disposed mixing plate in said casing above said valves pro-

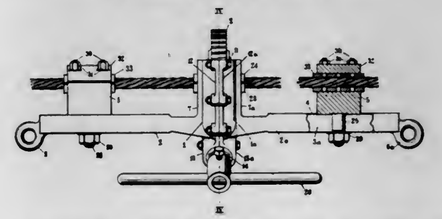


vided with a plurality of orifices through which the hot and cold water passes and is mixed thereby, a rocker arm pivotally mounted above said mixing plate, rods pivotally connected at the opposite ends of said rocker arm with said valve, means for pivotally supporting said rocker arm intermediate its end, and a thermostat pivotally connected with said rocker arm between one end of said rocker arm and its pivotal support.

2,296,918
APPARATUS FOR EXAMINING ROPES

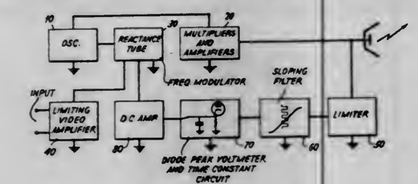
Albert Gibson, Doncaster, England, assignor to British Ropes Limited, Doncaster, England

Application January 27, 1941, Serial No. 376,241
In Great Britain January 30, 1940
3 Claims. (Cl. 57—1)



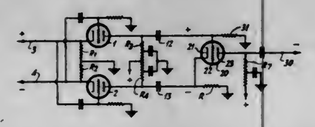
1. Apparatus for twisting a rope to open the lay thereof comprising, a worm gear, a casing embracing the worm gear, bearing surfaces carried by the casing, journals on said worm gear rotatably supporting the worm gear within the casing on said bearing surface, an integral extension carried by said casing, a spindle rotatably mounted in said extension, a worm within the extension meshing with the worm gear and secured to the spindle, means for rotating said spindle to turn said worm gear, rope clamping jaws mounted on the worm gear and in a radial aperture therein, a rigid arm carried by the casing, and non-rotatable clamping means detachably secured to said arm and spaced from said rope clamping jaws.

2,296,919
DIRECT-CURRENT INSERTION
Halian E. Goldstine, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 17, 1940, Serial No. 345,895
16 Claims. (Cl. 178—7.1)



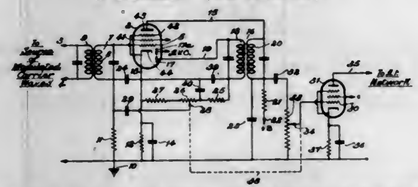
1. In a system for controlling the peak frequency swings of oscillations, modulated in frequency by video signals including synchronizing impulses, irrespective of changes in the average weight of said video signals, means comprising a circuit converting frequency changes to amplitude changes and a biased rectifier producing rectified current only in response to converted waves having excessive peak amplitudes, responsive to peak frequency swings which go beyond a selected frequency and means controlled by said last named means for changing the mean frequency of said oscillations as a function of the extent to which said peak swings go beyond said selected frequency to thereby maintain the peaks of the swings at about said selected frequency.

2,296,920
SIGNAL TRANSMISSION CIRCUIT
E. Dudley Goodale, Bayside, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 24, 1940, Serial No. 315,313
3 Claims. (Cl. 178—44)



1. In combination with a pair of electron discharge devices having input and output electrodes, an aperiodic wide band output circuit connecting the output electrodes in push-pull relationship, a pair of untuned high frequency wide band voltage transmission lines which are at opposite polarities with respect to a point of relatively fixed potential, means coupling each of said lines to one of the input electrodes of an associated one of said devices, additional means coupling each of said lines to the other of the input electrodes of each device in reversed relation with respect to said first coupling means, an impedance connected between said one input electrodes of said devices, means connecting substantially the midpoint of said impedance to said fixed potential point, an additional electron discharge device having at least a grid, cathode and anode, means impressing high frequency voltages of opposite polarity developed across said output circuit upon the grid and cathode respectively of said additional tube, and means for deriving from the anode circuit of said additional tube a voltage which is unbalanced with respect to said fixed potential point.

2,296,921
REFLEX AUDIO AMPLIFIER CONTROL
Alfred Leonard Green, Sydney, New South Wales, Australia, assignor to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia, a company of New South Wales, Australia
Application April 4, 1941, Serial No. 386,799
In Australia July 26, 1940
2 Claims. (Cl. 250—20)



1. In a radio receiver of the type specified a volume control arrangement comprising a first volume control means for manually varying the amplitude of audio frequency signal potentials applied to the input of a reflexed amplifier valve, means for preventing reduction to zero of said audio frequency potentials by operation of said first mentioned means, additional means electrically independent of said first volume control means for manually varying the audio frequency potentials applied to the input of an amplifier valve following said reflexed amplifier valve and said means for manually varying the amplitude of the audio frequency potentials impressed on the reflexed valve comprising a resistance forming part of the load resistance of a demodulating rectifier.

2,296,922
STRIP BRUSH
Charles J. Gross, Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 9, 1940, Serial No. 360,460
9 Claims. (Cl. 300—21)

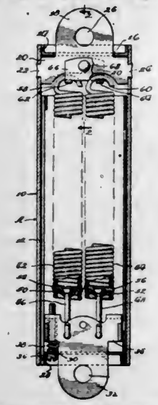


1. A strip brush adapted to be wound around a core to form a rotary brush, said strip brush comprising an elongated substantially U-shaped channel strip and groups of brush elements transverse to the length of said strip and held in said channel by teeth formed along the side margin of said strip and integral therewith, with the sides of the teeth extending transversely to said margin and extending across adjacent groups of bristles to grip them against the strip.

2,296,923
SCALE
Marius H. Hansen, Chicago, Ill., assignor to Hanson Scale Company, Chicago, Ill., a corporation of Illinois
Application March 28, 1940, Serial No. 326,304
4 Claims. (Cl. 265—63)

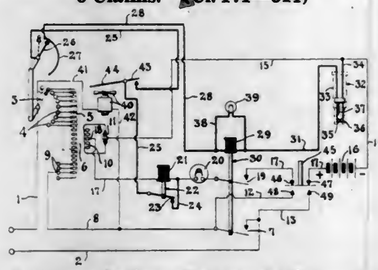
1. In a scale of the class described, the combination of a pair of relatively movable members, a U-shaped compensator, means pivotally connecting said compensator to one of said members,

said means having an axis passing through both sides of said compensator adjacent the free ends of said sides, said compensator having a bent portion cut away to provide a pair of spring supports, a pair of springs having hooks engaging



said supports, said supports being positioned to maintain said hooks in a plane perpendicular to the axis of said pivotal means, and means connecting the other ends of said springs with said other member.

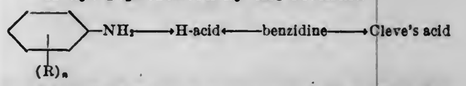
2,296,924
BATTERY CHARGER
Benjamin F. W. Heyer, Tenafly, and Clarence W. Dalzell, Bloomfield, N. J., assignors, by direct and mesne assignments, to Knickerbocker Development Corporation
Application April 1, 1941, Serial No. 386,240
3 Claims. (Cl. 171—314)



1. A storage battery charger which comprises a D. C. circuit into which the battery to be charged can be connected, a control circuit bridged across said D. C. circuit, a switch in said D. C. circuit between said battery and a point of connection of said control circuit with the D. C. circuit, said switch being normally open, an electro-magnet in said control circuit connected to said D. C. switch for closing said D. C. switch when current flows through said control circuit, a switch in said control circuit, said switch being normally closed, an electro-magnet in said D. C. circuit connected to said switch in said control circuit and adapted to open said switch when the current in said D. C. circuit exceeds a pre-determined value, and a thermo-mechanical switch in said control circuit which is normally closed, said thermo-mechanical switch being adapted to be located in heat-responsive relation to the electrolyte of a battery being charged by said D. C. circuit and adapted to open to break said control circuit when the temperature of the electrolyte exceeds a pre-determined degree thereby de-energizing the electro-magnet in said control circuit and permitting the switch in said D. C. circuit to open.

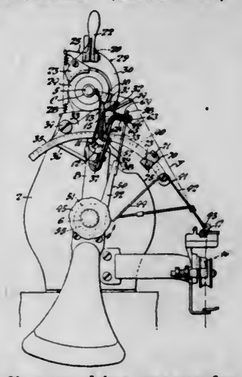
2,296,925
BLACK TRISAZO DYE
Emmet F. Hitch, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 17, 1940, Serial No. 370,477
5 Claims. (Cl. 260—171)

1. A dye represented by the formula



in which R is from a group consisting of hydrogen, alkyl having 1 to 6 carbons, the corresponding alkoxy groups, halogen, carboxy and sulfonic acid; and *n* is 1 to 3.

2,296,926
WINDING MACHINE
Harold Wood Hitchcock, Apponaug, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application November 28, 1941, Serial No. 420,880
19 Claims. (Cl. 242—39)

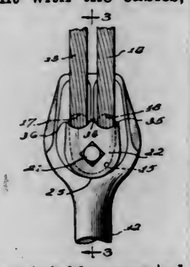


1. In a winding machine, means for winding a package, stopping means for arresting the winding operation, and a going member continuously actuated from the winding means and so constructed and arranged as to be movable by and with the growth of the package to engage the stopping means and operate the latter when the package reaches a predetermined diameter.

2,296,927
GUY ROD GROUNDING CLAMP
David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application May 24, 1941, Serial No. 394,989
11 Claims. (Cl. 24—135)

11. A guy rod clamping rod assembly comprising a guy rod having an eye formed with a pair of transverse grooves of circular cross-section for receiving a pair of cables, a bolt passing through said eye and engaging the side of the eye opposite to said grooves, a pair of clamping members, each of said clamping members having a pair of grooves for engaging the side of the cable opposite to said first-mentioned grooves, said

clamping members being slidably mounted on said bolt, and threaded means on the bolt for urging the clamping members toward each other and into engagement with the cables, the clamping



members being rotatably mounted on the bolt to exert substantially equal pressure on both cables and the bolt having a pivotal movement on the opposite side of the eye to apply equal pressure at each clamping member.

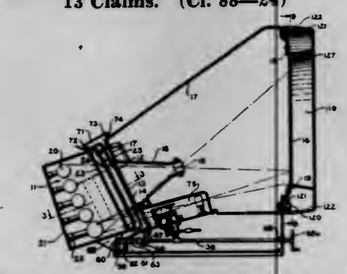
2,296,928

PROJECTING APPARATUS

Ambrosius Briechle, Brooklyn, Roy T. Hurley, Dobbs Ferry, N. Y., and George E. Merritt, Lusby, Md., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Original application September 9, 1938, Serial No. 229,096. Divided and this application February 26, 1940, Serial No. 320,758

13 Claims. (Cl. 88—24)



1. In a projecting unit, means for producing an image of a photograph, said means comprising a supporting member, a screen carried by said member, lens means fixed by said member relative to said screen, mechanism for fixing film in the focal plane of said lens, and illuminating means, said mechanism and illuminating means being pivotally mounted relative to said supporting member, and means for metering the film, said last-named means comprising a pair of film roll retaining members carried by said mechanism, a pair of film rolls carried by said film retaining members and driving means centrally engaging said film rolls in one extreme pivotal position of said mechanism and disengaged from said film rolls in the other extreme pivotal position of said mechanism.

2,296,929

VARIABLE SPEED MECHANISM

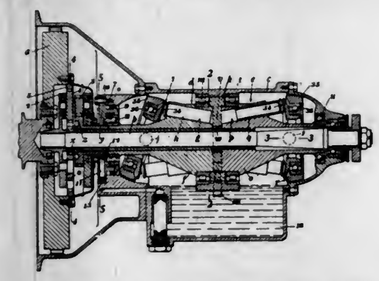
Richard Joseph Ifield, Elmdon, Heath, Solihull, England, assignor to Joseph Lucas Limited, Birmingham, England

Application July 24, 1941, Serial No. 403,926

In Great Britain August 13, 1940

7 Claims. (Cl. 74—293)

1. A variable-speed mechanism having in combination an epicyclic gearing, a pair of complementary pumps each comprising a rotary body part provided with a plurality of bores, and reciprocatory plungers in the bores, a ported non-rotatable abutment situated between and in contact with adjacent end faces of the pump body parts, the said body parts being rotatable rela-



tively to and arranged coaxially with each other, and angularly adjustable swash plates co-operating with the outer ends of the plungers for varying the strokes of the latter, one of the pumps being associated with one part of the epicyclic gearing and the other pump with another part of the gearing.

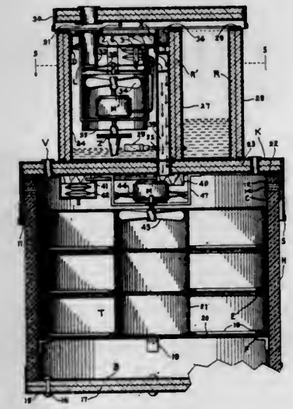
2,296,930

INCUBATOR

Donald F. Ihler, Spokane, Wash.

Application January 8, 1940, Serial No. 312,937

14 Claims. (Cl. 119—37)



12. An incubator comprising an incubation chamber having an air outlet, means to maintain the air in said incubation chamber at a constant temperature, a humidifier communicating with said incubation chamber and having an air inlet open to atmosphere, means to provide a flow of air first through said humidifier and then through said incubation chamber, means to maintain a constantly uniform spray of free moisture within said humidifier, means to produce repeated recirculations of the air and free moisture during the air flow through said humidifier, and means to repeatedly reheat the circulating moisture and air to a predetermined constant temperature during the recirculations within said humidifier.

2,296,931

MANUFACTURE OF SANITARY NAPKINS AND THE LIKE

Curt G. Joa, Sheboygan Falls, Wis., assignor to Curt G. Joa, Inc., Sheboygan Falls, Wis., a corporation of Wisconsin

Application October 30, 1937, Serial No. 171,861

22 Claims. (Cl. 154—29)



1. In a sanitary napkin machine, the combination with means providing a plurality of sanitary napkin assembly mechanisms, of a pad material feeder, a single pad cutter having means for the operation thereof at a rate sufficient to supply all of said lines, and a distributing conveyor leading from said cutter to the several mechanisms for distributing successive pads thereto.

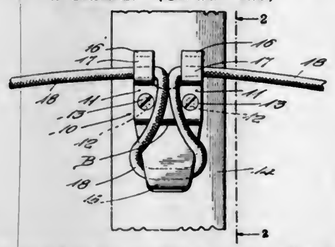
2,296,932

CLOTHESLINE FASTENER

Emil L. Johannsen, Dubuque, Iowa

Application August 30, 1941, Serial No. 409,073

2 Claims. (Cl. 24—129)



2. The combination with a support of a clothesline fastener including a base portion adapted to be secured to said support, spaced U-shaped loops formed integral with and extending forwardly and upwardly from the base portion, said loops having free ends directed towards and spaced from said support, perforated ears extending downwardly from the base portion in alignment with said loops, and a tongue depending from the base portion in overlapping relation to the space between the ears.

2,296,933

WATER-DISPERSIBLE LECITHIN

Stroud Jordan, Brooklyn, N. Y.

No Drawing. Application August 25, 1939, Serial No. 291,897

5 Claims. (Cl. 252—316)

1. A water-dispersible lecithin comprising commercial lecithin free of oil or fatty material dissolved in an alkyl ether of diethylene glycol.

2,296,934

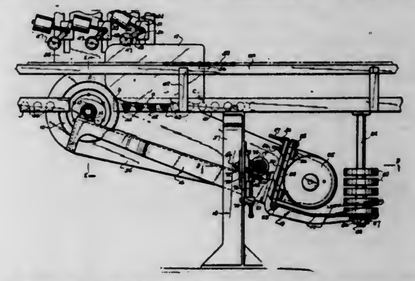
EDGING MACHINE

Peter J. Kirkman, Ottawa, Ill., and Conrad B. Schafer, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application November 15, 1939, Serial No. 304,538

7 Claims. (Cl. 51—74)

1. In apparatus for grinding the edges of sheets or plates of glass and the like, means for supporting a sheet on edge in a vertical position and for carrying the same forwardly in a generally horizontal direction, a grinding wheel over which said sheet is adapted to pass and which serves to grind the lower edge thereof, means for pivotally mounting said grinding wheel so that it is free to follow the contour of the lower edge of the sheet, means urging said grinding wheel upwardly and normally maintaining it in the path



of travel of the forward edge of said sheet, said grinding wheel being forced downwardly by the sheet as said sheet passes thereover, and pressure means including a plurality of weights which are successively applied to the means for pivotally mounting the grinding wheel upon downward movement of said grinding wheel to urge it upwardly into engagement with the lower edge of the sheet.

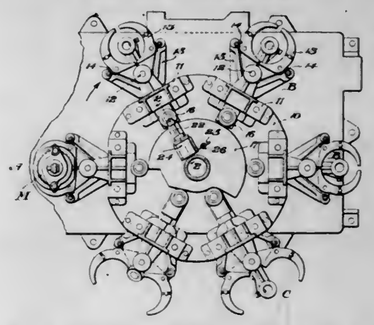
2,296,935

GLASSWARE FORMING MACHINE

George B. Langer, Anderson, Ind., assignor to Lynch Corporation, Anderson, Ind., a corporation of Indiana

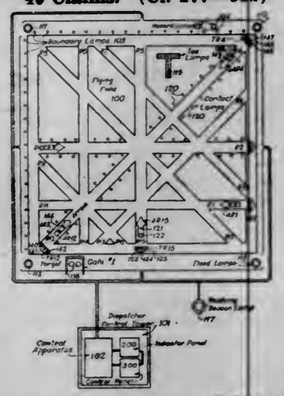
Application February 21, 1940, Serial No. 320,190

9 Claims. (Cl. 49—41)



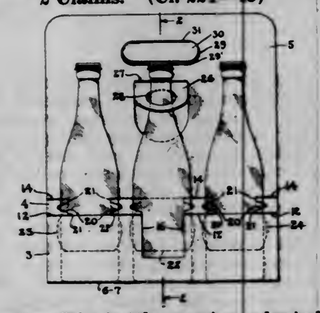
3. In a glassware forming machine, a mold carrier, means for moving said carrier, a plurality of sectional openable molds hingedly mounted on said carrier, a roller carrying linkage connected to said molds for opening and closing them, a stationary cam coacting with said roller for holding said molds closed during a region of mold travel of said carrier, a recess in said cam at a selected position in said region of normally closed mold travel, a closure member for said cam recess having a part positioned therein and normally constituting a continuation of the cam face, means permitting manual retraction of said part in said recess to permit the linkage roller to be disposed therein and the molds opened at said selected position, and means for preventing operation of said mold moving means when said part is retracted in said recess.

2,296,936
AIRPORT LIGHTING AND TRAFFIC CONTROL SYSTEM
Thomas A. Logan and Imre Molnar, Chicago, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 16, 1939, Serial No. 295,344
40 Claims. (Cl. 177—352)



23. An airport comprising a flying field having an airplane runway thereon which is adapted for both landing and take-off purposes, a group of traffic signals associated with said runway, said group including a first signal visible to an airplane pilot aloft and a second signal visible to an airplane pilot on said flying field, each of said signals being adapted to display clear and danger indications, one of said signals being adapted to display a third indication, circuits for controlling said signals, means for selectively and substantially simultaneously controlling said circuits so that said first and second signals respectively and concurrently display clear and danger indications or danger and clear indications, and additional means for controlling the circuits of said one signal so that said one signal displays said third indication.

2,296,937
COLLAPSIBLE CARRIER AND DISPLAY CARTON FOR BOTTLES
Joseph L. Lyons, Jr., Chicago, Ill., assignor to Lyne Co., Chicago, Ill., a corporation of Illinois
Application May 17, 1939, Serial No. 274,089
2 Claims. (Cl. 224—45)



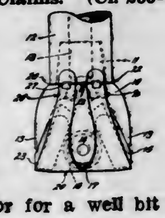
1. A collapsible bottle carrier adapted to be formed into an erected condition so as to accommodate two rows of bottles therein and having a bottom, two lower side wall sections, two intermediate side wall sections and a handle section, said lower side wall sections being hingedly connected to said bottom, said intermediate side wall sections being hingedly connected at their lower edges to the lower side wall sections and at their upper edges to the handle section so that when said carrier is in its erected condition said intermediate side walls will be disposed in a plane substantially at right angles to said lower side wall sections and to the handle section, said intermediate side wall sections having bottle receiving openings formed therein, said lower side wall sections having cut out portions therein for exposing the lower body portion of the center bottles of each row of bottles when they are in position in the carrier, said handle section having means formed by cut out portions thereof for engaging the necks of the center bottle of each row of bottles and also having a finger gripping opening formed therein.

2,296,938
WELDING ROD AND METHOD OF MANUFACTURING WELDING RODS
Arthur R. Lytle, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application November 20, 1940, Serial No. 366,379
6 Claims. (Cl. 219—8)

1. In the process of manufacturing steel welding rods which comprises the steps of preparing a bath of molten steel of substantially the desired composition; deoxidizing the molten bath; and casting the deoxidized steel, the method of imparting to the rods the characteristic of forming weld-deposits of enhanced uniformity of physical properties throughout which comprises adding to the molten steel during said deoxidizing step a small amount of an agent containing 25% to 65% silicon; at least one element selected from the group consisting of titanium, zirconium and vanadium in an aggregate percentage between 3% and 30%; and at least one element selected from the group consisting of aluminum and calcium in an aggregate percentage between 1% and 20%; the remainder principally iron.

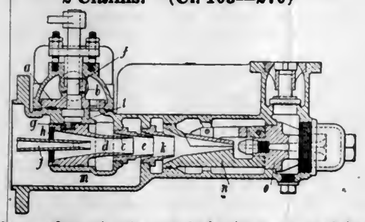
6. A steel welding rod composed of a steel in the condition produced by the addition thereto while said steel is in the molten state, of a small amount, insufficient to change radically the composition of said steel, of an alloy containing 25% to 65% silicon; 3% to 30% of at least one element selected from the group consisting of titanium, zirconium and vanadium; and 1% to 20% of at least one element selected from the group consisting of aluminum and calcium; the remainder principally iron; said condition insuring a high degree of uniformity of hardness and strength in weld-deposits of such welding rods.

2,296,939
WELL BIT PROTECTOR
Thomas E. McMahan, Long Beach, Calif.
Application May 5, 1941, Serial No. 391,848
11 Claims. (Cl. 255—1)



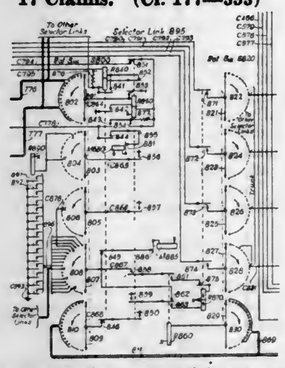
1. A protector for a well bit having toothed cutters, the protector comprising a flexible drillable body for covering the cutters, and means for securing the body to the bit.

2,296,940
EXHAUST STEAM INJECTOR
Richard David Metcalfe and James Croxon Metcalfe, Romiley, England, assignors to Davies & Metcalfe Limited, Romiley, England, a British company
Application March 13, 1941, Serial No. 383,216
In Great Britain March 21, 1940
2 Claims. (Cl. 103—270)



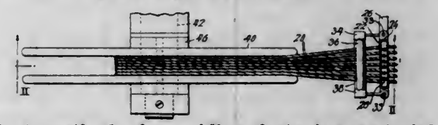
1. An exhaust steam injector comprising, in combination, a casing, an exhaust steam inlet nozzle, a live steam inlet nozzle at the inlet to said exhaust steam nozzle, a water cone at the outlet side of said exhaust steam nozzle, a combining nozzle, a delivery nozzle, a spindle moving said exhaust steam nozzle axially relatively to said water cone, a water inlet in said casing to pass water to the annular space between the exhaust steam nozzle and the water cone, and a valve upon and moved by said spindle to control the aforesaid inlet and thereby the supply of water to the injector simultaneously with the control of said space.

2,296,941
ELECTRIC CONTROL SYSTEM
Imre Molnar, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 16, 1939, Serial No. 295,345
17 Claims. (Cl. 177—353)



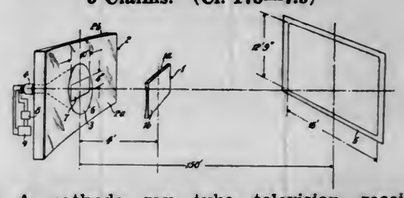
10. A control system comprising a plurality of trunks, some of said trunks having one digit designations and other of said trunks having two digit designations, an automatic switch having settings individually corresponding to said trunks, a numerical switch, means for transmitting different digits to said numerical switch, said numerical switch including means responsive to the digits 1 or 2 respectively to mark for selection the trunks designated 1 or 2 and responsive to the digit 1 followed by the digits 1 or 2 respectively to mark for selection the trunks designated 11 or 12, and means for causing said automatic switch to operate to the setting corresponding to any one of said trunks marked for selection.

2,296,942
METHOD OF PROVIDING FASTENING MATERIAL
William H. Nutt, Beverly, and Arthur L. Russell, Boston, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 18, 1940, Serial No. 366,046
6 Claims. (Cl. 1—27)



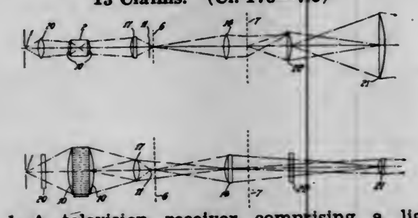
1. A method of providing fastening material for use as driven fastenings simultaneously at different operating positions which consists in providing a plurality of separate strands of fastening material composed of twisted paper coated with hardened glue, arranging said strands in parallel relation with their opposite sides only engaging each other, uniting said strands in such position by softening the glue on said opposite sides to form a substantially flat ribbon while preventing the glue on the other portions of said strands from becoming soft or tacky, and winding said ribbon into a coil the individual windings of which lie in direct contact with each other without sticking together because the glue on such portions of the strands is not tacky, thereby permitting the strands to be readily drawn from the coil as needed for use as driven fastenings at said operating positions.

2,296,943
OPTICAL SYSTEM FOR TELEVISION RECEIVERS
Ferenc Okolicsanyi, Kensington, London, England
Application April 29, 1940, Serial No. 332,379
In Great Britain May 1, 1939
5 Claims. (Cl. 178—7.5)



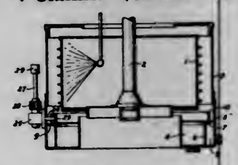
1. A cathode ray tube television receiver adapted to produce on the image screen of the cathode ray tube a picture having its dimension contracted in the frame scanning direction, and an optical projection system comprising a first cylindrical mirror having power in the frame scanning direction and facing said image screen, a second cylindrical mirror surrounding said image screen and having power in the line scanning direction and adapted to receive light from said first screen and to project it on to a projection screen, said system having such a greater magnifying power in the frame scanning direction than in the line scanning direction that in the final projected picture the frame dimension is restored to its correct magnitude.

2,296,944
TELEVISION RECEIVER
Ferenc Okolicsanyi, Kensington, London, England
Application June 24, 1940, Serial No. 342,183
In Great Britain July 3, 1939
13 Claims. (Cl. 178—7.6)



1. A television receiver comprising a light source, a supersonic wave light modulating device, a high speed scanner and a slow speed scanner, a line length optical system for forming, in conjunction with said high speed scanner, an immobilised intermediate image of the waves in said light modulating device, and an astigmatic optical projection system for forming a final image of said intermediate image.

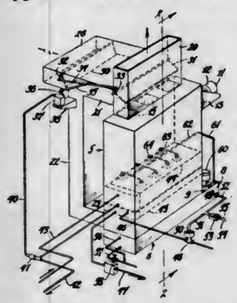
2,296,945
CENTRIFUGAL CURB LIQUID SEPARATION
Charles A. Olcott, West Milford, N. J.
Application August 3, 1940, Serial No. 350,439
7 Claims. (Cl. 210—75)



1. A centrifugal machine comprising a rotatable basket, a casing enclosing said basket and comprising a curb, inner and outer concentric channels within said casing and below said curb having respective top openings for receiving curb fluids, a flange at the top of said outer channel restricting the width of its said top opening, an integral metallic classifier mounted on said flange, said classifier being elastically adjustable to alternative operating radii the larger of which is such that said classifier closes the said top opening of said outer channel and the smaller of which is such that said classifier exposes said opening, and an actuator controlling the operating radius of said classifier.

2,296,946
APPARATUS FOR MAINTAINING THE DESIRED TEMPERATURE OF LIQUIDS
Martin H. Olstad, Bayside, and Allan E. Williams, White Plains, N. Y., assignors to Niagara Blower Company, New York, N. Y., a corporation of New York
Application November 17, 1941, Serial No. 419,412
2 Claims. (Cl. 257—2)

2. A heat exchange device for cooling a stream of liquid, comprising means forming a chamber having an air inlet and an air outlet, a fan arranged to force a stream of air from said inlet, through said chamber and out through said outlet, a cooling coil arranged in the stream of air passing through said chamber, means for discharging and distributing water over said cooling coil to wet the exterior of said cooling coil and to evaporate and absorb heat therefrom, means for continuously conducting the said stream of liquid to be cooled through said cooling coil, means for conducting outside air to said air inlet, bypass means for conducting a part



of the stream of air leaving said chamber back to said air inlet and thermostat means responsive to the temperature of said stream of liquid and adjusting the amount of air so conducted back by said bypass means to maintain a minimum surface temperature of said cooling coil.

2,296,947
EXPANSIBLE CARTRIDGE
Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application February 5, 1940, Serial No. 317,349
2 Claims. (Cl. 262—12)



1. An expansible cartridge comprising a tubular braid formed of elongated metallic elements crossing over and under each other diagonally around the braid and adapted to expand radially, an inflatable tube in said braid, means for conducting fluid under pressure into the tube to expand it, means closing the ends of the braid whereby its expansion is limited to the portion between the ends, and elongated reinforcing elements imbedded in the walls of the tube and lying substantially parallel to each other in layers and extending substantially axially thereof throughout the portion thereof from said end closing means to an expanded part of the tube to reinforce the tube against pressing out between said metallic elements when the tube is expanded.

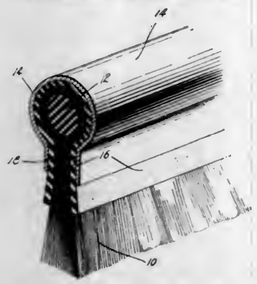
2,296,948
PLASTICS MANUFACTURE
Earle C. Pitman, Lincroft, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 16, 1937, Serial No. 180,134
8 Claims. (Cl. 18—48)

1. A process for the manufacture of organic plastic sheets which comprises mixing cork granules with an organic binder in the absence of conducting particles, compressing the mass into a sheet, passing the said sheet through a high-frequency electrical field until the binder becomes soft and sticky and the cork granules are bound together, and thereafter cooling the same,

said high frequency being of the order of 100,000 cycles to 100 megacycles per second.

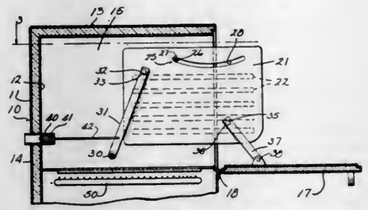
2. In the process of manufacturing cork inserts for bottle caps and the like, the improvement which comprises mixing cork granules and a substantially non-conducting organic heat convertible thermoplastic adhesive until the said cork is uniformly coated therewith, compressing the mixture into a non-conducting tube and thereafter heating the mixture in the tube by subjecting it to an electrical field having a frequency between about 100,000 cycles and 100 megacycles per second until the said adhesive becomes soft and sticky and is converted and the cork granules are cemented together and thereupon discontinuing the heating.

2,296,949
BRUSH STRUCTURE
Clifford Roberts, Winchester, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 25, 1940, Serial No. 347,435
4 Claims. (Cl. 15—205)



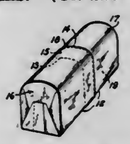
1. A brush structure including a channel strip of sheet metal, bristles gripped within and projecting from said channel, and a layer of soft, resilient plastic material interposed between the sides of the channel and the bristles and protecting the bristles from wear against the inner corners of said channel strip.

2,296,950
OVEN CABINET, SHELF, AND DOOR
George C. Roedl, Beaver Dam, Wis.
Application June 9, 1941, Serial No. 397,268
6 Claims. (Cl. 312—174)



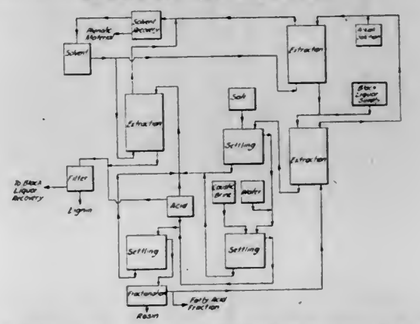
5. In a device of the character described, a vertical plate-like shelf supporting structure and a housing therefor including a door, linkage to support one end of the structure for swaying movement into and outwardly of the housing and a roller and way to support the other end of the structure, the contour of the way being curved to conform to the path of movement of the link supported end of the structure whereby a shelf supported by the plate-like supporting structure is maintained in horizontal position.

2,296,951
COMMODITY WRAPPER
Shy Rosen, and Martin Rosen, Flushing, N. Y., assignors to Milprint, Inc., Milwaukee, Wis., a corporation of Delaware
Application November 6, 1939, Serial No. 303,108
5 Claims. (Cl. 229—87)



1. A sliced bread loaf wrapper comprising, a unitary wrapper sheet folded at a plane of slicing of the loaf and having two overlapping portions both extending laterally away from said plane, said portions being formed to provide complete reclosing stock for both sections when the loaf is separated into parts at said plane.

2,296,952
CHEMICAL TREATMENT OF BLACK LIQUOR AND TALL OIL
John Ross and Joseph Henry Percy, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application December 30, 1939, Serial No. 311,822
12 Claims. (Cl. 260—97.5)



1. The process of recovering by-products of black liquor which comprises partially acidifying and extracting the black liquor with tall oil to obtain a tall oil extract and an improved black liquor raffinate, and salting out the tall oil soaps from the black liquor raffinate in the presence of excess caustic alkali under non-oxidizing conditions.

2,296,953
APPARATUS FOR FEEDING AND CONTROLLING THE FLOW OF MATERIALS FROM HOPPERS, CHUTES, AND THE LIKE
William Ross, London, England
Application August 2, 1940, Serial No. 350,018
In Great Britain August 23, 1939
3 Claims. (Cl. 221—128)

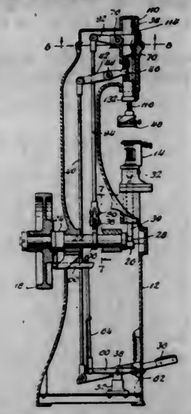
1. An apparatus for controlling the flow of granular, pulverulent or the like material in chutes comprising a rotatable member placed above the chute, an endless flexible chain member engaging said rotatable member and suspended therefrom so as to be engageable with the material delivered to the chute, the said chain member including a plurality of endless chains composed of interconnected open links arranged in longitudinal and transverse parallel

rows, certain links in alternate transverse rows being joined back to back to form a unit, and said units being also alternately disposed with respect to each other to effectively couple the



chains together, the outer links of alternate transverse rows having their outer open sides located at the marginal edges of the chain member.

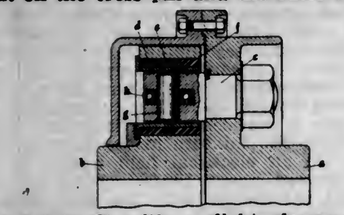
2,296,954
HEEL-NAILING MACHINE
Hans Peter Schneider, Ridgewood, N. Y., assignor to Herman Schwabe, Inc., New York, N. Y., a corporation of New York
Application January 26, 1942, Serial No. 428,197
18 Claims. (Cl. 1—31)



1. A pressure plunger locking mechanism for a heel-nailing machine, said mechanism comprising a cylindrical plunger a mating split ring closely surrounding said plunger, means to prevent axial movement of the ring, and mechanical control means for contracting said ring to lock the plunger, or for expanding said ring to release the plunger.

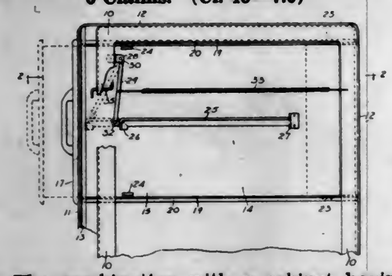
2,296,955
FLEXIBLE COUPLING
Thomas Yeo Sherwell and Reginald Pennington, Newton Heath, Manchester, England, assignors to Mather & Platt Limited, Newton Heath, Manchester, England, a British company
Application October 17, 1940, Serial No. 361,630
In Great Britain November 3, 1939
2 Claims. (Cl. 64—23)

1. A flexible shaft coupling for transmitting rotary motion and permitting free axial movement of the shaft sections, of the type in which driving pins extending parallel to the shaft from one coupling member enter resiliently bushed sockets in the other coupling member, having a cross pin mounted in each driving pin, and an anti-friction bearing having an inner and an outer race, mounted on each cross pin in a recess formed in the driving pin, the inner race being a fit on the cross pin and the outer race being



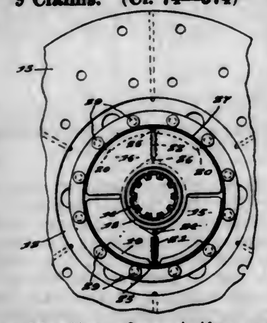
adapted to fit with a slight clearance in the socket which receives the driving pin.

2,296,956
STOVE DRAWER
William H. Sickinger, South Bend, Ind., assignor to The Malleable Steel Range Manufacturing Company, South Bend, Ind., a corporation of Indiana
Application July 22, 1939, Serial No. 285,876
6 Claims. (Cl. 45—7.6)



6. The combination with a cabinet having a drawer slidable therein, a spring pressed arm pivoted to said cabinet, a longitudinal member on said drawer normally engaged by said arm, said arm pressing against the end of said member as said drawer approaches closed position and a retainer engageable with said arm to hold said arm in stationary position clear of said member, said arm normally extending transversely of said drawer.

2,296,957
CLUTCH AND VIBRATION BALANCER
Charles B. Spase, Nedrow, N. Y., assignor to W. C. Lipe, Inc., Syracuse, N. Y., a corporation of New York
Application August 10, 1939, Serial No. 289,440
9 Claims. (Cl. 74—574)



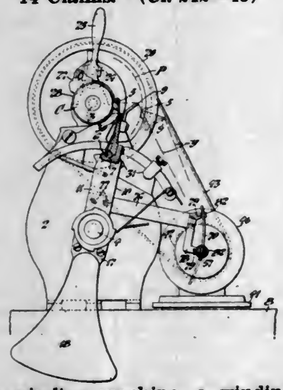
1. The combination of a rotating member and a vibration balancer therefor including oppositely-disposed inert parts rotatably mounted on

said member concentrically therewith to shift about the axis of said member, said parts being frictionally engaged with said member independently of each other to have a slipping action, and spring means connecting one of said parts to the other, said spring means extending radially and connected at one end to the outer portion of one part and its other end to the central portion of the other part.

2,296,958
PRODUCTION OF UNSATURATED ALIPHATIC ALDEHYDES
Herbert Muggleton Stanley, Tadworth, and Gregoire Minkoff, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application April 1, 1941, Serial No. 386,374. In Great Britain April 9, 1940
13 Claims. (Cl. 260—601)

1. A process for the conversion of saturated aliphatic aldehydes into unsaturated aliphatic aldehydes having a greater number of carbon atoms in the molecule which comprises heating a saturated aliphatic aldehyde with water to a temperature between 100° and 250° C. under a pressure sufficient to maintain liquid phase conditions.

2,296,959
WINDING MACHINE
Ernest R. Swanson, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application January 10, 1941, Serial No. 374,002
14 Claims. (Cl. 242—45)



1. In a winding machine, a winding-spindle, means for rotating the spindle to wind yarn thereon to form a package, means actuated intermittently by the spindle-rotating means throughout the winding operation for controlling the speed of the spindle-rotating means, and means responsive to the growth in diameter of the package being wound for varying the period of operation of the intermittently-operated means to gradually reduce the rotative speed of the spindle whereby to maintain the linear speed of the winding yarn substantially constant.

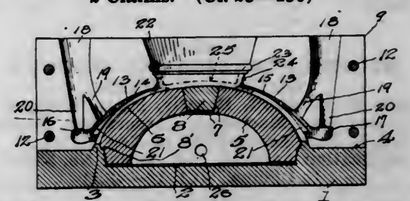
2,296,960
PACKAGE OF HOOKS
Christopher Tate, Malden, Mass., assignor to E. H. Tate Company, Boston, Mass., a corporation of Massachusetts
Application February 28, 1940, Serial No. 321,231
3 Claims. (Cl. 206—79)

1. A sales and display package of hooks having straight shanks and curved hook portions, comprising a card folded on itself to form a front flap and a rear flap extending up from the line of fold, and a plurality of hooks removably mounted on said card, the shanks of said hooks



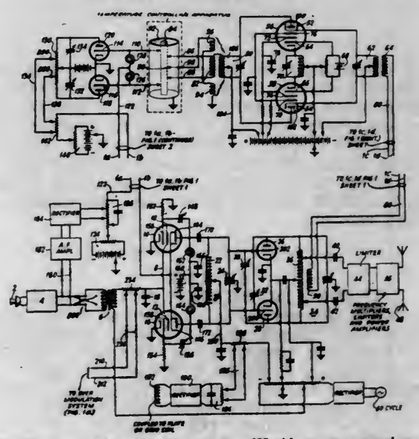
projecting through the card at the line of fold, the curved portions of said hooks projecting through the rear flap near the fold and forwardly through both flaps at points remote from the fold.

2,296,961
CERAMIC PROCESS
Joseph R. Thompson, East Liverpool, Ohio, assignor to The Hall China Company, East Liverpool, Ohio, a corporation of Ohio
Application October 2, 1940, Serial No. 359,426
2 Claims. (Cl. 25—156)



1. The uninterrupted slip-casting method of forming an inverted bowl having integral exterior handles and an exterior integral hollow supporting base, which consists in forming the bowl and handles in the matrix of a closed stationary mold having an open central mold-cavity forming an upper extension of the matrix, then rotating the mold and slip-casting the bowl-base by centrifugal force in the mold cavity.

2,296,962
FREQUENCY MODULATION
Harry Tunick, Rye, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 22, 1939, Serial No. 310,495
20 Claims. (Cl. 250—6)



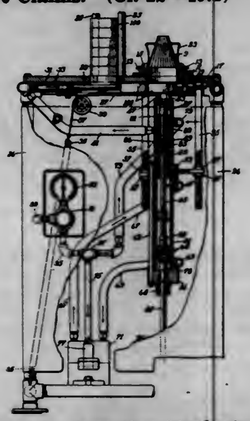
1. In combination, an oscillation generator, a

source of signals, means for angular velocity modulating oscillations from said generator with signal waves from said source, means automatically frequency controlling said oscillation generator to correct for departures from its mean assigned frequency, and means, responsive to signals to be transmitted, for disabling or rendering inoperative said automatic frequency correcting means.

2,296,963
LEAD PIGMENT
Forrest L. Turbett and George J. Vahrenkamp, Joplin, Mo., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application August 30, 1939, Serial No. 292,679
8 Claims. (Cl. 106—297)

1. A pigment compound comprising lead oxide, silicon dioxide, titanium dioxide and water, formed by first reacting fused anhydrous lead silicate with water and then reacting the hydrated lead silicate thus formed with titanium dioxide.

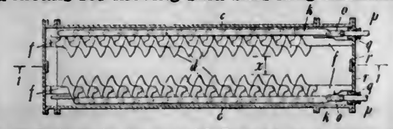
2,296,964
MACHINE FOR INSERTING BLOCKS IN HOLLOW ARTICLES
Alexis E. Ushakoff, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 21, 1941, Serial No. 389,571
10 Claims. (Cl. 12—49.1)



1. A machine for inserting blocks in the open ends of hollow articles said machine having in combination, a guiding member, a plunger for forcing blocks through the guiding member into the hollow article, a magazine for a stack of blocks, means for feeding blocks into the path of movement of the plunger, and means for operating the block-feeding means and the plunger in timed relation.

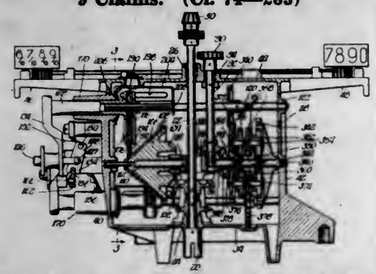
2,296,965
RETORT DISCHARGE MECHANISM
Frederick Joseph West and Ernest West, Miles Platting, Manchester, England, assignors to West's Gas Improvement Company Limited, Manchester, England, a British company
Application August 30, 1941, Serial No. 409,083
In Great Britain September 14, 1940
2 Claims. (Cl. 214—35)

1. Means for supporting the charge in a vertical retort for the carbonisation of coal and the like, comprising, in combination, rails extending along two opposite sides of and supported beneath the retort, a series of hook like fingers fulcrumed in said rails on vertical fulcra, bars extending parallel with the rails and pivotally connected with the fingers fulcrumed in said rails, and means for moving said bars longitudinally in



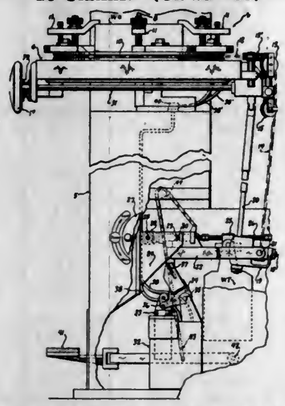
one direction to turn said fingers and cause their leading pointed ends to penetrate for a short distance only into the coke mass at the base of the retort in which they become keyed and so hold up and support the charge in the retort and in an opposite direction to withdraw the fingers clear of the coke mass to permit coke to drop from the retort.

2,296,966
REGISTERING AND COMPUTING MECHANISM
Otto Wild, Jr., Hartford, Conn., assignor, by mesne assignments to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland
Application February 1, 1941, Serial No. 376,967
9 Claims. (Cl. 74—283)



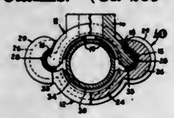
1. In variating mechanism, the combination of a housing, a vertically disposed drive shaft journalled in said housing, a horizontally disposed drive gear shaft disposed in said housing, rotatable drive gears mounted on said drive gear shaft, a connection between said drive gears and said drive shaft whereby said drive shaft drives said drive gears, supplemental shafts journalled in said housing and disposed so that the axes of said supplemental shafts are parallel to the axis of rotation of said drive gears, a gear shifting lever slidably mounted on each of said supplemental shafts, a gear non-rotatably and slidably mounted on each of said supplemental shafts and movable with said gear shifting lever, a shifting gear meshing with said slidable gear and rotatably mounted on each of said levers, said shifting gears being adapted to be moved to selectively engage said drive gears, a connection to each of said levers extending through one side of said casing and provided with an operating lever, a quadrant on said casing adjacent each operating lever, each of said quadrants having a step corresponding to the drive gear to be selected by the shifting gear of the respective levers, a track on each quadrant, means on each operating lever resiliently engaging said respective track to urge said operating lever to selected position whereby the respective shifting gears are urged to full engaged position with the selected drive gears, a horizontally disposed differential shaft disposed in said housing, differentially arranged gears disposed on said differential shaft and adapted to be driven by said supplemental shafts, and a vertically disposed driven shaft operatively connected to said differentially arranged gears.

2,296,967
CONTOUR SAWING MACHINE
James W. Wilkie, Minneapolis, Minn., assignor to Continental Machines, Inc., Minneapolis, Minn., a corporation of Minnesota
Application October 21, 1940, Serial No. 362,040
16 Claims. (Cl. 29—68)



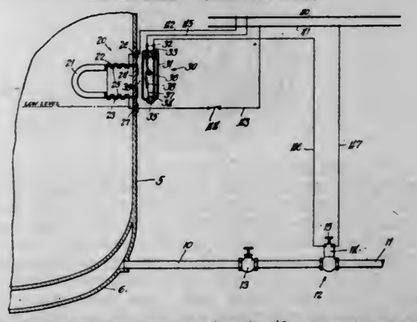
1. In a machine having a work table and a tool operating in a path intersecting the table top: a work holding device freely slidable across the table top; a weight; means connecting the weight with said work holding device so that the weight tends to move the device across the table in a direction to bring work carried by the device against the tool; and mechanism operatively associated with said connecting means for imparting turning movement to the device through said connecting means to guide the work into proper engagement with the tool.

2,296,968
UTILITY SERVICE CLAMP
Herman Wirz, Jr., Los Angeles, Calif., assignor to Wm. S. Corey, Tujunga, Calif.
Application February 24, 1941, Serial No. 380,159
3 Claims. (Cl. 285—106)



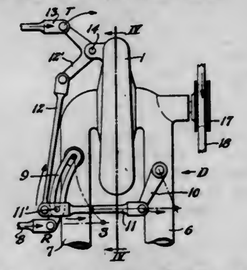
1. In a utility service clamp, a pair of interengaging clamping members, one of the clamping members including an arcuate body having a semi-cylindrical recess therein and having peripheral outwardly directed cylindrical beads along the edges of the recess parallel to the axis of the recess, the other clamping member being complemental to the first clamping member and having a semi-cylindrical recess therein, said other clamping member having an outwardly directed peripheral lug extending along each edge thereof parallel to the axis of said recess, each of said lugs having a longitudinal groove therein receiving the beads of said one clamping member, said grooves being larger than the beads to provide an arcuate lead receiving space, each of said beads having a channel, a gasket in each channel, there being a lead receiving groove between the upper edge of the other member lug and the adjacent wall of the first member.

2,296,969
LIQUID RESPONSIVE SYSTEM
Robert A. Wittmann, Chicago, Ill., assignor to Chicago By-Products Corporation, a corporation of Illinois
Application July 18, 1938, Serial No. 219,935
14 Claims. (Cl. 200—88)



1. In a system responsive to the presence and absence of liquid independently of the temperature of the liquid, in combination, a responsive element of Curie point metal, means independent of said liquid for heating said responsive element above its Curie point to render the element nonmagnetic, a container for liquid associated with said element and adapted to bring liquid into thermal contact therewith, thermal contact of liquid in said container with the element serving to dissipate the heat of said heater and to cool the element below its Curie point whereby it becomes magnetic, a source of flux interacting with said responsive element, and means external to the container controlled by interaction of said responsive element and said source of flux.

2,296,970
FLUID MIXER
George Henry Wolfe, Brooklyn, N. Y.
Application March 26, 1940, Serial No. 325,955
In Italy March 27, 1939
2 Claims. (Cl. 48—180)



1. A centrifugal mixer for fluids comprising a centrifugal rotor, conduits for supplying the fluid components to the rotor, valves controlling the said conduits, means for controlling one of said valves, said means comprising a slotted link, means for controlling the other of said valves, said means comprising a link adjustable in the slot of the first link, and means for adjusting the

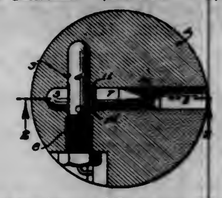
position of said second link to vary the proportional openings of the two valves without effecting operation of the first link.

2,296,971

BULLET RETAINER FOR GUN PERFORATORS

Arthur J. Zschokke, Huntington Park, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware

Application February 14, 1941, Serial No. 378,891
8 Claims. (Cl. 164—0.5)



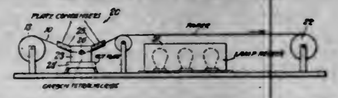
1. The combination with a gun perforator having a gun bore in which is formed a counterbore, and a gun perforator bullet, of a retainer comprising: a cup-shaped disk secured to the base end of said bullet, and having an integral annular skirt, said skirt having initially a diameter equal to the bullet whereby the bullet may be inserted through said gun bore and said skirt adapted to be deformed radially into said counterbore to secure said bullet in the gun bore.

2,296,972

COATED CHART PAPER AND METHOD OF MAKING SAME

Earl C. Alkire and Emil F. Blase, Springfield, Ill., assignors to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois

Application April 22, 1940, Serial No. 330,880
11 Claims. (Cl. 117—21)



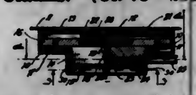
2. In the method of making coated chart paper the steps which comprise: passing a sheet of paper through melted carnauba wax to apply a coating of wax thereto, treating the wax coating with a carbon tetrachloride solvent, evaporating the solvent from the wax coated sheet to dry and crystallize the wax surface, polishing the wax coating, passing the sheet through a liquid dispersion of a finely divided pigment, and drying said sheet to remove the dispersion medium and leave a finely divided pigment coating on the polished wax coating.

2,296,973

ANEMOMETER

Eugene M. Ardelt, Denver, Colo.

Application January 13, 1941, Serial No. 374,169
3 Claims. (Cl. 73—228)



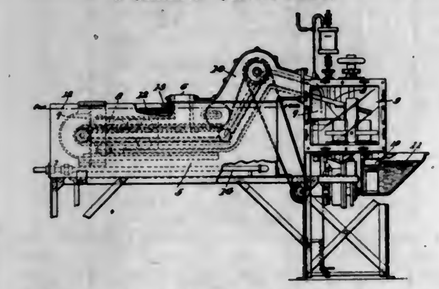
1. An anemometer comprising: a circular pressure chamber; an axially positioned shaft in said chamber; indicating means operable by said shaft; a vane projecting from said shaft and acting as a partition in said chamber; means for introducing a fluid under pressure on one side of said vane; a plurality of slots formed through the wall of said chamber, said slots being inclined away from the radii of said chamber so that their effective lengths will increase as said vane moves away from the introducing means; and individual valving means for individually adjusting the lengths of said slots.

2,296,974

METHOD OF STERILIZING CONTAINERS

George D. Beal, Pittsburgh, Pa., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application May 13, 1940, Serial No. 334,929
3 Claims. (Cl. 99—182)



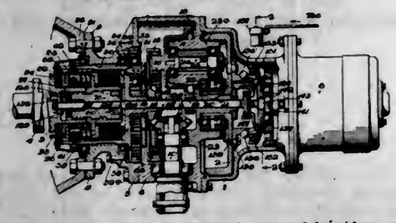
1. A method of sterilizing sheet metal containers for foods and beverages consisting in subjecting the container immediately prior to filling to an aqueous solution of an acid which is a constituent of and has a pH comparable to that of the food or beverage which is to be packed in the container and maintaining said solution at a temperature sufficient to cause destruction of microbiological infection and insufficient to injuriously affect the container or any protective or decorative coating thereon and retaining said solution in said container for a period of time sufficient to effect sterilization of the interior thereof.

2,296,975

ENGINE STARTING MECHANISM

Donald M. Berges, Alpine, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application October 12, 1940, Serial No. 360,989
5 Claims. (Cl. 123—179)



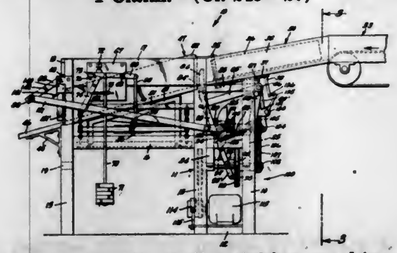
1. In an engine starter, in combination with an engine-engaging member, rotating means for said engine-engaging member, said rotating means including a flywheel and gear train, and means including weighted members mounted on said flywheel and a rod passing through said gear train for moving said engine-engaging member to engine-engaging position, said means also including a head-piece carried by said rod, and disposed in the path through which said weighted members move by centrifugal action, in response to rotation of said flywheel.

2,296,976

ELECTRIC WEIGHING MACHINE

Robert S. Bone, San Benito, Tex., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application July 30, 1940, Serial No. 348,499
1 Claim. (Cl. 249—27)



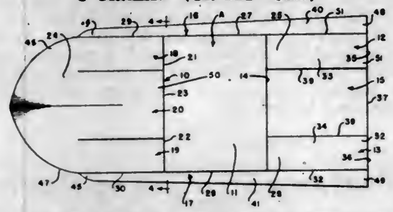
In an automatic fruit weighing machine, the combination of: duplicate weighing hoppers each hopper including an inclined floor and scale mechanism supporting said floor for weighing fruit resting on said floor; side walls for preventing the flow of fruit laterally from said floors; discharge control gates, each of which is shiftably mounted between open and closed positions opposite the lower edge of one of said floors; inlet fruit intercepting doors, one of which is disposed along the upper edge of each of said floors and shiftable between open and closed positions; means forming a fruit runway along which fruit is adapted to be delivered to either of said hoppers across the upper edge of its floors; a shear board pivotally mounted for swinging movement across said runway between two positions, in one of which fruit is sheared into one of said hoppers and in the other of which positions fruit is sheared into the other of said hoppers; and means responsive to the weighing mechanism of either of said hoppers, when said hopper has received a given weight of fruit, to rapidly shift the inlet fruit intercepting door of said hopper into closed position, shift the discharge gate of said hopper into open position, shift the discharge gate of said other hopper to closed position, retract the inlet fruit intercepting door of said other hopper into open position, and swing said shear board to a position which causes fruit traveling along said runway to be deflected to said other hopper.

2,296,977

HYDROPLANE HULL STRUCTURE

Kenneth M. Brien, Detroit, Mich., assignor of one-half to James W. Kelch, Detroit, Mich.

Application March 3, 1941, Serial No. 381,572
5 Claims. (Cl. 114—66.5)



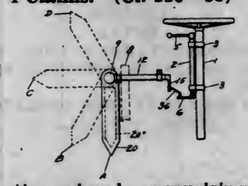
1. A hull structure comprising a hull provided on the underside thereof with a stepped portion, a substantially flat portion, side runners, a tunnel back or arched portion, and a transversely extending step, the stepped portion being adjacent the forward end of the hull, the flat portion being intermediate the stepped portion and side runners, the said side runners extending from the flat portion to the rear end of the hull, the tunnel back or arched portion being between and extending lengthwise of the side runners, and the transversely extending step being at the forward end of the tunnel back or arched portion.

2,296,978

DIRECTION SIGNAL

Cyril D. Bronson, Klamath Falls, Oreg.

Application September 24, 1941, Serial No. 412,147
4 Claims. (Cl. 116—35)



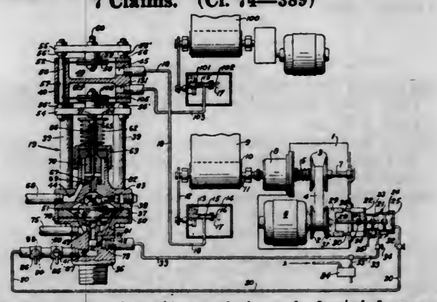
1. A direction signal, comprising a casing adapted for mounting exteriorly upon the body of a motor vehicle and having an extension projecting into such vehicle, a shaft journaled within the casing extension, its inner end projecting beyond the end of the extension, and its outer end projecting into the casing, a bevel gear mounted upon the outer end of said shaft, an arm mounted upon its inner end, a second shaft journaled within the casing with one end within the casing and the other without, a bevel gear mounted upon the inner end of the second shaft meshing with the first gear, a signal arm mounted upon the outer end of the second shaft, a sleeve mounted axially parallel upon the steering column of the vehicle, a shaft journaled within the sleeve, the upper end of the sleeve having rounded teeth, a lever mounted upon the upper end of the last shaft provided with rounded teeth meshing with the teeth of the sleeve, an arm mounted upon the lower end of the last shaft, a spring mounted between the lower end of the sleeve and the last arm forcing the last shaft downward and causing the aforesaid teeth to mesh, and a link pivotally connected between the first and last mentioned arms.

2,296,979

AUTOMATIC VARIABLE SPEED CONTROL APPARATUS

Hugh J. Byrne, Oakland, Calif.

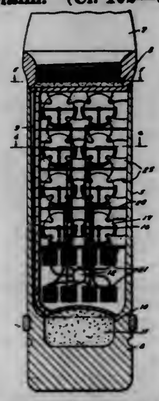
Original application February 15, 1937, Serial No. 125,822. Divided and this application November 7, 1939, Serial No. 303,251
7 Claims. (Cl. 74—389)



7. In a combination of two industrial machines each arranged to produce the flow of material therefrom, one machine separately and in-

dependently driven, and one machine separately and independently driven through a variable speed transmission having a shiftable element for changing its speed, a control pilot, means for shifting said element under control of said pilot, pressure means comprising a separate independent pressure system extending from each of said machines arranged for respectively reversely controlling said pilot to keep the material rate of flow from the variable speed transmission driven machine in any desired ratio to the material rate of flow from the independently driven machine.

2,296,980
SHELL
Asa B. Carmichael, Tujunga, Calif., assignor of forty-nine per cent to Oric Scott Hober, Sunland, Calif.
Application October 17, 1940, Serial No. 361,618
1 Claim. (Cl. 102—63)



A projectile comprising a case having a fuse head at its front end and a powder containing chamber in its rear end with a conduit containing powder leading from the head to the chamber, partitions in the case dividing the same into a plurality of chambers, cushion means in the chambers, cages in the chambers, a bomb in each cage, detonating means between the cages and the bombs, a disk in the lower part of the case between the powder receiving chamber and the lowermost bomb chamber, cables connected with the periphery of the disk and the outer end of each cable being connected to a cage, portions of the cables being coiled in the space in which the disk is located and small cables connecting the inner portions of the first-mentioned cables together, said small cables being in the form of a spider web.

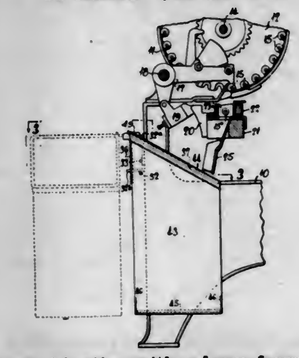
2,296,981
METHOD AND APPARATUS FOR DETERMINING THE POINT OF WATER ENTRY INTO OIL WELLS
Melvin E. Chun, Huntington Park, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application September 24, 1940, Serial No. 358,084
8 Claims. (Cl. 175—182)

1. A method of determining the point of water entry into a wellbore, characterized by: positioning a testing element in the wellbore which element extends throughout the region to be tested; leaving the testing element in place for a period calculated to permit detectable chemical action on said testing element; removing said testing element; and examining said testing element for variations in chemical action thereon.



4. A method of determining the location of water in an oil well, characterized by: positioning in a wellbore an anode of sufficient length to embrace the region to be investigated; connecting said anode in an electric circuit to cause electrochemical reaction between said anode and any electrolyte present in said region; removing said anode after a predetermined time; and investigating said anode for evidences of electrochemical action.

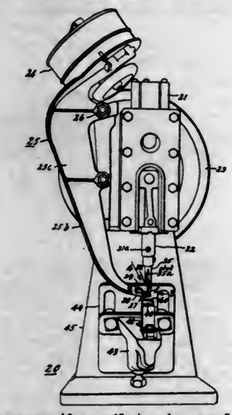
2,296,982
BOBBIN RECEPTACLE FOR LOOMS
Joseph C. Cobb and Eugene P. Floyd, Tucapau, S. C.
Application November 21, 1941, Serial No. 419,838
10 Claims. (Cl. 139—255)



1. In combination with a loom frame having a shuttle box, a bobbin replenishing and expelling mechanism associated with said shuttle box, a receptacle, means pivotally secured to the loom for supporting the receptacle beneath the shuttle box for receiving the expelled bobbin, said means being swingably mounted about a vertical axis whereby the receptacle may be rotated laterally from beneath the shuttle box when the bobbins are removed therefrom.

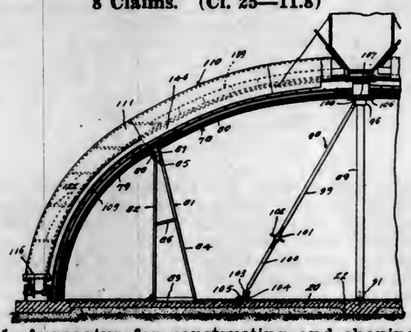
2,296,983
MACHINE FOR ATTACHING EYELETS TO WIRES
Charles K. Cooper and David L. Jones, Warren, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 28, 1940, Serial No. 326,436
8 Claims. (Cl. 153—1)

1. A machine for attaching an eyelet to a wire comprising an eyelet riveting anvil, an eyelet pilot pin for locating an eyelet central of the anvil, a tubular wire bending sleeve concentric with the pilot pin and having camming end-surface cooperating with the anvil to form a wire in a loop around the anvil, and a tubular eyelet-riveting



punch between the pilot pin and wire-bending sleeve for engaging the flange of an eyelet upon the anvil and for causing the tubular shank of the eyelet to be forced through the wire-loop and cooperating with said anvil to fold together the eyelet-flange around the wire-loop.

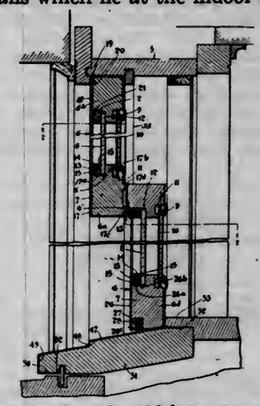
2,296,984
APPARATUS FOR FORMING CONCRETE DOMES
Louis P. Corbetta, Harrison, N. Y.
Application March 16, 1942, Serial No. 434,940
8 Claims. (Cl. 25—11.8)



1. Apparatus for constructing and shaping a concrete dome shaped structure, comprising a longitudinally arcuate frame, wheels carried by the opposite ends of said frame, and an upright supporting post engaging the central portion of said frame.

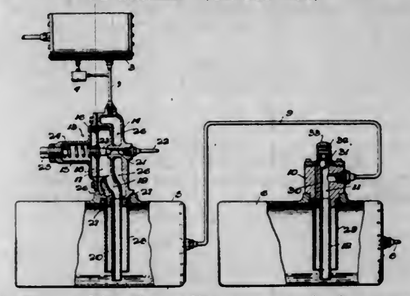
2,296,985
WINDOW INSTALLATION
Charles T. Cresswell, Montreal, Quebec, Canada
Application December 26, 1940, Serial No. 371,707
In Canada July 23, 1940
2 Claims. (Cl. 20—52)

1. A window sash having its outdoor side completely covered by metal sheathing, edge portions of which are bent around the side rails of the sash and hooked into recesses provided in the jamb opposing surfaces of said rails, said recesses being located closer to the outdoor than to the indoor side of the sash, those portions of the side rails which lie at the indoor side of said



recesses being of such width as to present bare jamb opposing surfaces which project beyond the sheathing covered jamb opposing surfaces which lie at the outdoor side of said recesses.

2,296,986
FLUID PRESSURE MECHANISM
Wilfred A. Eaton, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application July 21, 1941, Serial No. 403,409
14 Claims. (Cl. 303—88)

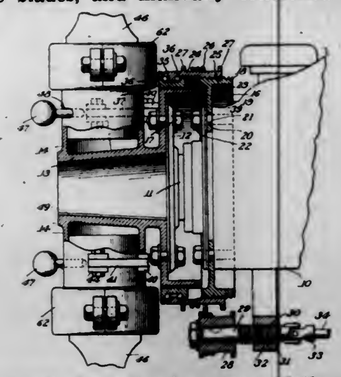


1. In combination with a reservoir for receiving fluid pressure, means for discharging accumulated condensate from said reservoir, and means for supplying fluid pressure to said reservoir in heat exchange relation with the first named means.

2,296,987
CONTROLLABLE PITCH PROPELLER
Paul C. Emmons, West Lafayette, Ind.
Application September 23, 1940, Serial No. 357,955
1 Claim. (Cl. 170—163)

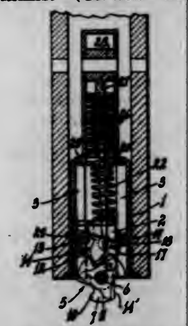
The combination with an aircraft engine and engine shaft, of a hub mounted for rotation with the shaft and having an annular flange concentric with the shaft, propeller blades secured to the hub for limited rotation on longitudinal axes, an externally threaded fixed ring on the engine concentric with the shaft, an internally threaded adjusting ring on the fixed ring adapted to be moved fore or aft on the fixed ring by the threads of both rings when the adjusting ring is turned axially, said adjusting ring having a radially disposed annular flange concentric

with the shaft, a bearing race container splined on the hub annular flange, bearing means coacting with the adjusting ring flange to connect the bearing race container for fore or aft movement as a unit with the adjusting ring, ears extending from the bearing race container, crank arms extending from the propeller blades pivotally connected to the ears adapted to rotate the blades axially when the bearing race container is moved fore or aft to vary the pitch of the blades, and manually controlled means



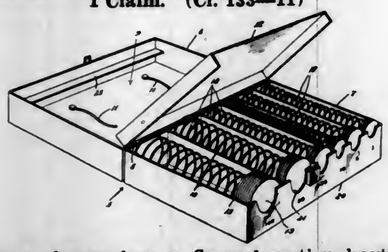
for turning the adjusting ring axially on the fixed ring, said means comprising an endless cable having a portion coiled on the adjusting ring, a pulley upon which another portion of the cable is coiled, a threaded shaft for the pulley, a lug projecting from the engine having a threaded opening receiving said shaft, and a manually turnable rod flexibly connected to the shaft to turn the shaft and pulley for reeling the cable in either direction on the adjusting ring to turn the adjusting ring.

2,296,988
HOOK TYPE ROTARY LATCH
Waldemar A. Endter, Long Beach, Calif.
Application August 31, 1940, Serial No. 355,059
5 Claims. (Cl. 292—214)



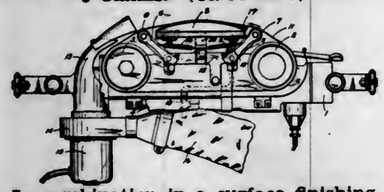
1. A rotary latch comprising a case, a yoke slidably mounted in said case, a rotary bolt journaled in the yoke, a plurality of heads on the rotary bolt, one or more cam dogs pivotally mounted in the yoke, means to retract said cam dogs, spring means bearing against said yoke, spring means bearing against the cam dogs, said rotary bolt having a slot cut therein, and said slot having a cam surface, one of said dogs entering the slot and engaging the cam surface therein.

2,296,989
CHANGE BOX
Harry Forsyth, Prosser, Wash.
Substituted for abandoned application Serial No. 360,827, October 11, 1940. This application August 30, 1941, Serial No. 409,102
1 Claim. (Cl. 133—11)



In a change box, a flanged section having a plurality of coin accommodating channels therein with notches in the front flange, one for each channel, a second flanged section, means for hinging the rear flanges of the two sections together, a flanged partition having its rear flange hinged to the rear flanges of the two sections by said hinged means, the flanges of the partition extending toward the first section with the front of the partition being open and a flanged member connected to the front flange of the second section on the inner face thereof and engaging the front end of the partition, when the box is closed, to hold the partition in a position covering the coins in the channels.

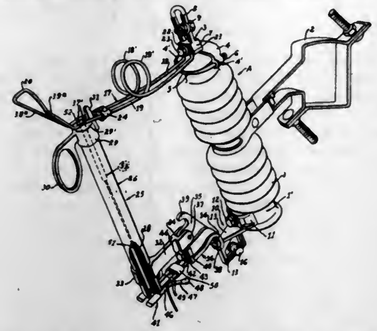
2,296,990
BACKING SHOE FOR SURFACE FINISHING APPARATUS
Bert F. Fowler, South Bend, Ind.
Application December 29, 1939, Serial No. 311,468
5 Claims. (Cl. 51—170)



1. In combination in a surface finishing machine of the type described, a surface finishing belt, means for supporting and driving said belt, a backing shoe positioned to engage the inner surface of said belt, said shoe having a relatively thick resilient body overlaid by a strap of relatively thin, smooth surfaced woven fabric material, the outer surface of said woven fabric being in engagement with the inner surface of said surface finishing belt, a nozzle having its outlet positioned adjacent to and ahead of the place of first engagement between said outer smooth surface of said fabric strap and said inner surface of said surface finishing belt, said nozzle being flattened to provide a reduced and elongated orifice adapted to discharge air in fan shaped jet against said belt and strap, and means for conducting air under pressure to said nozzle.

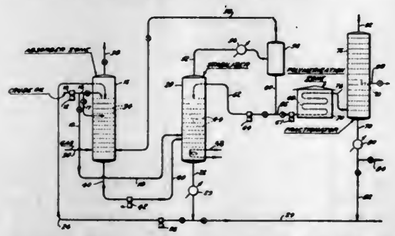
2,296,991
ELECTRICAL SWITCH
Charles Adin Fox, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application May 13, 1940, Serial No. 334,699
4 Claims. (Cl. 200—114)

1. An electrical switch comprising a mounting which includes insulating means having spaced terminals supported thereby adapted to receive in electrical connection therewith incoming and outgoing conductors, and a resilient contact extending outwardly from said incoming terminal, and a fuse cartridge comprising a hinge member detachably attached to said outgoing terminal for pivotal movement with respect thereto, an elongated fuse housing adapted to be engaged at its upper end by said resilient contact, means associated with said fuse housing for pivotally connecting said fuse housing to said hinge member, a fuse link disposed within said fuse housing and extended from an end thereof, a fuse link engaging element secured to said hinge member



and adapted to underlie and contact with the lower end of said fuse housing, said fuse link engaging element being formed from a length of material bent to provide an attaching portion at which said element is secured to said hinge member, parallel and spaced apart portions extended from said attaching portion and between which the fuse link extends, and means for maintaining the spaced relation of said extended portions, at least one of said spaced extended portions of said element being bent rearwardly upon itself to provide a gripping portion into which the portion of the fuse link which is extended from the fuse housing is drawn so as to engage said fuse link with said fuse link engaging element.

2,296,992
SEPARATING HYDROCARBON FLUIDS
Wright W. Gary, Manhasset, N. Y., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application July 21, 1939, Serial No. 285,654
2 Claims. (Cl. 196—11)



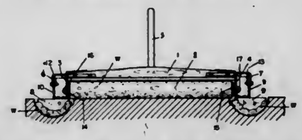
2. A process for the separation of light hydrocarbons including methane and ethane from a crude petroleum oil and the recovery of desired hydrocarbons from said separated light hydrocarbons and from a hydrocarbon gas mixture which comprises introducing unstabilized crude oil into an absorber, flowing gases containing hydrocarbons upwardly through said absorber in countercurrent contact with the introduced crude oil so that the crude oil absorbs higher molecular weight hydrocarbons from the gases, withdrawing crude oil enriched with absorbed constituents from the bottom of said absorber and passing it to a stabilizer to vaporize and separate light hydrocarbons therefrom and to produce stabilized crude oil, withdrawing stabilized crude oil from said stabilizer and returning a portion thereof to said absorber at a point above the point of introduction of said unstabilized crude, condensing desired hydrocarbons from said separated light hydrocarbon vapors and introducing the uncondensed portion into said absorber with additional amounts of said gases containing hydrocarbons.

2,296,993
CONTROL DISCONNECT
William R. Gerry, Kalamazoo, Mich., assignor to Shakespeare Products Company, Kalamazoo, Mich., a corporation of Michigan
Application May 31, 1941, Serial No. 396,091
1 Claim. (Cl. 74—501)



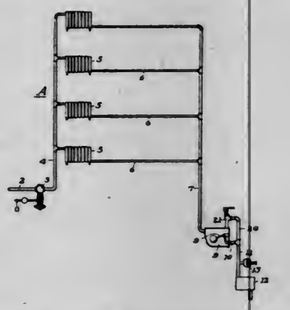
A disconnect for controls, comprising co-axially juxtaposed tubular bodies having different outside diameters and substantially corresponding inside diameters, the outer sides of each said bodies being substantially even and smooth throughout their respective lengths, the inner end portion of one of said bodies having an outwardly opening internal chamber therein extending for a portion of its length receiving the inner end portion of the remaining body, an outer peripherally disposed stop on said remaining body spaced from its inner end and abuttingly engageable with the adjacent end of the first mentioned body, coupling means, a reduced elongated shank on one end of said coupling means, snugly and slidably engaging over said remaining body outwardly of said stop and engageable therewith, the coupling means engaging with and over a portion of the outer periphery of the first mentioned body overlying its internal chamber, and co-axially disposed interengageable rods slidably received within said tubular bodies.

2,296,994
CLEANING DEVICE
Willis C. Grant, Ashtabula, Ohio, assignor of one-half to Alfred Marrison, Ashtabula, Ohio
Application August 19, 1940, Serial No. 353,274
5 Claims. (Cl. 15—118)



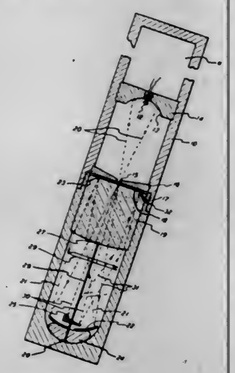
1. A cleaning device for bowling alleys comprising a frame including spaced flanges, a cylindrical brushing member rotatably mounted between said flanges, half round gutter swabs carried by said frame adjacent the respective ends of said cylindrical member, and means for securing said cylindrical member against rotation at selected positions.

2,296,995
STEAM HEATING SYSTEM
Bernard J. Ingram, Bellevue, Pa., assignor of one-half to E. H. Haupt, Bethel Township, Allegheny County, Pa.
Application January 31, 1940, Serial No. 316,571
6 Claims. (Cl. 237—68)



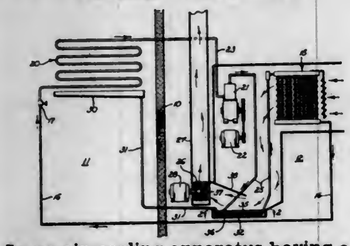
6. A heating system comprising a steam condensing unit, a regulating valve for supplying steam to the unit, an exhaust line with a condensate trap therein leading from the unit, a by-pass in the exhaust line around the trap, a check valve device in said by-pass which opens inwardly and closes outwardly, said check valve device being responsive only to the difference in pressure on the inlet and outlet sides of the said trap, said check valve device having a movable valve element biased to move toward an open position, means for adjustably limiting the range of movement of the valve, and means associated with the check valve unit for varying the effectiveness of the biasing force.

2,296,996
DIRECTIONAL DRIFT RECORDER
Philip Jones, Los Angeles, Calif.
Application August 3, 1940, Serial No. 351,069
10 Claims. (Cl. 33—205.5)



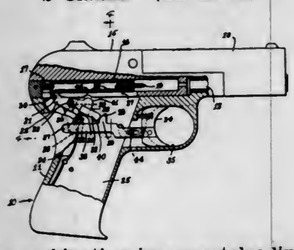
1. In a well surveying device: a tubular housing; a perforated, light-sensitive record disk transversely disposed in said housing; means for projecting light rays through the perforation in said disk, and direction-responsive means including a concave mirror for projecting the rays so projected upon said record disk so as to produce a record of the orientation of said disk.

2,296,997
CONDENSATE DISPOSAL MEANS
Marion F. Knoy, Long Beach, Calif.
Application August 3, 1940, Serial No. 350,534
2 Claims. (Cl. 62—115)



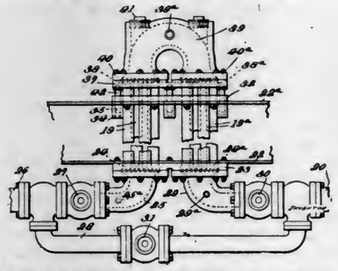
1. In an air-cooling apparatus having a refrigerating cycle including a compressor, a condenser, and an evaporator, the combination therewith of disposal means to vaporize water condensed on the outer surface of the evaporator, said disposal means comprising: walls forming an air course through the apparatus cut off from said evaporator; power means to drive fresh air through said air course; a disposal receptacle to retain a body of water drained from the surface of said evaporator; and a fluid-passage means included in said refrigerating cycle in the hottest zone thereof between the output side of the compressor and the input side of the condenser, said fluid-passage means having an exposed portion in said air course and a portion submerged in said body of water, said condenser being in said air course, said exposed portion of said fluid-passage means being in said air course downstream from said condenser, whereby air flowing through said air course is initially heated by the warm surface of said condenser and is then heated further by the exposed portion of said fluid-passage means to lower the relative humidity of the air before the air reaches the water in the receptacle, said air course being locally restricted in cross section at said receptacle to accelerate the air flow across the surface of said body of water.

2,296,998
FIREARM
Ernest F. Koehler, Berlin, Mass.
Application April 25, 1939, Serial No. 269,827
2 Claims. (Cl. 42—3)



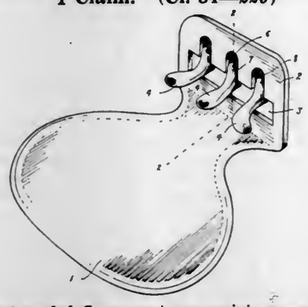
2. The combination in an autoloading weapon having a frame, a recoil retracted bolt slidably mounted on the frame, a striker and a spring for impelling the striker, of a sear pivoted on the frame, spring means for constantly urging the sear towards the striker to engage and hold the same in retracted position, a sear actuator pivotally supported on the frame for movement in one direction to disengage the sear from the striker and in the opposite direction to free the sear for engagement with the striker, said actuator having a radial arm, a trigger on said frame having an arm in engagement with the sear actuator arm for pivotal movement of the sear actuator into position to disengage the sear from the striker, and co-operating means on the bolt and sear actuator for swinging the sear actuator together with the trigger back into position to release the sear for engagement with the striker upon recoil movement of the bolt.

2,296,999
FEED WATER ECONOMIZER
George Leonidas Kottes, New Orleans, La.
Application January 16, 1941, Serial No. 374,748
2 Claims. (Cl. 257—255)



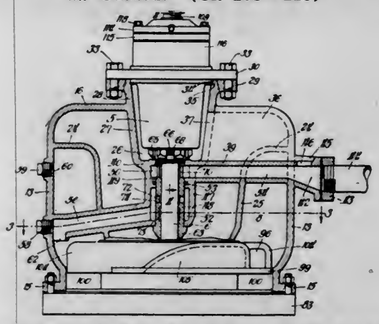
2. A feed water economizer comprising spaced stationary and movable header members, a plurality of tubes extending through said header members in fixed sealing relationship therewith and providing for the passage of water between inlet and outlet conduits, a plate located between said header members and fixed with respect to said stationary header and having openings through which the tubes extend in slidable and substantially sealed relationship, said plate having a plurality of bushings extending therefrom towards said stationary header, and projecting pins carried by said movable header member and extending into said bushings for providing a substantially sealed telescoping supporting connection between the movable header member and said plate whereby to permit relative movement between the said movable header member and said plate in order to provide for expansion and contraction of the tubes.

2,297,000
FLOOR MAT
Irving F. Kult, Duluth, Minn.
Application August 25, 1941, Serial No. 408,223
1 Claim. (Cl. 84—229)



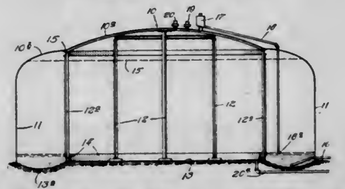
A foot pedal floor mat comprising a main body portion and an upturned portion issuing from a marginal edge of said body portion, and having a combined through and stepped opening therein for the purpose described.

2,297,001
SELF-PRIMING CENTRIFUGAL PUMP
Harry E. La Bour, Elkhart, Ind.
Application March 17, 1939, Serial No. 262,339
22 Claims. (Cl. 103—113)



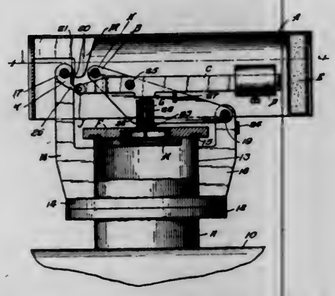
4. A pump body comprising a hollow casting having a closed top wall with a central opening for a shaft in the said top wall, said casting comprising an outer and an inner wall concentric with the central opening, the inner wall terminating in an annular rim, the outer wall terminating in an annular gasket surface lying below the said rim, said inner wall defining a trap and the space between the inner and outer walls defining a separator, tubular inlet and discharge connections providing external communication with the trap and separator, respectively, a sealing barrel depending from the top wall and having a bore in line with said opening, said barrel being divided into upper and lower chambers, an integral liquid inlet duct extending from the separator through the inner wall to the lower chamber in the barrel, and a liquid drain duct leading from said upper chamber through said inner and outer walls for draining off escaping liquid from said seal.

2,297,002
PRESSURE CONTAINER
Donald E. Larson, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application February 8, 1941, Serial No. 378,081
6 Claims. (Cl. 220—1)



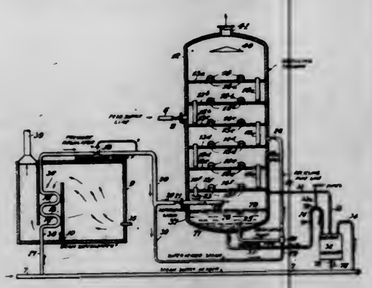
1. In combination with a pressure container having a flat bottom and domed top, a peripheral trough attached to the periphery of the top and communicating with the interior of the container, said atachment joining the trough to the periphery of the top in supporting relation with respect to the top so that the weight of the trough with liquid therein tends to prevent upward movement of the periphery of the top from internal pressure in the container, said trough being supported by means other than said attachment to the periphery of the top when there is no internal pressure in the container, and liquid in the trough, the weight of said liquid serving to prevent upward bending of the periphery of the bottom from internal pressure.

2,297,003
PRESSURE RELIEF VALVE
Donald E. Larson, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application February 20, 1942, Serial No. 431,628
3 Claims. (Cl. 137—53)



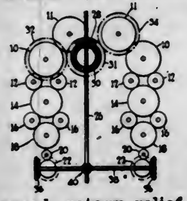
1. A pressure relief valve, including: a chamber with a vent opening; a cover over the opening; means for applying pressure to the cover to hold the same in place, said means including a lever with a releasable fulcrum; and means operated by pressure in the chamber above a predetermined point for releasing said fulcrum, whereby the pressure applied to the cover is relieved.

2,297,004
DISTILLATION OF ORGANIC LIQUIDS
Alan Porter Lee, Madison, N. J.
Application December 1, 1938, Serial No. 243,307
8 Claims. (Cl. 202—46)



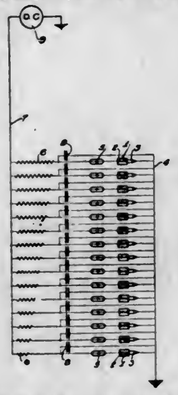
3. In a process for steam distillation of organic liquids yielding tarry or fluid residuums in a tube and chamber distilling apparatus characterized by maintenance of a succession of pools of liquid of composition varying from top to bottom of the distilling chamber, the steps which comprise continuously withdrawing residuum having substantial content of distillable liquid from a lower zone of the distilling chamber, reheating said continuously withdrawn residuum by means of direct admixture with superheated steam of higher temperature than that of said withdrawn residuum and discharging the resultant mixture of superheated steam, residuum and distillable liquid into a higher zone of said distilling chamber at a point below the point of liquid feed to said chamber having one or more pools of liquid intervening below the point of said discharge and above the lower zone of residuum withdrawal of said distilling chamber.

2,297,005
RELIEF PRINTING PRESS
Stanley D. Livingston, Freeport, N. Y.
Application November 2, 1939, Serial No. 302,479
1 Claim. (Cl. 101—219)



In a high speed, rotary relief printing press, the combination of a printing couple including an impression cylinder and a coacting plate cylinder, an inking mechanism therefor having an ink drum, said cylinders and ink drum having relatively large moments of inertia, and means for driving the drum from the couple including an annular gear surrounding a hub on a shaft, said gear and hub each formed with a plurality of concentrically arranged registering transverse recesses, resilient members, one in each of the cavities, retaining rings, one attached to the annulus and the other to the hub positioned to retain the resilient members in place, whereby resilient arcuate relative movement between the annulus and gear is permitted and the annulus is also held resiliently axially.

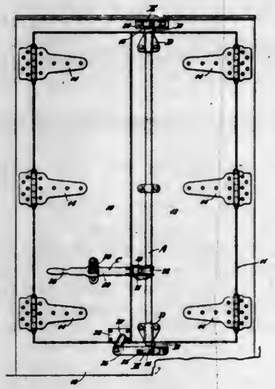
2,297,006
GUN PERFORATOR FIRING SYSTEM
Ralph W. Lohman, South Pasadena, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application March 7, 1941, Serial No. 382,209
9 Claims. (Cl. 164—0.5)



1. A firing system for gun perforators having a cartridge provided with an electrically responsive ignition fuse, comprising: a capacitor; means for charging said capacitor; and means for discharging said capacitor through said cartridge.

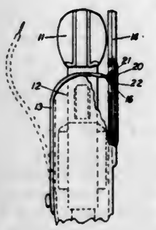
2,297,007
DOOR FASTENER
Harvey J. Lounsbury, Glen Ellyn, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application August 10, 1940, Serial No. 352,073
2 Claims. (Cl. 292—241)

1. In a fastener for hinged doors, the combination with a tubular cylindrical operating bar; of elongated bearing brackets on the door at the top and bottom ends thereof for rotatably mounting the bar, each bracket having its bearing portions spaced vertically one above the other;



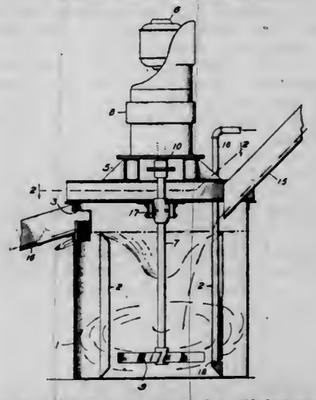
and keeper engaging crank members at opposite ends of the bar, each crank member having a shank telescoped within the corresponding end of the bar and welded thereto at a point between and removed from the upper and lower bearing portions of each bracket.

2,297,008
HOLSTER LOCK
Gordon G. McMillan, Sierra Madre, Calif.
Application January 17, 1941, Serial No. 374,883
4 Claims. (Cl. 224—2)



1. A holster lock of the class described, which includes: a resilient strap adapted to be attached to the outer side of a holster and to extend across the pocket to the opposite side of said holster, the upper end of said strap being provided with a loop and having a natural resilience which urges the upper portion thereof in a direction outwardly from said holster; a base plate adapted to be attached to the inner side of said holster; a hook with its opening facing the pocket and attached to said base plate, said hook being adapted to receive said loop; and a spring attached at one end to said base plate and having its free end extending across said opening and bearing against the lower end of said hook and the outer surface of said base plate whereby said hook is yieldably closed.

2,297,009
DISINTEGRATING APPARATUS
Harry L. Mead and Ernest J. Maust, Brewster, Fla., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application December 17, 1940, Serial No. 370,436
4 Claims. (Cl. 83—11)



1. In an apparatus for the disintegration of mixtures of clay balls and rock, a vertically disposed cylindrical tank for holding water and having rotatably mounted therein only near the bottom a bladed impeller type agitator, vertical baffles disposed about the inner wall of the tank, said impeller being spaced apart from the vertical baffles but cooperating therewith to effect disintegration, a discharge area opening in one side and confined to an area near the top of the tank, said discharge opening being at a sufficient distance above the impeller to provide for a circulation zone between the impeller and the opening and having spaced retaining means disposed therein capable of retaining in the tank clay balls and rock of a pre-determined size, said spaced retaining means comprising a plurality of spaced fingers extending only substantially vertically and protecting the lower half only of the discharge area, means for continuously feeding an aqueous slurry of clay balls and rock into the tank at a substantial peripheral distance from the discharge opening, means for imparting high speed rotary motion to the impeller sufficient to keep the clay balls and rock in suspension and causing the clay and rock particles smaller than the spaced opening of the retaining means together with water to be discharged from the tank.

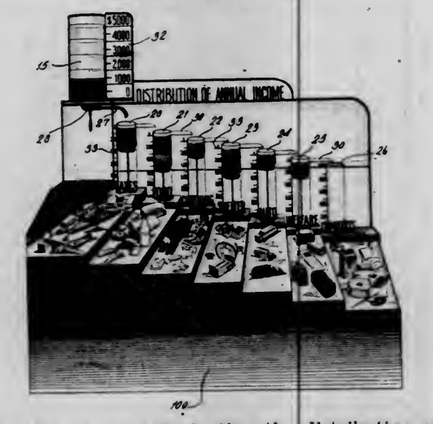
2,297,010
SAW FILING DEVICE
Barney F. Milano, Pueblo, Colo.
Application November 28, 1940, Serial No. 367,503
2 Claims. (Cl. 76—33)



1. A saw sharpening device comprising: a flat, elongated, spacer bar having a longitudinally extending row of uniformly spaced perforations; means for securing said bar along the toothed edge of a saw with its flat upper surface horizontal; a supporting plate; spacer blocks sup-

porting said supporting plate on said upper surface; a pair of pins projecting downwardly from said spacer blocks into spaced apart perforations in said row; a slotted guide block pivotally mounted on said supporting plate; means for locking said block to said plate at any desired position around its pivot; a slide bar passing through the slot of said guide block and projecting from both sides thereof; a file supporting member adjustably mounted adjacent each extremity of said slide bar; a file supported at its each extremity by one of said file supporting members and extending across said spacer bar below said supporting plate and between said spacer blocks.

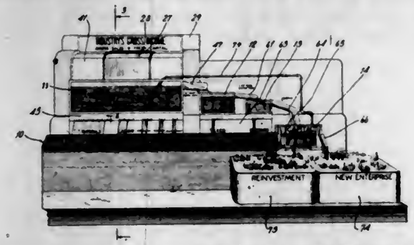
2,297,011
APPARATUS FOR ILLUSTRATING ECONOMIC PRINCIPLES
James D. Mooney, Oyster Bay, N. Y.
Application April 19, 1941, Serial No. 389,319
9 Claims. (Cl. 35—24)



1. A device for illustrating the distribution of income between a series of classified expenditures, comprising a transparent graduated tank for containing liquid to a height corresponding to the income of a person as indicated by the graduations thereon, a series of transparent graduated receptacles, means for transferring the liquid in the tank to the first receptacle in the series, overflow spouts for transferring excess liquid from each receptacle to the next in the series, and means for varying the volume of each receptacle below said spouts available for the storage of liquid to control and indicate by the graduations on said receptacle the proportion of liquid retained thereby to simulate variations in the division of income into various classifications of expenditure with changes in income and in the amount of individual items of expense.

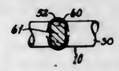
2,297,012
APPARATUS FOR ILLUSTRATING ECONOMICS
James D. Mooney, Oyster Bay, N. Y.
Application March 18, 1942, Serial No. 435,201
12 Claims. (Cl. 35—24)

1. In a hydraulic device for illustrating economic laws, a tank for viscous colored liquid, a discharge device for the liquid in said tank including a slot of variable length for discharging a band of such liquid of constant thickness but variable width and means for varying length of such slot and thereby the width of said band whereby the width of said band gives a visually



observable measure of the rate of flow of the liquid.

2,297,013
METHOD OF MAKING T'S OF METAL TUBING
Charles A. Nichols and George L. Weiser, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 9, 1941, Serial No. 387,566
5 Claims. (Cl. 29—157)

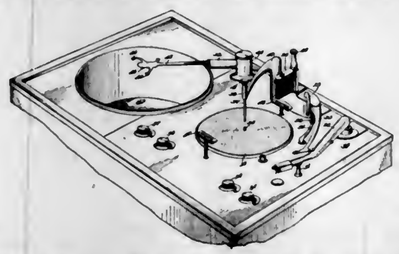


1. The method of making a T of metal tubing which comprises removing a portion from one side of a round tube to form a side opening, shaping the portion of the tube surrounding said opening into circular formation, said portion including arcuate flanges extending outwardly, spreading said flanges apart to provide an opening of approximately elliptical formation, the larger diameter of which is at right angles to the axis of the tube, shaping the portion of the tube defining said elliptical opening into circular formation with arcuate flanges extending outwardly and shaping the side walls of the tube inside the opening into cylindrical formation in order to provide a socket for receiving another tube, shaping an end of another tube to provide diametrically opposite notches, placing the notched end of the second tube within the socket of the first tube with the notches of the second tube aligned with the axis of the first tube, and in securing the tubes together in said relative location.

2,297,014
MAGAZINE PHONOGRAPH
Francis John Offen, Swindon, England, assignor to The Garrard Engineering & Manufacturing Company, Limited, Swindon, England, a corporation of Great Britain
Application May 7, 1941, Serial No. 392,200
19 Claims. (Cl. 274—10)

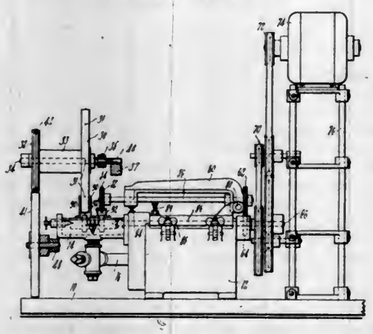
8. Mechanism for supporting and delivering a stack of disc records from above to a turntable of a phonograph comprising: a series of laterally displaceable vanes mounted above the turntable for individually supporting one edge of each of a plurality of records comprising the stack, a laterally swingable arm mounted adjacent the turntable for periodically supporting the record stack in association with said vanes, and an elevator mounted adjacent the turntable for periodically and in alternation with said arm supporting the record stack in association with the vanes, a second elevator mounted adjacent the turntable and distant from the first elevator; means operatively associated with said first elevator for upwardly moving the same to lift the

record stack and support the stack above the arm, means operatively associated with the arm for laterally swinging the same outwardly from beneath said record stack while the stack is supported by said first elevator, and means operatively associated with the vanes for laterally displacing the lowermost vane away from the edge of the lowermost record of the stack whereby said lowermost record is released for tilting towards the turntable, means operatively associated with said second elevator for upwardly moving the same to receive the tilted edge of the



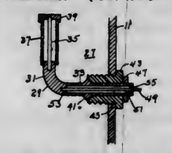
lowermost record, means operatively associated with said arm for returning the same beneath the record stack, and means operatively associated with said first elevator for lowering the same to permit the record stack to be supported on the arm in association with the vanes and allow the tilted record to be released for movement towards the turntable, said first named elevator serving as it is lowered to support an edge of the released record, thereby to deliver the record towards the turntable in association with the second elevator.

2,297,015
MACHINE FOR COATING STRIPS
Walter P. Osgood, Malden, Mass., assignor to Boston Machine Works Company, Lynn, Mass., a corporation of Massachusetts
Application September 13, 1941, Serial No. 410,668
5 Claims. (Cl. 91—51)



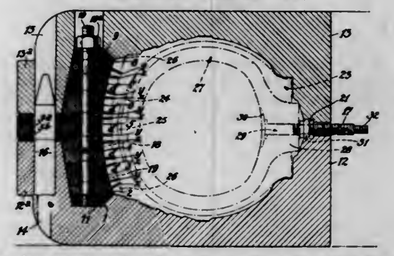
1. A machine for coating a strip, comprising a rotatable coating roll, a rotatable guide wheel on an axis parallel to that of said roll and normally in a position to press against the roll a strip passing between said wheel and roll, means normally pressing said wheel toward said roll, means periodically moving said wheel away from said roll during the operation of the machine, and means for inverting the strip after it has passed between said wheel and roll and leading it back to said roll to present its other side thereto.

2,297,016
WATER HEATER CONTROL SYSTEM
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application May 19, 1941, Serial No. 394,229
7 Claims. (Cl. 219—39)



1. In a water heating system for a hot water tank having an electric heater, a heater control switch and thermally-actuable means responsive to tank water temperature at two points only which points are spaced vertically from each other to cause closure of said switch and energization of the heater only after the withdrawal of enough hot water from the tank to cause the upper level of the entering cold water at the bottom of the tank to reach substantially the upper one of said two points.

2,297,017
TIRE MOLD STRUCTURE
Max C. Overman, New York, N. Y.
Original application May 10, 1939, Serial No. 272,826. Divided and this application December 6, 1939. Serial No. 307,729
5 Claims. (Cl. 18—38)



5. Apparatus for forming a tire tread with circumferential ribs, alternately relatively wide load supporting draft ribs and relatively narrow undercut wiper ribs, comprising two half-mold members adapted to be secured together, and a tread forming matrix, shaped to form alternate relatively wide load supporting draft ribs and relatively narrower undercut wiper ribs, positioned between said mold members, said matrix consisting of a number of annular sections, said sections each having at intervals transverse bores, registering with similar transverse bores of adjoining sections, and radial vents, leading from the inner periphery of said matrix and communicating with said transverse bores, said vents being positioned only in that portion of the matrix which is shaped to form said load bearing ribs.

2,297,018
SPONGE RUBBER AND PROCESS OF MAKING SAME
Robert L. Overstreet, Bedford, Va., assignor, by mesne assignments, to Salta Corporation, Jersey City, N. J., a corporation of Delaware
Application February 3, 1939, Serial No. 254,353
4 Claims. (Cl. 18—53)

1. The method of making a sponge rubber article of predetermined shape and size, which com-

prises vulcanizing a mass of soft rubber compound containing a blowing agent in two stages in the first of which the compound is confined in a rigid mold having the same volume as the compound and in the second of which the mass is confined in a larger mold having a volume less than that to which the blowing agent can expand the mass at vulcanization temperature and having the shape and approximate size of the article to be made, and after completion of the vulcanization mechanically rupturing the walls of the cells.

4. As a new article of manufacture, an open-cell sponge rubber in which the proportion of air-filled cells to rubber compound is such that the apparent density of the sponge rubber is less than 10 pounds to the cubic foot and in which the rubber compound contains approximately 25% by weight of rubber.

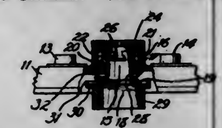
2,297,019

CELL COVER FOR STORAGE BATTERIES

George A. Paddock, Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application September 16, 1938, Serial No. 230,231

8 Claims. (Cl. 136—178)



8. A closure device for battery boxes adapted to contain electrolyte up to a predetermined level and having at its top a cover with a hole therein, there being a gas-receiving space below the cover, said closure device comprising a hollow sleeve movable vertically in the hole in the cover, means for supporting the sleeve in an upper and a lower position in the cover, the upper end of said sleeve being provided with vent passages through its wall, and sealing means on the sleeve below the vent passages adapted to form an air-tight joint with the under surface of the cover for preventing the passage of gas from the gas-receiving space to the vent passages through the hole in said cover when the sleeve is in its upper position and with the lower part of the sleeve extending downwardly below said sealing means to the predetermined level of the electrolyte, and a vertically movable vent cap for covering the upper end of the sleeve, said cap being constructed to separably engage the sleeve and move the same downwardly to its lower position to disengage the sealing means from the under surface of the cover and put the vent passages in communication with the gas-receiving space.

2,297,020

CIRCULATING FLUID WASHER

John S. Page, Long Beach, Calif.

Application May 15, 1940, Serial No. 335,298

2 Claims. (Cl. 166—20)

1. A circulating fluid washer comprising an elongated hollow body, a packer mounted on the body, said body having an outlet port below the packer through which fluid under pressure may be forced, a pump means mounted above the body, the outlet of said pump opening into the body, an electric motor mounted above the pump, an electrical plug mounted above the motor, electrical conductors extending from the plug to the electric motor, and an electrical slip socket engageable with the plug, an electrical cable to which the slip socket is connected, the washer



being suspended on pipe through which the socket moves to engage the plug, said socket engaging the plug after the washer is in operative position.

2,297,021

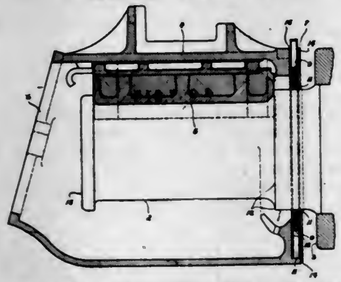
AXLE BOX DUST SEAL

Rolland Stillwell Parker, Calcutta, British India

Application April 11, 1942, Serial No. 438,524

In British India February 27, 1941

5 Claims. (Cl. 286—6)



1. Means for preventing the penetration of foreign matter into an axle box adapted to receive therewithin a journal located near the outer end of an axle carrying a wheel disposed inwardly with respect to said journal; the said means comprising a sealing member, adapted to be passed over the end of the axle and substantially into operating position thereon before the said axle is inserted into the axle box and having a radially extending body portion of substantial width and a sealing portion adapted to circumferentially engage the axle and form a dust seal therewith; a dust seal housing, at the inner end of the axle box, having at its inner end an opening through which the axle extends, the said opening being of sufficient size to permit the said sealing member to pass freely therethrough into said housing as the axle box is moved into operating position upon the axle; and a U-shaped adapter, adapted to be inserted into said housing, when the axle is in assembled position within the axle box, by movement in a radial plane, the said adapter being of substantial width between its inner and outer edges, and having an inner marginal surface on one face thereof adapted to overlap and engage a side surface of the body portion of said sealing member about the greater part of the periphery thereof, and an outer marginal surface on the opposite face thereof adapted to overlap and engage the greater circumferential part of an inner marginal surface of said housing immediately surrounding said opening and to coact with the said inner surface and an opposed inner surface of the housing whereby to hold said sealing member in position within said housing, the adapter, further, being adapted to coact with the sealing member and the said housing whereby to close the space between the body of the sealing member and the said housing along the said overlapping portions to prevent passage of foreign matter into the axle box.

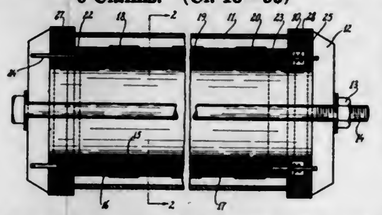
2,297,022

METHOD OF MAKING CLOSED CELL RUBBER

Hans Pfleumer, New Brunswick, N. J., assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware

Application August 2, 1940, Serial No. 349,548

8 Claims. (Cl. 18—53)



1. A method of making closed cell gas expanded rubber which comprises mixing rubber with a chemical blowing agent, confining the rubber by binding straps, heating the bound rubber to cause decomposition of the chemical blowing agent contained therein, the binding preventing radial expansion until a predetermined internal pressure is developed, and continuing the heating until sufficient pressure is developed to break said binding.

2,297,023

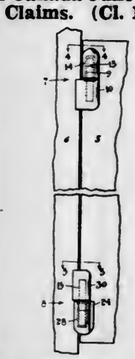
HINGE MOUNTING FOR SWINGING CLOSURES

William M. Phelan, Montreal, Quebec, Canada

Application June 26, 1940, Serial No. 342,511

In Canada June 27, 1939

4 Claims. (Cl. 16—128)



1. Means for hinging a door to a corner portion of a hollow rectangular post comprising upper and lower post-carried hinge leaves and upper and lower door-carried hinge leaves hingedly connected to said post-carried leaves, each of the last mentioned leaves being provided with a right angle recess in which the said corner portion of the post is fitted and with a threaded stud extending inwardly from the walls of said recess through an opening provided in the said corner portion of the post, a nut threaded on each of said studs and a filler piece interposed between each nut and the inner surfaces of the sides of the post which meet to form the aforesaid corner, said filler piece providing a flat bearing for said nut and being provided with inclined side surfaces disposed in flat engagement with the inner surfaces of the side walls of the post which form said corner, said filler piece being also provided with apertures through which said studs extend.

2,297,024

DIARYLSULPHONE DERIVATIVES

Paul Pöhls and Fritz Mietzsch, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application May 17, 1939, Serial No. 274,228. In Germany May 20, 1938

10 Claims. (Cl. 260—397.6)

1. Bis-(para-carbamido-aryl)-sulphones in which the aryl radical is a benzene radical and in which the nitrogen atoms of the carbamide groups not linked with the aryl radicals are each mono-substituted by a radical rendering the products soluble in water which radical is selected from the group consisting of the radicals of aliphatic polyhydroxy compounds derived from sugars and of lower alkyl carboxylic and sulphonic acids and aromatic carboxylic, sulphonic and sulphinic acids of benzene and naphthalene, said products, in so far as they contain an acid group in the form of their alkali and alkaline earth metal-, ammonium- and amine-salts, are soluble in water with neutral reaction.

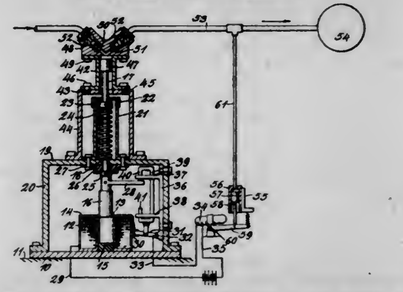
2,297,025

AIR PUMP

George W. Russell, Denver, Colo.

Application July 14, 1941, Serial No. 402,295

2 Claims. (Cl. 230—55)



1. An electrically operated pump comprising a base, a solenoid supported thereon, a member positioned above the solenoid, said member having a guide opening in axial alignment with the solenoid, a rod slidably mounted in the guide opening, a core on the lower end of the rod for movement into and out of the solenoid, a switch in series with the solenoid winding, means comprising a switch arm and a cooperating arm engaging member operatively connected with the core for opening the switch when the core is in attracted position within the solenoid and for closing it when the core is withdrawn from the

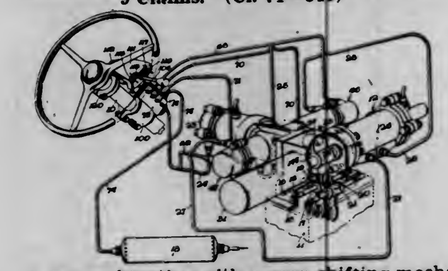
solenoid, a cantilever spring having one end clamped to the base and the other end pivotally connected with the upper end of the rod, the spring being biased to normally move the core upwardly and out of the solenoid, a pump support carried by the base and positioned above the spring, the pump having a stationary and a movable element, the stationary element being adjustably attached to the support, a connecting rod having its upper end attached to the movable pump element, and means for attaching the lower end of the connecting rod to the cantilever spring, said means being adjustable along the spring for varying the capacity of the pump per stroke.

2,297,026

GEAR SHIFTING MECHANISM

Roy S. Sanford, William J. Andres, and Frederick F. Rohrer, Jr., Pittsburgh, Pa., assignors to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware

Application April 20, 1939, Serial No. 268,982
9 Claims. (Cl. 74—346)



1. In combination with a gear-shifting mechanism having a plurality of elements movable to establish different gear relations, a member operable in one direction to select one of said elements and movable in another direction to move said selected element, fluid pressure means to operate said member in said one direction, a fluid motor to operate said member in said other direction, and means for controlling the fluid pressure energization of said fluid pressure means and motor comprising manually-operable valve mechanism including a plurality of selectively operable valves, means connecting said valves to said fluid pressure means, means including a pair of valve devices operable by operation of said fluid pressure means to connect a portion of said valves and fluid motor, and means including said pair of valve devices for connecting said fluid motor and another portion of said valves when said fluid pressure means is deenergized.

2,297,027

SHOE

Frank Sbicca, Philadelphia, Pa.

Application June 10, 1941, Serial No. 397,373
1 Claim. (Cl. 36—57)



A shoe construction comprising an upper, a lining for said upper, said upper and lining having free edges which are flush and contiguous, a binding stitched to said upper with an edge flush with the edges of said upper and lining, said binding being turned over all of said edges to provide a flap contiguous with said lining, a braid bridging the edge of said flap, and stitching penetrating said braid, flap, lining and upper above the edge of said flap, and said braid, lining and upper below the edge of said flap.

2,297,028

KNITTED FABRIC AND ARTICLE OF WEARING APPAREL

William E. Sheeler, Spring Township, Berks County, Pa., assignor to Berkshire Knitting Mills, Wyomissing, Pa., a corporation of Pennsylvania

Application November 13, 1939, Serial No. 304,007
11 Claims. (Cl. 66—172)



2. A knit fabric section entirely of elastic yarn in which the sinker loops of one course are free of motion preventing contact with the needle loops of the course next the one with which said sinker loops directly interengage when the fabric is free from external tension, said yarn being of the Lastex type and having a diameter not in excess of 0.0105 inch in the unstretched condition.

2,297,029

WHIPSTOCKING SLEEVE FOR DRILLABLE LINERS

Vernon V. Shepherd and Orlo R. Peugh, Long Beach, Calif., assignors to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware

Application January 2, 1940, Serial No. 312,010
2 Claims. (Cl. 255—1.6)



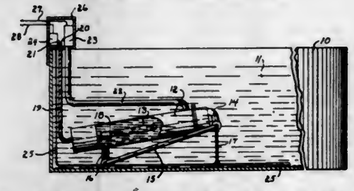
1. A combination with a drillable liner, of: a sleeve formed of relatively non-drillable material surrounding said liner, said sleeve having a beveled deflecting side.

2,297,030

ELECTRICALLY OPERATED TANK HEATER

Elmer L. Snyder, Spencer, Iowa

Application December 16, 1940, Serial No. 370,275
8 Claims. (Cl. 219—38)



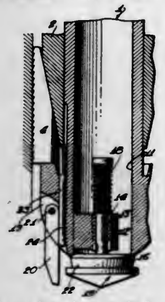
1. In a device of the class described, a tube member, a self-circulating radiating system in communication with said tube member; said radiating system and said tube designed to be immersed in a water tank, an electrically operated heating unit inside said tube member for heating said tube and said radiating system, a means for connecting said heating unit to a source of electrical energy, a thermostatic switch imposed in one of the electric lead lines between said heating element and said source of electrical energy, and a capillary tube having one end in operative communication with said thermostatic switch and its other end designed to be immersed in the water of a watering tank at a point distant from said tube and said radiating system.

2,297,031

CIRCULATION VALVE FOR CEMENT RETAINERS

Lloyd Spencer, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware

Application March 23, 1940, Serial No. 325,618
2 Claims. (Cl. 166—12)



1. In a well tool having a tubular mandrel and slip, cone and packing means mounted thereon for securing and sealing said mandrel within a well casing, the combination of: a valve normally closing the lower end of said tubular mandrel; a lever hinged to the outer side of said mandrel and engageable with the exposed side of said valve to hold said valve open; and means arranged along the outer side of said mandrel and engageable by a member of said slip, cone and packing means to urge said lever free of said valve.

2,297,032

ACCORDION

Leroy Ragnwald Stahl, Duluth, Minn.

Application September 15, 1941, Serial No. 410,825
5 Claims. (Cl. 84—376)

1. In a piano accordion having a treble action and a chamber therefor, a support for the reed blocks of said accordion, tone control slides for said reed blocks, a shift key, and means comprising a mechanical linkage between said shift key and said slides and including a shaft transversely mounted within said chamber over said reed



blocks, depending rods fixed at one end to said shaft and attached at their other ends to said slides, to optionally move said slides, for controlling the volume of air and sound transmissable through said reed blocks.

2,297,033

LUMINESCENT COMPOSITION

Paul Stahr, Long Beach, N. Y., assignor of fifty per cent to Albert E. Schwartz, New York, N. Y.

No Drawing. Application October 1, 1941, Serial No. 413,193
9 Claims. (Cl. 250—81)

1. A composition for artistic painting comprising a starch-like material which is non-crystalline and has a substantially pure white opaqueness, an amount of water intimately mixed therewith sufficient to provide a fluid composition adapted for spreading to give artistic effects, and a dye in an amount which is less than 1% relative to said material, the latter being an activator for said dye to cause the same to fluoresce under ultraviolet light projected onto said painting.

2,297,034

PROCESS OF CRYSTALLIZING UREA

Anton Strzyzewski and Hans Joachim Froehlich, Leuna, Germany; vested in the Alien Property Custodian

No Drawing. Application August 3, 1939, Serial No. 288,140. In Germany August 27, 1938
3 Claims. (Cl. 260—555)

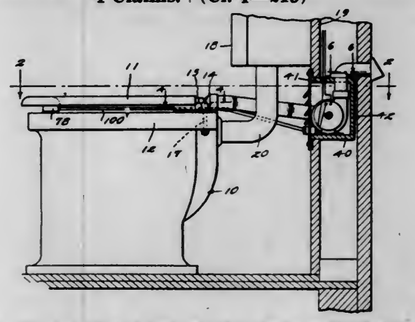
1. A process for the production of practically pure urea which comprises crystallizing the urea from a solution consisting of urea, water and ammonium chloride, substantially saturated with urea and ammonium chloride at the crystallizing temperature and maintaining the ammonium chloride content of said solution substantially constant during crystallization.

2,297,035

AUTOMATIC TOILET BOWL VENTILATING SYSTEM

Frank Svec, La Crosse, Wis.

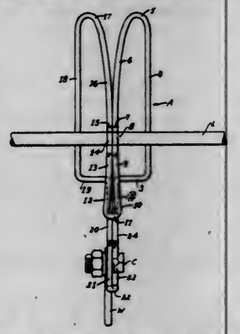
Application March 21, 1941, Serial No. 384,554
4 Claims. (Cl. 4—213)



1. In a toilet bowl of the type embodying a

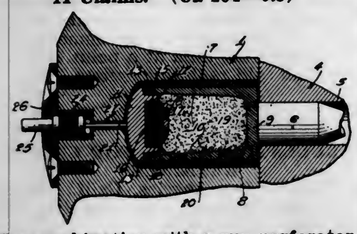
bowl and a seat, a bowl ventilating means comprising a soundproof housing disposed adjacent to the rear of said bowl, a suction fan in said housing, an electric motor connected to said fan and disposed in said housing, a forwardly directed horizontally disposed tapered suction nozzle having a suction chamber at its rear formed with a rearwardly directed outlet nipple, means mounting said nozzle between the toilet seat and the upper portion of the bowl, a pipe connecting said nipple with the suction side of said fan, a yieldable coupling interposed between said pipe and said fan for absorbing the vibrations of said fan, an outlet pipe extending from said housing, a second yieldable coupling connecting said outlet pipe with the outlet side of said fan for absorbing the vibrations of said fan, said outlet pipe comprising a vertical pipe section, a flange carried by the upper end of said vertical pipe section, engageable with the upper side of said housing, a channelled coupling means carried by said flange, an upper horizontal pipe section including a downwardly directed rear part, a horizontal flange carried by said rear part engageable in said channelled coupling means, a downwardly directed outlet hood carried by the outer end of said upper pipe section, a pair of spaced gravity closing check valves correlated with said outlet pipe, and a normally open switch fixed to the seat and connected to said motor for closing the electric circuit to said motor when a weight is disposed on said seat.

2,297,036
WIRE CLAMP
Oscar F. Tallman, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application April 21, 1941, Serial No. 389,531
2 Claims. (Cl. 173—273)



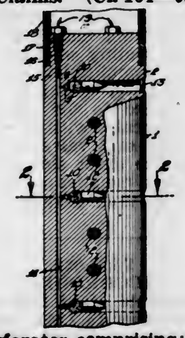
2. A clamp formed from a single length of resilient material shaped to provide spaced, substantially parallel, vertical portions, inwardly curved and rearwardly converging portions located entirely at the upper end of the clamp and extended from said spaced portions at the upper ends thereof, said inwardly curved and rearwardly converging portions each describing a portion only of a complete circle and said portions being subjected to a spreading action when the clamp is stressed in use, oppositely curved portions extended downwardly from said inwardly curved and rearwardly converging portions which are joined at their lower ends, the upper portions of said downwardly extended portions being disposed rearwardly of said spaced portions and the lower portions thereof being disposed forwardly of said spaced portions, gripping portions formed in said downwardly extended portions which join the upper rearwardly disposed portions thereof with the lower, forwardly disposed portions of said downwardly extended portions, substantially horizontal portions extended from the upper, rearwardly disposed portions of said downwardly extended portions to said gripping portions and adapted for movement between said spaced portions, said gripping portions being adapted to engage an element by which the clamp is supported so that said element is gripped between said gripping portions and said spaced portions, and portions extended from said spaced portions which are shaped to provide the clamp with an eye portion at its lower end, said downwardly extended portions being in contact with each other at the locations of said gripping portions and said substantially horizontal portion.

2,297,037
GUN PERFORATOR CARTRIDGE
George F. Turechek, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application February 14, 1941, Serial No. 378,904
11 Claims. (Cl. 164—0.5)



1. The combination with a gun perforator having a cartridge socket, of a cartridge comprising: a metal case containing an explosive and including an integral part adapted to be ruptured by said explosive; and a blanket of yieldable material interposed between said cartridge and the walls of said socket to facilitate removal of said case after discharge of the explosive.

2,297,038
GUN PERFORATOR
George F. Turechek, Los Angeles, and Welton G. Wellington, San Gabriel, Calif., assignors to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application February 25, 1941, Serial No. 380,434
15 Claims. (Cl. 164—0.5)

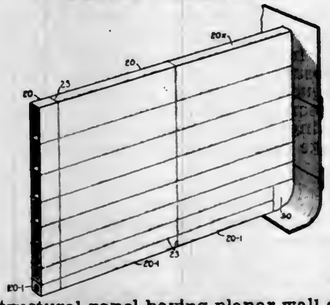


1. A gun perforator comprising: a plurality of gun units, each having a gun bore, a cartridge chamber and a firing pin socket; a bullet, cartridge, percussion cap and firing pin for each gun unit; a gun body incorporating said gun units and having a bore intersecting said firing pin sockets; and explosively operated means adapted to travel along said gun body bore for actuating said firing pins in sequence.

2,297,039
REACTION OF NONCONJUGATED OLEFINIC COMPOUNDS WITH α-β-UNSATURATED CARBONYLIC COMPOUNDS
Johannes Andreas van Melsen, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 20, 1939, Serial No. 263,056. In the Netherlands March 26, 1938
14 Claims. (Cl. 260—537)

1. A process for the production of valuable 3,4-addition products which comprises reacting a mono-olefinic hydrocarbon with an unsaturated compound selected from the group consisting of maleic acid, maleic acid anhydride and fumaric acid at a temperature between 100° C. and 250° C. in the presence of an effective amount of a finely divided catalytically active material selected from the group consisting of iron, copper, cobalt, nickel, lead, tin, manganese, chromium, thallium, vanadium, zinc, cadmium and bismuth, and oxides and non-acidic carboxylic acid salts thereof.

2,297,040
STRUCTURAL UNIT
Samuel Weening, Tottenville, N. Y.
Application March 19, 1940, Serial No. 324,889
1 Claim. (Cl. 189—34)



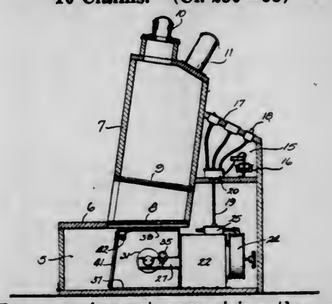
A structural panel having planar wall surfaces, comprising the combination with a plurality of courses of wholly integral tubular bodies having planar walls, said tubular bodies being characterized by uniform depth but having a wall thickness according to the distribution of loading on the panel, said courses of bodies being positioned in wall to wall abutting relation and interconnected at the lines of abutment, of internal diaphragm means having a web disposed transversely of such bodies and flanges in engagement with the inner walls thereof, said diaphragm means being secured to said bodies and to the diaphragm means of adjacent courses of bodies.

2,297,041
GUN PERFORATOR
Welton G. Wellington, San Gabriel, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application February 19, 1941, Serial No. 379,651
12 Claims. (Cl. 164—0.5)

1. A gun perforator unit comprising: a body block having a breech socket, a gun bore continuing therefrom, and at least one cartridge chamber also continuing therefrom along the side of said gun bore; a bullet for said gun bore; an expansion-delay disk connected with said bullet and overlying the breech end of said gun bore; a breech block closing said breech socket and including a stop means for limiting said bullet against inward movement; and a cartridge for said cartridge chamber.

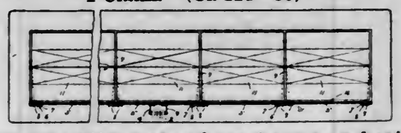


2,297,042
X-RAY EQUIPMENT
Lionel E. Weyenberg, Milwaukee, Wis., assignor to X-Ray Shoe Fitter, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application August 2, 1940, Serial No. 349,691
10 Claims. (Cl. 250—53)



1. X-ray equipment comprising the combination with a transformer, of tubular bracket means projecting laterally from the transformer, each of the tubular bracket means having a transverse notch in its upper peripheral portion, an X-ray tube resting in the notches of the tubular bracket means, and electrical connections extending in part through the tubular bracket means between the tube and the transformer.

2,297,043
DUMP SCOW
Frank R. Zimmerman, Duluth, Minn., assignor to Superior Iron Works Company, Superior, Wis.
Application November 6, 1939, Serial No. 303,065
1 Claim. (Cl. 114—36)



Door operating means for a dump scow having

a plurality of hoppers therein surrounded by an upstanding coaming and a pair of hinged doors at the bottom of each hopper, comprising door operating means for the doors of each hopper, mounted upon one side of said coaming, two axially alined power transmitting shafts, disposed beneath said door operating means longitudinally of said scow and adjacent said coaming, means below each of said door operating means, carried by said alined shafts, for selective transmission of power therefrom to said door operating means, and a power unit within said scow below the meeting ends of said shafts, and individual means connecting the meeting ends of each shaft with said power unit for imparting uniform rockable motion simultaneously to both shafts.

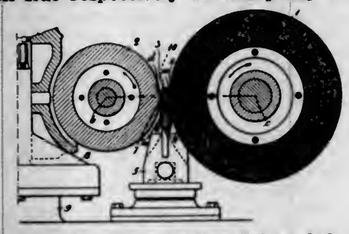
2,297,044
BOTTOM HOLE CHOKE
Ernest L. Barker and Charles P. Gillespie, Houston, Tex.
Application March 14, 1939, Serial No. 261,732
15 Claims. (Cl. 166—2)



1. In combination with a choke adapted to be lowered into a well to control flow at a point below the upper end thereof, a choke holder, means on said choke holder for preventing upflow from said well about said choke holder, said choke holder having a passageway for by-passing fluid past said choke through the interior of said holder while said choke and choke holder are being lowered into a well, means for closing said by-pass passageway when said choke reaches a predetermined point in the well, and means for latching said choke holder against upward movement from the well.

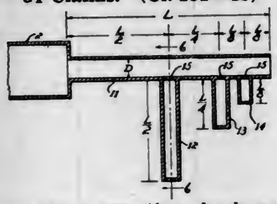
2,297,045
CENTERLESS GRINDING MACHINE
John Erik Bergström, Halmstad, Sweden
Application June 25, 1940, Serial No. 342,348
In Sweden June 16, 1939
4 Claims. (Cl. 51—103)

1. In a centerless grinding machine having a grinding disk and a counter pressure roller movable relatively toward and from each other by hydraulically controlled means including a slide carrying said counter pressure roller, a single cylinder, a piston on a piston rod within said cylinder, a set of two rigidly connected rotary valves operating in one and the same housing connected with a pump for a hydraulic pressure medium and with said cylinder in such a way that said two rotary valves are adapted alternately to bring the cylinder spaces on both sides of said piston in connection with the pressure and the suction side respectively of said pump in order



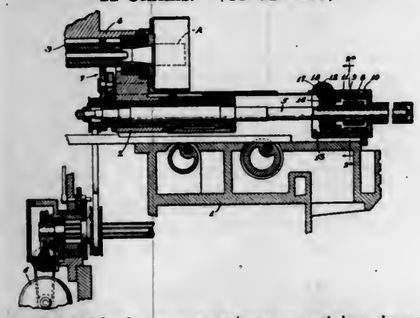
thus to approach the grinding disk and the counter pressure roller to each other and to remove them from each other respectively.

2,297,046
MEANS FOR PREVENTING SHOCK EXCITATION OF ACOUSTIC CONDUITS OR CHAMBERS
Roland B. Bourne, West Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application August 25, 1939, Serial No. 291,820
34 Claims. (Cl. 181—48)



3. A device for preventing shock excitation of an acoustic enclosure comprising at least one resonator individually acoustically coupled to said enclosure at a natural pressure anti-node for a frequency equal to a resonant frequency of said resonator, the conductivity of said coupling having a value between 3% and 20% of the average diameter of said enclosure.

2,297,047
BACKLASH COMPENSATOR
Guenther Brinkmann, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application March 3, 1941, Serial No. 381,443
11 Claims. (Cl. 74—409)

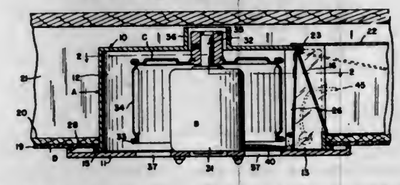


1. A backlash compensator comprising, in combination with a rotary axially movable screw element and means for reversibly rotating said element, an axially stationary screw threaded element in threaded engagement with said first mentioned element, and means for automatically rotating said last mentioned element a predetermined extent upon reversal of rotation of said first mentioned element.

2,297,048
LUMINESCENT COATING
Leslie Frederic Britten, Bushey Heath, Henry Grainger Jenkins, Pinner, and Alfred Hamilton McKeag, North Wembley, England, assignors to General Electric Company, a corporation of New York
No Drawing. Application March 24, 1941, Serial No. 385,006. In Great Britain March 12, 1940
7 Claims. (Cl. 250—81)

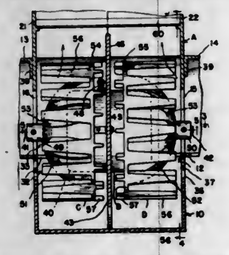
1. The process of coating a vitreous surface with powdered luminescent material which includes the steps of coating said surface with a suspension of the luminescent material in a solution of polymerized alkyl alkacrylate and thereafter heating the coating so formed to a temperature at which said alkyl alkacrylate is dispersed.

2,297,049
BLOWER STRUCTURE
Robert E. Cotton, St. Clair Shores, and Mario C. Tata, Detroit, Mich.
Application June 12, 1941, Serial No. 397,778
8 Claims. (Cl. 230—117)



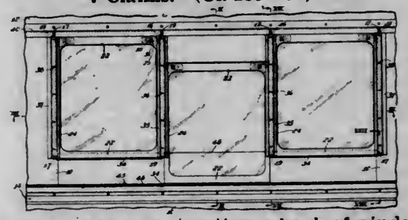
3. A blower structure having a two-part housing, one part having two chambers, the other part being a cover plate for both chambers and detachably secured to the first mentioned part.

2,297,050
BLOWER STRUCTURE
Robert E. Cotton, St. Clair Shores, and Mario C. Tata, Detroit, Mich.
Application June 12, 1941, Serial No. 397,779
9 Claims. (Cl. 230—117)



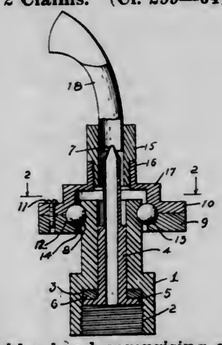
3. A blower structure comprising an electric motor having drive shaft portions at opposite ends thereof, and fans having hubs mounted on said shaft portions and having oppositely disposed cup-shaped portions opening toward and cooperating with each other to form a housing or enclosure for the motor, said cup-shaped portions being provided at their inner free edges with outwardly projecting annular flanges disposed in substantially parallel relation to each other and provided between said hubs and flanges with openings through which air may flow to cool the motor, and oppositely extending blades projecting laterally from opposite sides of said annular flanges at spaced points circumferentially thereof and disposed in circles substantially concentric with the shaft portions of the motor, the blades on the outer sides of said flanges being relatively long and overlying the cup-shaped portions throughout substantially the length thereof, the blades on the inner sides of said flanges being relatively short and operable to draw air through the openings in said cup-shaped portions to cool the motor.

2,297,051
WINDOW AND CAR CONSTRUCTION
Milo M. Dean, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 6, 1940, Serial No. 339,108
7 Claims. (Cl. 189—72)



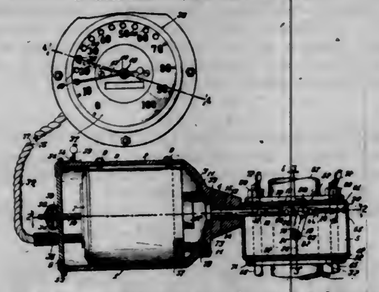
1. In a vehicle construction, a bank of windows comprising a plurality of adjacent individual window sashes, a window sill extending the entire length of said bank of windows, dividers between adjacent window sashes, end guides at the remote edges of the end sashes, the inner faces of said dividers and end guides and the outer face of said sill being substantially co-planar, and said sill extending inwardly an uninterrupted uniform width over its entire length as measured from the plane of said end guides and dividers.

2,297,052
SPRINKLER HEAD
Francesco Ferrando and Giuseppe Ferrando, Menlo Park, Calif.
Application April 23, 1941, Serial No. 389,929
2 Claims. (Cl. 299—64)



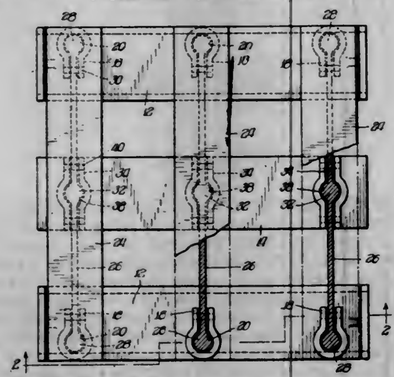
1. A sprinkler head comprising a tubular base member having a coupling portion on one end and a nozzle member disposed axially therein to extend beyond its other end, and having a bearing race formed in its outer surface adjacent the latter end, anti-friction bearings disposed in said race, a member disposed to encompass the last named end of the base member and having a raceway formed therein to receive said anti-friction bearings, and a liquid diffusing vane mounted on the last named member in operative relation with the nozzle member.

2,297,053
SPEEDOMETER CONTROLLED SPEED GOVERNOR
Sollie Florio, Chicago, Ill.
Application March 22, 1941, Serial No. 384,649
3 Claims. (Cl. 137—140)



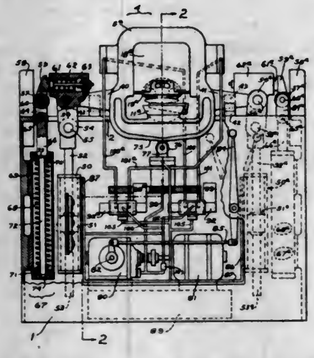
1. A speed-limiting control means for an engine having an intake suction line, said control means comprising a unitary structure having a portion formed with a passage and constructed so as to be insertable in and form a part of the suction line and a second portion forming a motor chamber, a valve in said passage, a valve spindle connected to said valve and extending from said first body portion, linkage operatively connected to said spindle, means cooperating with said first body portion to form a closed chamber enclosing said linkage, a third body portion extending between said first body portion and said second body portion, said third body portion having a duct therethrough so related to said closed chamber and said motor chamber that any leakage of gas to said closed chamber from around the spindle may pass through the duct into said motor chamber, a motor in said motor chamber, an operating rod slidable in said duct and operatively connecting said linkage with the motor, and means including said rod substantially closing said duct against flow of fluid through said duct to said motor chamber.

2,297,054
FLEXIBLE TRAY
Charles K. Garrison, Chicago, Ill., assignor to Chicago, Steel Foundry Company, Chicago, Ill., a corporation of Maine
Application March 15, 1941, Serial No. 383,615
7 Claims. (Cl. 263—47)



1. A flexible tray, including spaced supporting members, a plurality of pairs of oppositely disposed upstanding arcuate receiving members on said supporting members, a plurality of cross members extending between said supporting members, said cross members having enlargements insertable in said receiving members for relative movement with respect to each other, and means for holding said enlargements within said receiving members.

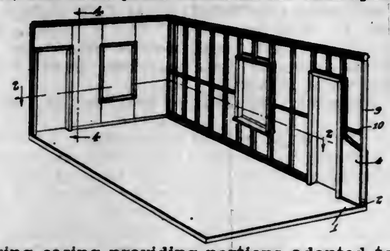
2,297,055
TWISTING MACHINE
Adolf R. Grad, Wauwatosa, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 29, 1940, Serial No. 332,162
18 Claims. (Cl. 153—78)



15. In a machine for twisting a work piece, the combination of a clamp frame, a work support carried by said frame upon the inside thereof, a ram guided by said frame for movement toward and from said work support and having a substantially cylindrical recess formed in the end thereof facing said work support, a gripper carried by said ram and having one side thereof cylindrical and fitted in said recess and substantially semi-spherical sockets arranged in the opposite side thereof, a substantially spherical contact member fitted in each of said sockets and having a contact face to engage said work piece, means for retaining said contact members in said sockets, said gripper being adjustable in said recess to adjust said contact members to said work piece, a wedge fitted between the other end of said ram and the inner face of said frame opposite said work support, means for advancing said wedge to thereby advance said ram and cause it to clamp said work piece between said contact members and said work support, means for retracting said wedge, and tongue and groove connections connecting said wedge to said frame and to said ram so that retraction of said wedge causes said ram to be retracted and release said work piece.

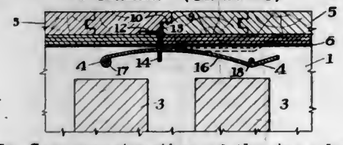
2,297,056
BUILDING STRUCTURE AND WALL
Hugh Gunnison, Altadena, Calif.
Application February 14, 1939, Serial No. 256,305
8 Claims. (Cl. 20—4)

1. A wall structure comprising bottom and top rail members, facing members for the wall interfitting with said rail members to provide flush surfaces therewith, studs between said rail members, the studs contiguous to wall openings being shaped to provide the vertical jambs and casements for said openings and provided with facing supporting bearing surfaces at their upper ends, and head jamb members for said openings



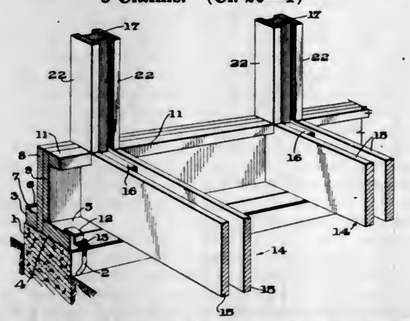
having casing providing portions adapted to interfit with said latter stud members.

2,297,057
PREFORMED FLOOR CONSTRUCTION FOR BUILDINGS
Henry Hasenburger, Newark, N. J., and Harvey Wiley Corbett, New York, N. Y., assignors to Prebilt Housing Corporation, New York, N. Y., a corporation of Ohio
Application June 18, 1940, Serial No. 341,146
6 Claims. (Cl. 20—8)



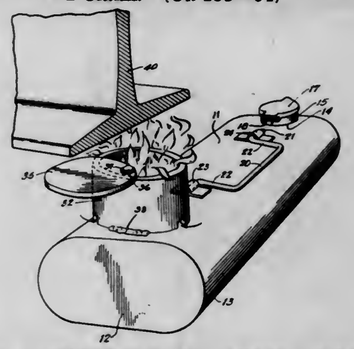
1. In floor construction of the type having a plurality of panels provided with lapped edges, means for securing said panels to a supporting frame comprising an angle clip, the side edge of the overlapping panel being slotted to receive one flange of said angle clip, the other flange extending downwardly and being provided with an opening, a spring strip extending through the opening in said clip, and means carried by the supporting frame for anchoring the ends of said strip.

2,297,058
BUILDING FRAMEWORK
Henry Hasenburger, Newark, N. J., and Harvey Wiley Corbett, New York, N. Y., assignors to PHC Housing Corporation, New York, N. Y., a corporation of Ohio
Application August 22, 1941, Serial No. 407,863
5 Claims. (Cl. 20—1)



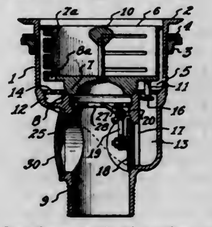
1. In a building, a frame structure comprising a sill girt having longitudinally spaced recesses formed therein, joist members positioned with the ends thereof abutting said sill girth in registration with said recesses, said joists having end recesses to cooperate with the recesses in said sill to form sockets, stud means disposed in vertical order at the points of engagement of said joists and sill, tenon means projecting from said stud means into said sockets, and securing means extending through said sill, said tenon means and into said joists to retain said members in assembled relationship.

2,297,059
RAILWAY SWITCH HEATER
Theodore J. Hegeman, Aurora, Ill.
Application May 8, 1941, Serial No. 392,583
1 Claim. (Cl. 158—94)



In a portable heater for railway tracks and the like, a liquid fuel container comprising a generally oval tubular metal member having substantially flat upper and lower walls, and a pair of end walls fitted and welded, one to each end of said tubular member, said upper wall having a filling opening adjacent one end of said upper wall, a filling spout comprising a meal tube welded in said filling aperture and having a cover on the outer end of said tube, and a burner head comprising a metal tube welded to said upper wall and having a plurality of notches in its end adjacent said upper wall forming air inlets, said upper wall having a wick aperture located in said burner head, and a wick in said wick aperture, and depending into said container for engagement with liquid fuel therein, and a burner head cover comprising a metal plate adapted to cover the end of the burner head, said plate being pivotally mounted on an axially projecting headed pin carried by the wall of said head, and resilient means between the head of said pin and the cover to urge the cover into better closure with the end of said burner head.

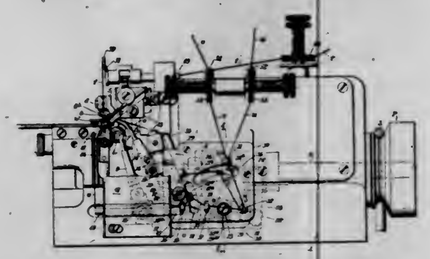
2,297,060
DRAIN FIXTURE
Cashley A. Henry, Cincinnati, Ohio
Application March 19, 1941, Serial No. 384,048
4 Claims. (Cl. 4—287)



1. In a sink having a drain pipe, a manually

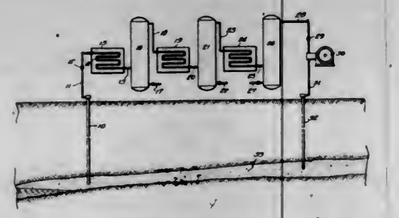
operated valve seating in the end of said drain pipe, a passageway leading from said sink to the side of said pipe, an aperture in the side of said pipe adjacent said passageway, a valve located within said pipe seating in and closing said aperture, said valve being urged against said seat by gravity.

2,297,061
THREAD-CONTROLLING MECHANISM FOR OVEREDGE SEWING MACHINES
Nicholaus Knaus, Newark, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 17, 1941, Serial No. 388,968
10 Claims. (Cl. 112—162)



1. A sewing machine having an endwise reciprocatory needle, an under looper and an overedge looper each carrying a thread, a pair of rock-shafts each connected to actuate a respective one of said loopers, a pair of take-up arms secured to and actuated by one of said rock-shafts, one of said take-up arms acting on both of said looper-threads and the other acting on only one of said threads, means to effect relative angular adjustment between said take-up arms to vary their actions on the threads, and means to guide said looper-threads to positions within the range of action of said take-up arms.

2,297,062
SEPARATION OF OIL FROM GAS
Ralph H. McKee, New York, N. Y.
Application May 23, 1938, Serial No. 209,633
2 Claims. (Cl. 62—175.5)

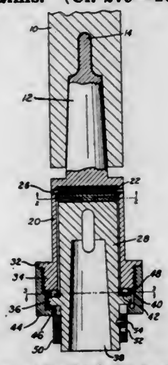


1. In a method of treating a mixture of petroleum and a gas, which is predominantly a hydrocarbon, which mixture is under a pressure in excess of 3,000 pounds per square inch and at a temperature in excess of 160° F., the improvement for separating the oil from said mixture without substantial reduction of said pressure which comprises lowering the temperature of said mixture to in the neighborhood of —70° F. to convert components of said oil from the gaseous phase to the liquid phase, and separating the resulting liquefied components from the accompanying gas.

2,297,063
STABILIZED MINERAL MATTER AND METHOD OF PREPARING THE SAME
Claude L. McKesson and Vilas E. Watts, San Francisco, Calif., assignors to American Bitumuls Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 10, 1936, Serial No. 63,274
20 Claims. (Cl. 106—160)

9. The method of stabilizing soil mixtures containing colloidal matter having natural cementitious properties in proportions sufficient to produce structural strength when dry, which comprises plasticizing said soil mixture with water to separate the colloidal particles which tend to adhere to each other, surrounding the separated particles with water containing dispersed bitumen, precipitating the dispersed bitumen on said separated colloidal particles to coat the particles with an extremely thin adsorbed film of bitumen capable of inhibiting reabsorption of water by said colloidal matter after once drying, and maintaining the interstices of said soil mixture substantially free of unadsorbed bitumen whereby the colloidal matter functions as a binder and the composition when dry is substantially non-thermoplastic and non-hydroplastic.

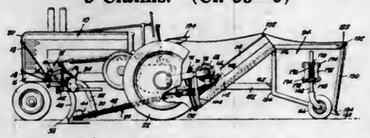
2,297,064
FLOATING TOOLHOLDER
William McKinley, Moline, Ill.
Application September 29, 1941, Serial No. 412,809
6 Claims. (Cl. 279—16)



1. A tool holder adapted to engage the usual machine spindle, comprising: a hollow cylindrical housing; a member having a cross shaped projection non-rotatably engaged to and positioned within the said hollow cylindrical housing; a tool holding member having a cross shaped slot adapted to fit loosely within the said cylindrical housing and loosely engage the said member having a cross shaped projection; an outwardly extending annular flange on the said tool holding member; a ball bearing unit annularly positioned around the said tool holding member and resting on the outwardly extending annular flange; a cap nut threadedly engaging the cylindrical housing and engaging the underside of said outwardly extending annular flange; the said cap nut having a bore through which the lower end of the tool holding member extends; a sleeve telescoping the lower end of said tool holding member; the said sleeve having a slot therein; a pin fixedly attached to the said tool holding member, and loosely positioned through the slot in the said sleeve, whereby the said sleeve is permitted vertical upward movement into the bore

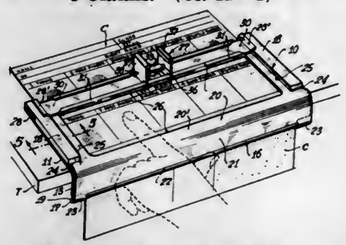
of the said cap nut; means for holding the said sleeve in an upward position, whereupon lateral movement of the tool holding member is prevented.

2,297,065
PEANUT HARVESTER
Carlton G. McLendon, Dawson, Ga.
Application August 8, 1941, Serial No. 406,043
5 Claims. (Cl. 55—9)



1. In combination with a tractor having rigs and a power take-off shaft, a second shaft rotatably mounted on the tractor transversely thereof and operatively connected with said power take-off shaft, two endless conveyors extending longitudinally of the tractor on opposite sides thereof and respectively supported at their forward ends by said rigs, plows supported on said rigs in advance of the respective conveyors, the rear ends of said conveyors being floatingly supported on said second shaft, operating connections between said second shaft and said conveyors, a dump hopper connected with the tractor rearwardly of said conveyors, and elevators located between said conveyors and the dump hopper and operatively connected with said second shaft.

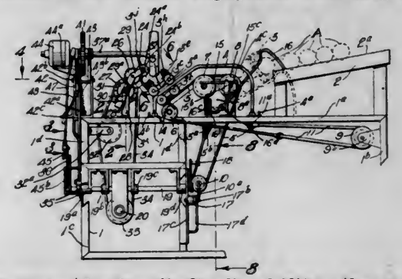
2,297,066
FINGERPRINT CARDHOLDER
Jacob M. Miller, Chicago, Ill.
Application January 12, 1942, Serial No. 426,375
3 Claims. (Cl. 41—4)



1. In a fingerprint record card holder, a base member, a pair of guide rails arranged on said base to provide a rectangular field on said base, a frame member having an apertured face adapted to be positioned in spaced relation with respect to said base, means hingedly connecting said frame to said base along one marginal edge thereof and latch means for said frame and base, said latch means including a pair of reciprocable bolt members arranged for sliding movement relative to said frame, and keeper means formed in said guide rails adapted to receive said reciprocable bolt members.

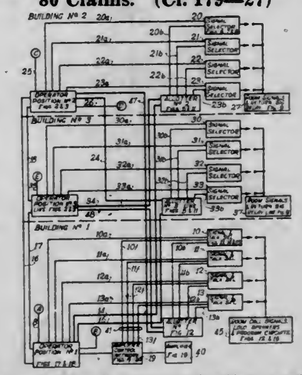
2,297,067
EGG CLEANING MACHINE
Conrad J. Morgan, National City, Calif.
Application February 4, 1941, Serial No. 377,326
18 Claims. (Cl. 146—198)

1. In an egg cleaning machine of the class described, the combination of an egg carriage, spaced egg retaining idler rollers on said carriage arranged to support an egg therebetween, a separate revolubly operated egg turning roller arranged to engage said egg at its opposite side and revolve said egg on said egg retaining rollers, revoluble brush means engageable with said egg



and means for longitudinally shifting the same over the outer surface of said egg, and track means arranged to support said egg carriage and means for shifting said egg carriage on said track means.

2,297,068
SIGNALING SYSTEM
Kurt Mullerheim, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 31, 1941, Serial No. 396,110
80 Claims. (Cl. 179—27)

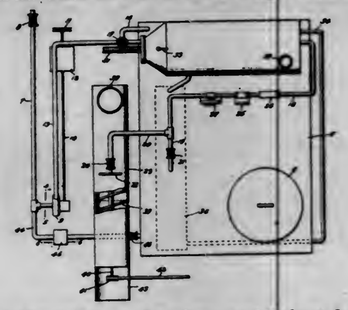


1. In a combined communication and selective call system, a plurality of stations each including a signal, a pair of operator positions, and a selector controllable from either of said operator positions selectively to control the signals at said stations and controllable from only one of said operator positions to set up a communication connection between said one operator position and any selected one of said stations.

2,297,069
APPARATUS FOR MIXING VISCOUS MATERIAL WITH STOCK FEED
Robert A. Nelson, Burley, Idaho
Application December 2, 1941, Serial No. 421,391
2 Claims. (Cl. 257—241)

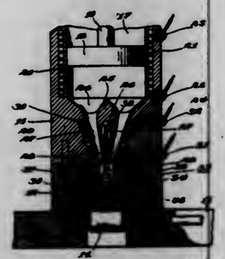
1. A heating system for heating liquid for a mixing apparatus and comprising a liquid feed pipe leading from a source of supply to the mixing apparatus, an outer heating chamber surrounding a portion of the feed pipe, a hot air supply pipe connected to the outer chamber, a storage tank, an inner heating chamber in the storage tank, an exhaust pipe leading from the outer chamber to the inner chamber, branch pipes

leading from the liquid feed pipe to the storage tank in advance of the outer heating chamber and



beyond the heating chamber, and valves for said pipes.

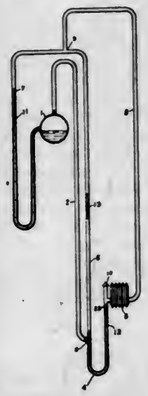
2,297,070
SLIDE FASTENER MANUFACTURE
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application December 13, 1939, Serial No. 309,015
7 Claims. (Cl. 18—30)



1. In a method of manufacturing slide fastener stringers by injection molding, the steps comprising enclosing one edge portion of a stringer tape in a mold cavity opening through a mold wall and of form complementary to the form of an interocking fastener member having a head portion and tape engaging leg portions extending rearwardly from said head portion, said mold being open only at those portions corresponding with the rear surfaces of the leg portions of the fastener member, and supplying fastener member forming material through said mold cavity openings in said mold wall toward the enclosed tape edge to fill the mold cavity.

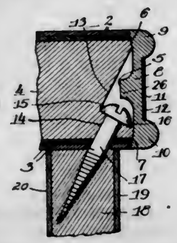
6. In apparatus for forming interlocking fastener members directly upon slide fastener stringer tapes by injection molding, means defining at least one pair of laterally spaced converging frusto-conical fastener member forming material delivery leads and an intermediate longitudinal stringer tape guide channel, associated heating coil means for controlling the temperature of the material in said delivery leads, means for supplying fastener member forming material under pressure to said delivery leads, and longitudinally movable die means having a longitudinal stringer tape edge receiving channel communicating with said tape guide channel and complementary therewith to enclose a stringer tape, said die having spaced die cavities extending from said tape edge receiving channel inwardly of said die, said die cavities being complementary with the form of interlocking fastener members to be formed and having fastener member forming material receiving gates at each side of said tape edge receiving channel, said gates and said channel extending through the same die wall and and communicating progressively with said delivery leads upon movement of said die for receiving material therefrom under pressure for filling said cavities and forming spaced interlocking fastener members directly upon fastener stringer tapes in said channel.

2,297,071
STEAM HEATING APPARATUS
Rudolph B. Prentice, Portland, Oreg.
Application July 29, 1938, Serial No. 221,961
25 Claims. (Cl. 237—67)



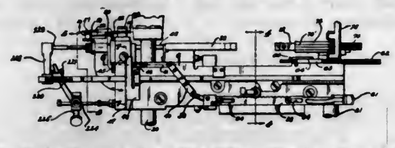
7. A steam heating system comprising, a steam boiler, radiators, a U-tube connected at one end to said boiler, a second U-tube connected at one end to receive the condensate from said radiators, a riser connecting the remaining ends of said U-tubes, a steam pipe connected to said boiler and to said second U-tube below the lower end of said riser at a place below the level of the accumulated condensate in the opposite leg thereof, and a steam pipe connecting the upper portion of said riser to said radiators.

2,297,072
BANDING FOR TOPS OF DESKS AND OTHER FURNITURE
Maynard H. Raggio, Chicago, Ill.
Application January 15, 1941, Serial No. 374,526
8 Claims. (Cl. 311—107)



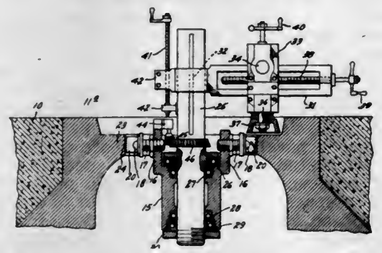
1. A desk top having a protecting banding extending therearound at the edge, and a strap under longitudinal tension extending lengthwise around the banding, said strap having its ends secured together.

2,297,073
SLUG CASTING MACHINE QUADDING AND CENTERING DEVICE
Harry D. Reese and Charles S. Edwards, Detroit, Mich.
Application August 26, 1940, Serial No. 354,236
7 Claims. (Cl. 199—50)



1. A device of the class described, comprising, a pair of type-clamping jaws movable toward and away from each other; means for securing one of said jaws in stationary position; a rockable mechanism for rocking the other of said jaws toward said stationary jaw; a spring normally tending to rock said rockable member in one direction for moving said movable jaw toward said stationary jaw; releasable securing mechanism for securing said movable jaw against movement; a toggle associated with said rockable mechanism; and a lever for rocking said toggle and adapted for engagement with a rockable lever for rocking said toggle for moving said movable jaw away from said stationary jaw.

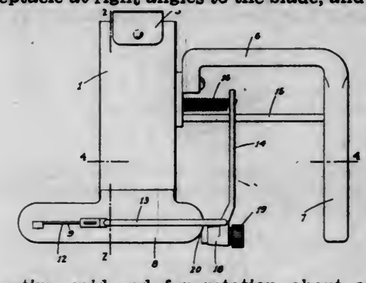
2,297,074
MANHOLE GRINDING MACHINE
Allen C. Rohrdanz, Detroit, Mich.
Application March 17, 1941, Serial No. 383,768
5 Claims. (Cl. 51—241)



3. In a device for grinding the cover seat of a manhole frame in the ground, a spider positioned within the manhole frame, chuck jaws mounted on said spider and arranged to engage the manhole frame below the seat thereof to secure said support rigidly to the frame, a vertical shaft rotatably mounted in said spider and projecting externally of the manhole frame, a laterally extending arm adjustably mounted on and rotatable with said shaft, a grinding tool adjustably mounted on said arm, a motor for rotating said shaft and mounted on said spider, and manual means for raising and lowering said arm to cause the tool to traverse the interior seat surface of the frame.

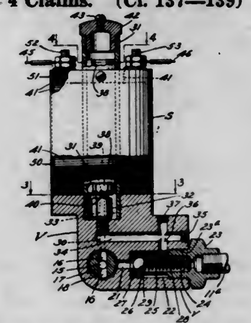
2,297,075
DISPENSER
David V. Rowland, Sacramento, Calif.
Application February 28, 1941, Serial No. 381,007
7 Claims. (Cl. 31—21)

6. A butter dispenser comprising an upstanding tubular receptacle to hold a cube of butter in slidable relation, a cutting blade mounted for movement across the cube immediately below the receptacle, a rod normally projecting under the receptacle at right angles to the blade, and means



mounting said rod for rotation about an axis parallel but eccentric thereto.

2,297,076
BRAKE CONTROLLING MECHANISM FOR AUTOMOBILES
Philip Sacks, Newark, and Marion M. McCoy, Whippany, N. J.
Application July 5, 1940, Serial No. 343,924
4 Claims. (Cl. 137—139)

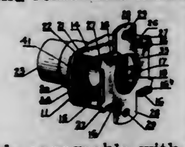


1. A control unit for a hydraulic brake system having a pressure-producing means and fluid actuated brakes, comprising a casing having an inlet adapted to be connected with the pressure-producing means and an outlet adapted to be connected with said brakes, a tube threaded into said casing transversely of said inlet and outlet, a by-pass from said outlet to said inlet to permit return flow of fluid through said casing, a control valve embodied in said by-pass, comprising a valve seat, a core movable in said tube and a washer carried by said core and normally resting on said valve seat, and a magnetic coil surrounding said tube and adapted when energized to cause said core to be urged in one direction to force said washer against said valve seat, thereby to prevent return flow of fluid through said by-pass.

2,297,077
DOOR LOCK
Walter R. Schlage, Burlingame, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application June 23, 1941, Serial No. 399,298
7 Claims. (Cl. 292—337)

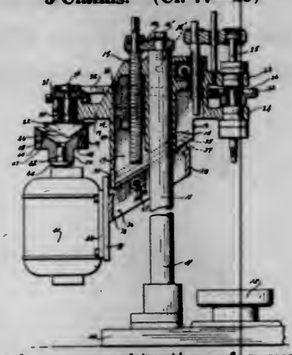
1. In a lock of the character described, a retractor guide comprising an end plate, a top and a bottom plate formed integral therewith and bent at right angles thereto, said end plate having an opening formed therein, a bearing sleeve adapted to extend through said opening, a re-

cess formed in the plate around the opening, a flange on the bearing sleeve adapted to seat in said recess, and removable means carried by the



retractor guide engageable with the flanged end of the bearing sleeve to secure the bearing sleeve against removal.

2,297,078
DRILL PRESS
Frederick W. Schlichter, Hamilton, Ohio, assignor to The Hamilton Tool Company, Hamilton, Ohio, a corporation of Ohio
Application June 15, 1940, Serial No. 340,795
3 Claims. (Cl. 77—29)



1. The known combination of a vertical drill spindle and changeable speed driving means including a vertical drill countershaft and shiftable belt connection therefrom to the spindle and in which the said spindle is mounted at the forward part of a head frame vertically slidable upon a support post: characterized by a fixed mounting for the countershaft at the rear of the head, a stepped pulley at a fixed level on the spindle, and an inversely stepped similar pulley on the countershaft having a permanent mounting in alinement with the first pulley, a separate driving unit including a carriage having side members extending forwardly beside the post and mounted slidably on the head, a motor mounted on the rear part of the carriage having a vertical shaft positioned to aline with the countershaft at the extreme forward position of the carriage, a male cone on one of the last named two shafts, and a female cone on the other, the path of the carriage coinciding with the medial forward element of the male cone, and means to releasably secure the carriage in adjusted positions on the head.

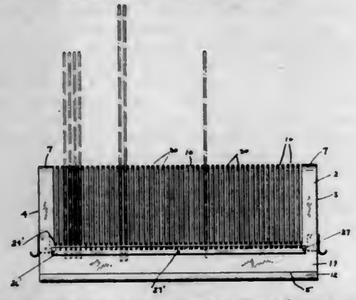
2,297,079
SOLUTION OF CHEMOTHERAPEUTIC AGENTS IN ETHYLIDENE GLYCEROL
Horace A. Shonle, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application August 17, 1940, Serial No. 353,067
6 Claims. (Cl. 167—65)

1. A solution of a p-aminobenzenesulfonamide in ethylidene glycerol.

2,297,080
1-METHYLPENTYL-p-AMINOBENZOATE
Horace A. Shonle and Wilbur J. Doran, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Original application August 19, 1940, Serial No. 353,248. Divided and this application December 8, 1941, Serial No. 422,102
1 Claim. (Cl. 260—471)

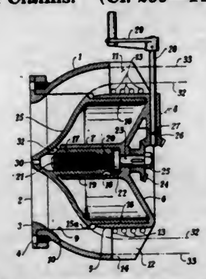
1-methylpentyl-p-aminobenzoate.

2,297,081
PHONOGRAPH RECORD RACK
Frank D. Slough, Mentor, Ohio
Application October 13, 1939, Serial No. 299,293
8 Claims. (Cl. 211—40)



1. A disc phonograph record rack comprising a medially bent sheet of metal providing a pair of substantially planular divergent walls with an uppermost ridge at the junction of and forming a continuation of the walls, said sheet being provided with a series of elongated parallel spaced narrow perforations each of sufficient width to receive the thickness of a phonograph disc record, said perforations extending transversely across said ridge and adjacent portions of said walls, the lower border portions of each said wall being reversely bent to provide a pair of laterally spaced parallel supporting base portions for the perforated wall and ridge portions, said walls adjacent the ends of said perforations being so spaced as to be susceptible of subtending such an arc of the circumference of records of ordinary sizes inserted into said perforations which is substantially less than a half circle, and a layer of cushioning material applied to the outer and side edge surfaces of the portions of said sheet bordering said perforations.

2,297,082
VALVE
Byron H. Staats, Denver, Colo., assignor of one-half to Grover J. Hornsby, Denver, Colo.
Application December 13, 1940, Serial No. 369,941
14 Claims. (Cl. 299—144)

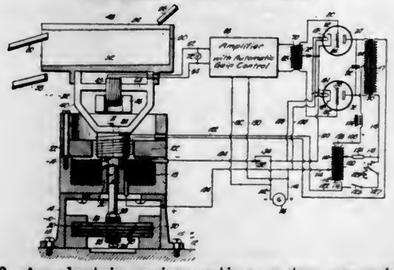


8. In a valve structure casing having an intake orifice and flaring therefrom into a relatively large cylindrical body which continues to the discharge end, a valve-carrying core within and annularly spaced from said body, means associated with the core for spreading into a substantially tubular stream, annularly spaced from the core, fluid entering the intake orifice, said spreader means being normally positioned between the cylindrical portion and the intake orifice of the casing.

2,297,083
METHOD FOR DISSOLVING HARD AND DIFFICULTLY SOLUBLE FOSSIL RESINS, ESPECIALLY COPAL RESINS
Oskar Svensson, Sundbyberg, Sweden
No Drawing. Application December 9, 1939, Serial No. 308,474. In Sweden December 21, 1938
6 Claims. (Cl. 260—99)

2. The process of dissolving hard and difficultly soluble fossil resins, which comprises subjecting such a resin in a finely divided state and in the presence of an inert solvent to the action of hydrogen peroxide and a metal peroxide.

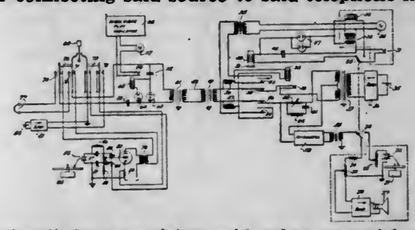
2,297,084
ELECTRIC RECIPROCATING MOTOR
William Duncan Swallow, Kansas City, Mo., assignor of twenty-six and two-thirds per cent to George S. Pelton and Herbert E. Pelton, both of Los Angeles, Calif.
Application October 17, 1940, Serial No. 361,504
10 Claims. (Cl. 172—126)



10. An electric reciprocating motor comprising an armature of variable mass to be reciprocated; a mechanical vibratory element of predetermined frequency interconnected with said armature to impart audio frequency vibratory movement thereto; an electric generator comprising parts relatively movable by said armature whereby an electric current is produced; an electric driving armature carried by said first named armature in a magnetic field; an inverted converter; an audio frequency amplifier receiving output current from said generator whereby to control the output of said current to said driving armature from said inverted converter; and means responsive to the varying mass of said armature whereby the current from said converter to said driving armature is varied to maintain a reciprocation of said armature of variable mass at uniform amplitude.

2,297,085
PHONOGRAPH
Eugene L. Triman and Lawrence E. Dettle, Chicago, Ill., assignors to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application July 14, 1941, Serial No. 402,310
27 Claims. (Cl. 179—6)

1. In a phonograph system for electrically reproducing phonograph records including a central station and a plurality of subscribers' stations connected thereto by telephone lines, means located at each subscriber station for transmitting a current impulse to said central station, said means including a source of low frequency pulsating current, an alternating current relay for connecting said source to said telephone line,



a circuit for energizing said relay comprising a source of uni-directional current, a capacitor and a switch, said capacitor being connected in series with said relay and said switch, and said unidirectional current source being connected to charge said capacitor whereby said relay will be operated by current from said capacitor to insure positive operation of said relay.

2,297,086
EYEGLASS MOUNTING
William R. Uhlemann, Evanston, Ill., assignor to Uhlemann Optical Co. of Illinois, Chicago, Ill., a corporation of Delaware
Application July 27, 1939, Serial No. 286,748
4 Claims. (Cl. 88—41)

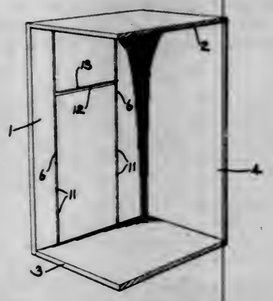


1. A lens mounting comprising a single piece of sheet metal shaped to provide a ribbon-like bridge having an upright leg portion on each side thereof, a lens strap on each side of said bridge, a ribbon-like strap-supporting arm connecting each strap with one leg of said bridge, and a ribbon-like arm extending from said strap to provide a nose guard support, each strap comprising a strip extending along the edge portion of the lens and a portion extending over a face portion of the lens, said strap-supporting arm and nose guard supporting arm extending from the same edge of said edgewise-extending strip and said facewise-extending portion also extending from said same edge, and lines extending transversely of said ribbon-like bridge and ribbon-like arms being substantially vertical whereby said bridge and arms flex about vertical axes.

2,297,087
FURNITURE CONSTRUCTION
Anthony Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application September 15, 1941, Serial No. 410,806
3 Claims. (Cl. 248—243)

1. A vertical support having a vertical groove in a side thereof, a channel located in said groove with its flanges at the sides of the groove and

with the web of the channel connecting said flanges disposed away from the bottom of the groove, said web having an inwardly offset portion at one side thereof, a plurality of narrow



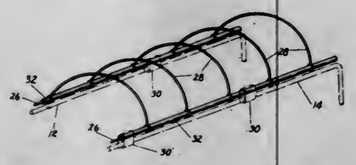
vertical slots located in said offset portion, and said web having openings therethrough between said slots and the opposite side flange of the channel for the passage of securing devices into said support.

2,297,088

UPHOLSTERY PAD SUPPORT FOR MARGINS OF SPRING CUSHION ASSEMBLIES

William C. Van Dresser and Edson D. Merry, Detroit, Mich., assignors to Van Dresser Specialty Corporation, Detroit, Mich., a corporation of Michigan

Application March 14, 1941, Serial No. 383,398
2 Claims. (Cl. 155—181)



2. An upholstery pad support for an upholstery spring cushion assembly comprising a linear fence like structure consisting of a pair of parallel spaced apart supporting wires and a plurality of cross wires secured at opposite ends to said two supporting wires and extending therebetween and arranged in spaced apart relationship therealong, and a flexible fabric sheet overlying said cross wires and extending between said supporting wires and having its margins folded about the supporting wires, each cross wire having its ends threaded through the sheet from underneath and adjacent to each supporting wire and wrapped about the supporting wire and about the margin of the sheet folded about the supporting wire.

2,297,089

TRUCK TAIL GATE SPREADER

John C. Walsh, Joliet, Ill.

Application October 4, 1940, Serial No. 359,790
4 Claims. (Cl. 275—2)

1. In an attachment for dump trucks having a body, a hopper adapted to be secured to the rear end of such body to receive material from the body, and a delivering roller at the bottom of said hopper, said hopper having a rear end gate positioned above said delivery roller and movable vertically towards and from said roller, a ground engaging roller spring supported by



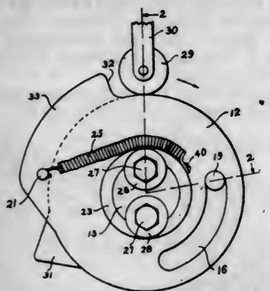
said attachment, and an operative connection between said ground and delivery rollers.

2,297,090

DELAYED ACTION CAM MECHANISM

Monte F. Weaver, Monroe, Mich.

Application January 14, 1942, Serial No. 426,697
8 Claims. (Cl. 74—567)



1. A cam mechanism comprising; a fixed cam plate rigidly mounted on a shaft, a hub secured to said shaft, an auxiliary cam plate mounted on said hub and adapted to oscillate thereon, a means for limiting the oscillation of said auxiliary cam plate, in respect to said fixed cam plate, a spring tending to hold said fixed cam plate and said auxiliary cam plate in a predetermined position with respect to each other, a cam follower in operative engagement with said fixed cam plate and said auxiliary cam plate; said fixed cam plate adapted to move said cam follower outward radially and said auxiliary cam plate adapted to hold said cam follower in said outward position for a predetermined period after the motion of said fixed cam plate ceases.

2,297,091

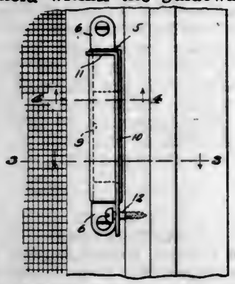
WINDOW SCREEN LATCH

Isaac Sidney Wells, Laurel, Miss.

Application July 2, 1941, Serial No. 400,830
2 Claims. (Cl. 292—145)

1. A swinging closure fastener, comprising an elongated body portion adapted to be secured to a closure and including spaced outer and inner sections providing a guideway therebetween, said guideway being closed at its ends, a flange formed along the edge of said inner section and spaced from the adjacent longitudinal edge of the outer section, a sliding latch member having a right-angled portion fitted within the guideway, said latch member also extending between the flange

and edge of the outer section, whereby the latch member is held within the guideway, and said



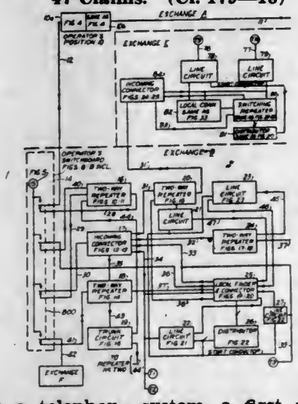
latch member adapted to move into engagement with a keeper secured to the closure frame.

2,297,092

TELEPHONE SYSTEM

John Wicks, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Original application September 26, 1938, Serial No. 231,780, now Patent No. 2,254,113, dated August 26, 1941. Divided and this application June 8, 1940, Serial No. 339,474
47 Claims. (Cl. 179—18)



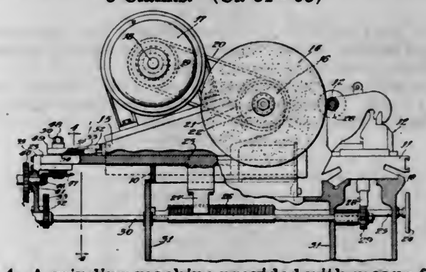
1. In a telephone system, a first repeater, a second repeater including a stepping switch having a normal position and operative to a plurality of off-normal positions, said repeaters being connected in tandem in the order named, means operative to seize said first repeater, a trunk line extending to said second repeater, means included in said first repeater and operative in response to the seizure of said first repeater for transmitting a seizing pulse of alternating current to said second repeater, means included in said second repeater and responsive to said alternating current seizing pulse for initiating the operation of said stepping switch, means included in said first repeater and responsive to direct current impulses transmitted to said first repeater for transmitting corresponding pulses of alternating current to said second repeater, means included in said second repeater and responsive to said alternating current pulses for transmitting corresponding direct current impulses over said trunk line and for arresting the operation of said stepping switch, and means controlled by said stepping switch for releasing said second repeater in the event at least one pulse of alternating current, following said alternating current seizing pulse, is not transmitted to said second repeater before said stepping switch is operated to a predetermined off-normal position.

2,297,093

ROLL GRINDING MACHINE

Albert W. Wigglesworth, Miami Beach, Fla., assignor to Hill-Clarke Machinery Co., Chicago, Ill., a corporation of Illinois

Application October 4, 1940, Serial No. 359,691
5 Claims. (Cl. 51—95)



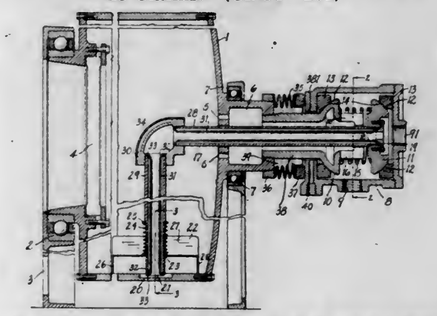
4. A grinding machine provided with means for automatically grinding convex and concave surfaces on the work, comprising a machine base, a longitudinally reciprocable work carriage on the machine base, a grinding wheel base, a grinding wheel rotatably mounted on the base, an intermediate support for the wheel base slidable transversely on the machine base, said wheel base resting on said intermediate support, means including an eccentric operatively connected with the grinding wheel base, and operative connections between said eccentric means and the reciprocable work carriage gradually and continuously reciprocating said wheel base in a horizontal plane on said intermediate support while the work carriage is being reciprocated and the grinding wheel is in contact with the work, and said wheel base having a lower bearing surface which is throughout its area in constant contact with the intermediate support while said wheel base is being gradually reciprocated on said support during the work grinding operation.

2,297,094

DRAINAGE DEVICE FOR WEB DRYING MACHINES

Adam E. Armstrong and Fred A. Thor, Three Rivers, Mich., assignors to Armstrong Machine Works, Three Rivers, Mich.

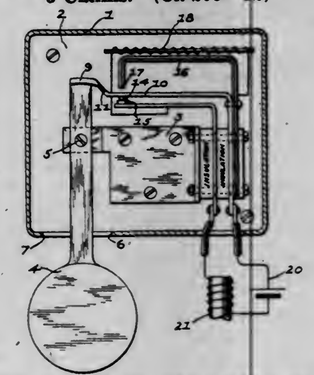
Application July 5, 1940, Serial No. 344,024
18 Claims. (Cl. 34—124)



8. In a drainage system for a web drying drum, a siphon tube extending radially and axially of said drum and rotating therewith, said tube hav-

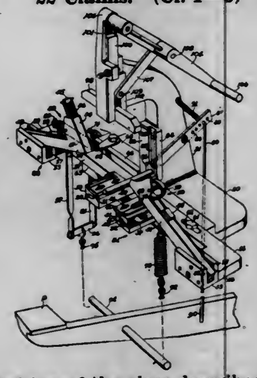
ing the radial extremity thereof adjacent the periphery of the drum and the said periphery having a sump into which said extremity extends, a scoop element mounted adjacent said tube and engaging said drum for collecting condensate during the rotation of the drum and maintaining the condensate in the vicinity of said sump, and means for maintaining said scoop element against the drum periphery.

2,297,095
SWITCH
Rex Earl Bassett, Jr., Miami Beach, Fla., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Original application April 19, 1937, Serial No. 137,662. Divided and this application September 6, 1941, Serial No. 409,863
6 Claims. (Cl. 200—52)



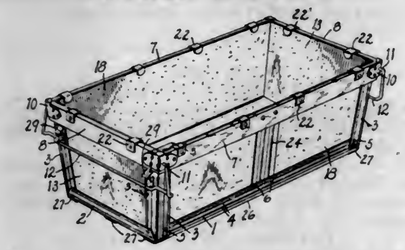
1. A machine control comprising a switch having contacts yieldingly urged apart, means for holding said contacts together, inertia means for releasing said holding means in case of excessive vibration, and heat-responsive means actuated upon release of said holding means for automatically reengaging said holding means after a time interval.

2,297,096
MACHINE FOR OPERATING ON RIBBON MATERIAL
Seraphine F. Bauwens, Chicago, Ill., assignor to Bauwens Machine Company, Inc.
Application June 15, 1940, Serial No. 340,710
22 Claims. (Cl. 1—3)



1. A machine of the class described comprising, in combination, a stationary member, a member shiftable away from said stationary member to determine the over-all length of a loop of ribbon material wound about the members in loop formation, a stapling mechanism located adjacent the stationary member, a second stapling mechanism associated with the shiftable member and movable therewith, and means for operating said mechanisms simultaneously to insert staples in the ribbon material at the ends of the loop defined by the respective members.

2,297,097
RECEPTACLE
Wilson F. Best, Grand Rapids, Mich.
Application August 31, 1940, Serial No. 354,992
12 Claims. (Cl. 220—84)

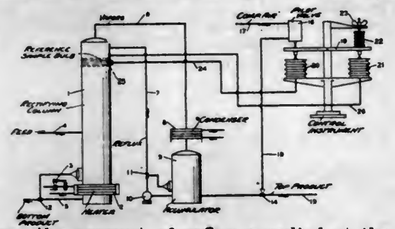


6. In a receptacle, the combination of a frame comprising side and end bottom pieces and corner uprights of angle section disposed with their angles facing inwardly, side and end top pieces secured to the outer sides of said corner uprights at the upper ends thereof, an intermediate longitudinal bottom bar extending between the end bottom pieces and secured thereto, side and end wall retaining means on said top side and end pieces, end walls disposed with their upper edges in engagement with said wall retaining means of said end top members and in supported relation to said bottom end pieces and said corner uprights, and a combined side wall and bottom unit, the bottom having flexing portions connecting the same with the side walls and having a zone in which it is upwardly foldable longitudinally in spaced relation to said portions to facilitate engagement of said side wall with said side wall retaining means, the bottom when extended acting to urge the side walls upwardly into engagement with said wall retaining means and the folding zone of the bottom wall being above said longitudinal bottom member, the side walls and bottom constituting end wall retaining members.

2,297,098
RECTIFYING COLUMN CONTROL
Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 23, 1940, Serial No. 325,585
12 Claims. (Cl. 202—40)

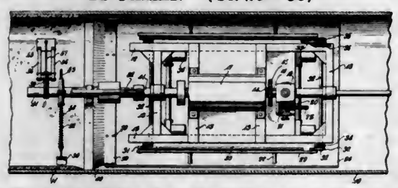
1. A method of rectification in which distillable fluid to be rectified is fed to a rectification column, heat is applied to the bottom of the column to generate vapor and liquid reflux is supplied at the top of the column, the improvement comprising placing a reference sample of liquid of the composition and vapor pressure it is desired to recover on a plate at a point in the column above the feed and surrounding the reference sample with liquid on the plate, and balancing the vapor pressure of the reference sample

against the pressure in the column above the reference sample under desired column conditions, any unbalancing tendencies between the two vapor pressures operating to increase or de-



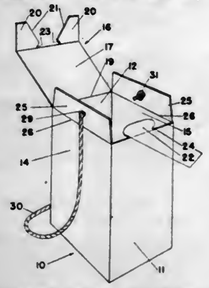
crease the amount of reflux supplied at the top of the column to thus regulate the composition and vapor pressure of the product taken from the top of the column.

2,297,099
TUNNEL LINING MACHINE
John M. Crom, New York, N. Y.
Application February 8, 1940, Serial No. 317,962
14 Claims. (Cl. 25—38)



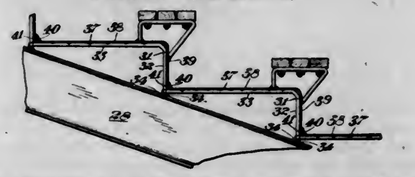
1. In a machine for applying a coating to the inside side of a passage having a wheel carried horizontal frame and a mortar projecting nozzle mounted for rotary motion at one end thereof, a pan below said frame having an apron at the end thereof adjacent said nozzle comprising spring fingers extending over the edge of said pan and flared outwardly.

2,297,100
CARTON FOR PACKAGING AND CARRYING BLASTING CAPS AND THE LIKE
Albert R. Ely, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application March 1, 1940, Serial No. 321,639
3 Claims. (Cl. 229—52)



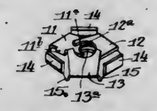
1. A packing and carrying box for electric blasting caps comprising a box member, foldable flap members mounted on opposite sides of the box and adapted to be folded inwardly and downwardly, said flap members being so constructed and arranged that when folded downwardly a substantial space is left between adjacent end portions of the flap members, a cord member having its end portions securely fastened to the flap members and serving in combination with the flap members as a carrying means for the box, said cord member when not in use being disposed in the space between the ends of said flap members, a foldable cover flap mounted on an end portion of the box and adapted to be folded over said foldable flap members and means anchoring the cover flap in closed position.

2,297,101
BUILDING STRUCTURE
Nevil Greenwell, Bethlehem, and Charles Schenck, Coopersburg, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application November 18, 1939, Serial No. 305,076
1 Claim. (Cl. 189—1)



A structure comprising inclined rafters, brackets supported on said rafters, said brackets comprising a horizontal portion and a vertical portion, said vertical portion being slotted at a point spaced from but adjacent to its rafter engaging end, said horizontal portion being tenoned at its free end and being supported within the slot in the vertical portion of an adjacent bracket, and deck plates supported by said brackets each of said deck plates having a tread portion and a riser portion, said tread portion and said riser portion having flanges at their free edges in lapping engagement with the flanges of the riser portion and the tread portion of adjacent deck plates, the flanges of said riser portion being positioned behind the flanges of said tread portion.

2,297,102
LOCK NUT
Drew W. Head, Chicago, Ill.
Application October 17, 1940, Serial No. 361,497
1 Claim. (Cl. 85—36)



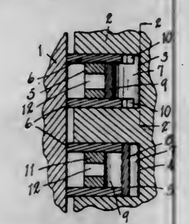
A sheet metal nut comprising a base provided with a bolt-receiving aperture and a plurality of angularly disposed thread followers extending inwardly from the perimeter of the base at different acute angles with respect thereto and terminating in arcuate thread-engaging portions disposed in partially overlapping relation for threadedly engaging through an arc of more than 360 degrees the thread of a bolt passed through said aperture, the angular positions of said followers being such as to cause said arcuate portions to move inwardly toward the root of the thread as said followers are flexed toward said base, and means carried by the lower of said followers for abutting said base for arresting such movement of the followers toward said base at positions wherein said followers exert maximum locking action on the bolt.

2,297,103
ELECTRICALLY HEATED TOOL
Eddie M. Holm, Moorhead, Minn.
Application February 26, 1942, Serial No. 432,522
1 Claim. (Cl. 219—21)



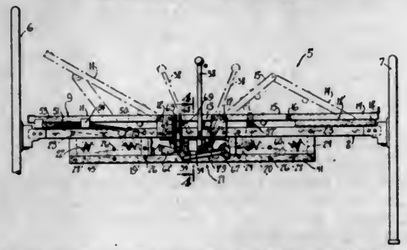
A tool of the character described comprising a box-like structure, a blade protruding from one end of the box-like structure, heating means in the box for supplying heat to the blade, a head fitting in the other end of said structure and interlocking with said blade to hold the same rigid at one end thereof, a handle extending from said head, the inner side of the box-like structure being provided with corrugations to promote circulation of air.

2,297,104
PISTON RING
Aben E. Johnson, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Application February 21, 1940, Serial No. 320,003
4 Claims. (Cl. 309—45)



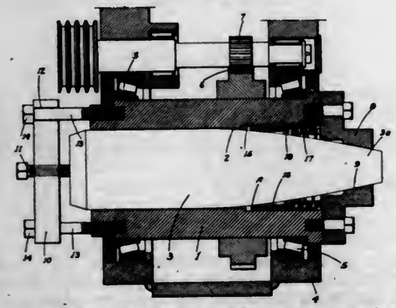
1. A composite piston ring assembly comprising a pair of thin split expansible cylinder wall engaging elements of wear resisting material, a combined expander and spacer element formed of ribbon steel and having a plurality of spaced outwardly bowed expander reaches engageable with the inner edges of said cylinder wall engaging elements and having a plurality of outwardly bowed spacer reaches alternating with said first named reaches and of substantially greater radial height, said spacer reaches being of axial width equal to the spacing of said cylinder wall engaging elements to engage between said cylinder wall engaging elements and constitute spacers therefor, said spacer reaches being joined at each side thereof to said expander reaches by inwardly bowed reaches constituting thrust reaches for engagement with the bottom of a piston ring groove in which the assembly is installed.

2,297,105
HOSPITAL BED
Alfred Laukhuff, Milwaukee, Wis., assignor to Will Ross, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application August 3, 1940, Serial No. 350,253
12 Claims. (Cl. 5—69)



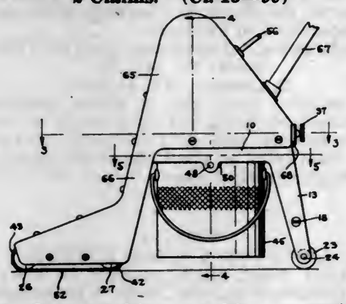
4. Control mechanism for elevating the hinged back and leg rest spring sections of an invalid bed comprising: a mounting member for the mechanism adapted to be secured to a stationary portion of the bed; spaced-apart hydraulic jacks carried by the mounting member in a substantially horizontal position, each of said jacks having a reciprocable plunger at one end and a ram projecting from its opposite end and projectible in response to reciprocation of its plunger; an operating lever accessible to a patient on the bed; means mounting the operating lever from the mounting member for oscillation in either of two substantially upright planes inclined with respect to each other; an actuating lever for the plunger of each of the jacks, one adjacent to each of said planes; latch means movable with the operating lever and engaged with a part on one of said actuating levers when the operating lever is in one of said planes, and engaged with a part on the other of said actuating levers when the operating lever is in the other of said planes and whereby the plungers are selectively reciprocable by the operating lever; and means on the ram of each jack connectible with one of the spring sections of the bed whereby reciprocation of the plunger of each jack is translated into elevational movement of one of the hinged spring sections.

2,297,106
RELEASING ATTACHMENT FOR CHUCK
Robert Gilmore Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application May 1, 1942, Serial No. 441,294
4 Claims. (Cl. 279—9)



1. In a lathe chuck for holding cylindrical work having a portion tapering toward its forward end, the chuck including a hollow member through which the work projects, a chuck head on the front end of the member having a taper bore symmetrical to that of the taper portion of the work and into which the latter projects; releasable means to advance and hold the work in wedging engagement with the head, and means in the member acting on the work when said releasable means is released to retract the work and break its wedging engagement with the head.

2,297,107
ELECTRICALLY OPERATED FLOOR CLEANER
Vernie G. Magnuson, Minneapolis, Minn.
Application October 14, 1939, Serial No. 299,491
2 Claims. (Cl. 15—99)



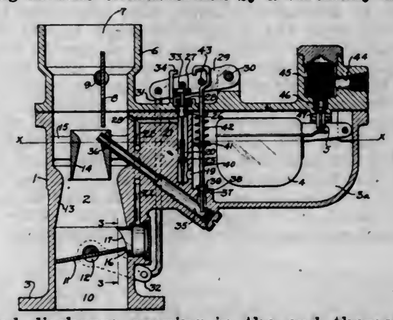
1. A floor washing machine comprising a frame having an upper body portion and two depending leg portions said frame portions being constructed and arranged so as to leave a space below the upper portion open at the sides between the leg portions, supporting rollers mounted on both of said leg portions, a cleaning belt mounted to move over one set of supporting rollers to contact the floor beneath them, a readily transportable receptacle adapted to contain cleaning liquid removably held in the open space between the legs, means guiding the cleaning belt through the water in said receptacle when so held, and means including an electric motor mounted on said central frame portion for continuously moving the belt.

2,297,108
FLUORESCENT MATERIAL
Alfred H. McKeag, North Wembley, and Peter Whitten Ranby, Wembley, England, assignors to General Electric Company, a corporation of New York
No Drawing. Application January 30, 1942, Serial No. 428,908. In Great Britain August 27, 1940
6 Claims. (Cl. 250—81)

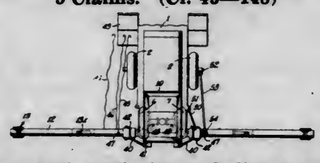
1. A phosphor comprising a matrix of alkaline earth metal silicate activated with europium, and fluorescing in the color range of yellow, green, blue, violet when excited by 3650 Å. radiation.

2,297,109
CARBURETOR
James T. W. Moseley, Clayton, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application February 23, 1940, Serial No. 320,369
6 Claims. (Cl. 261—41)

1. A downdraft carburetor for internal combustion engines comprising a downwardly directed mixing conduit, a constant level fuel chamber, a plate-type throttle valve in said mixing conduit, a primary discharge nozzle opening into said mixing conduit adjacent the upward opening edge of said throttle valve, the end of said primary discharge nozzle having a configuration with respect to a vertical plane substantially conforming to the arc described by said adjacent throttle valve edge and being juxtaposed therewith, said primary discharge nozzle being further characterized by a vertically elongated discharge opening in the end thereof, a fuel passageway leading from said constant level chamber to said primary discharge nozzle, valve means for controlling said fuel passageway, spring means for urging said valve means toward a less restricting position and mechanism co-acting with said throttle valve to limit the effect of said spring means.

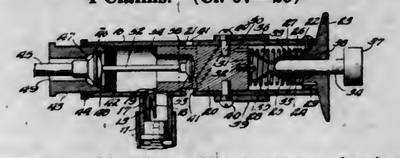


2,297,110
DUSTING APPARATUS AND NOZZLE CONSTRUCTION
Donald Parker, Fresno, Calif.
Application August 5, 1939, Serial No. 288,628
5 Claims. (Cl. 43—148)



1. In a dust applicator including a means for producing a blast of air mixed with dust and a horizontally disposed conduit for conducting said blast to a point beneath a tree, a means for directing said blast comprising: a nozzle on said conduit near said outer end having such shape as to discharge a pair of upwardly directed and substantially fan shaped blasts of dust and air, said nozzle being so formed and positioned as to dispose the plane of said fan shapes at an angle to each other and substantially parallel to the axis of said conduit.

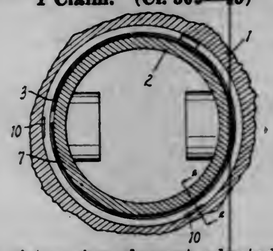
2,297,111
APPARATUS FOR OPERATING FLASHLIGHTS AND CAMERAS
Earl A. Paul, Griffith, Ind., assignor to James H. Smith & Sons Corporation, Griffith, Ind., a corporation of Indiana
Application October 11, 1939, Serial No. 298,912
4 Claims. (Cl. 67—29)



1. The combination with a camera having a

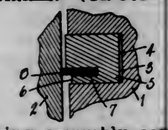
shutter release or shutter operating trigger, of a flexible push cable for actuating the same, having the usual tube and having an operating head or button, a cylinder, means for adjustably securing the end of the cable tube in the end of the cylinder, a plunger slidably and rotatably mounted in the cylinder and adapted to strike said head to actuate the same, pins projecting outwardly from the plunger through helical slots in the cylinder which cause the plunger to rotate during its longitudinal movement and control the time thereof during the actuating movement of the plunger, a spring for actuating said plunger, means for retracting the plunger, means for holding the plunger in retracted position, means for releasing said holding means to permit movement of the plunger, and electric contacts actuated by said plunger to close an electric circuit at a predetermined time before the operation of the shutter for flashing a lamp.

2,297,112
PISTON RING
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Application August 5, 1939, Serial No. 288,553
1 Claim. (Cl. 309—45)



A split piston ring element adapted to be disposed in a piston ring groove for engagement with a cylinder wall, said element having a recess of substantial circumferential width having radial sides formed in the peripheral cylinder wall engaging surface thereof to permit metering of a predetermined quantity of oil therethrough in operation and the ends of said element being spaced approximately $\frac{1}{64}$ to $\frac{1}{32}$ inch when operatively compressed and inserted in a cylinder to supplement the metering action of said recess.

2,297,113
PISTON RING
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Application June 10, 1940, Serial No. 339,642
5 Claims. (Cl. 309—44)

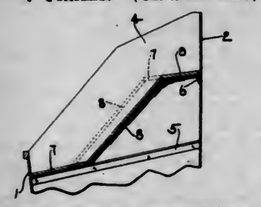


1. A piston ring assembly comprising an annular split main cast iron member of approximately rectangular section having a circumferential groove formed on the outer periphery thereof and extending substantially into the member, and a thin split element of lubricating metal disposed in said groove, said element being uniformly dished in outline throughout and the inner and outer sides thereof initially engaging the cylinder wall and bottom of the groove in installed position, the axial dimension of said groove being somewhat less than the over-all axial dimension of the element whereby a frictional gripping action is exerted on the groove walls to maintain the element in place, the space in the groove not occupied by the element constituting an oil reservoir for the accumulation and maintenance of a continuous annular supply of oil adjacent the cylinder wall, said main member being further annularly recessed adjacent and communicating with said groove.

2,297,114
TREATMENT OF GASOLINES
Ralph B. Thompson, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 24, 1940, Serial No. 342,125
23 Claims. (Cl. 44—69)

17. Gasoline containing a minor quantity of lead tetraethyl which normally tends to decompose in storage, and as a stabilizer therefor, a small quantity of an alkyl amine salt of an alkyl pyrophosphoric acid ester.

2,297,115
ADJUSTABLE FALSE BOTTOM
Jerry Tyler, Niles, Mich., assignor to Tyler Fixture Corporation, Niles, Mich., a corporation of Michigan
Application December 16, 1940, Serial No. 370,299
7 Claims. (Cl. 211—126)

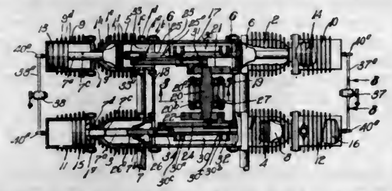


4. A display device comprising, a compartment having a normal bottom area and a back, three bottom sections, two of which have a combined width substantially equal to the front to rear dimension of said normal bottom area and the combined width of all three sections being greater than said front to rear dimension, means for supporting certain of said bottom sections in the plane of said normal bottom area, means adjacent the back and elevated above said bottom area for supporting the rear edge of one of said sections in raised position, means for absorbing the forward thrust of one of said bottom sections in the plane of the bottom area with an intermediate section extending diagonally upward between and respectively engaging said other two sections.

2,297,116
TWO CYCLE SUPERCHARGED OPPOSED GAS ENGINE
John L. Weaver, San Diego, Calif.
Application September 9, 1940, Serial No. 355,899
8 Claims. (Cl. 123—56)

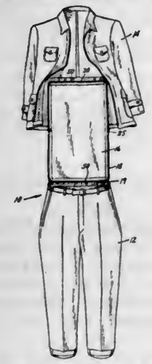
1. In a two cycle supercharged opposed gas engine of the class described, oppositely disposed explosion cylinders, pistons reciprocally mounted therein and connected together, pump cylinders connected to said explosion cylinders in axial alignment therewith outwardly of said explosion cylinders, pistons reciprocally mounted in said

pump cylinders and tubular connecting means between said pistons in said pump cylinders and said pistons in said explosion cylinders, said pump cylinders provided with intake openings in their side walls, injector air conductor tubes in



communicative relation with the outer ends of said pump cylinders, and fuel injectors in communicative relation with said explosion cylinders and connected with said injector air conductor tubes.

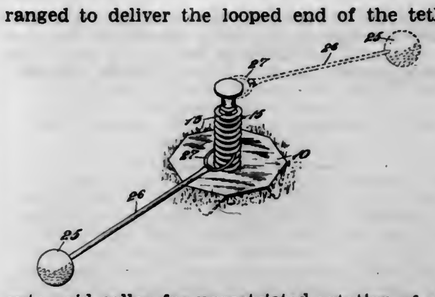
2,297,117
OVERSUIT
Joseph Weinberg, New York, N. Y.
Application August 26, 1941, Serial No. 408,293
1 Claim. (Cl. 2—79)



A device of the character described comprising a coat member, a trousers member, and a connector member, the connector being secured to the top of the trousers at one end thereof, and to the coat, at the inside thereof, at the other end of the connector, said connector being sufficiently wide and long as to receive upon itself the coat and trousers in folded condition, and separable fastener means to secure the longitudinal margins and the opposite end margins of the connector together to form a sack within which the coat and trousers may be contained.

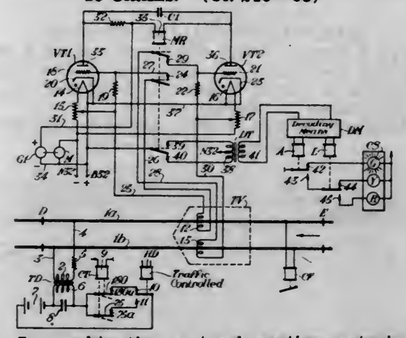
2,297,118
GOLF PRACTICING DEVICE
Erich K. Wildegans, Providence, R. I., assignor to Paul-Rohland, Inc., a corporation of Rhode Island
Application August 6, 1940, Serial No. 351,612
3 Claims. (Cl. 273—35)

1. In a device for practicing the swing of a golf club, a pin to be inserted into the ground, a head on said pin comprising a collar embracing said pin with a flange extending outwardly at its upper end, a separate helical wire guide about said pin and spaced therefrom, a ball having a tether provided with a loop at its end embracing the pin, said guide provided with a tight coiled portion frictionally and firmly embracing said pin beneath said collar and arranged to deliver the looped end of the tether



onto said collar for unrestricted rotation of said ball about the collar beneath said flange.

2,297,119
RAILWAY TRAFFIC CONTROLLING APPARATUS
Arba G. Williamson and Arba G. Williamson, Jr., Carnegie, Pa., assignors to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 5, 1941, Serial No. 421,764
15 Claims. (Cl. 246—63)

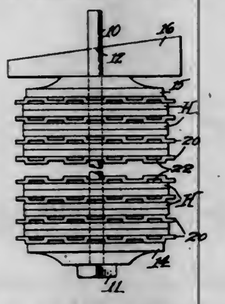


1. In combination, a track section, a train to travel such section, means connected to the rails of said section to supply to the rails direct current coded at a preselected code rate; two train carried receiving channels each of which includes an inductor, a gas filled tube and a circuit connection to connect the inductor to the grid of the tube; said tubes each provided with a plate circuit which includes a source of direct current of a voltage normally ineffective to fire the respective tube, said inductors mounted one in inductive relation to one rail and the other in inductive relation to the other rail for each inductor to pick up an electromotive force in response to said coded rail current, said circuit connections arranged for said electromotive forces picked up by said inductors to alternately fire the tubes, means including a condenser connected across the plates of said tubes to alternately extinguish said tubes, and signaling means coupled to the plate circuit of at least one of said tubes controlled by the current thus caused to recurrently flow in the plate circuit of said one tube.

2,297,120
DEVICE FOR GLUING MULTI-PLY PRODUCTS
William H. Wilson and George A. Ordway, Burlington, Vt.
Application September 14, 1940, Serial No. 356,860
2 Claims. (Cl. 144—281)

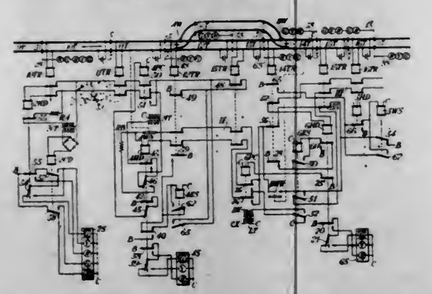
1. A spacing device for use in gluing super-

posed multi-ply products which comprises a generally flat impervious metal separating member of substantial surface area and having transverse air-conducting passages formed therein and par-



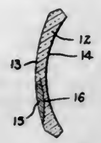
allel to the flat surfaces of said member and extending from edge to edge thereof, each passage being continuous from edge to edge of said member and being freely open at both ends thereof.

2,297,121
RAILWAY SIGNALING SYSTEM
Henry S. Young, Wilkinsburg, and Ronald A. McCann, Swissvale, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 30, 1941, Serial No. 391,104
7 Claims. (Cl. 246—33)



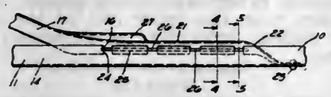
1. In combination, a stretch of railroad track over which traffic moves in both directions, said track stretch including a passing siding, a plurality of signals governing movement of trains in one direction through said track stretch, said signals including a first signal at the exit end of the siding, a second signal at the entrance end of the siding and a third signal in the rear of said second signal, said first and second signals being capable of displaying a clear, a caution and a stop indication, said third signal being capable of displaying a clear, an approach medium, a caution and a stop indication, a first line circuit substantially coextensive with said siding and governed by traffic conditions in the track stretch adjacent said siding, a second line circuit extending between the second and third signals and governed by traffic conditions in the track stretch intermediate said signals, means governed by traffic conditions in the track stretch in advance of the first signal and controlling the supply of energy to the first line circuit, said means being operative when said stretch in advance of the first signal is vacant to supply energy of a first character to said line circuit, when said stretch in advance of the first signal is occupied by a train moving in said one direction to supply energy of a second character to said first line circuit, and when said stretch in advance of the first signal is occupied by a train moving in the other direction to supply energy of a third character to said first line circuit, electroresponsive means receiving energy over said first line circuit and controlling said second signal and also controlling the supply of energy to said second line circuit, said electroresponsive means being effective on the supply thereto of energy of said first character to condition said second signal to display its clear indication and to effect the supply of energy of said first character to the second line circuit, said means being effective on the supply thereto of energy of said second character to condition said second signal to display its caution indication and to effect the supply of energy of said second character to said second line circuit, and being effective when supplied with energy of said third character to condition said second signal to display its caution indication and to effect the supply of energy of said third character to said second line circuit, said means being effective when deenergized to condition said second signal to display its stop indication and to effect the supply of energy of said third character to said second line circuit, and electroresponsive means receiving energy over said second line circuit and controlling said third signal so as to cause said signal to display its clear, approach medium or caution indications according as energy of the first, second or third characters are supplied thereto and when no energy is supplied to said means to cause said signal to display its stop indication.

2,297,122
PROCESS OF MAKING MULTIFOCAL LENSES
Byron J. Ziegler, Dudley, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 13, 1940, Serial No. 356,700
3 Claims. (Cl. 88—54)



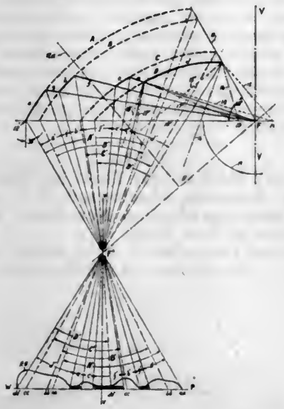
1. The process of producing a blank for a multifocal lens comprising forming a major and a minor piece of glass for fusion with each other which normally results in interfacial devitrification when said pieces have been surfaced by rouge, forming and preparing a countersink for fusion in said major piece of lens medium by polishing the countersink surface with a fine-grained calcined clay, edge-joining said minor piece of lens medium with a piece of lens medium of a different index of refraction than said minor piece to produce a composite button, forming and preparing a surface on said composite button for fusion in said countersink by polishing said surface with a fine-grained calcined clay, placing said composite button in the countersink with the fusion prepared surfaces of the composite button and said major piece in contiguous relation with each other and subjecting said pieces of lens medium to heat of a temperature sufficient to bring about fusion of said prepared surfaces, to the end that said pieces of glass are integrally united, with said joined surfaces being substantially free from interfacial devitrification.

2,297,123
AUTOMOBILE FRAME
Einar Almdale, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application May 7, 1940, Serial No. 333,725
9 Claims. (Cl. 280—106)



1. In an automobile frame, a hollow light gauge closed box section side rail, a vertical web strut of heavier gauge spaced from its side walls and extending through the sections at one side of its neutral axis and close thereto to increase its torsional resistance and to divide it into several box sections.

2,297,124
LIGHTING FIXTURE
Victor Geist Anderson, New Rochelle, and Edward Rambusch, Brooklyn, N. Y., assignors to Rambusch Decorating Company, New York, N. Y., a corporation of New York
Application March 29, 1940, Serial No. 326,546
9 Claims. (Cl. 240—78)

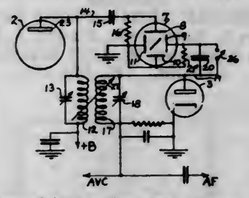


1. A luminaire comprising a light source, a downwardly acting specular reflector symmetrical on opposite sides of a central vertical axis through the source and accepting substantially all the light emitted by the source in an axial plane and above a horizontal plane near the level of the source, the reflector being composed of angularly contiguous reflecting zones of variant light accepting angles and of elliptical profile in said axial plane and separated by inactive zones, the said reflecting zones having a common focal point at the center of the light source and coincident conjugate focal points in said axial plane and uniformly displaced on opposite sides of said central vertical axis, the axes of the ellipses in which zones are formed being shorter as the zones approach the central axis of the luminaire for the purposes described, each of the focal points being so spaced below the horizontal plane through the source that horizontal incident rays are reflected at angles below the horizontal greater than 45° and less than 70°.

2,297,125
PROTEIN COMPOSITION AND FOAM ABATEMENT
Francis Clarke Atwood, Newton, Mass., assignor to Atlantic Research Associates, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 25, 1938, Serial No. 186,911
1 Claim. (Cl. 106—147)

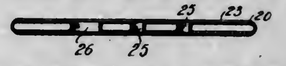
A casein paint comprising an aqueous casein dispersion, a pigment, and as a foam abating agent, an aliphatic ether having a boiling point higher than water and which is not completely soluble in water, the amount of said ether in said paint being in excess of that necessary to satisfy the solubility of the ether in the water of the dispersion whereby at least a part of said ether in the paint is undissolved in the water.

2,297,126
DIRECTIONAL TUNING INDICATOR
Alfred W. Barber, Flushing, N. Y.
Application January 26, 1939, Serial No. 252,898
2 Claims. (Cl. 250—40)



1. In a tunable carrier wave receiver the combination of at least two coupled circuits, a cathode ray tube including four electrostatic beam deflecting plates disposed in mutually perpendicular pairs, a thermionic vacuum tube amplifier connected to one of said circuits, capacitative coupling means connected between the last said circuit and one of said deflecting plates, a thermionic vacuum tube diode rectifier connected to the other of said coupled circuits, capacitative coupling means connected between the last said circuit and a deflecting plate perpendicular to the last said plate, and a shorting switch connected across the last said capacitative means.

2,297,127
PNEUMATIC CUSHION
Carl L. Beal, Cuyahoga Falls, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware
Original application December 10, 1936, Serial No. 115,240. Divided and this application October 12, 1940, Serial No. 360,926
5 Claims. (Cl. 155—179)



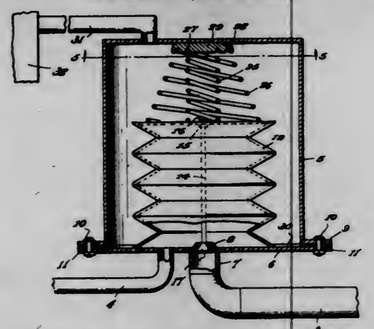
5. A bag-like hollow rubber article including a pair of walls disposed in generally opposed spaced-apart relation and a plurality of tubular members connecting the opposed walls together and providing a plurality of apertures through the article, a substantial portion of the article including all the said tubular members and all the said walls in the region of the tubular members having a one-piece seamless rubber structure, the rubber of the tubular members being a seamless continuation of the rubber constituting the said walls and all the aforesaid rubber portions having a substantially uniform thickness.

2,297,128
LOOM TEMPLE ROLL
Arthur E. Benson, South Attleboro, Mass.
Application September 10, 1941, Serial No. 410,244
5 Claims. (Cl. 139—296)



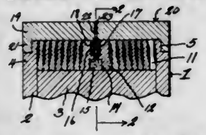
1. A loom temple roll comprising a core, a substantially cylindrical cloth engaging cover formed from homogeneous resilient material sleeved on said core and having a continuous raised rib of substantially uniform basic contour throughout formed in the outer face of and integral with said resilient cover and extending spirally of the roll, and slender frictional elements formed integral with the rib and projecting outwardly from the basic contour of the rib for lightly tractive engagement with the cloth being formed in advance of its engagement by the body portion of the rib.

2,297,129
PRESSURE REGULATING VALVE
Harry L. Bohnstedt, Custer, S. Dak.
Application November 10, 1939, Serial No. 303,864
1 Claim. (Cl. 50—23)



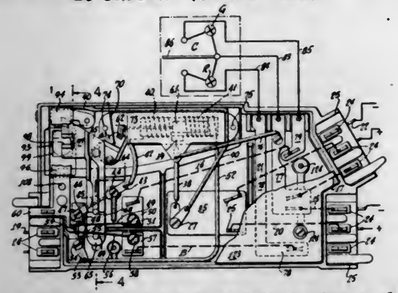
A pressure regulating valve of the character described comprising a casing having a head at its upper end and an outstanding flange about its lower end, a bottom for said casing, bolts passing through the flange and marginal portions of the bottom to removably secure the bottom to the casing, the bottom being provided with a fuel inlet opening at its center and a fuel outlet spaced laterally therefrom, a coupling for a fuel pipe having its upper portion tapered upwardly and mounted through the inlet opening and constituting a valve seat, a bellows in said casing having its lower end sealed to the bottom thereof in spaced relation to walls of the casing and in enclosing relation to the inlet and the outlet and defining an expansible fuel chamber within the casing surrounded by an outer chamber, a spring seat mounted against the under face of the top of the casing over the bellows axially thereof and having inner and outer concentric grooves in its under face, a helical spring in said casing between the bellows and the spring seat having its lower end resting upon the bellows and its upper end seated in the inner groove, a second helical spring surrounding the first spring in spaced relation thereto and tapered upwardly and having its lower end resting upon the bellows and its upper end seated in the outer groove, said springs cooperating with each other to apply downward pressure on the bellows and evenly distribute pressure thereon, a valve stem extending vertically through the bellows axially thereof with its upper end secured through the head of the bellows centrally thereof and its lower end extending into the coupling through the tapered upper end thereof, and a valve head carried by the lower end of the valve stem within the coupling and tapered upwardly to conform to and seat tightly against the valve seat and close the upper end of the coupling when shifted upwardly by expansion of the bellows.

2,297,130
DRAG PREVENTING MEANS FOR PROJECTILES
Raymond E. Bomar, Oklahoma City, Okla.
Application August 13, 1940, Serial No. 352,433
8 Claims. (Cl. 102—50)



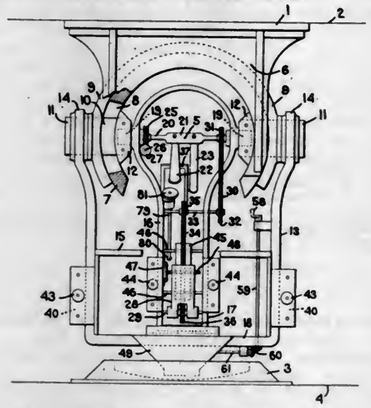
1. A drag preventing means for a projectile, comprising a series of annular sleeves arranged in nested relation at the rear end of and concentric with the projectile, the outermost one of the sleeves being integral with the projectile, the sleeves being relatively shiftable axially of the projectile to form a rearwardly extending cone-like body, a cover member detachably secured over the nested sleeves and forming a shield to protect said sleeves from the effects of an explosive charge ignited behind the projectile, and explosive means for removing said cover and effecting the positive relative axial movement of the sleeves to form the cone.

2,297,131
TOY RAILROAD TRACK SWITCH
Joseph L. Bonanno, Maplewood, N. J., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application December 6, 1940, Serial No. 368,806
10 Claims. (Cl. 246—220)



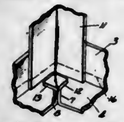
1. A toy railroad track switch having a shiftable switch tongue, a slidable shift bar connected with the tongue, a rockable bell crank for operating the bar, electromagnetic means for shifting the bell crank including a lost motion connection, an over-the-center spring acting on the bell crank to hold it in either extreme position, two electric switches each including a yieldable contact controlled by the shift bar and a fixed contact toward which the yieldable contact is biased, one yieldable contact being held against the corresponding fixed contact when the shift bar is held in an extreme position by the over-the-center spring, and a grounded fixed contact away from which the yieldable contacts are biased.

2,297,132
BOMB SIGHT FOR AIRPLANES
Romeo A. Bossi, Newton Center, Mass.
Application February 17, 1941, Serial No. 379,213
10 Claims. (Cl. 33—46.5)



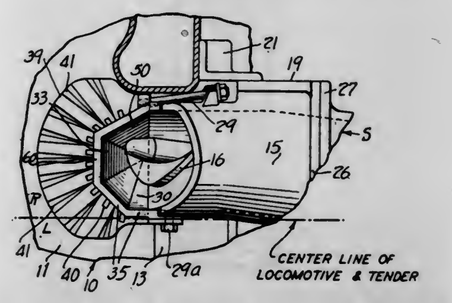
1. A bomb sight for an airplane comprising a reading telescope and a sighting telescope, arranged with their sight axes parallel and connected for common pivotal adjustment on an axis intersecting their sight axes at right angles to the fore and aft axis of the plane, a support for said pivotal axis mounted on the plane, a graduated scale mounted on the support opposite the path of the objective of the reading telescope, the graduations on the scale severally coinciding with the axis of the reading telescope directed to points on the ground intersected by the precalculated trajectories of a given bomb if released from the plane flying horizontally at a given velocity toward the point and at a given height thereabove, whereby, when the plane is flying with its fore and aft axis and said pivotal axis horizontal and with the reading telescope adjusted in alinement with the proper graduation and the flight of the plane continues under the same conditions, release of the bomb is determined by the point on the ground appearing on the axis of the sighting telescope.

2,297,133
STRUCTURAL DEVICE
Louis Burkhardt, Cleveland, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application December 1, 1939, Serial No. 307,149
4 Claims. (Cl. 229—16)



1. A structural joint comprising an angle member having one flange slit transversely thereof from its free longitudinal margin across and up to the point of intersection of said flanges, said flange also being bent along lines extending from said free margin to the end of the slit at said point of intersection to provide a pair of triangular portions arranged normal to said flange and secured together to hold portions of the other flange in angular relationship, and the ends of said triangular portions being extended in opposite directions and arranged in a plane to provide a support spaced from the plane of said other flange.

2,297,134
STOKER MECHANISM
Albert R. Chalker, Bellevue, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application May 2, 1938, Serial No. 205,394
4 Claims. (Cl. 110—105.5)



1. In combination with a furnace having an upright wall with a firing opening therethrough, a tubular stoker conduit extending in a general upward and forward direction and at its delivery end communicating with said firing opening, said conduit having its bottom inside surface substantially straight along the medial vertical plane of the conduit, the lower forward end of said conduit being provided with an upturned delivery spout disposed at one side of the medial vertical longitudinal plane of the furnace, and means in said conduit for conveying fuel through the conduit and the delivery spout, the inside surface of said spout being concave in transverse cross section and having a steeper slope on that side more remote from said medial vertical longitudinal plane of the furnace.

2,297,135
TREATED TEXTILE MATERIAL
Isaac P. Davis, Swarthmore, Pa., and Carl Schlatter, Wilmington, Del., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 1, 1941, Serial No. 400,692
12 Claims. (Cl. 57—140)

1. Textile material comprising an artificial yarn impregnated with an ester of an anhydro polyhydric alcohol with a saturated fatty acid having at least 10 carbon atoms.

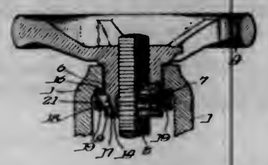
2,297,136
CLIMBING SPUR
Howard T. Detering, Klaber, Wash.
Application April 5, 1941, Serial No. 387,026
1 Claim. (Cl. 227—27)

A climbing device, comprising a keeper adapted to be removably secured to the leg of a wearer, a brace slotted at its upper end and adapted to be pivotally attached to said keeper to permit swinging movement between the brace and the keeper, a spike of arcuate formation, adjustably mounted to an arcuate portion of the brace near its lower end, a shoe clamping element adjustably and removably attached to the lowermost end of the brace, said clamping element comprising a shaft having one element of the shoe clamping element secured thereto in a fixed posi-

tion, and a companion clamping element adjustably and removably attached to the outer end of said shaft.



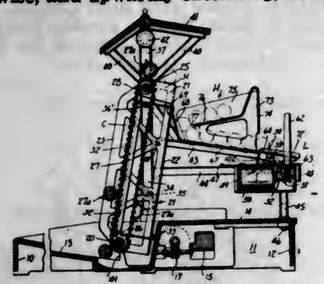
2,297,137
HANDWHEEL AND YOKE SLEEVE COMBINATION
Richard Fennema, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application July 2, 1941, Serial No. 400,753
5 Claims. (Cl. 74—424.8)



1. Actuating means for a valve or the like having a yoke and a rising non-turning threaded stem, comprising a handwheel and a yoke sleeve threadedly engaging said stem, the said yoke sleeve having an external annular groove thereabout, a separable multi-piece ring substantially thicker than the depth of the groove and placed in the groove with a portion projecting therefrom, means for holding the said multi-piece ring in fixed assembled relation within the said groove, the said yoke having an upper annular hub section with a lower annular portion, whereby the projecting portion of the said multi-piece ring coacts with the lower annular portion to distribute the stress load from the stem to the yoke.

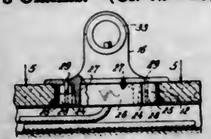
2,297,138
TOY LOG LOADING DEVICE
Henry J. Ferri, Port Richmond, Staten Island, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application March 4, 1941, Serial No. 381,631
11 Claims. (Cl. 214—41)

4. A toy log loader comprising a base, having a log storage bin, a log hoist including means adapted to transfer toy logs from the bin to guides spaced a substantial distance above the base and over which the logs roll, a hopper above the base and below the guides, the hopper having a sloping bottom and converging walls so that the logs rolling down the hopper are aligned lengthwise, and upwardly extending, downwardly



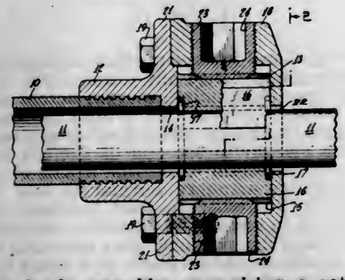
swingable stakes across the bottom of the hopper to retain the logs in the hopper.

2,297,139
FITTING
Charles Flachbarth, Philadelphia, Pa., assignor to Hervey S. Walker, Ardmore, Pa.
Application April 19, 1941, Serial No. 389,377
8 Claims. (Cl. 72—16)



2. A fitting for use with an underfloor duct system which includes a duct embedded and concealed within a floor structure and having outlets leading from openings in the duct to the floor surface, said fitting comprising a body, a flange near the lower end of the body and encircling the same and adapted to rest upon and overlie the floor material around the upper end of an outlet, a neck projecting downwardly from the flange and substantially coaxial therewith and adapted to be received in one of said outlets, said neck being of elongated cross-section and being cut vertically adjacent its ends to form outwardly movable portions, movable elements positioned within the neck adapted when moved in one direction to apply an outward force to said portions to move them outwardly to grip the inner wall of said outlet, and means extending through and operable from a position above the flange to so move said elements.

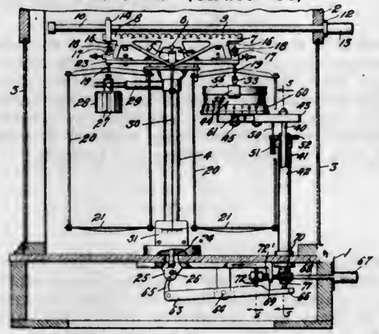
2,297,140
CHUCK
Henry O. Fossum, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application October 29, 1940, Serial No. 363,239
2 Claims. (Cl. 279—66)



1. A chuck assembly, comprising a rotatable chuck body having a longitudinal bore through

which a drilling or like tool may be passed, a pair of radially movable chuck jaws within said chuck body for gripping the tool, a housing partly enclosing said chuck body and having an annular rim paralleling said longitudinal bore, a plurality of oppositely disposed pairs of screw threaded transverse openings in the rim of said housing, means for securing said housing in a plurality of positions relatively to said chuck body to bring said pairs of openings selectively into a position exposing said chuck jaws, said means including securing element receiving means disposed parallel to said longitudinal bore and occupying spaced positions between said screw threaded transverse openings, and set screws extensible through a selected pair of transverse openings for moving said chuck jaws into gripping engagement with the tool, said screws being engageable throughout their length with the threads in said transverse openings and arranged in operating position to lie within the rim of said housing.

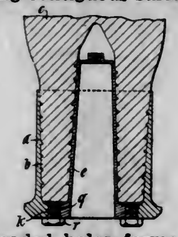
2,297,141
PRECISION BALANCE
John Gattoni, Union City, N. J., assignor to Seederer-Kohlbusch, Inc., Jersey City, N. J., a corporation of New Jersey
Original application February 8, 1938, Serial No. 189,314. Divided and this application March 11, 1940, Serial No. 323,412
5 Claims. (Cl. 265—54)



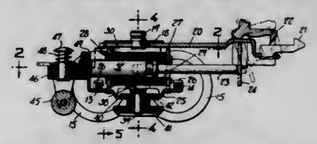
1. A balance comprising a standard, a beam having a knife edge pivoted on said standard, a movable cradle for lifting said beam on and off its pivot, a weight support pivotally suspended from said beam, a plurality of weights adapted to be stacked one on top of the other on said support, a weight lifting device mounted on said balance having means for selectively lifting various numbers of said stacked weights on and off said support, control means for operating said cradle, and means operated by said control means for preventing the operation of said weight lifting device when said beam is on its pivot.

2,297,142
SOCKET AND THE METHOD OF ITS ATTACHMENT TO THE ROOT ENDS OF AIR-SCREW BLADES, SPARS, STRUTS, OR THE LIKE
Henry Victor German, Howgate, Bembridge, Isle of Wight, England, assignor to Hordern-Richmond Aircraft, Limited, Chesham, England, a company of Great Britain and Northern Ireland
Application March 11, 1940, Serial No. 323,414
In Great Britain March 11, 1939
3 Claims. (Cl. 29—156.8)

1. The method of securing a socket to the root end of a non-metallic member, consisting in forming the socket in two parts, namely, an outer sleeve, and an inner plug, hollowing out the said root end and providing coacting screw threads on said socket, plug and root end whereby said socket and plug are secured to said root end, said socket and plug having contiguous surfaces and providing screw threaded holes formed partly in the socket and partly in the plug to receive a threaded locking screw whereby said plug and sleeve are locked against axial movement relative to one another without stressing the material of which the root end is composed and jointly resist removal therefrom.



2,297,143
TRUCK FOR TOY RAILROAD CARS
Charles V. Giaimo, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application September 14, 1940, Serial No. 356,804
10 Claims. (Cl. 213—212)

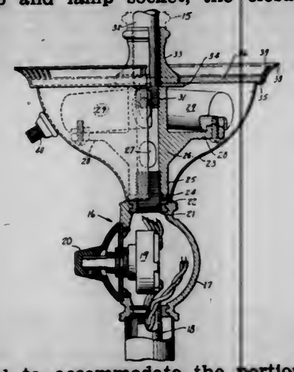


1. The combination with a toy car truck having a body adapted to be connected to a car body, the body having downwardly bent apertured sides, wheeled axles of smaller diameter than the vertical width of the apertures in the sides whereby vertical play between the body and the wheels and axles is possible, a frame carrying a horizontal magnet coil whose length is less than the spacing of the axles whereby the coil may be passed upwardly between the axles, means for fixedly securing the frame to the axles, a downwardly spring pressed current collector having limited vertical movement with respect to the frame whereby the contact will not partake of the vertical movements of the truck frame with respect to the axles, and a horizontally reciprocable armature carried by the coil and extending over one of the axles.

2,297,144
PORTABLE LAMP
James Gould, Jr., Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application March 22, 1941, Serial No. 384,654
5 Claims. (Cl. 240—81)

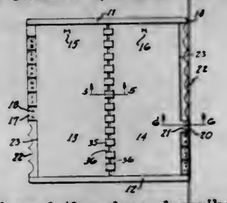
1. In a portable lamp, in combination, a base, a shade carrying head, and a tubular standard between the base and head including a hickey having a laterally extending arm, a substantially horizontal lamp socket and lamp carried by the arm, the lamp being close to the axis of the standard, a cup-shaped housing fixedly secured to the standard below the hickey and extending

upwardly outside the socket and lamp, and a light transmitting closure carried by the housing above the lamp and lamp socket, the closure being



apertured to accommodate the portion of the standard extending upwardly from the hickey and being upwardly movable to give access to the lamp inside the fixed housing.

2,297,145
MEMO PAD INDEX AND HINGE THEREFOR
John H. Groat and Luther L. Adcox, Portland, Oreg.; said Groat assignor to said Adcox
Application January 22, 1940, Serial No. 315,052
2 Claims. (Cl. 129—1)



1. In a device of the class described, a hinge base consisting of a flat, elongated strip having two parallel rows of slots formed along the length thereof, the slots in one row being shorter than the slots in the other row, the divisions between the longer slots registering with the opposite shorter slots, a hinge base element associated with said base consisting of an elongated channel of U shaped cross section having the edges of its open side flared outwardly, one of said flared edges being slotted to the other flared edge forming a plurality of short resilient prongs registering with the shorter slots in said hinge base, the second flared edge being slotted to form long prongs registering with the longer slots in said hinge base, each of the slots in the second flared edge being in alinement with a short prong of the first flared edge.

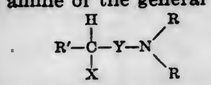
2,297,146
UNITARY TUBE SUPPORTING BAND
Howard P. Guiri, East Chicago, Ind., assignor to The Superheater Company, New York, N. Y.
Application November 23, 1940, Serial No. 366,832
4 Claims. (Cl. 248—49)



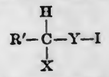
3. A band for parallel superheater tubes grouped about the axis of a boiler flue comprising a single metallic strip formed substantially midway of its length with several spaced arcuate portions engaging inwardly facing parts of the tube surfaces and with several intervening flat portions extending generally normal to the tube surfaces to space them apart, the two end sections of said strip being formed with arcuate portions contacting outwardly facing tube surfaces and intermediate flat portions lying parallel to the flat tube spacing portions of the middle section of said strip and the extreme end portions of the strip being positioned adjacent one of said tube spacing portions of the middle section of the strip; and means securing the extreme end sections of said strip to the adjacent part of said middle section.

2,297,147
SYNTHESIS OF CARBON-HALOGENATED ALKYL AMINES
Henry B. Hass, West Lafayette, Ind., and Hal C. Huffman, Long Beach, Calif., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application August 14, 1940, Serial No. 352,518
14 Claims. (Cl. 260—583)

1. The process-step in producing a carbon-halogenated amine of the general formula:

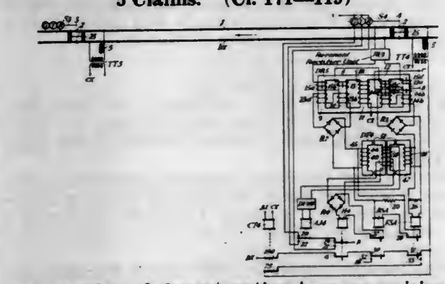


in which R and R' each represents a member of the class consisting of hydrogen atoms and alkyl groups, Y represents an acyclic divalent saturated lower-hydrocarbon radical and X represents a middle halogen, which consists in selectively aminating the carbon atom holding the iodine atom in a compound having the formula:



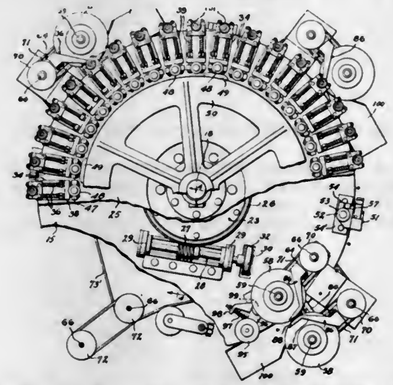
in which R, R', X, and Y have the same significance as above, by reacting that compound with a reagent of the class consisting of ammonia and primary and secondary lower-alkyl amines.

2,297,148
RAILWAY SIGNALING APPARATUS
Claude M. Hines, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application June 23, 1939, Serial No. 280,731. Divided and this application April 12, 1940, Serial No. 329,317
5 Claims. (Cl. 171—119)



1. A relay of the saturation type comprising a five-legged magnetizable core having two magnetic circuits both including a common central leg and two independent legs of said core, a primary winding disposed on the central leg of said core and normally supplied with alternating current, a saturation winding for controlling the reluctance of said two magnetic circuits and comprising four coils one disposed on each of the four independent legs of said core, said four coils being connected in series in such manner that the resultant voltage normally induced therein in response to said alternating current in said primary winding is substantially zero and being effective when supplied with unidirectional current of a given magnitude to magnetically saturate each of said two magnetic circuits, a biasing winding for modifying the saturating effect of said saturating winding on one but not the other of said two magnetic circuits and comprising two coils one disposed on each of the two independent legs of said one magnetic circuit, said two coils of said biasing winding being connected in series in such manner that when said two coils of the biasing winding are supplied with unidirectional current the magnetic flux created thereby opposes the magnetic flux created by the two coils of the saturation winding disposed on the said one magnetic circuit, and a secondary winding comprising two coils disposed on each of the two independent legs of one of said magnetic circuits, said two coils of said secondary winding being connected in series in such manner that any voltages induced therein in response to the alternating current in said primary winding are additive.

2,297,149
GLASS CUTTING MACHINE
Robert H. Houck, Joseph F. Greene, and Oswald Behrend, Vineland, N. J., assignors to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application July 2, 1938, Serial No. 217,272
7 Claims. (Cl. 49—48)



1. In a rod cutting machine, a carrier table rotatable about a vertical axis, means for continuously rotating said table, a plurality of rod guides for positioning rods vertically on said table, a plurality of clamps on said table adapted to hold said rods in predetermined relation to the table, a rotatable scoring saw positioned in the path of said rods, means for rotating said saw, means for breaking said rods after engagement thereof with said saw, means for releasing said clamps after the rods are broken whereby the rods will be lowered by gravity, yieldable guide means for limiting the lowest position of the rods after release thereof, and means for closing the clamps after the rods have been guided to said lowest position.

2,297,150
TENT
Robert H. Hunter, Cleveland, Ohio
Application December 31, 1940, Serial No. 372,440
9 Claims. (Cl. 135—1)



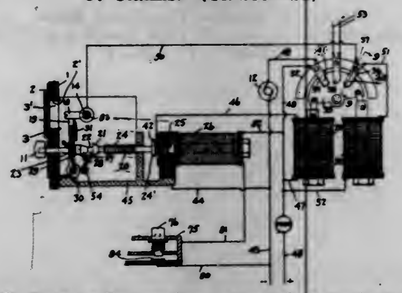
1. A tent comprising a plurality of flexible wall panels which converge upwardly and are joined by flexible tubular wall portions, inflatable air-tight flexible stretchable tubes in said tubular wall portions adapted to hold the tent erect, the tubes having limited stretch longitudinally, and means connected to the tubes and extending longitudinally along the same to localize such stretch whereby to maintain the tubes in definite curved form when inflated.

2,297,151
CLOTHESLINE FASTENER
Edward Jabs, Cleveland, Ohio
Application December 10, 1941, Serial No. 422,436
1 Claim. (Cl. 24—134)



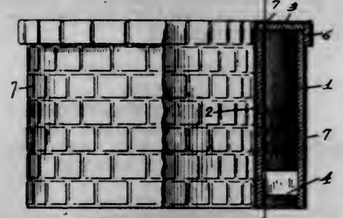
In a clothes line fastener, an elongated frame of bar-like metal having front and rear hook-shaped ends opening toward each other, the rear end having an eye bolt swiveled thereon for attachment of said rear end to a fixed support, a bell crank lever including an operating arm extending laterally out of the rear end and a forwardly extending clamping arm, said lever being pivoted at the juncture of said arms in said rear end for rocking movement in opposite directions, an oblong clamping cam pivoted at one end in the front end of the frame to extend rearwardly and for rocking movement in opposite directions, and having a forked rear end extension at one side thereof and a groove in the rear end for receiving the line, a clamping lug extending laterally from said clamping arm for coaction with said rear end of the clamping cam and a second lateral lug extending from the clamping arm into said forked extension whereby under rocking of said lever in one direction the grooved end of the clamping cam and said clamping lug will be rotated toward each other to clamp the line therebetween, said end of said cam and clamping lug being constructed and arranged to rotate toward a dead center relation to clamp said line.

2,297,152
AUTOMATIC RADIO TUNING CONTROL
William L. Jacke, San Jose, Calif., assignor to Philco Corporation
Application November 20, 1928, Serial No. 320,667
37 Claims. (Cl. 250—20)



12. In a radio receiver, a panel, a tuning element, and means for controlling the adjusted position of said element including a plurality of adjustable elements located adjacent said panel, said panel having an opening affording access to said elements for adjustment purposes, and a detachable cover-plate normally closing said opening.

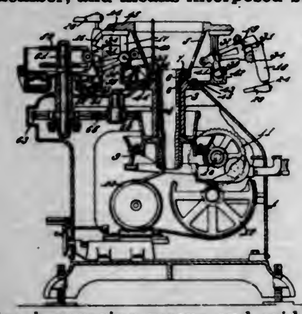
2,297,153
SCENIC WELL
John Johnson, San Francisco, Calif.
Application May 3, 1941, Serial No. 391,733
2 Claims. (Cl. 41—10)



1. In a new article of manufacture, a scenic well comprising an outer cylindrical shell; an inner cylindrical shell arranged in concentric spaced relation within said outer shell; a top ring mounted on the upper ends of said shells to connect the same, said shells and ring forming a supporting structure; and a fabricated weatherproof sheathing mounted upon the inner, outer and top portions of said structure; said sheathing bearing on its exposed surface a simulation of a permanent building material.

2,297,154
BEVERAGE MIXER
James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application January 6, 1939, Serial No. 249,569
22 Claims. (Cl. 25—54)

1. An apparatus for mixing the contents of a container, the combination with a member moving in a fixed path, of means on said member for supporting a container and journalled on said member for oscillating movement thereon in a plane substantially transverse to the plane of movement of the member, a stationarily mounted irregular cam track, means carried by said member and engaging said cam track drivingly imparting an oscillating movement in both directions to said supporting means as a result of said relative movement between the cam track and member, and means interposed between said



cam track engaging means and said supporting means for accelerating the speed of movement imparted thereto by the cam-engaging means.

2,297,155
CUTTING DEVICE
Serge M. Laschinsky, New York, N. Y.
Application December 19, 1941, Serial No. 423,652
6 Claims. (Cl. 30—194)



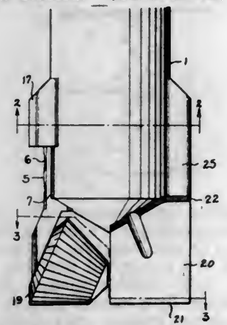
1. A cutting device comprising a coupling member, a first cutter jaw, a pair of arms pivoted at one end to said coupling and at the other end to said jaw, said coupling, said arms and said jaw constitutitng a parallel motion linkage, a second cutter jaw pivoted to the first cutter jaw, and a link connecting the second cutter jaw to one of said arms at a point on the arm spaced from its point of connection with said first cutter jaw, said last mentioned arm, said link and said jaws constituting a compound lever cutter.

2,297,156
MACHINE FOR MAKING "GEM" PAPER CLIPS
Frank Magidson, Pittsburgh, Pa., assignor to Pittsburgh Cut Wire Company, a corporation of Pennsylvania
Application October 30, 1941, Serial No. 417,130
18 Claims. (Cl. 140—82)



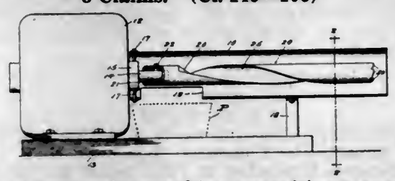
1. In a machine for making "Gem" paper clips from wire, spindles mounted for partial rotation, mandrels extending through said spindles, means for feeding wire past said spindles, means for rotating said spindles, means carried by said spindles for bending said wire around said mandrels to form the loops of the clip, means for reciprocating said mandrels in a step by step manner, and means forming part of the mandrels about which the end loops of the clip are formed for expanding such loops while the clip is held by the wire bending means.

2,297,157
DRILL
John McClinton, Houston, Tex.
Application November 16, 1940, Serial No. 365,909
2 Claims. (Cl. 255—61)



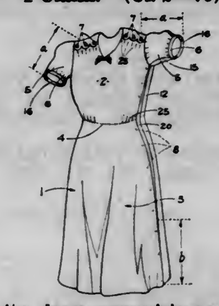
1. A drill for forming an earth bore comprising a head, an anchor depending from the head at one side having a downwardly and outwardly inclined bearing face, a frusto-conical rolling cutter mounted on the anchor to bear against said face and to rotate on an axis perpendicular to said face and having peripheral teeth thereon to engage the bottom of the bore and outer end teeth to engage the side wall of the bore, a cutter blade on the head positioned substantially opposite the rolling cutter and adapted to cut the material at the bottom of the bore disintegrated by the rolling cutter, a stabilizing guide on the head and in approximate alignment with the cutter blade and a reamer on the head in approximate alignment with the rolling cutter and disposed approximately opposite the guide and having a forwardly directed reaming edge.

2,297,158
BUN CORING MACHINE
Jesse D. McDonald, Enid, Okla., assignor of one-third to John E. Thomas, Enid, Okla.
Application December 24, 1941, Serial No. 424,355
8 Claims. (Cl. 146—106)



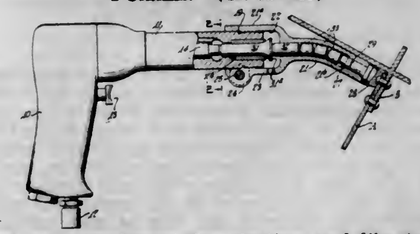
1. A bun coring machine comprising a support and a short driven shaft projecting therefrom, a bun-guiding sleeve concentric with said shaft and of a diameter to receive and contact with a bun or the like to be cored, said sleeve having an inner end secured to said support, the outer end of said sleeve being open to permit pushing of a hand-held bun or the like into said sleeve, and a core-removing member secured to said shaft and disposed longitudinally within said sleeve, said bun-guiding sleeve and said core-removing member being fixed against longitudinal movement with respect to each other, said core-removing member having means at its outer end for cutting a cylindrical bore in the bun as the latter is pushed into said sleeve, said core-removing member also having helical means extending longitudinally thereof for feeding the removed crumbs from said bore toward said support, the bottom of said sleeve having an opening near said support through which said crumbs are discharged by gravity.

2,297,159
GARMENT
Grace M. Mohler, Cleveland, Ohio
Application September 24, 1940, Serial No. 358,120
1 Claim. (Cl. 2—76)



A maternity dress comprising a unitary front panel and a similar back panel, each being of fixed design and consisting of a waist section and a skirt section seamed together to define the waistline of the garment, the panels being shaped to provide, when assembled, a neck opening and armholes, means for separably connecting said panels together along the shoulders between the neck opening and the armholes, front and back sleeve parts attached to the waist sections of the respective front and back panels about the armholes, means for separably connecting together the outer ends of the front and back sleeve parts, expansion tabs extending along and connected to the lateral edges of but being otherwise distinct from the back panel, the lateral edge portions of the front panel being adapted to be lapped to a greater or less extent as single layers over said tabs, and fastening means for connecting the lateral edges of the front panel to the tabs, said fastening means consisting of separable parts that are carried, respectively, by the edge portions of the front panel and by the tabs, those on the tabs being adapted to be shifted laterally thereof.

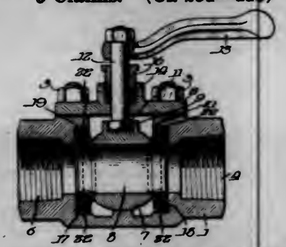
2,297,160
ANGLE RIVETER ATTACHMENT
Joseph Nally, Amityville, N. Y., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application March 9, 1940, Serial No. 323,074
4 Claims. (Cl. 78—49)



1. An attachment for riveting and like tools

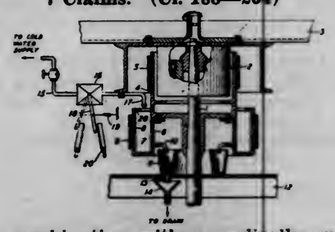
comprising a curved tubular casing constructed as a tool cylinder extension and having an outer work engaging end so disposed with respect to the inner end thereof as to be brought into engagement with the work by an axial movement of the tool cylinder, the inner end of said casing being enlarged to receive the forward end of the tool cylinder and formed with means for adjusting the casing to a plurality of set positions relatively to the tool cylinder, a die supported at the outer end of said tubular casing and having a shank extending into said casing, and a train of anvil elements arranged within said casing to transmit impacts to said die, said train of elements being arranged with its forward end engaging the shank of said die and with its rearward end adjacent the inner end of said casing in position to receive impacts.

2,297,161
SEAT RING FOR ROTARY VALVES
Norman B. Newton, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application August 25, 1941, Serial No. 408,165
5 Claims. (Cl. 251—113)



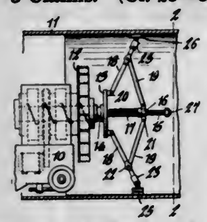
1. A plug type valve comprising a body having an inlet and an outlet, flexible elastic seat rings mounted in the said body, the said flexible elastic seat rings having a normal contour projecting inwardly at their central portions toward each other, a spheroid formed closure member having an aperture therethrough, the said closure member being mounted between the said flexible elastic seat rings, whereby the inwardly extending contour of the said seat rings is changed to a substantially flat contour.

2,297,162
WATER COOLED BRAKING
Charles A. Olcott, West Milford, N. J.
Application February 14, 1941, Serial No. 378,893
7 Claims. (Cl. 188—264)



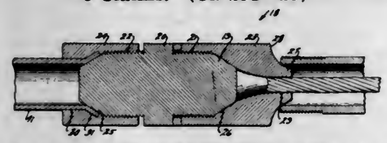
1. In combination with a cyclically operated centrifugal machine, a friction brake for said machine comprising a rotating brake drum, an annular gutter comprising said brake drum for retaining cooling liquid walled up therein while the drum is rotating, means for introducing cooling liquid into said gutter while said machine is at rest, means responsive to the starting of said machine for stopping the flow of said cooling liquid into said gutter, and overflow means for carrying off from said gutter any cooling liquid in excess of the amount which can be retained in said gutter while said machine is operating.

2,297,163
TROWELING MECHANISM FOR PIPE COATING APPARATUS
Albert G. Perkins, Warsaw, N. Y., assignor to Centriline Corporation, Ampere, N. J., a corporation of Delaware
Application January 9, 1941, Serial No. 373,810
8 Claims. (Cl. 25—38)



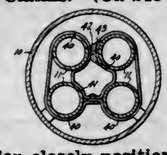
1. A troweling mechanism for pipe coating apparatus, comprising a revolving head, flexible means applied to said head for movement by centrifugal force to a projected position, means correlated with said flexible means for positively guiding the same in a radial path to and from a troweling position, means operatively associated with said flexible means for normally urging the latter to a retracted position, and a trowel applied to the outer end of said flexible means.

2,297,164
PIPE REPLACING APPARATUS
John E. Rainwater, Cedartown, Ga., assignor of one-half to Daniel L. Roberts, Jr., Cedartown, Ga.
Application July 1, 1941, Serial No. 400,655
6 Claims. (Cl. 254—29)



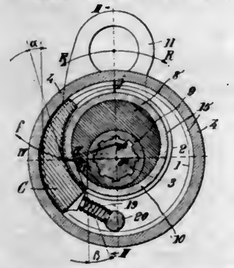
1. A pipe pulling and replacing assembly comprising a winch, a cable passing through the pipe to be pulled, and a pipe pulling device attached to the extremity of the cable, said device being of greater diameter than the pipe to be replaced and being provided with means to grip the replacement pipe, whereby the pipe to be replaced will be withdrawn and the replacement pipe pulled into position by movement of the cable towards the winch.

2,297,165
TUBE BAND
Charles Ringel, Hawthorne, N. J., assignor to The Superheater Company, New York, N. Y.
Application November 26, 1940, Serial No. 367,207
4 Claims. (Cl. 248—49)



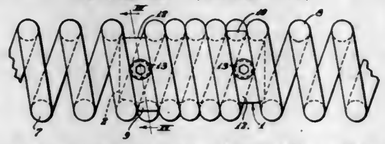
3. A band for closely positioned parallel tubes comprising narrow metallic strip material shaped to form a plurality of tube embracing loops one of which is formed intermediate the side edges of the strip portion lying between the tubes with a depression in the face contacting the related tube to provide a projection extending toward and contacting the loop embracing the adjacent tube for spacing the tubes apart.

2,297,166
FREE WHEELING MECHANISM
Leo Robin and Mathieu van Roggen, Sprimont, Belgium
Application April 21, 1939, Serial No. 269,255
In Belgium April 29, 1938
7 Claims. (Cl. 192—41)



1. In a device of the type described, two rotatable coupling elements comprising, respectively, a driving part and a driven part forming opposed arcuate surfaces, gearing connecting said parts whereby, upon relative rotation therebetween, to roll one surface with respect to the other, and obstacle means interposed between said surfaces and engageable therewith to provide freedom of rotation of said driving part relative to said driven part in one direction only, the mutually engageable portions of said obstacle means and the arcuate working surface of at least one of said parts being formed of at least one projection substantially wedge-shaped in cross section on one of said portions, the other of said portions being complementarily recessed, the wedge angle of said projection, measured radially of the last-mentioned arcuate working surface being greater than 6°, the wedge angle of said projection, measured tangentially of said last-mentioned arcuate working surface being less than 6°.

2,297,167
COUPLING
Kyle I. Robinson, Bolivar, and Lawrence R. Robinson, Zelienople, Pa., assignors to Pittsburgh Pipe Cleaner Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 27, 1941, Serial No. 400,010
10 Claims. (Cl. 287—75)



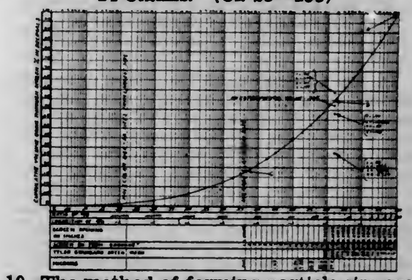
1. A coupling for a pair of helically coiled driving members, said coupling comprising connecting means provided with a peripheral thread for receiving from both ends the end portions of said coiled members, and stop means projecting from opposite sides of said connecting means for engagement by the ends of said members, whereby when the coiled members are rotated while their ends are in engagement with said stop means the attached connecting means is forced outwardly forceably into contact with said coiled members.

2,297,168
BLACK-OUT DIMMER
Max Rosenberg, New York, N. Y.
Application January 30, 1942, Serial No. 428,961
4 Claims. (Cl. 240—48.4)



1. A blackout attachment for lamps, comprising a sheet of flexible opaque material adapted to be applied to the light-transmitting face of a lamp and having a light-transmitting aperture therethrough, said sheet being provided with slits at opposite sides of said aperture, a light-dimming sheet of translucent material having its opposite edges inserted through said slits and held thereby against said aperture to form a dimming closure therefor, and means at the periphery of said sheet for detachably connecting the attachment as a whole to the light transmitting face of said lamp.

2,297,169
METHOD OF PARTICLE SIZE GRADING AND PRODUCT
Donald W. Ross, Washington, Pa.
Application November 12, 1941, Serial No. 418,832
14 Claims. (Cl. 25—156)

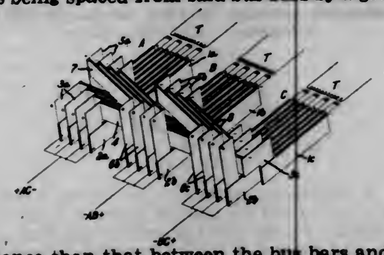


10. The method of forming particle size gradations that comprises grading fines according to the formula $y=x^3$, in which y=the part of the whole that will pass through any given screen having segregating action, and x=the size of the mesh that screen expressed as a function of the ratio of such mesh size to the largest particle size of the fines, and compounding the so-graded fines with a body of coarser particles in such proportion that the coarser particles stand substantially free from contact with each other in the body of the fines.

2,297,170
HEAVY DUTY DELTA CONNECTION
Harold H. Rudd, Greensburg, Pa., assignor to Railway and Industrial Engineering Company, Greensburg, Pa., a corporation of Delaware
Application June 12, 1941, Serial No. 397,822
12 Claims. (Cl. 171—97)

1. In a bus system for establishing delta output connections for a three-phase transformer having for each phase multiple section secondary windings with transversely alined and interleaved positive and negative terminals, sets of horizontally alined bus bars with alined end portions to be secured to the terminals of the windings of the several phases, and connecting members joining the bus bars of opposite polarity of adjacent phases; said connecting members including horizontally alined connecting bars

spaced vertically from said bus bars, and the connecting bars between adjacent sets of bus bars being spaced from said bus bars by a greater



distance than that between the bus bars and the connecting bars that extend between the outer sets of bus bars.

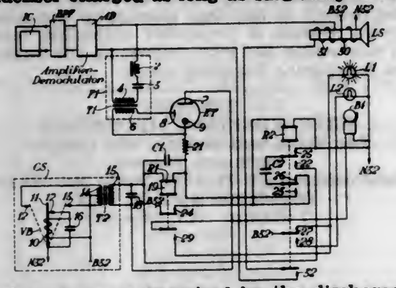
2,297,171
CLEANSING APPARATUS
Rex H. Sanford, Duluth, Minn.
Application November 20, 1940, Serial No. 366,339
11 Claims. (Cl. 141—9)



1. In an apparatus of the class described, a container in which dishes and the like to be cleansed may be arranged and into and from which a cleansing solution may freely pass, a cleansing solution receiver disposed about said container and into which a cleansing solution may be introduced, a plurality of impeller members disposed about said container and including parts adapted to extend into a solution introduced into said receiver, said impeller members being so disposed and being so operative as to forcibly eject solution from said receiver over and onto dishes or the like in said container from a plurality of positions, and means interconnecting said impeller members to effect conjoint operation of said impeller members and including a flexible member interconnecting said impeller members, said flexible member being disposed in a generally horizontal plane within said receiver and above the solution therein.

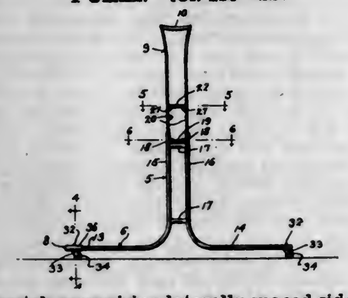
2,297,172
RECEIVING APPARATUS FOR TRAIN COMMUNICATION SYSTEMS
Andrew J. Sorensen, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 2, 1941, Serial No. 372,902
11 Claims. (Cl. 179—82)

1. Receiving apparatus for a train communication system comprising, a demodulator operable to demodulate a communication current consisting of a carrier current modulated by a given voice frequency band, a filter connected across the output terminals of said demodulator and tuned to pass only energy of a preselected frequency within said voice frequency band, an electron tube, a control relay, means to connect said electron tube to said filter and said relay to said tube to cause energization of said relay as long as energy is passed by the filter, a condenser, means controlled by said relay to maintain said condenser charged as long as said relay is ener-



gized, and means energized by the discharge of said condenser when said relay is deenergized to provide an indication.

2,297,173
MOBILE CRUTCH
Charles W. Shipman and Robert A. Duncan, Flint, Mich.
Application March 22, 1941, Serial No. 384,770
1 Claim. (Cl. 155—22)

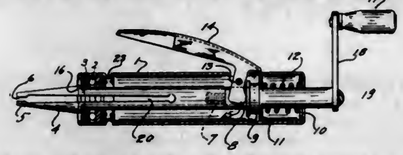


A crutch comprising laterally spaced side members of substantially inverted T-shape, shoulder rests on the upper ends of the side members, a tubular U-shaped cross-bar having its arms loosely rockingly receiving the certain ends of the base portions of the side members, said arms of the cross-bar being provided with vertically aligned round apertures in register with vertically aligned circumferential slots in the ends of the side members disposed therein, bearing blocks in those ends of the side members disposed in the arms of the cross-bar and having circumferential slots therein registering with those in the aforesaid ends of the side members, castor wheels supporting the opposite ends of each T-shape side member and trunnions formed on the castor wheels, certain of which passing through the aforesaid registering apertures and slots and housing connecting the cross-bar to the ends of the side members loosely disposed therein while the others pass through round apertures in the opposite ends of the side members.

2,297,174
WIRE TWISTING DEVICE
Wilfred E. Tabb, Cleveland Heights, and William Paul, South Euclid, Ohio, assignors to Jack & Heintz, Inc., Cleveland, Ohio
Application March 5, 1942, Serial No. 433,470
1 Claim. (Cl. 140—119)

In a wire twisting device, a body portion and a split spring metallic rod with wire gripping

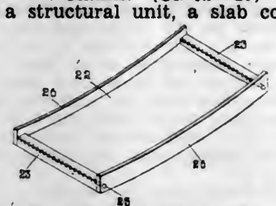
jaws slidably and rotatably mounted in said body portion with said jaws protruding outwardly therefrom and resilient means for normally maintaining same in said position with said jaws spaced apart, said jaws having an enlarged head and a bevel surface, a restricted size bearing assembly carried by said body portion for engaging said bevel surface, a pivoted hand lever carried by said body portion and engaging said rod and maintained normally in extended position under the influence of said resilient means, said lever being graspable with the body portion by one hand so as to slidably retract said jaws and



to force the same in closed engagement with the wire to be engaged as said bevelled head rides on the confining surface of said restricted bearing assembly, said rod carrying at its other end a handle engageable by the other hand to rotate the rod and its closed wire engaging jaws to effect a twisting of the wire, as said head engages said bearing assembly in bearing relationship, said resilient means, upon release of manual clamping pressure on said operating lever, being adapted to effect the return of said head to normal outer position and said clamping jaws to open spaced relationship.

2,297,175
BUILDING OR STRUCTURE
Robert Greenwood Tarran, Kingston-upon-Hull, England, assignor to Solid Cedar Homes Limited, Kingston-upon-Hull, England, a company of Great Britain
Application March 12, 1941, Serial No. 383,053
In Great Britain March 26, 1940
7 Claims. (Cl. 72—40)

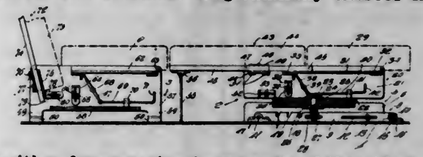
1. As a structural unit, a slab comprising a



longitudinally curved concrete web and similarly longitudinally curved wooden flanges rigidly connected to said web and projecting from opposite longitudinal edges thereof in a direction inwardly of the web curvature, said wooden flanges serving as means by which laterally adjacent precast units are interconnected during assembly of the units to form a structure.

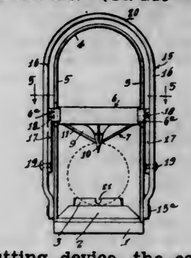
2,297,176
COMBINED AUTOMOBILE CHAIR AND BED
Arthur S. Thompson, Ontario, Calif.
Application August 4, 1941, Serial No. 405,414
6 Claims. (Cl. 155—7)

6. A vehicle chair comprising a seat having side panels, a cradle extending transversely of the chair between rear end portions of the side panels and consisting of hangers pivoted at their upper ends to inner faces of the side panels and cross strips, the hangers having front and rear flanges and the cross strips being secured to rear faces of the rear flanges, a back for the chair having side bars engaged in the hangers between the front and rear flanges thereof with their lower portions projecting from the hangers, and abutment brackets carried by the side panels and shiftable longitudinally thereof into



position for engaging lower ends of the side bars and holding the back at a predetermined angle, the side bars being shiftable longitudinally through the hangers out of engagement with the brackets to permit tilting of the back to a reclining position.

2,297,177
FRUIT CUTTING APPARATUS
Frank E. Tiffany, Claremont, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Application June 19, 1940, Serial No. 341,293
4 Claims. (Cl. 146—160)

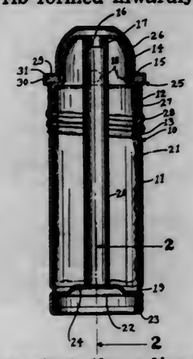


1. In a cutting device, the combination of a base to rest upon a support, a bail having substantially vertical side bars attached to the base, said base having a holder for the article to be cut, including an annular part, a cutter having a center to penetrate the article to be cut, a plurality of substantially radial blades extending outwardly therefrom, a cutter frame guided on said bars and removably carrying said cutter, and an operating lever for the cutter normally disposed in a substantially vertical plane, for forcing the same down toward the base, mounted to swing in a plane transverse to the plane of said side bars, having side forks pivotally attached at their lower ends to the outer sides of the side bars, and having means attached to the inner sides of the forks connecting the same with the cutter frame for enabling the lever to operate as a lever of the second class in actuating the cutter.

2,297,178
INHALER CONTAINER
Emerson H. Tompkins, Waterbury, and Allan C. Hoffman, Milldale, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 21, 1940, Serial No. 325,176
5 Claims. (Cl. 128—200)

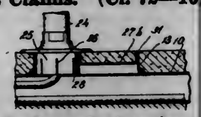
1. An inhaler device comprising a container shell having a reduced closed end and an open opposite end, the closed end having a discharge opening with an inwardly disposed sleeve surrounding said opening, a longitudinal tube having one end telescope over said sleeve to be held

in central position within said shell, a cap closing the open end of said container, and a single longitudinal rib formed inwardly of said cap for



engagement against the adjacent end of said tube to maintain the latter in assembled position and allow for the maximum intake passage into the adjacent end of the tube.

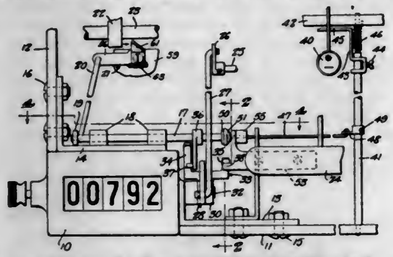
2,297,179
UNDERFLOOR DUCT SYSTEM
Hervey S. Walker, Ardmore, Pa.
Application April 19, 1941, Serial No. 389,380
2 Claims. (Cl. 72—16)



2. In an underfloor duct system, the combination of a metal tube of generally rectangular cross-section mounted within the floor structure at a distance below the finished floor surface, the tube having an opening in its upper surface having generally parallel sides extending lengthwise of the tube and rounded ends, a tubular insert mounted in the opening and extending upwardly from the tube substantially to the finished floor surface, the insert being of the same general cross-sectional shape as the opening, a cap closing part of the upper end opening of the insert, the cap having a curved wall at one end which with the adjacent inner wall of the insert defines a circular opening, and an outlet fitting having a neck of circular cross-section entering said circular opening, said neck having expanded portions which tightly engage the walls defining the opening and hold the cap in firm engagement with the curved end wall of the insert remote from said opening.

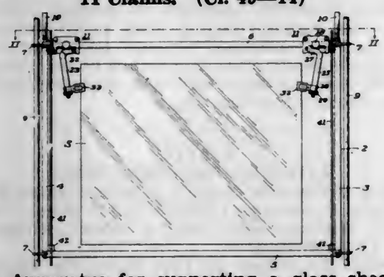
2,297,180
TYPEWRITER WORD COUNTER
Edward Arthur Walsh, Jamestown, N. Y.
Application July 21, 1941, Serial No. 403,403
2 Claims. (Cl. 235—102)

1. In a typewriter having a carriage, a spacer bar, typing keys, a hyphen key and a word counting register, a lever for cocking the register having a branched free end, a projection on the spacing bar engageable with one branch of the lever to cock the register, a rotatable and shiftable main shaft rocked by the carriage during return movement to beginning of line position having a crank arm engageable with the other branch of the lever to cock the register, means for registering a number actuated by the first key depressed after the register is cocked, a pull rod means actuated by the hyphen key at the end of a typed line to shift the main shaft endwise and move



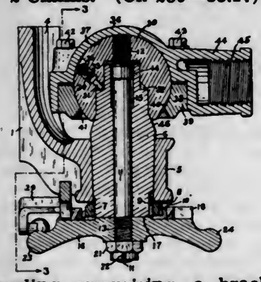
the crank arm to inoperative position with relation to said lever, and cam means on the spacer bar for shifting the main shaft back to normal position to reset the crank arm.

2,297,181
GLASS SUPPORTING APPARATUS
Theodor G. Weihs, Pittsburgh, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 15, 1940, Serial No. 352,739
11 Claims. (Cl. 49—14)



1. Apparatus for supporting a glass sheet in substantially vertical position during the tempering thereof comprising a supporting member, a pin mounted on the supporting member for movement about a substantially horizontal axis, a clamp arm depending from and pivotally mounted on the pin for movement about a subangles to the axis of said pin, and clamping fingers for clamping on a glass sheet carried by said clamp arm, said fingers being rotatable stantially horizontal axis extending at right about the arm.

2,297,182
TRAILER COUPLING
Dewey S. Weiss, Portland, Oreg.
Application May 20, 1940, Serial No. 336,196
2 Claims. (Cl. 280—33.17)



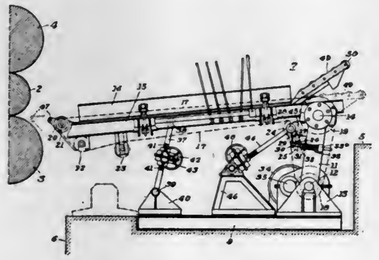
1. A coupling comprising, a bracket formed and adapted for attachment to a tractor vehicle to provide a rearwardly extended tapered socket,

a tubular ball-pin removably secured in said socket and extending upwardly therefrom, a screw axially slidable and rotatably disposed within said tubular ball-pin adapted for extension thereabove, a ball formed with a recess for engagement upon said ball-pin and threaded to receive said screw, a spring urged bolt disposed within said ball to extend into the recess in said ball to engage said ball-pin to prevent rotation of the ball upon the ball-pin, and ball-socket means permanently engaged upon said ball formed and adapted for attachment to a trailer tongue.

2,297,183
COMPOSITION FOR WATERPROOFING PERMEABLE MATERIAL
Constantine F. Fabian, Brookfield, and James B. Lee, Danbury, Conn., assignors to Lee Bros. Hats, Inc., Danbury, Conn., a corporation of Connecticut
No Drawing. Application October 11, 1939, Serial No. 298,977
7 Claims. (Cl. 106—268)

1. A liquid waterproofing composition containing a gel formed from a hydrocarbon vehicle and an aluminum salt of a fatty acid of high molecular weight of the group consisting of oleic acid, stearic acid and palmitic acid, said gel being dispersed by and said composition containing a liquid ester of an organic acid of the group consisting of ethyl acetate, butyl acetate and amyl acetate.

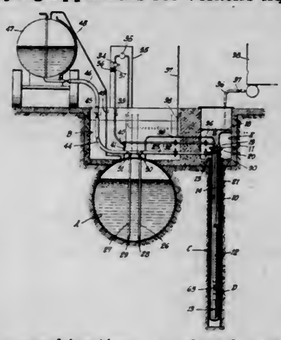
2,297,184
SHEET HANDLING APPARATUS FOR ROLLING MILLS
Fred H. Fanning, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application September 22, 1939, Serial No. 296,058
5 Claims. (Cl. 80—45)



1. Sheet handling apparatus for rolling mills comprising a support, an endless conveyor carried by the support and having a generally horizontally extending sheet supporting reach and another reach extending generally downwardly therefrom, a base fixed relatively to the mill floor, driving means for the conveyor mounted on said base, said driving means including a fixedly positioned driving shaft and a driving member carried by said shaft and engaging the generally downwardly extending reach of the conveyor, and adjustable length means extending between the base and a portion of the support for generally horizontally adjusting the position of the generally horizontally extending reach of the conveyor.

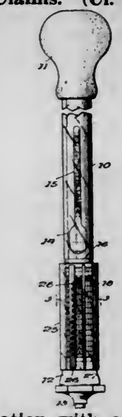
2,297,185
PUMPING APPARATUS
Aladar Hollander and Vaino A. Hoover, Los Angeles, Calif., assignors to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application June 11, 1940, Serial No. 339,896
12 Claims. (Cl. 103—113)

1. Pumping apparatus for volatile liquids com-



prising in combination: a closed storage container; a discharge line; a pump for delivering liquid from said container to said discharge line; said pump having an outlet connected to said discharge line and having an inlet positioned below the level of liquid in said container; conduit means connecting said container with said pump inlet, a portion of said conduit means being disposed at a higher level than the liquid level in said container; and auxiliary pumping means connected between said conduit means and said container for transferring vaporized pump liquid from said conduit means back to said storage container.

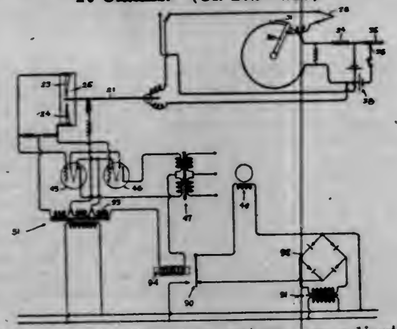
2,297,186
HYDROMETER
John Z. Hoyer, Conshohocken, Pa., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application January 2, 1940, Serial No. 312,124
4 Claims. (Cl. 265—46)



1. In combination with a hydrometer having a transparent barrel and a float therein, said float having a specific gravity scale thereon, a thermometer in said barrel, a temperature scale adjacent said thermometer and disposed in predetermined relation to the thermometer, an arcuate chart mounted concentrically on, said bar-

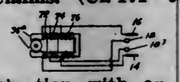
rel and having thereon figures arranged in vertical and horizontal series, said figures representing freezing points of the solution being tested, one of said series corresponding to temperatures of the solution as indicated by said thermometer scale, the other of the series corresponding to specific gravities of the solution as indicated by said float scale, and a curved sleeve on said barrel mounted for movement relative to said chart, said sleeve being positioned in the zone of said thermometer below the hydrometer scale and having an opaque portion the edge of which is parallel with one of said series, the figures on said chart being visible through said sleeve adjacent said portion, said portion having thereon indicia similar to the indicia on one of said scales and adjacent said edge.

2,297,187
POTENTIOMETER
Manfred J. Johnson, Naugatuck, Conn.
Application May 9, 1939, Serial No. 272,606
10 Claims. (Cl. 172—239)



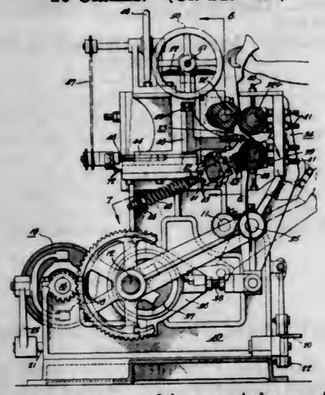
8. In a potentiometer system, an adjustable slide wire; means for unbalancing said system upon a change in condition; means for adjusting the slide wire to rebalance the system including a reversible motor having a braking field thereon; means for controlling the direction and extent of rotation of the motor in accordance with a variation and magnitude of the condition; means for normally applying direct current to the braking field to dynamically brake the motor and hold it against rotation; and means for cutting off the supply of direct current to the braking field when the control means is in operative relation to rotate the motor in either direction.

2,297,188
ELECTRIC PLUG AND SOCKET
John Joyce, Dorchester, Mass.
Application April 15, 1940, Serial No. 329,618
5 Claims. (Cl. 171—97)



4. The combination with an electric power consuming device having a plurality of windings of different voltages, one of the voltages being adapted to be energized and operate satisfactorily when energized from the standard 110 volt house lighting circuit, a plug adapted for cooperation with a standard 110 volt socket having a pair of spaced contact members and also adapted for cooperation with a second socket having a contact member in the position of one of said pairs of contact members and another contact member, said second socket being energized at a different voltage from the standard socket, said plug comprising a body having terminals connected with the windings of said power consuming device, one pair of said terminals comprising projecting terminal blades connected with the said 110 volt winding and enterable in both sockets and engageable with said pair of spaced contact members, said plug having a third terminal engageable with the last named contact member of said second socket and constructed and arranged to admit the effective insertion of said pair of terminals in said first socket.

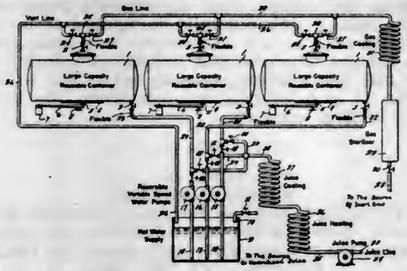
2,297,189
STAKING MACHINE
Lawrence Anthony Ladner, Camden, N. J., and William G. Bond, Holly Oak, Del., assignors to S. Sturgis Stout, Cynwyd, Pa.
Application August 2, 1940, Serial No. 349,734
10 Claims. (Cl. 149—20)



5. In a staking machine, a stake, a stretching device comprising a stretching bar and a backing-up means therefor comprising a smooth faced roll, means to draw a hide through said stretching device and about said stake, said stretching bar comprising a plurality of independently movable spring-pressed sections having angularly disposed blades, the blades being oppositely inclined at opposite sides of the center of the stretching bar and the inclination of the blades varying from the center to the ends of the bar, said blades having their faces shaped to substantially conform to the shaping of the opposed surface of the backing-up roll, said stake and stretching bar being each of a length to operate across the full length of a hide, and being disposed to engage a common face of the hide, means to adjust said stake toward and away from said backing-up roll, and means to adjust said stake in a direction transverse to the direction of movement of the hide about said backing-up roll.

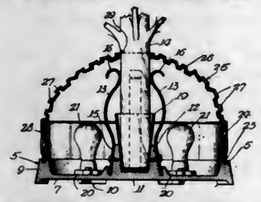
2,297,190
APPARATUS FOR PACKAGING LIQUIDS
Ronald B. McKinnis, Winter Haven, Fla.
Application October 11, 1939, Serial No. 299,023
7 Claims. (Cl. 226—68)

1. In an apparatus for packaging sterile unoxidized liquid in re-usable storage containers, a source of hot sterilizing liquid, conduits connecting the containers with the source of sterilizing liquid, a vent conduit connected with the containers and in communication with the source of hot sterilizing liquid, a source of sterile inert gas, a line for the gas in communication with the containers, a source of sterile unoxidized liquid connected to the hot sterilizing liquid conduits, and valves in said sterilizing liquid conduits



and the vent conduit whereby admission of the hot sterilizing liquid and the sterile unoxidized liquid into the containers may be regulated.

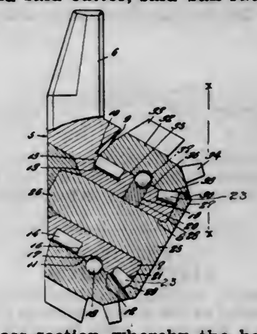
2,297,191
ILLUMINATED STAND
Howard R. Parman, Chicago, Ill., assignor to Chamberlain, Inc., Chicago, Ill., a corporation of Illinois
Application May 18, 1940, Serial No. 335,909
4 Claims. (Cl. 248—44)



1. A Christmas tree stand comprising a relatively wide substantially flat base, a socket member integrally formed on said base and extending upwardly therefrom to receive the stem of the tree, said socket member being provided with a plurality of vertical recesses formed in the upwardly extending outer wall of the socket member, spring members for supporting the stem of the tree above the top of the socket member arranged in said recesses, a clamping ring engaging around said outer wall of the socket member over said spring members to clampingly fasten the spring members in said recesses and to the socket member, and a one piece dome-shaped glass-like member directly mounted on the base and extending over and above said socket member and said spring members to cover the socket and spring members, said last named member having an opening therein in alinement with the opening in the socket member.

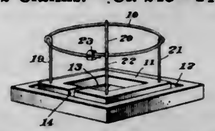
2,297,192
EARTH BORING TOOL
Clarence E. Reed, Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application July 2, 1940, Serial No. 343,639
17 Claims. (Cl. 255—71)

17. A spindle having roller bearing raceways, and a ball raceway, a cutter upon said spindle, said cutter having a bore longer than the width of the toothed cutting surface of said cutter, said spindle being longer over all than the bore of said cutter whereby the end faces of the cutter are axially spaced from any opposing spindle surfaces at the ends of the spindle, roller bearings on said roller bearing raceways, and in said ball raceway, a row of ball bearings between said spindle and said cutter, said ball raceway being



of oval cross-section whereby the ball bearings are relieved of radial loads and take end thrusts only.

2,297,193
GARBAGE CAN HOLDER
Samuel Silverman, Alhambra, Calif.
Application March 2, 1940, Serial No. 321,869
2 Claims. (Cl. 248—146)



1. A garbage can holder including in combination a base member, said base member being formed with a supporting bottom and an upper central portion, said central portion having an upper surface adapted to support a garbage can in an elevated position, a peripheral portion having a surface positioned along a plane below the plane of said supporting surface, said central and said peripheral portion having side walls spaced from each other and forming an annular trough adapted to hold a liquid and means supported by said base member for restricting lateral motion of a garbage can upon said central portion.

2,297,194
OZONE RESISTANT CABLE INSULATION
Ernst Badum, Bergisch-Gladbach, Germany; vested in the Alien Property Custodian
No Drawing. Application December 21, 1938, Serial No. 247,048. In Germany December 27, 1937
3 Claims. (Cl. 260—42)

1. An electrical conductor insulation having a high longevous resistance to ozone comprising a body of mixed polymerizates of butadienes and acrylic acid nitrile synthetic rubber compound mechanically and intimately mixed with 10 to 50 per cent by weight of polyvinyl chloride as a filler.

2,297,195
PROCESS FOR RENDERING ALKALINE SLUDGE FROM SEWAGE PUTREFACTIBLE
Karl Behringer, Stuttgart, Germany; vested in the Alien Property Custodian
Application January 27, 1939, Serial No. 253,201
7 Claims. (Cl. 210—2)

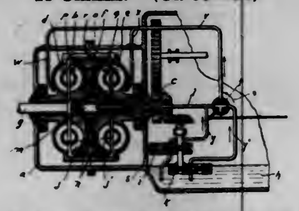
1. Process for treating sewage, the sludge of which is not putrefactible owing to its content of calcium hydroxide, which comprises separating sludge from the said sewage, treating the sep-

arated sludge with carbon dioxide prior to subjecting the sludge to putrefaction and thereby converting the calcium hydroxide content of the



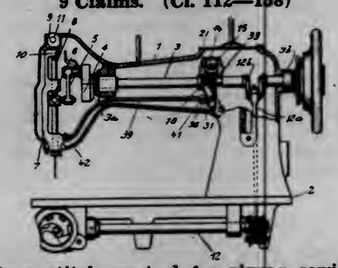
sludge into calcium carbonate to such an extent that the sludge becomes putrefactible and thereafter subjecting the sludge to putrefaction.

2,297,196
LIQUID CLUTCH
Arthur Berger, Stuttgart - Obertürkheim, Germany; vested in the Alien Property Custodian
Application March 11, 1938, Serial No. 195,218
In Germany March 11, 1937
15 Claims. (Cl. 60—54)



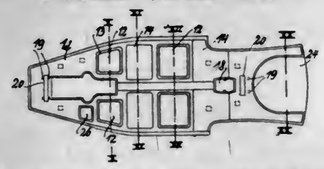
15. In a fluid coupling having driving and driven coupling parts forming a working space between them, one of said parts being formed with outwardly discharging canals leading to said working space and extending radially throughout said one part, a source of coupling fluid, a conduit for guiding said fluid from said source to said canals, and means in said conduit diverting the fluid from said canals to effect a partial emptying of the working space, and means for directing the diverted fluid against the outside of the coupling for cooling the same during said diversion and partial emptying.

2,297,197
ZIGZAG SEWING MACHINE
Wilhelm Bölter, Karlsruhe, Germany; vested in the Alien Property Custodian
Application May 25, 1939, Serial No. 275,737
In Germany May 31, 1938
9 Claims. (Cl. 112—158)



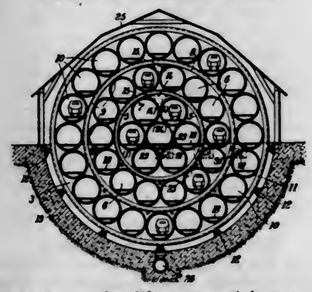
1. In a stitch control for zigzag sewing machines for household purposes, an oscillatory guiding means, a slide movable along said guide, a swinging lever, a fixed member whereon said lever is pivoted, means connecting the lever and guide to rock the guide laterally upon movement of the lever, means adjustably supporting said slide whereby the slide may be slidably adjusted in the guiding means for the purpose of adjusting the size of the zigzag stitch, an adjustment lever, a rotatable member whereon said adjustment lever is eccentrically pivoted, and means connecting the adjustment lever and guide, and a link pivotally connected at its respective ends to the adjustment lever and guiding means whereby the pivotal connection of the link and guiding member lies in the axis of swing of said guiding member when the latter is in neutral position.

2,297,198
CHASSIS FRAME
Carl Friedrich Wilhelm Borgward, Bremen, Germany; vested in the Alien Property Custodian
Application December 15, 1938, Serial No. 245,997
6 Claims. (Cl. 280—106)



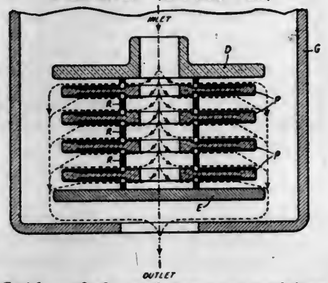
1. Chassis frame for a motor vehicle including an engine, comprising a hollow member extending the length and breadth of the vehicle and formed of two superposed metal plates connected together along their edges and at points on their surfaces, said plates having an aperture for the accommodation of said engine, said plates being connected together around the edges of said aperture, the upper plate having recessed apertures for foot rests, the said lower plate being provided with depressions opposite the foot rest apertures in the upper plate.

2,297,199
DEVICE FOR RECEIVING, CONVEYING, OR TRANSPORTING BULKY OBJECTS
Heinrich Buddecke, Adelsberg, near Chemnitz, Germany vested in the Alien Property Custodian
Application April 21, 1939, Serial No. 269,206
In Germany May 9, 1938
3 Claims. (Cl. 214—16.1)



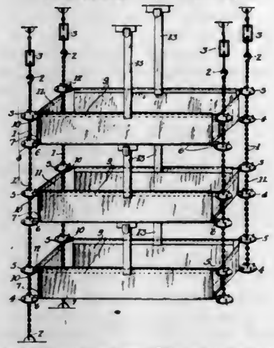
1. A garage or the like comprising a plurality of ring systems of cylindrical open ended compartments in concentric ring shape arrangement, a movable platform in each compartment, supporting annular tracks for each compartment upon which the platform rolls for automatic horizontal adjustment, each compartment of each ring system being in direct contact with at least two compartments of the same ring system and directly supported thereby, and means for maintaining said ring systems in the relation described.

2,297,200
LIQUID COOLED CONDENSER
Werner Buschbeck and Wilhelm Schneider, Berlin, Germany; vested in the Alien Property Custodian
Application February 24, 1939, Serial No. 258,152
In Germany February 25, 1938
6 Claims. (Cl. 175—41)



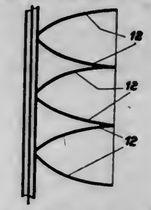
1. A fluid cooled condenser comprising a plurality of annular ceramic plates having a central aperture therein, each plate having a metallized band located on each surface intermediate said aperture and the perimeter thereof, means for passing a cooling fluid through said aperture and over said metallized band in a radial direction, said means including a plurality of rings forming together with the apertures of said plates a hollow space from which the cooling fluid passes, said rings having a plurality of openings for uniformly allowing the cooling fluid to flow over each metallized coating on the surface of said plates.

2,297,201
SHIP'S BERTH
Emil Caspary, Hemelingen, near Bremen, Germany; vested in the Alien Property Custodian
Application June 30, 1939, Serial No. 282,241
In Germany March 10, 1937
3 Claims. (Cl. 5—9)



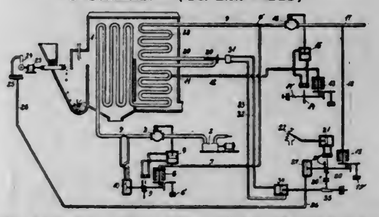
1. A ship's berth assembly comprising spaced, flexible, non-resilient suspension means supported on fixed portions of said ship, rigid, non-resilient supporting members secured on said suspension means, and a berth structure removably supported on said supporting members, said structure comprising a collapsible rectangular horizontal frame having longitudinal and transverse members, and a web stretched over said frame, said web being extended beyond said frame to form side screens, supporting cords extending along and engaging the upper edges of said side screens, and means on said suspension means for engaging and supporting said cords, said berth structure being so constructed and arranged that when collapsed it may be rolled into a compact bundle.

2,297,202
TRANSMISSION AND/OR THE RECEPTION OF ELECTROMAGNETIC WAVES
Walter Dällenbach, Berlin-Charlottenburg, Hugo Collenbusch, Berlin-Lankwitz, and Wolfgang Püpp, Berlin-Kopenick, Germany; vested in the Alien Property Custodian
Application March 5, 1937, Serial No. 129,218
In Germany March 6, 1936
1 Claim. (Cl. 250—11)



Apparatus for sending or receiving ultra high frequency electromagnetic vibrations comprising a plurality of conducting surfaces serving as antennae, each conducting surface being of a width in each direction of the order of magnitude of the wave length and having each dimension equal to at least about one-half wave length, each conducting surface being parabolically curved with its axis extending in the direction of transmission, each surface having an opening in its apex, a conductor comprising an outer tubular metal member and an inner metal member, said conductor being connected to the antennae at the openings thereof and having corresponding openings in the outer tubular member, the conductor being of a length to provide current loops at each point of connection to the antennae.

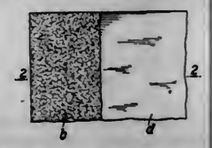
2,297,203
MEANS FOR CONTROLLING THE OPERATION OF VAPOR GENERATORS
Gustav Decker, Berlin, Germany; vested in the Alien Property Custodian
Application March 24, 1939, Serial No. 263,968
In Germany March 26, 1938
3 Claims. (Cl. 122—448)



1. In a vapor generator of the forced passage type having a once-through fluid passage receiving liquid at one end and delivering superheated vapor at the other end, pressure controlling means for maintaining a constant pressure in said passage at a point provided as zone of evaporation, temperature responsive means arranged in said passage at a point predetermined in relation to said constant pressure point, temperature controlling means connected to be actuated by said temperature responsive means for maintaining a constant temperature at said temperature point, said temperature controlling means being

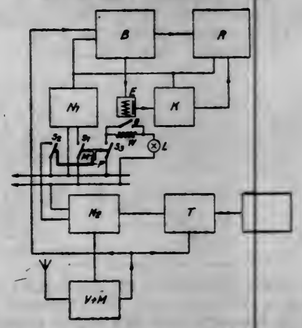
adjusted at a temperature corresponding to the temperature potential between said temperature responsive means and said constant pressure point, liquid supply and fuel feed control means and means for varying the ratio of liquid supply and fuel feed, said last named means being connected to be actuated by said temperature responsive means so as to maintain constant the temperature in said passage at said temperature responsive means.

2,297,204
PROCESS FOR THE MANUFACTURE OF SLIDABLE RUBBER
Wilhelm Deisaner, Berlin-Lichterfelde, Germany; vested in the Alien Property Custodian
Application April 11, 1939, Serial No. 267,351
In Germany February 5, 1938
1 Claim. (Cl. 18—47.5)



In a method for producing an antifrictional technical article made of vulcanized soft rubber which is mixed with fibres, producing of a sheet of rubber mixed with fibres, cutting the sheet into strips, associating these strips so as to form with their cut-surfaces new surfaces of a sheet the thickness of which corresponds to the breadth of the cut strips, vulcanizing together these strips and removing the layer of rubber originated by said vulcanizing on those parts of the strips which are intended to be slidable.

2,297,205
TELEVISION RECEIVER
Peter Deserno and Maximilian Messner, Berlin, Germany; vested in the Alien Property Custodian
Application July 29, 1939, Serial No. 287,184
In Germany August 4, 1938
3 Claims. (Cl. 178—5.8)

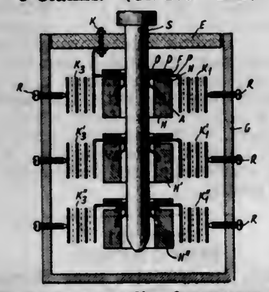


1. In a television receiver comprising means for picking up video and audio signals, means for visibly reproducing said video signals, means for audibly reproducing said audio signals and video and audio switches for rendering said means effective, mechanical means interlocking said switches operative upon closure of said video switch for closing said audio signal switch and upon opening of said audio signal switch for opening said video signal switch.

2,297,206
NITROGENOUS TEXTILE FIBER
Giuseppe Donagemma, Milan, Italy; vested in the Alien Property Custodian
No Drawing. Application May 9, 1938, Serial No. 206,946. In Italy May 13, 1937
5 Claims. (Cl. 18—54)

1. A process for the manufacture of artificial nitrogenous textile fibers consisting in dissolving a proteid soluble in caustic alkali with an excess of alkaline solvents, adding a substance selected from the group consisting of phenol and its homologues, in such manner as to form a compound selected from a group consisting of alkaline phenates and their homologues and ripening the nitrogenous mass thus obtained.

2,297,207
RADIO FREQUENCY SWITCH
Paul Ehlert, Rudolf Pehrisch, and Erich Clasen, Berlin, Germany; vested in the Alien Property Custodian
Application October 20, 1938, Serial No. 236,026
In Germany October 1, 1937
8 Claims. (Cl. 175—41.5)

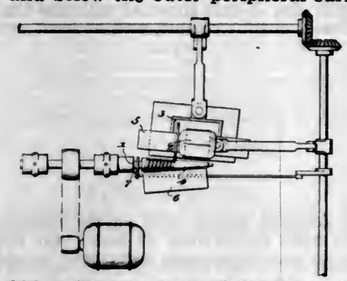


1. A short wave radio frequency switch for switching a group of electrical units in circuit comprising a metallic casing member, an insulating cover secured to said casing, a metallic slidable switch member arranged to slide through said insulating cover, a plurality of metallic blocks having a central bore with radially extending slots, a plurality of conductively interconnected contact springs arranged in said radially extending slots, said blocks arranged in a tier within said casing and serving with said springs as switch contact means equally distributed over the periphery of said metallic slidable switch member so that there remains an opening in which said metallic member acts as the cooperating contact to close said switch, said contact springs arranged in a plurality of superimposed groups, said group of electrical units being interposed between said casing and each group of contact springs, said slidable member arranged to connect each group of said electrical units together in parallel as it is moved through said cover.

2,297,208
BOBBIN OR SLEEVE
Fritz Falkscheer, Reutlingen, Germany; vested in the Alien Property Custodian
Application May 7, 1937, Serial No. 141,379
In Germany July 16, 1934
3 Claims. (Cl. 18—56)

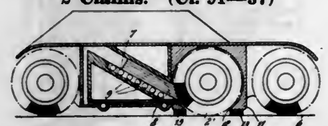
1. A method of making a bobbin of pressable material for textile yarn comprising preparing a plain-tapered tube of pressable material, and pressing a flat-bottomed groove spirally into the material of the tube to form a helical groove

along and below the outer peripheral surface of



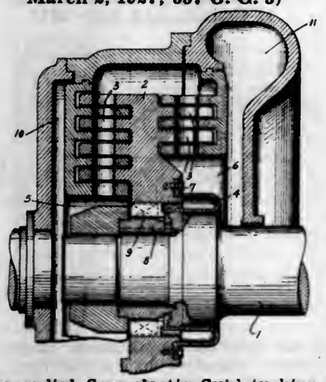
the bobbin without substantially deforming the internal surface of the tube.

2,297,209
POLISHING APPARATUS
Walter Geduhn, Berlin-Steglitz, and Ludwig Petry, Berlin, Germany; vested in the Alien Property Custodian
Application March 16, 1939, Serial No. 262,262
In Germany August 21, 1937
2 Claims. (Cl. 91—37)



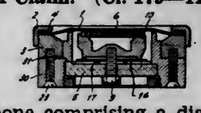
1. In a polishing apparatus, in combination, a main frame, a rotary brush, means for rotating said brush and means including rollers for holding a block of hard wax in said frame in an acute angle with respect to the surface to be polished, with its front surface engaging said brush at a point below a horizontal plane passing through the brush axis, whereby a short travelling distance is obtained for the wax scraped off from the block by said brush and applied on the surface to be polished.

2,297,210
GAS TURBINE
Ernst Gente, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian
Application July 24, 1939, Serial No. 286,235
In Germany July 23, 1938
6 Claims. (Cl. 253—87)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. In a radial flow elastic fluid turbine or the like, wherein a blade-carrying disc is subjected to the action of said fluid, and wherein a different temperature of said fluid prevails on either side of said disc, a carrier member, connector means engaging the root of said disc for connecting the disc with said carrier member, an elastic packing member disposed immediately adjacent the root of said disc and said connector means and extending from said disc root on the low temperature side thereof so that it is exposed to said low temperature fluid, means for connecting said packing member at one end thereof with said carrier member, and means for connecting said packing member at the other end thereof with the root of said disc.

2,297,211
CONDENSER MICROPHONE
Erwin Gerlach, Berlin, Germany; vested in the Alien Property Custodian
Application July 15, 1939, Serial No. 284,647
In Germany July 25, 1938
1 Claim. (Cl. 179—111)



A microphone comprising a diaphragm forming a movable electrode, a shouldered support for said movable electrode, a second electrode, a support for said second electrode located within said shouldered support, an insulating plate for supporting said second electrode and located at said shouldered portion of said first mentioned support, projections on said insulating plate, a resilient plate resting on said projections, and means associated therewith to adjust the spacing between the electrodes, both of said supports being of material having the same thermal expansion coefficient whereby there will be substantially no change in the spacing between said electrodes due to thermal expansion of said supports.

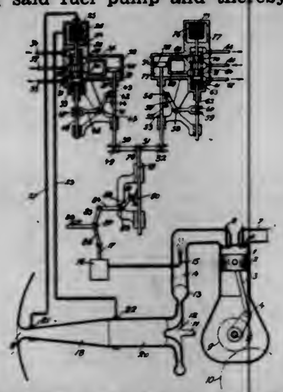
2,297,212
STABLE VITAMIN C AND PROCESS FOR PREPARING THE SAME
Heinrich Gockel, Hohen Neuendorf, near Berlin, Germany; vested in the Alien Property Custodian
No Drawing. Application February 6, 1939, Serial No. 254,941. In Germany February 10, 1938
13 Claims. (Cl. 99—11)

1. A process for the preservation of the vitamin C content of a liquid containing a significant quantity of vitamin C which comprises admixing said liquid with a substance selected from the class consisting of thiourea and methyl and ethyl derivatives of thiourea.

2,297,213
CHANGE FORMING DEVICE
Fritz Gosslau, Berlin-Charlottenburg, Johannes Schmidt, Berlin - Eichkamp, and Werner Zarnack, Berlin - Charlottenburg, Germany; vested in the Alien Property Custodian
Application October 7, 1938, Serial No. 233,728
In Germany October 8, 1937
15 Claims. (Cl. 123—119)

1. In combination with an internal combustion engine, a fuel pump, a charger comprising an air intake, said air intake comprising a Venturi tube, said tube being provided with means to measure the pressure of the air passing through said tube at the narrowest and at the widest part of said tube, means actuated by the

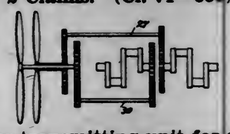
pressure difference of said two parts of said tube, said means actuating one of the two arms of pressure balancing means in the logarithmic ratio of said pressure difference the other arm of said pressure balancing means being actuated by the logarithmic value of the variations in the specific volume of the air, said balancing means actuating said fuel pump and thereby controlling the weight of the fuel in dependence upon the weight of the air.



2,297,214
AIRCRAFT MOTOR GEARING

Fritz Gosslau, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian

Application October 12, 1938, Serial No. 234,730
In Germany October 14, 1937
2 Claims. (Cl. 74—389)



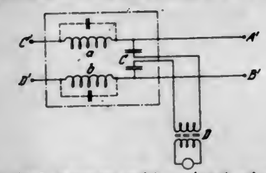
1. A power transmitting unit for aircraft comprising in combination, coaxially disposed crankshafts, a plurality of star-connected cylinder units including pistons and piston rods cooperating with said crankshafts, said star-connected cylinder units being arranged coaxially in staggered relation, two collecting shafts disposed substantially parallel with said crankshafts for accumulation of the individual outputs of said cylinder units, a large gear wheel on each of said crankshafts meshing with a small gear wheel on one of said collecting shafts, two driven shafts coaxially disposed with regard to said crankshaft, and a speed reducing gear mechanism for transmitting the rotary motion from each of said collecting shafts to one of said driven shafts whereby said collecting shafts are driven at a substantially higher speed than said crankshafts and said driven shafts.

2,297,215
ELECTRIC FILTER DEVICE

Wolfgang Hagen, Berlin, Germany; vested in the Alien Property Custodian

Application May 11, 1939, Serial No. 272,996
In Germany May 11, 1938
2 Claims. (Cl. 178—44)

2. Electric filter arrangement comprising input and output circuits, and a low-pass filter, said filter comprising a first coil connected between one side of said input circuit and one side of said output circuit, a second coil connected between the other side of said input circuit and the other side of said output circuit, and at least one con-

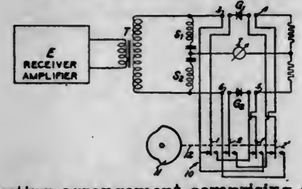


denser shunted across said output circuit, each of said coils comprising at least two windings wound on each other and connected in series.

2,297,216
TEST CIRCUIT ARRANGEMENT

Walter Max Hahnemann, Berlin, Germany; vested in the Alien Property Custodian

Application March 29, 1939, Serial No. 264,785
In Germany October 13, 1937
4 Claims. (Cl. 250—11)

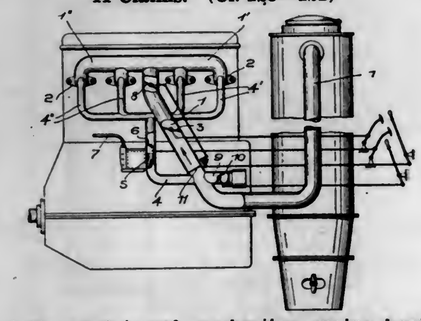


1. A testing arrangement comprising a plurality of electric test circuits, indicator means for comparing the relative magnitudes of the energy in said circuits, wave rectifier devices individual to said test circuits and connected to said indicator means, and means for regularly and mutually interchanging said rectifier devices with each other whereby unequal response characteristics of the rectifiers are compensated for in their effect on said indicating means whereby the indications are free from errors due to any inequalities in said response characteristics.

2,297,217
FUEL CONTROL FOR COMBUSTION ENGINES

Richard Hartner-Seberich, Gaggenau, Baden, Germany; vested in the Alien Property Custodian

Application February 11, 1939, Serial No. 255,977
In Germany February 4, 1937
11 Claims. (Cl. 123—121)

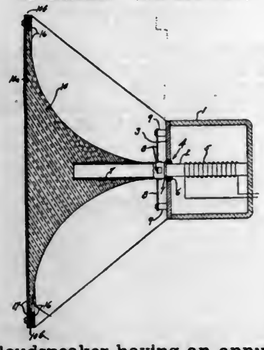


1. In an internal combustion engine having one or more cylinders, in combination, a source of gas supply for said engine, a manifold on said engine for guiding the gas into said cylinders, a first conduit interconnecting said manifold with said gas supply, a second conduit provided with one or more branches at one end within said gas manifold for direct communication with said cylinders, and communicating at its other end with said first conduit intermediate said manifold and gas supply, a carbureter in said second conduit, and means for supplying liquid fuel to said carbureter.

2,297,218
LOUD-SPEAKER

Hans E. Henrich and Oskar Vierling, Berlin, Germany; vested in the Alien Property Custodian

Application April 22, 1938, Serial No. 203,632
In Germany April 24, 1937
15 Claims. (Cl. 181—32)

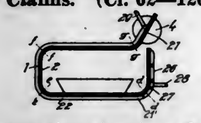


1. In a loudspeaker having an annular air gap adapted for magnetic energization, and a voice coil disposed within said gap: the combination of a hollow cylinder extending axially into said gap and carrying said voice coil and supported for axial vibratory movement, and a solid diaphragm secured on said cylinder, said cylinder penetrating into said diaphragm for a substantial distance.

2,297,219
EVAPORATOR FOR REFRIGERATING APPARATUS OF THE COMPRESSION TYPE

Rudolf Hintze, Berlin-Charlottenburg, and Peter Pfaff, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian

Application February 3, 1939, Serial No. 254,460
In Germany February 3, 1938
7 Claims. (Cl. 62—126)

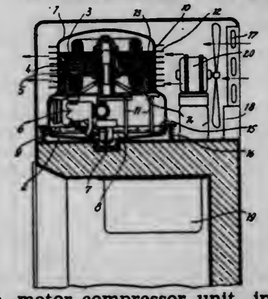


5. In an evaporator structure for compression refrigerators comprising an evaporator conduit system proper and a short supply conduit connected with the lowest portion of said system, a pair of metal sheets sealed face-to-face together and bent so as to have horizontal and vertical wall sections, respectively, forming a storage chamber for deep-cooling purposes, at least one of said sheets having corrugations forming said evaporator conduit system and at least one of said sheets having an indentation forming a collecting header arranged above and communicating with said system, said corrugations forming said conduit system extending consequently over said horizontal and vertical wall sections along a path nowhere extending in a downward direction and including a single sinuous passage forming the only connection between said supply conduit and said header and extending over the horizontal wall section forming the bottom of said chamber.

2,297,220
MOTOR-COMPRESSOR UNIT FOR REFRIGERATORS

Rudolf Hintze, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian

Application March 20, 1939, Serial No. 262,930
In Germany March 23, 1938
6 Claims. (Cl. 230—233)



1. In a motor-compressor unit, in particular for a refrigerator, the combination of a compressor, an electromotor operatively connected with said compressor, an hermetically sealed housing containing lubricant and enclosing said motor and said compressor, said housing and said motor being spaced from each other to form an interstice around said motor, noise-damping absorbent material disposed in said interstice substantially filling said interstice around its entire periphery, and means for supplying part of said lubricant to said material.

2,297,221
ETHERS OF HYDROXYALKYL AMINE BASES, THEIR SALTS, AND QUATERNARY AMMONIUM COMPOUNDS

Richard Huttenlocher, Greiz, Thuringen, Germany; vested in the Alien Property Custodian

No Drawing. Application January 29, 1938, Serial No. 187,749. In Germany February 3, 1937
3 Claims. (Cl. 260—584)

1. A process which comprises reacting a hydroxyalkyl amine base of the general formula

$$N(R)(R')(CH_2)_xOH$$

wherein R and R′ represent a substituent selected from the group consisting of hydrogen, alkyl radicals, and hydroxyalkyl radicals, while x represents a whole number, with an alkali metal and subsequently with an organic halide selected from the group consisting of alkyl halides containing at least four carbon atoms in the molecule, cycloalkylhalides and aralkyl halides, the reaction with the alkali metal and with the organic halide being effected in at least two steps using for each step a part of the stoichiometric quantity of the alkali metal and of the organic halide.

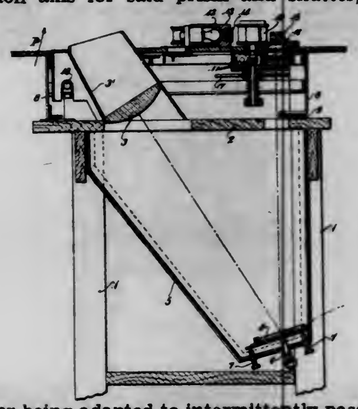
2,297,222
FILM INSPECTING APPARATUS

Gustav Kemna, Babelsberg, Germany; vested in the Alien Property Custodian

Original application June 9, 1938, Serial No. 212,784. Divided and this application June 19, 1939, Serial No. 279,975
6 Claims. (Cl. 88—16.8)

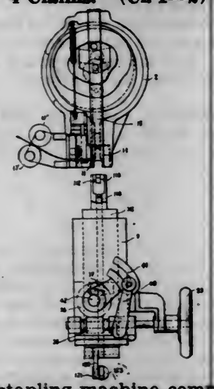
1. In a film inspection apparatus comprising

means for projecting an image beam from a constantly moving film, a regular plano-sided compensating prism for receiving said image beam and producing a stationary image beam, means for directing the image beam emerging from said prism through a shutter to a viewing screen, a common axis for said prism and shutter, said



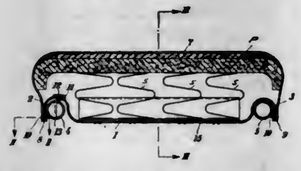
shutter being adapted to intermittently pass only a limited amount of said image beam, and means for operating and synchronizing said prism and said shutter to permit only that portion of the image beam which falls at approximately normal incidence to the faces of said prism to pass said shutter.

2,297,223
MEANS FOR UNITING SHEET METAL
Oskar Kleinschmit, Leipzig-Plagwitz, Germany; vested in the Alien Property Custodian
Application March 17, 1938, Serial No. 196,498
In Germany March 18, 1937
4 Claims. (Cl. 1—2)



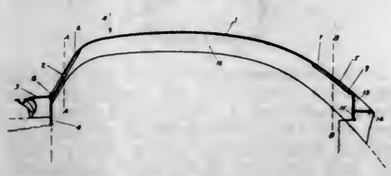
4. A wire-stapling machine comprising a support for material to be stapled, a staple-receiving guide having walls engaging the outer three sides of each shank of the staple, a wedge-shaped member having its parallel sides in engagement with the inner sides of the shanks of the staple and cooperating with the walls of the guide to completely enclose all sides of the shanks of the staple, said wedge-shaped member having its inclined sides lying between the bridge of the staple and the material to be stapled, means for pressing the lower ends of the guide against the material to be stapled and the shanks of the staple through the material to be stapled, and means operable in synchronism with the pressing means for retracting the wedge-shaped member from the staple as it is pressed into the material, said support having two slots formed therein of a width substantially equal to the thickness of the staple shanks, of a length substantially equal to the length of the shank ends projected through the material to be stapled, and spaced apart a distance substantially equal to the distance between the shanks of the staple whereby the shanks will be engaged by three walls of said slots, the upper surface of the support being convex and the lower ends of the staple guide being spaced apart to impart a convex configuration to the upper staple-entering surface of the material to be stapled.

2,297,224
SEAT
Erwin Komenda, Stuttgart-Korntal, Germany; vested in the Alien Property Custodian
Application November 26, 1938, Serial No. 242,527
In Germany December 6, 1937
5 Claims. (Cl. 155—179)



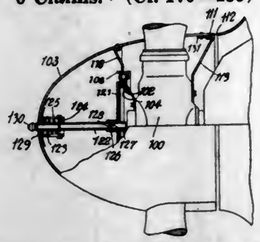
1. In a seat structure, especially for motor vehicles and adapted to rest upon spaced seat supporting members, comprising a base member, resilient means supported by said base member, and upholstery surrounding said resilient means, said base member being formed of fibre formed to such a shape that the end portions thereof extend over said seat supports and then downwardly, said upholstery being extended downwardly under and folded upwardly over the said downwardly extending portions of said base member, and then directly attached thereto.

2,297,225
VEHICLE BODY PART AND METHOD OF FORMING SAME
Erwin Komenda, Korntal-Stuttgart, Germany; vested in the Alien Property Custodian
Application June 14, 1939, Serial No. 279,003
In Germany July 2, 1938
16 Claims. (Cl. 296—137)



1. In and for a vehicle body, an integral one-piece section molded from artificial resinous material forming the vehicle roof, a forward, oblique, downwardly extending windshield frame integral with said roof provided with a windshield opening and having thickened edges of enlarged cross-section along the top and bottom of said opening, each thickened edge provided with a windshield-receiving trough on its side toward the opening.

2,297,226
SPINNER FOR THE HUBS OF AIRSCREWS
Wilhelm Müller-Keuth and Eugen Engert, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian
Application January 26, 1938, Serial No. 187,048
In Germany May 22, 1937
6 Claims. (Cl. 170—159)



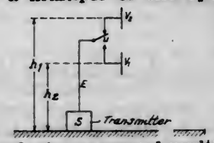
1. A spinner for the hub of an airplane propeller or the like, comprising, a body portion, a supporting member fixed to the front of the hub, an annular plate fixed to the inside of the body portion and adapted to register with said support, a locking ring carried by said plate and mounted for relative rotary movement with respect to said plate, and cooperating means on said ring and said plate to lock detachably said body portion with respect to said hub when a limited rotary movement is imparted to the locking ring, and means adapted to be inserted or withdrawn from an opening in the body portion disposed forwardly of said hub for imparting said rotary movement to said locking ring.

2,297,227
MANUFACTURE OF INDUSTRIAL GASES
Karl Koller and Zsigmond Gálocsy, Budapest, Hungary; vested in the Alien Property Custodian
No Drawing. Application March 21, 1939, Serial No. 263,204. In Hungary December 4, 1936
4 Claims. (Cl. 48—203)

1. In the manufacture of industrial gases in a gas producer, the steps of gasifying in a gas producer of the air blowing type a fuel arranged therein in the form of a column, partly burning a fuel by means of an oxygen containing gas outside, but in close vicinity of said gas producer in such manner as to produce a gas mixture containing substantially no hydrogen, but a substantial percentage of unburnt CO and CH_4 and having a temperature not substantially exceeding about 1000° C. and being lower than the highest temperature of the gas producer, and introducing said gas mixture directly into a zone of the column of fuel in the producer situated above the highest temperature gasifying zone and having a temperature below 1000° C. whereby the final composition of the gas withdrawn from the upper part of the producer is rendered different from that of the ordinary producer gas.

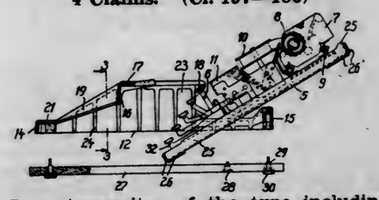
2,297,228
GLIDE PATH PRODUCING MEANS
Ernst Kramar, Berlin, Germany; vested in the Alien Property Custodian
Application November 4, 1938, Serial No. 238,830
In Germany November 4, 1937
1 Claim. (Cl. 250—11)

A radio transmitting arrangement for producing glide paths by field intensity comparison consisting essentially of a first radiation means spaced above the earth at a height in the order of a multiple of the operating wavelength for producing a multi-lobe vertical radiation diagram the lobes having a predetermined angular relation with respect to the earth, a second radiation means spaced above the earth a distance different from said first radiation means at a height in the order of a multiple of the operating wave-



length for producing a second multi-lobe vertical radiation diagram the lobes thereof having a different predetermined angular relation with respect to the earth and intersecting the lobes of said first mentioned diagram, a transmitter, and means interconnecting said transmitter and said radiation means for alternately rendering said first and said second means effective.

2,297,229
MACHINE FRAME FOR TYPEWRITERS
Johannes Krüger, Erfurt, Germany; vested in the Alien Property Custodian
Application April 29, 1939, Serial No. 270,843
In Germany April 29, 1938
4 Claims. (Cl. 197—186)

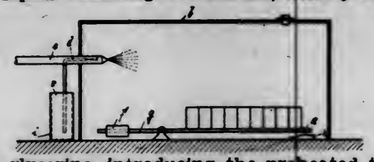


1. In a typewriter of the type including an inner skeleton frame on which the operative mechanism of the machine is mounted, an outer cover frame unit surrounding the inner frame and adapted for assembly with the inner frame after the mounting of the operative mechanism thereon, said cover frame unit comprising unitary side, front and rear walls and an integral bridge member extending between the upper edges of the side walls intermediate the front and rear walls, said bridge member being of angular cross section and including a front vertical wall portion and an integral horizontal wall portion extending rearwardly from the upper edge of said vertical wall portion, there being an open space between said front vertical wall portion of said bridge member and said front wall of said cover frame unit to accommodate the keyboard of the typewriter mechanism and an open space between the rear edge of said horizontal wall portion and the rear wall of said cover frame unit dimensioned to permit the endwise insertion of the skeleton frame with said typewriter mechanism assembled thereon into said cover frame unit on an inclined path from above to a position to permit the front end of said skeleton frame to be then raised to dispose the keyboard in the space in front of said vertical wall portion of said bridge member.

2,297,230
PROCESS OF STEAMING TEXTILES
Hans Langen, Gladbach-Rheydt, Germany; vested in the Alien Property Custodian
Application February 17, 1939, Serial No. 256,882
In Germany October 8, 1936
1 Claim. (Cl. 8—136.5)

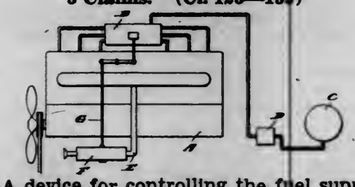
A process for steaming textile material with

a mixture of steam and a treating liquid, consisting in preheating close to its boiling point a treating liquid consisting of formalin, Turkey red oil,



and glycerine, introducing the preheated treating liquid into a steam current and feeding to the textile material the steam containing the treating liquid.

2,297,231
INTERNAL COMBUSTION ENGINE
August Lichte, Dessau-Alten, Germany, vested in the Alien Property Custodian
Application July 5, 1939, Serial No. 282,907
In Germany July 6, 1938
3 Claims. (Cl. 123—139)



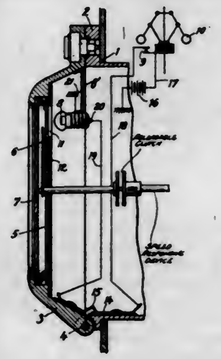
1. A device for controlling the fuel supply for an internal combustion engine in response to intake manifold pressure, the difference between the intake manifold pressure and atmospheric pressure, and the temperature of the intake air, comprising a first and a second bellows mounted in the intake manifold for the engine, said first bellows being closed and responsive to changes in temperature and pressure in the intake manifold, means for subjecting the interior of said second bellows to atmospheric pressure, and means joining said bellows to each other so that their movements are superimposed in the same direction.

2,297,232
MAGNIFYING DEVICE
Karl Martin, Friedrich Möckel, and Wilhelm Kaiser, Rathenow, Germany; vested in the Alien Property Custodian
Application January 13, 1939, Serial No. 250,828
In Germany January 7, 1938
3 Claims. (Cl. 88—39)



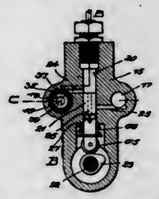
1. A magnifying device comprising a casing, a magnifying lens, a mount for said lens, means for slidably supporting said mount in said casing for moving said lens selectively into exposed position for use and into an inoperative position in which said lens is covered by said casing, manually operable means attached to the mount and extending from said casing for slidably moving said mount into a position in which the lens is exposed, spring means attached to the mount and casing within said casing for returning said mount to its inoperative position in which said lens is covered by said casing, cooperating holding means on said casing and mount for holding the latter relatively to the casing when the lens has been moved into its operative exposed position, and means in the casing for automatically releasing the said holding means when said manually operable means is disengaged.

2,297,233
SPEED WARNING SIGNAL
Karl Meer, Villingen, Schwarzwald, Germany; vested in the Alien Property Custodian
Application January 5, 1939, Serial No. 249,430
In Germany July 22, 1938
2 Claims. (Cl. 177—311.5)



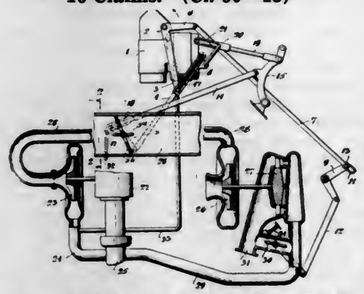
1. An indicating instrument comprising a casing; a cover therefor having a window and a glass therein; a plate spaced behind the window and having an aperture therein; a transparent dial sheet on the front face of the plate and having a scale disposed nearly around the peripheral margin thereof leaving a space between the ends of the scale at said aperture; a pointer between said scale and glass and associated with the scale; a speedometer operatively connected to the pointer, a signal lamp behind said aperture; a source of current; and speed controlled means for at times connecting said lamp to said source.

2,297,234
FUEL PUMP REGULATION
Samuel Meiswinkel, Gaggenau, Germany; vested in the Alien Property Custodian
Application January 17, 1939, Serial No. 251,327
In Germany January 26, 1938
9 Claims. (Cl. 103—41)



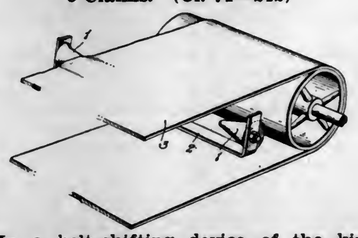
1. In a fluid pump including at least one pump cylinder space having a piston therein, an inlet passage connected to the cylinder space, a delivery passage leading from the cylinder space, a return passage leading from said cylinder space to said inlet passage, regulating means movable in one direction or the other in accordance with the difference in pressure in said inlet and return passages for varying the amount of fluid supplied to said cylinder space, said regulating means including means intermediate said return and inlet passages having an interconnecting throttling bore for establishing a pressure differential between said inlet and return passages, and manual means for operating said regulating means.

2,297,235
CONTROL FOR SUPERCHARGED ENGINES
Alfred Müller, Munich, Germany; vested in the Alien Property Custodian
Application February 3, 1939, Serial No. 254,426
In Germany February 3, 1938
16 Claims. (Cl. 60—13)



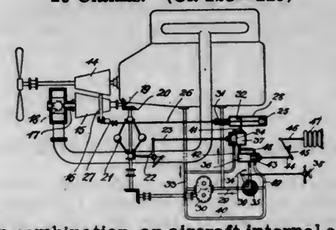
1. In combination, an internal combustion engine, a first supercharger driven thereby, a conduit for supplying air under pressure from said first supercharger to said internal combustion engine, a second supercharger, means for guiding air from said second supercharger to said first supercharger, an exhaust turbine drivably connected to said second supercharger, means for guiding the exhaust gases from said internal combustion engine to said exhaust turbine, a throttle valve in said air guiding means for controlling the flow of air to said first supercharger, means in said exhaust gas guiding means for controlling the flow of said gas into said exhaust turbine, actuating means responsive to the pressure within said conduit, and means interconnecting said throttle valve and exhaust gas controlling means with said pressure responsive actuating means for gradually opening said throttle valve and after said throttle valve is substantially fully open, then supplying gradually increasing amounts of exhaust gas to said turbine.

2,297,236
BELT SHIFTER
Alexander Nádai and Josef Stern, Budapest, Hungary; vested in the Alien Property Custodian
Application February 11, 1939, Serial No. 255,825
In Hungary November 22, 1938
5 Claims. (Cl. 74—242)



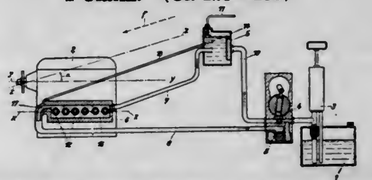
5. In a belt-shifting device of the kind in which a flat belt passes between a pair of shifting members adapted to be moved rectilinearly in a direction substantially at right angles to the travel of the belt, the features which consists in having a flat endless belt of uniform width and the shifting members provided with a shaft so as to be rotatable about the axis thereof and being of circular cross section and arranged axially in a direction substantially at right angles to the direction of travel of the belt, said shaft being substantially parallel to the plane of the belt, each shifting member being axially of curved concave profile between the base and apex thereof, both shifting members being disposed in line with their transverse diameters varying from maximum diameter exteriorly of the edges of the belt and decreasing to minimum diameter toward each other and toward the center of the belt, and each shifting member engaging obliquely with the lower surface of the belt in order to shift the latter sideways while allowing the edges of said belt to remain free.

2,297,237
AIRCRAFT ENGINE
Fritz Nallinger, Stuttgart, Germany; vested in the Alien Property Custodian
Application June 28, 1939, Serial No. 281,597
In Germany April 23, 1938
10 Claims. (Cl. 123—119)



1. In combination, an aircraft internal combustion engine, a charging blower therefor, a step-up variable speed gearing operative between said engine and said blower, a hand control operative for stepping up the transmission ratio of said gearing, and a speed-sensitive control operative for overriding said hand control and reducing the transmission ratio during excessive speed periods.

2,297,238
FUEL SUPPLY FOR INTERNAL COMBUSTION ENGINES
Franz Neugebauer, Allach, near Munich, and August Lichte, Dessau-Alten, Germany; vested in the Alien Property Custodian
Application April 19, 1938, Serial No. 202,934
In Germany May 22, 1937
1 Claim. (Cl. 123—139)



An air eliminating system for the fuel supply to an internal combustion engine provided with a fuel pump and an injection pump, said system comprising, in combination with said fuel pump and injection pump, an air and fuel separating device between the two pumps, and a fuel circulating system interconnecting said fuel pump, device, and injected pump composed of a first conduit for conducting fuel from said fuel pump to said device, a second conduit for conducting fuel from said device to said injection pump, a third conduit for conducting excess fuel from said injection pump directly to said fuel pump for recirculation therethrough, and a fourth conduit connecting said injection pump and said device for releasing air entrapped in said injection pump.

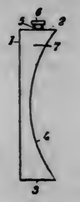
2,297,239
DISCHARGE NOZZLE
Franz Neugebauer, Allach, near Munich, Anselm Franz, Dessau-Ziebigk, and Siegfried Decher and Kurt Meissner, Dessau, Germany; vested in the Alien Property Custodian
Application February 23, 1939, Serial No. 258,082
In Germany February 25, 1938
9 Claims. (Cl. 60—35.6)

1. A recoil action producing exhaust nozzle for each individual cylinder of a multicylinder internal combustion engine comprising a tubular thin sheet metal member curved along its longitudinal axis having a longitudinal seam, said member having a constricted outlet end portion,



and means for reinforcing said constricted outlet end portion comprising a seamless heat and pressure resistant annulus rigidly secured to said constricted outlet end portion.

2,297,240
LIQUID LENS, PARTICULARLY FOR MOTOR CARS
Leo Neumann, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian
Application April 27, 1939, Serial No. 270,431
In Germany April 29, 1938
6 Claims. (Cl. 88—57)



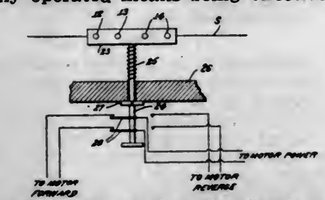
1. A lens comprising a transparent container; a transparent liquid filling the container; a filling socket communicating with the interior of the containers; a plug removably held in said socket; and a yieldable member, at all times more yieldable than the walls of the lens carried by said plug in yieldable contact with the liquid, to allow the liquid to expand without deforming the lens surfaces.

2,297,241
PLATING OF ALUMINUM
Leonhard Perner, Berlin, Germany; vested in the Alien Property Custodian
No Drawing. Application January 23, 1939, Serial No. 252,503. In Germany August 2, 1937
10 Claims. (Cl. 117—130)

1. A non-electrolytic process for the production of a firmly adherent coating of a pure heavy metal, which is nobler than aluminum and which forms a water-soluble silicon-fluoride and/or boron-fluoride, on objects of aluminum or aluminum alloys, in which the objects are merely immersed in an aqueous solution of a member of the group consisting of the silicon-fluorides and boron-fluorides of said heavy metal until a coating of the latter is formed, the immersion being continued until a pure metallic coating of a thickness of the order of about 0.1 mm. has been produced.

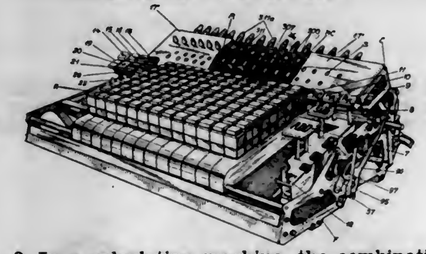
2,297,242
SOUND RECORDING AND REPRODUCING MACHINE
Fritz Pöhlmann, Allach, near Munich, Germany; vested in the Alien Property Custodian
Application December 24, 1937, Serial No. 181,673
In Germany December 24, 1936
1 Claim. (Cl. 179—100.2)

In a sound recording and reproducing machine, two revolubly mounted reels adapted to carry a record bearing body, means for advancing said body in either direction, a rotary support, an obliterating head, a recording head and a reproducing head mounted on said support adjacent to said record bearing body, switching means controlling the direction of the advancing of said body coupled to said rotary support, manually operated means for operating said switching means to advance said body in the desired direction, said manually operated means being effective to ro-



tate said support so that the heads mounted thereon are always effective on said record bearing body in the same sequence irrespective of the direction of movement of said body.

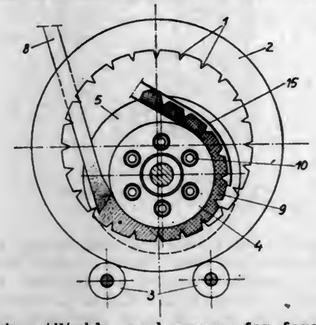
2,297,243
DIVISION MECHANISM
August Friedrich Pott, Zella-Mehlis, Germany; vested in the Alien Property Custodian
Original application September 23, 1931, Serial No. 564,643. Divided and this application June 10, 1937, Serial No. 147,588. In Germany October 2, 1930
3 Claims. (Cl. 235—63)



3. In a calculating machine, the combination with a carriage; an accumulator mounted in, and travelling with the carriage; transfer mechanism for the accumulator; actuating means for the accumulator; a motor drive for the actuating means; and settable state control means to condition the actuating means for additive or subtractive operations; of a carriage shift mechanism to shift the carriage and accumulator denominationally; an eccentric operable incident to the operation of the carriage shift mechanism; normally ineffective means operable by the eccentric to set the state control means alternately to its additive and subtractive positions as the carriage is shifted to successive denominational positions; a division key, a motor drive for the actuating means and for the carriage shift mechanism; means controlled by the division key to cause the motor drive to operate the actuating means, and to render the normally ineffective means effective; and means controlled by the transfer mechanism to terminate the operation of the actuating means, and to cause operation of the carriage shift mechanism by the motor drive to shift the carriage to the next lower denominational position and so to cause the eccentric to operate the normally ineffective means to reverse the setting of the state control means.

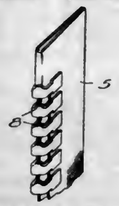
2,297,244
CIRCULAR ROLLING PRESS FOR BRIQUETTING FINE COAL AND THE LIKE
Werner Pfahl, Meuselwitz, Germany; vested in the Alien Property Custodian
Application July 18, 1939, Serial No. 285,139
In Germany July 18, 1938
5 Claims. (Cl. 25—21)

1. A circular rolling press for the briquetting of fine coal and the like comprising a rotatable, circular, internally toothed runner, a press wheel eccentrically arranged relatively to said runner, rotatable in the same direction as said runner and having a cylindrical surface facing the teeth on said runner, movable boundary members on each side of said press wheel and forming the flanges of a groove extending around said surface substantially concentric with said wheel, said mem-



bers being tiltable, and means for forcing said boundary members towards one another at a position substantially adjacent the position where said runner passes away from said wheel during rotation, so that the pressed strand of briquets is detached from the runner, and remains on the press wheel.

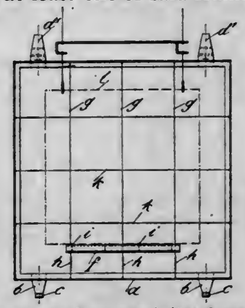
2,297,245
MANUFACTURE OF NONMETALLIC SLIDING CLASP FASTENERS
Julius Püschner and Josef Püschner, Sudetengau, Germany; vested in the Alien Property Custodian
Application July 1, 1939, Serial No. 282,556
In Czechoslovakia July 14, 1938
11 Claims. (Cl. 18—59)



1. A process of making tape-mounted sliding clasp fasteners out of an organic plastic material capable of being bent to shape and of retaining the shape after bending, comprising the operations of removing such portions of an elongate blank of such a material as to form a series of separate transversely extending fastener elements each having a central fastener-engaging portion, securing at least the end portions of said series of elements to elongate tape means the width of which is greater than the transverse extent of the fastener means, and bending the series of elements about the central longitudinal axis of the tape means into substantially U-shape with folding of the remote edges of the tape means into closely spaced relation for reception of a web therebetween.

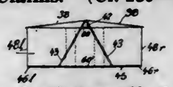
2,297,246
APPARATUS FOR USE IN GLASS TEMPERING
Alberto Quentin, Milan, Italy; vested in the Alien Property Custodian
Application July 28, 1939, Serial No. 287,028
In Germany August 2, 1938
8 Claims. (Cl. 49—45)

2. A device for supporting glass sheets during a tempering operation which comprises, two frames hinged together along one edge, thin taut wires extending between opposite sides of each frame, resilient rests between the two frames, and means for supporting said resilient rests from at least one of said frames in a posi-



tion to engage and support the lower edge of a glass sheet while the sheet is held against lateral displacement by the taut wires, whereby the employment of gripping jaws to hold the glass plate is avoided.

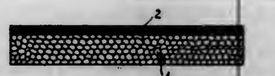
2,297,247
LIGHT-METAL BARRACK
Heinrich Rauchholz, Berlin, Germany; vested in the Alien Property Custodian
Application June 10, 1939, Serial No. 278,533
In Germany June 11, 1938
4 Claims. (Cl. 189—1)



1. A building having vertical side and end walls, a ridge beam, supporting struts diverging from the ridge beam and located in the end walls only, whereby to leave the interior free, the struts extending from the foundation of the building to the ridge beam, and a roof supported by the beam and the side and end walls.

2,297,248
POROUS MATERIALS AND PROCESS OF MAKING
Hans Rudolph, Bietigheim-on-the-Elbe, Wurttemberg, Germany; vested in the Alien Property Custodian
Application July 23, 1937, Serial No. 155,292
In Germany August 21, 1936
2 Claims. (Cl. 18—48)

1. As a new article, a porous body suitable for



use as a filter or diaphragm, consisting of self-bonded particles of thermoplastic artificial resins selected from the group consisting of acrylic and vinyl resins, parts of the surfaces of said particles being joined to each other with interstices therebetween.

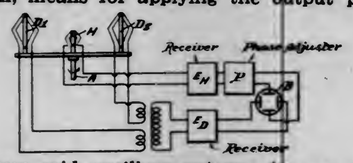
2,297,249

DOUBLE FRAME DIRECTION FINDER WITH VISUAL INDICATOR

Wilhelm Runge, Berlin-Wannsee, Germany; vested in the Alien Property Custodian

Application May 18, 1938, Serial No. 208,562
In Germany June 12, 1937
8 Claims. (Cl. 250—11)

1. In a direction finder the combination which includes a pair of directional antennas and an auxiliary directional antenna, said antennas being rotatably mounted and having similar directional characteristics, an indicator having separate control means for causing a resultant deflection, means for applying the output potential from said auxiliary antenna to one of said control means, and means for applying the difference of the output potentials from said pair of antennas to the other of said control means.

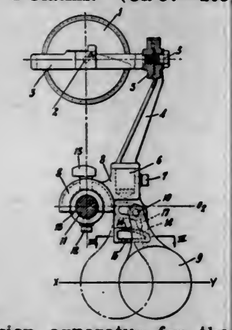


2,297,250

TENSION APPARATUS

Shinzaburo Sato, Kojimachi-ku, Tokyo, Japan; vested in the Alien Property Custodian

Application November 13, 1936, Serial No. 110,583
In Japan March 14, 1936
4 Claims. (Cl. 57—105)



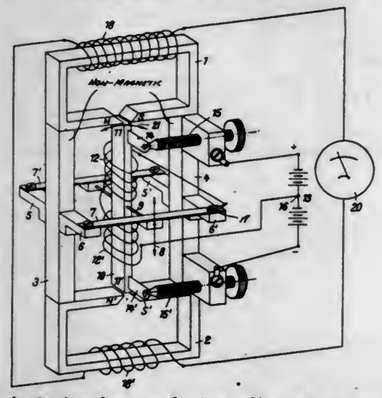
1. A tension apparatus for the purpose set forth, characterized by having a guide pulley adapted to tension a lengthwise moving tape, a pulley holder for said pulley and in which said pulley is rotatable around a transverse axis, an arm upon one end of which said pulley holder is mounted, said arm being rotatable around an upright axis, a cradle carrying the arm, pulley holder and pulley, and rotatable upon a suitable bearing, the axis of which defines the main pivot of the apparatus, and a weight adapted to act upon said apparatus to apply tension to said tape, said tension apparatus being further characterized by such disposition of its aforesaid elements that the center of gravity of the apparatus is positioned on the line passing through the center of the main pivot of the apparatus and perpendicular to another line connecting said center with the pivot center of the guide pulley with the result that the tension in the tape is thereby maintained constant regardless of the elongation or contraction produced in the tape.

2,297,251

DEVICE FOR MEASURING DISPLACEMENTS WITH CARRIER FREQUENCY

Karl Schild, Berlin-Tempelhof, Germany; vested in the Alien Property Custodian

Application June 16, 1938, Serial No. 214,130
In Germany June 21, 1937
6 Claims. (Cl. 177—352)



1. A device for producing alternating current and for modulating alternating current upon displacements to be measured, comprising at least one magnetic circuit consisting of a magnet having confronting pole faces of opposite magnetic polarities separated by a constant air gap, an armature movably mounted near said air gap so as to act as a magnetic bridge for the magnetic flux of said magnet, means for continuously oscillating said armature at a constant speed so as to periodically reduce its distance from either of the confronting pole faces while simultaneously increasing its distance from the other thereby producing periodic variations of constant frequency and amplitude in the magnetic resistance of said circuit, an induction coil arranged in the magnetic field of said circuit so that an alternating voltage is generated in said coil by the periodically changing magnetic flux, means for additionally varying the magnetic conductivity of said air gap in response to the displacement to be measured, thereby producing modulations of said alternating voltage, an electro-motive force responsive means, and connecting means between said coil and said electro-motive force responsive means.

2,297,252

PROCESS FOR THE PURIFICATION OF SOLUTIONS THAT SERVE AS GENERATORS FOR PERCOMPOUNDS

Heinrich Schmidt, Niederskunnersdorf, Germany; vested in the Alien Property Custodian

Application June 17, 1938, Serial No. 214,245
In Germany February 12, 1937
5 Claims. (Cl. 204—84)

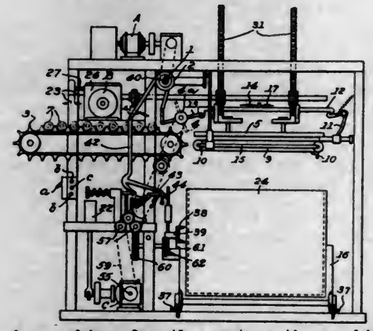
1. In a continuous cyclic process for producing hydrogen peroxide by distillation from a persulfate solution, the steps consisting of diluting the residual solution obtained after said distillation, purifying the diluted solution by passing it through the cathode chamber of at least one diaphragm cell in which the cathode potential is maintained sufficient to reduce the impurities in the solution without appreciably reducing the persulfate present, thereupon partially reoxidizing said solution by passing it through the anode chamber of the diaphragm cell, and then passing the solution leaving the diaphragm cell through at least one diaphragmless cell and completing the reoxidation in said diaphragmless cell by exposing the solution to current conditions effective for anodic oxidation to persulfates of high concentration.

2,297,253

MACHINE FOR THE AUTOMATIC PACKING OF SHUTTLES AND SUCH LIKE TOOLS INTO CASES

Antonio Scotti, Schio, Vicenza, Italy; vested in the Alien Property Custodian

Application October 8, 1938, Serial No. 234,011
In Germany October 21, 1937
5 Claims. (Cl. 226—14)



1. A machine for the automatic packing of shuttles and similar objects in packing cases, said machine comprising a conveyor carrying the objects, a collecting box, an ejection device for pushing the objects from the conveyor into said collecting box, said collecting box having an endless band constituting the bottom of said collecting box; and rollers supporting said endless band; means moving said endless band longitudinally and operated by the pushing action of the objects introduced into the collecting box by the ejection device, a slidable truck supporting a packing case, and means connected with the said collecting box for depositing the objects from the collecting box into the packing case.

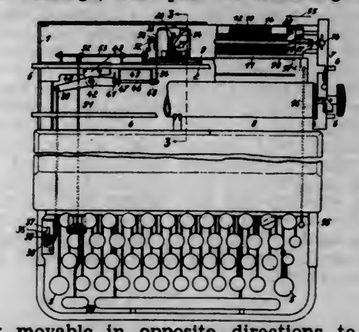
2,297,254

TYPEWRITER AND LIKE MACHINE

Hugo Schüler, Siegmar-Schonau, Germany; vested in the Alien Property Custodian

Application August 23, 1938, Serial No. 226,343
In Germany August 28, 1937
19 Claims. (Cl. 197—63)

9. A typewriter or like machine comprising a paper carriage, a frame in which said carriage travels, stops mounted in the frame, a plurality of riders each having a tabulator stop lug and a margin stop lug, said riders being settable in said carriage in opposite directions from a central ineffective position into two effective positions to place said stop lugs in and out of cooperation with said frame stops, a manually operable rider setting member, a pair of rider actuating means operative upon the riders individually in accordance with the position of the paper carriage, said pair of actuating means



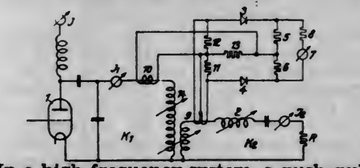
being movable in opposite directions to each other to set a rider into a desired position, and connections between said setting member and said actuating means.

2,297,255

PHASE CONTROL IN HIGH FREQUENCY COUPLED CIRCUITS

Erich Schulze-Herringen, Berlin, Germany, and Fritz Gutzmann, Schoneiche, near Berlin, Germany; vested in the Alien Property Custodian

Application July 22, 1939, Serial No. 285,846
In Germany July 26, 1938
5 Claims. (Cl. 172—245)



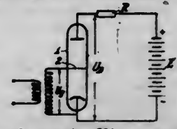
1. In a high frequency system, a push-pull circuit, comprising two tubes each having at least a cathode, a grid and a plate, a grid circuit formed between the said grids and the said cathodes, a plate circuit connected across the said plates and the said cathodes, a phase-comparing circuit consisting of a differential bridge circuit comprising a pair of unilateral conducting devices, and means adapted to impress voltages from the said grid circuit and the said plate circuit upon the said differential bridge circuit in parallel and push-pull relation respectively for determining the phase relation therebetween.

2,297,256

TUBE CONTROL

Winfried Otto Schumann, Munich, Germany; vested in the Alien Property Custodian

Application April 10, 1939, Serial No. 267,189
In Germany April 11, 1938
3 Claims. (Cl. 250—27)



1. Method of controlling and extending the field of control over the arc current in a system comprising an arc discharge tube provided with anode, cathode and control grid, and electricity supplying means for said anode, cathode and

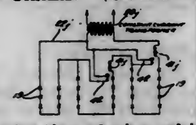
grid, which method comprises applying a voltage to the arc discharge tube to form an arc between anode and cathode, applying a voltage to said grid having a negative value as against the discharge plasma, and increasing said grid voltage, whereby the arc discharge voltage is proportionally increased, and continuing to increase said grid voltage until the critical point in the arc voltage is reached, being the point immediately after which the arc current breaks off, and passing through said critical point with a constant grid voltage; thereafter decreasing said grid voltage as slowly as desired and to the desired degree, whereby the arc current may be slowly decreased or maintained at any desired point beyond said critical point, sudden breaking off of the arc current after the critical point being thus prevented.

2,297,257
ALTERNATING CURRENT DISCHARGE LAMP
Ernst Otto Seitz and Walter Lotz, Hanau-on-the-Main, Germany; vested in the Alien Property Custodian
Application November 25, 1938, Serial No. 242,394
In Germany November 25, 1937
1 Claim. (Cl. 176—124)



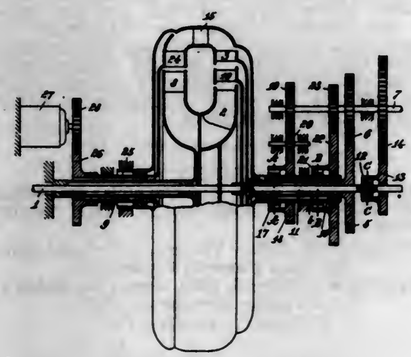
A system for operating high pressure gas- or vapor-filled alternating current discharge lamps having incandescent electrodes comprising an electric circuit, a high pressure, metal vapor-filled electric discharge lamp having its electrodes connected in said circuit, a condenser connected in said circuit, in series with said lamp for stabilizing the current flow in said circuit, and a heat radiating non-inductive resistance element in the form of an incandescent lamp connected in series with said condenser and discharge lamp.

2,297,258
DISCHARGE DEVICE
Hans J. Spanner, Berlin-Kladow, Germany; vested in the Alien Property Custodian
Application April 22, 1938, Serial No. 203,557
9 Claims. (Cl. 176—124)



1. An illuminating device which comprises a current source, a plurality of high pressure vapor lamps connected in series and a constant current transformer which maintains a constant current output through a limited voltage range and adapted to adjust itself to impose upon the circuit when no current is flowing a voltage higher than the sum of the break-down voltages of all the lamps in the series when cold, and to reach the limit of its constant current range above the minimum voltage resulting from starting of the discharge in the vapor lamps, whereby to provide an overload current for rapid vaporization in the vapor lamps.

2,297,259
HYDRODYNAMIC POWER TRANSMISSION
Victor Speiser, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian
Application August 16, 1938, Serial No. 225,253
In Germany August 18, 1937
13 Claims. (Cl. 74—189.5)



1. Fluid torque converter drive comprising a rotatably mounted primary driving part, output means, a main secondary driven part also rotatably mounted and arranged coaxially with, and in the path of, the discharge of said primary driving path and coupled to said output means, rotatably mounted auxiliary driven parts arranged coaxially with said secondary driven part, overrunning clutches between said auxiliary driven parts and said output means, a stationary guide part arranged in front of the primary driving part in the direction of fluid flow, and means for so connecting said auxiliary driven parts to said output means that said auxiliary driven parts will revolve in relation to said secondary driven part, so that said auxiliary driven parts may be also adapted to impose substantial torque on the output means and may be disengaged from said latter as soon as their driving power ceases.

2,297,260
MANUFACTURE OF ARTIFICIAL SILK
Johann Joseph Stoeckly, Teltow, and Wolfgang Linnhoff, Berlin-Lankwitz, Germany; vested in the Alien Property Custodian
No Drawing. Application May 9, 1939, Serial No. 272,634. In Germany May 11, 1938
4 Claims. (Cl. 18—54)

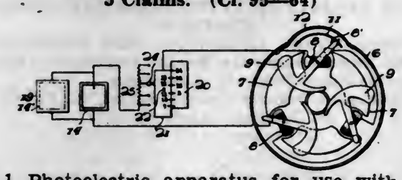
1. The process of producing threads of regenerated cellulose which comprises first spinning a viscose solution through the orifices of a spinneret into a primary, zinc-bearing, aqueous spin bath to form an incompletely decomposed viscose thread therein and subsequently stretching and decomposing said thread in a hot, secondary, aqueous spin bath to form a thread of regenerated cellulose, said primary spin bath containing about 16 to 30 grams of zinc sulphate, about 110 to 115 grams of sulphuric acid, about 150 to 250 grams of magnesium sulphate and about 200 to 260 grams of sodium sulphate per liter of bath, and said secondary spin bath having a temperature of at least 60° C. and containing less sodium sulphate, zinc sulphate, sulphuric acid and magnesium sulphate per liter of bath than said primary bath, whereby incrustation of said spinneret is substantially prevented.

2,297,261
NUT LOCKING DEVICE
Adolf Thode, Ihlsee, near Bad Segeberg, Germany; vested in the Alien Property Custodian
Application July 27, 1938, Serial No. 221,494
In Germany August 3, 1937
10 Claims. (Cl. 151—35)



1. A lock washer comprising, in combination, a ring-shaped body; and teeth integrally joining the body and having lateral biting portions; each tooth comprising a part integral with the body and a portion separated from the body and integral with said part and folded flat upon said part to make a double thickness tooth stiffer than said ring shaped body; said part and portion being inclined so that the plane of the tooth as a whole is inclined to the plane of the body.

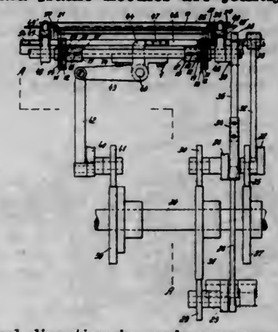
2,297,262
PHOTOGRAPHIC APPARATUS
Hans Ferdinand Tönnies, Hamburg-Grossflottbek, Germany; vested in the Alien Property Custodian
Application December 8, 1938, Serial No. 244,703
In Germany January 19, 1938
5 Claims. (Cl. 95—64)



1. Photoelectric apparatus for use with the lens of a camera, said apparatus comprising a plurality of diaphragm blades, means pivotally supporting said blades for movement in planes normal to the axis of the lens, and electrical instrument means for actuating said blades; each of said blades having a single light-intercepting edge located outside of and tangent to the light passage through said lens in the fully open diaphragm position, the curvature of the blade edge being non-circular with respect to the blade axis to move radially into the light passage with increasing current flow through said electrical instrument means.

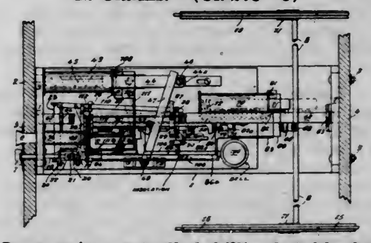
2,297,263
PRODUCING WELTS
Paul Tuchscherer, Chemnitz, Germany; vested in the Alien Property Custodian
Application April 8, 1939, Serial No. 266,844
In Germany April 9, 1938
12 Claims. (Cl. 66—96)

1. In a device for the manufacture of welts upon a flat knitting machine of the Cotton type, comprising a machine bed, a plurality of divisions, loop forming elements including frame needles provided in each division, a shaft extending over the entire length of the machine, welt bars and guide members for said welt bars arranged outside said loop forming elements provided in each of the divisions, each of said guide members comprising two parts one of which, facing said frame needles, being swingably arranged upon said shaft, while the other part is fixed to said machine bed, both parts being capable of cooperating in such a manner that during the manufacture of the welt both parts remain in a horizontal position, whereas, for transferring the beginning course of the welt upon said frame needles, said guide members facing said frame needles are jointly swung in



an upward direction in such a manner that said welt bars, subjected to the action of an auxiliary draw off mechanism, are first moved obliquely upwardly and directly afterwards vertically downwardly until they engage with stops, and that during the downward movement of said guide members the transfer of the loops of the beginning course to said frame needles is jointly effected in all divisions.

2,297,264
COIN-CONTROLLED BILLIARD TABLE
Modesto Veneri, Sinalunga, Italy; vested in the Alien Property Custodian
Application July 12, 1939, Serial No. 284,136
In Italy July 14, 1938
12 Claims. (Cl. 273—3)

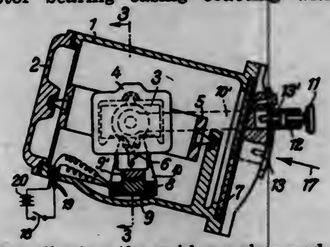


1. In a coin controlled billiard table having a flat surface, an elastic cushion extending upwardly from the table surface and adapted to be engaged by balls rolling on the table surface, non-resilient means arranged adjacent the surface of the table and longitudinally of the cushion so that the balls may engage the cushion when rolling on the table surface without engaging said non-resilient means, means for raising said non-resilient means to a position along the cushion whereby the balls rolling on the table surface engage the non-resilient means without engaging the cushion, and detent means for maintaining said non-resilient means in a raised position.

2,297,265
GYROSCOPIC INSTRUMENT
Gert Zoege von Manteuffel, Berlin-Dahlem, Germany; vested in the Alien Property Custodian
Application August 1, 1938, Serial No. 222,563
In Germany August 2, 1937
7 Claims. (Cl. 74—5)

1. In a gyro-vertical for aircraft, an outer housing, a rotor, means for driving the rotor, a rotor bearing casing, means for supporting the

casing in said housing for movement about normally horizontal major and minor trunnion axes at right angles to the rotor spin axis, means for normally erecting the rotor bearing casing, and means for positioning the casing during starting up periods of operation of the gyro-vertical comprising an auxiliary member pivoted to the housing, electromagnetic means comprising a first means on said member and a second means on said rotor bearing casing coacting with each



other for aligning the said member and casing, and means situated exteriorly of the housing for setting said pivotal auxiliary member so that through the cooperation therewith of said electromagnetic means the rotor spin axis of the rotor bearing casing is substantially vertically positioned regardless of the fore and aft inclination of the aircraft with respect to the ground.

2,297,266

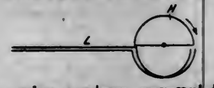
LECHER WIRE SYSTEM

Martin Vieweger, Berlin, Germany; vested in the Alien Property Custodian

Application June 14, 1939, Serial No. 279,128

In Germany June 22, 1938

7 Claims. (Cl. 178—44)



1. A Lecher wire system comprising a pair of Lecher wires and means for effecting continuous tuning of said Lecher wires by varying the capacity per unit length of said wires from one end thereof comprising a body having a dielectric constant greater than unity mounted for selective adjustable insertion between said wires from one end thereof and along the length thereof, said member being in insulated relation with respect to said wires.

2,297,267

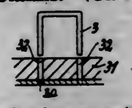
METHOD OF CONNECTING STRUCTURAL PARTS OR PLATES BY MEANS OF STAPLES

Walter Meinel von Tannenberg, Bremen, Germany; vested in the Alien Property Custodian

Application April 9, 1938, Serial No. 201,155

In Germany October 1, 1936

3 Claims. (Cl. 1—2)



1. That method of connecting constructional sheets by stapling which consists in providing a staple having parallel arms with end faces constituting material removing cutting punches, forming in one of the sheets to be connected guide openings spaced to receive the arms of the staple, placing said sheet over a metal sheet, inserting the arms in said openings, and forcing the arms of said staple through the metal sheet and thereby removing plugs of material corresponding in cross section with the cross sections of said arms.

2,297,268

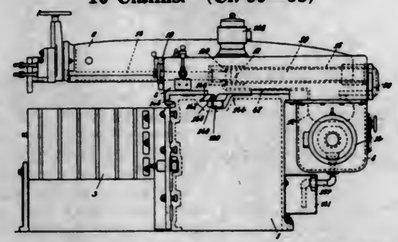
SHAPING MACHINE

Fritz Wegerdt, Chemnitz, Germany; vested in the Alien Property Custodian

Application August 19, 1937, Serial No. 159,952

In Germany August 22, 1936

10 Claims. (Cl. 90—38)



1. A shaping machine comprising a tool holder, a tool holder slide which is movable transversely to the planing direction and on which the tool holder reciprocates in the planing direction, and hydraulic means for driving the tool holder and comprising a pump and a control device which are rigidly connected with the tool holder slide.

2,297,269

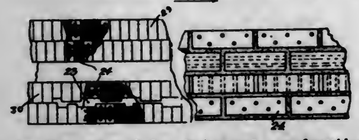
TEST STAND FOR INTERNAL COMBUSTION ENGINES

Friedrich Wendt, Jakob Haug, Karl Kohlbecker, and Eduard Seppeler, Berlin, Germany; vested in the Alien Property Custodian

Application October 8, 1938, Serial No. 233,964

In Germany April 19, 1937

17 Claims. (Cl. 72—41)



1. A testing stand for internal combustion engines comprising surrounding walls built of honeycomb bricks having groups of holes running through the same and being disposed in multiple courses with spaces between mutually facing adjacent portions of the bricks with which groups of said holes in said bricks communicate, while said groups of holes in turn communicate with the interior of said stand.

2,297,270

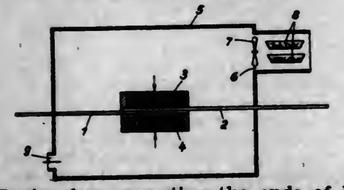
CONNECTING FILM ENDS

Hugo Westerkamp, Cologne-Braunsfeld, Germany; vested in the Alien Property Custodian

Application April 18, 1939, Serial No. 268,646

In Germany May 6, 1938

2 Claims. (Cl. 154—42)



1. Device for connecting the ends of lengths of film, comprising a housing and two compression jaws located in the housing and between which the ends of the film lengths may be inserted in overlapped condition with a film solvent therebetween and by which jaws the overlapping portions may be compressed to the thickness of a single film and from between which the excess material may escape, said jaws having smooth, rigid and substantially plane surfaces for compressing engagement with the film lengths and having a porous structure throughout the area of overlapping formed by a multiplicity of closely spaced fine channels through which evaporated solvent may be gradually withdrawn directly from the contacted surface and discharged through the structure to the interior of the housing, said housing having openings in alignment with the jaw surfaces and through which the ends of the film lengths may be introduced into the space between the jaws.

2,297,271

GALVANOPLASTIC MULTIPLICATION OF SOUND RECORD BANDS

Hugo Westerkamp, Cologne-Braunsfeld, Germany; vested in the Alien Property Custodian

Application May 9, 1939, Serial No. 272,680

In Germany May 6, 1938

1 Claim. (Cl. 204—5)



A device for preparation of an electrolytically deposited matrix from which multiple sound record bands may be prepared, comprising sound record and anode bands in the form of a spiral wound about an axis transverse to the lengths of said bands, said bands being of like width, the sound record band having a carrier layer and a mechanically sensitive wax recording layer with mechanical cut sound record grooves located in one longitudinally extending region of the surface thereof and with edge portions of the wax layer free of such grooves, said recorded region having an electrically conductive coating thereon, said anode band being smooth and free of projections over the region of its surface opposite said recorded region and having at its edges projections spaced longitudinally along the anode band and extending toward and into contact with the said edge portions of the wax layer and holding the anode band spaced from the sensitive wax surface for providing a continuous spiral compartment for electrolyte and for protecting the region of the recorded wax surface from mechanical contact, said compartment being open to the exterior at the spaces between said projections.

2,297,272

TOXIFERINE, THE ACTIVE PRINCIPLE OF CALABASH-CURARE, AND METHOD OF PURIFYING THE SAME

Heinrich Wieland, Munich, and Wilhelm Konz, Nieder-Ingelheim-on - the - Rhine, Germany; vested in the Alien Property Custodian

No Drawing. Application January 13, 1938, Serial No. 184,906. In Germany January 14, 1937

7 Claims. (Cl. 260—236)

6. A method of purifying toxiferine which comprises the steps of producing the (tetrathiocyanato-diammino-chromi)-salt of calabash-curare; dissolving said substance in acetone; causing aluminium oxide to act on the dilute acetonic solution of the (tetrathiocyanato-diammino-chromi)-salt of calabash-curare; evaporating the acetonic solution of the tetrathiocyanato-diammino-chromi)-salt of calabash-curare after said solution, by adsorption, has been freed from the substances accompanying the toxiferine; decomposing said compound by adding a mineral acid; removing the (tetrathiocyanato-diammino-chromi)-acid by extraction with ether; subsequently effecting fractional precipitation of the solution of the mineral acid salts in organic solvents by adding ether; adding anthraquinone-beta-sulfonates and crystallizing the toxiferine anthraquinone-beta-sulfonate thus obtained.

2,297,273

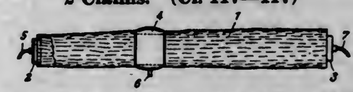
METHOD FOR THE IMPREGNATION OF LOGS

Karl Wolman, Berlin-Grunewald, Germany; vested in the Alien Property Custodian

Application July 25, 1938, Serial No. 221,265

In Germany August 9, 1937

2 Claims. (Cl. 117—117)



1. A method for the impregnation of logs of any length according to the sap displacement process, consisting in disbarking the log in the middle of its length and incising the disbarked portion to a depth only sufficient to remove the entire cambium and thereby produce an exposed ring and introducing impregnating liquor at the butt and top ends of the log and at the same time withdrawing the sap at the exposed ring.

2,297,274

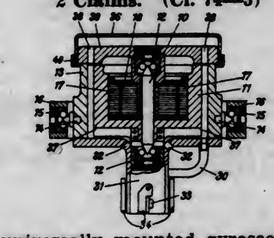
GYROSCOPE

Guido Wünsch, Berlin-Wannsee, Germany; vested in the Alien Property Custodian

Application May 27, 1939, Serial No. 276,243

In Germany May 27, 1938

2 Claims. (Cl. 74—5)



1. A universally mounted gyroscope comprising a case, a spindle rotatably mounted within said case, a rotor attached to said spindle, a support for pivoting said case about a first axis at right angles to said spindle, said support being itself pivoted about a second axis at right angles to said spindle and said first axis, a flanged hood resting loosely on said case, abutment means on the flange of said hood adapted to engage a projecting part of said case, and means for delivering to the underside of said flanged hood compressed air produced by the rotation of said rotor.

2,297,275

REFRIGERATION

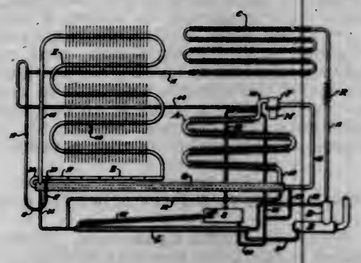
Louis K. Acheson, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio

Application February 10, 1941, Serial No. 378,162

25 Claims. (Cl. 62—119.5)

1. An absorption refrigerating apparatus com-

prising, an evaporator and absorber, circuits for the circulation of the mediums within the apparatus including a closed inert gas conduit between the evaporator and absorber, a fan for circulating the inert gas in its circuit, and a



local closed circuit through said fan independently of said medium circuits whereby a comparatively large volume of gas is circulated through said fan and a relatively small volume of gas is circulated through the inert gas circuit.

2,297,276

PROTEIN COMPOSITION AND FOAM ABATEMENT

Francis Clarke Atwood, Newton, Mass., assignor to Atlantic Research Associates, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1938, Serial No. 186,910
1 Claim. (Cl. 106—146)

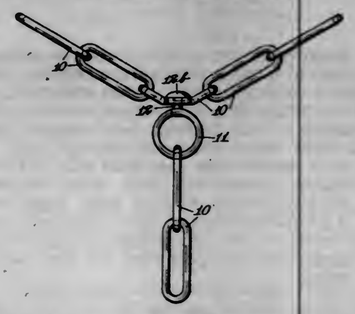
A casein paint comprising an aqueous casein dispersion, a pigment, and as a foam abating agent, an aliphatic ester having a boiling point higher than water and which is not completely soluble in water, the amount of said ester in said paint being in excess of that necessary to satisfy the solubility of the ester in the water of the dispersion whereby at least a part of said ester in the paint is undissolved in the water.

2,297,277

CHAIN SWIVEL

Joseph B. Bambenek, Winona, Minn., assignor to Peerless Chain Company, Winona, Minn., a corporation of Minnesota

Application June 16, 1941, Serial No. 398,262
2 Claims. (Cl. 59—95)



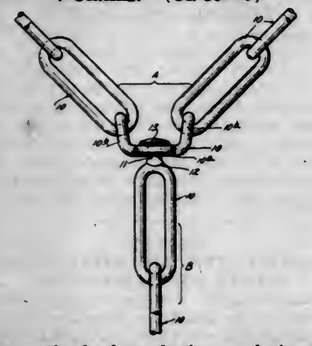
1. A link chain having a substantially oblong link, the sides of which are inwardly distorted to form an intermediate socket and looped ends, a headed swivel pin projected through said socket, and a chain link welded to the projected end of said swivel pin.

2,297,278

METHOD OF PRODUCING SWIVELS IN LINK CHAIN STRUCTURES

Joseph B. Bambenek, Winona, Minn., assignor to Peerless Chain Company, Winona, Minn., a corporation of Minnesota

Application April 23, 1942, Serial No. 440,142
7 Claims. (Cl. 59—9)



1. The method of producing a chain structure with swivel connection therein, which consists first in forming chain sections, at least one of the links of which is an oblong link, in distorting the side portions of said oblong link to form a swivel socket at the intermediate portion thereof, in providing a headed swivel pin and inserting the same through the socket of said deformed link, and in welding a link to the projecting end of said swivel pin.

2,297,279

DUCT-ENCLOSED BUS STRUCTURE

Charles W. Attwood, Detroit, Mich.

Application August 18, 1939, Serial No. 290,883
6 Claims. (Cl. 174—99)



2. In combination with a tubular duct structure having a plurality of openings in one face thereof, a bus assembly extending substantially axially through said duct structure, and formed in sections individually rotatable about a longitudinal axis, means for supporting said bus assembly in the duct srtucture, comprising a plurality of combined insulating and supporting structures fixedly secured to the bus assembly and extending radially therefrom and grouped substantially at each of a plurality of common points, in positions to be accessible through said openings, said structures being in engagement with the interior of the duct structure but rockable and slidable along the interior of the latter and rotatable with the bus, about the axis thereof, to facilitate access to said insulating and supporting structure through said openings.

2,297,280

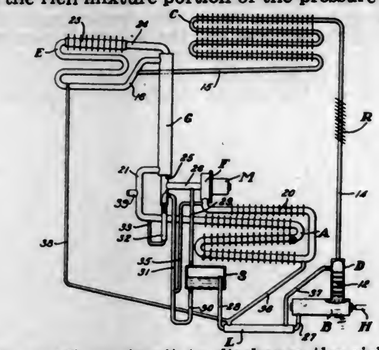
REFRIGERATION

Justice H. Beach, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application July 20, 1938, Serial No. 220,203
23 Claims. (Cl. 62—119.5)

1. Absorption refrigerating apparatus comprising a pressure equalizing medium circuit including an evaporator and an absorber, a solution

circuit including a boiler-analyzer and said absorber, a condenser in free unobstructed communication with said analyzer and said evaporator, and a power driven circulator positioned in the rich mixture portion of the pressure equal-



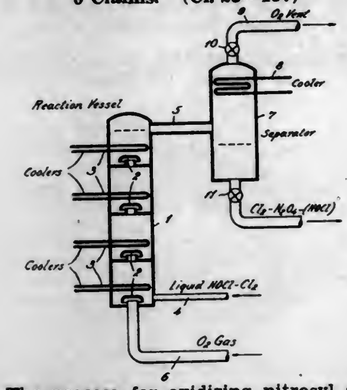
izing medium circuit to discharge the rich mixture under pressure into said absorber and to circulate the pressure equalizing medium through said evaporator with a velocity sufficient to propel the liquid refrigerant through the evaporator.

2,297,281

PROCESS FOR OXIDIZING NITROSYL CHLORIDE

Herman A. Beekhuis, Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York

Application September 26, 1939, Serial No. 296,553
6 Claims. (Cl. 23—157)



1. The process for oxidizing nitrosyl chloride which comprises intimately contacting a gas containing oxygen with liquid nitrosyl chloride initially containing a minor proportion of nitrogen peroxide at about 50° C. and under a high pressure and thereby oxidizing a substantial proportion of said nitrosyl chloride to nitrogen peroxide and chlorine.

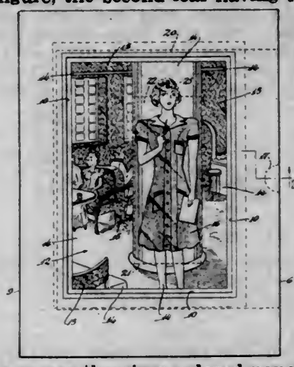
2,297,282

COLOR-MATCHING DEVICE

Charles W. Belden, Chicago, Ill., assignor, by mesne assignments, to American Linen Company, Los Angeles, Calif., a corporation of California

Application January 22, 1941, Serial No. 375,439
20 Claims. (Cl. 35—56)

1. A color harmony matching system, comprising a two-leafed book having on its first leaf a window bridged by transparent material, having a pictorial delineation thereon in part made by the use of opaque material and providing first and second transparent areas, the first corresponding to certain areas of a room and the second corresponding to the area of a dress of a human figure, the second leaf having removably



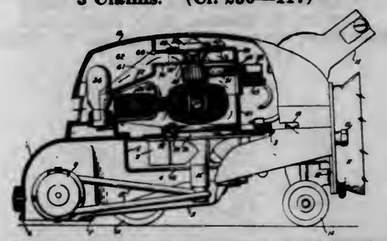
held in a recess therein a colored panel adapted to be opposed to the first transparent area when the leaves are closed, a second colored panel removably fitting within an opening in the first panel and adapted to be opposed to said second transparent area when said leaves are closed.

2,297,283

SUCTION CLEANER

Quentin Berg, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application May 13, 1940, Serial No. 334,725
3 Claims. (Cl. 230—117)



1. In a suction cleaner, the combination of suction creating means including a motor, a housing for said motor provided with ports at its opposite ends for the circulation of ventilating air therethrough, said housing formed in two sections, one of said sections positioning the commutating brushes and a rotor bearing and including a raised circular portion forming the top and circular sides of a ventilating fan chamber, a ventilating fan provided with a single shroud of greater radius than the fan blades, said shroud having a central opening adapted to form a fan inlet, said shroud and said raised circular portion of the housing cooperating to form a complete ventilating fan chamber.

2,297,284

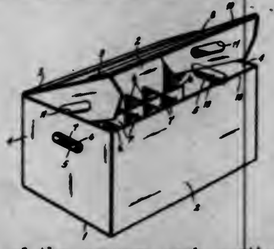
CONTAINER

Smith A. Blackman, Kirkwood, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland

Application April 29, 1940, Serial No. 332,293
2 Claims. (Cl. 206—65)

1. A sealed shipping carton of bottles having narrow neck portions and wide body portions, said carton comprising end walls with hand

holes therethrough, a cover for said carton having end flaps that extend downwardly into said carton alongside of said end walls and below the level of the hand holes therein, and partitions forming individual compartments for the bottles below the level of said hand holes and adapted to support said end flaps along their lower edges, said end flaps having hand holes therein registering with the hand holes in said end walls, said end flaps being of a depth sufficient to bring the lower ends thereof below



the level of the narrow neck portions of said bottles with said end flaps disposed with their lower ends held between the wide body portions of the endmost bottles and said end walls whereby said wide portions of said endmost bottles are adapted to prevent said end flaps from being forced inwardly and upwardly over the tops thereof and said endmost bottles surreptitiously removed from the sealed carton by forcibly withdrawing said endmost bottles therefrom through the joints between said end walls of said carton and the ends of said cover.

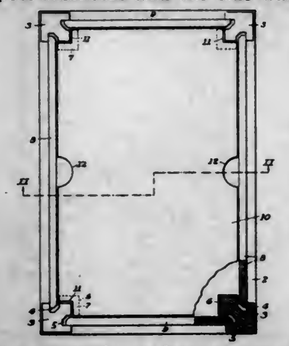
2,297,285
CARDHOLDER FOR KEY CHAINS
Charles W. Bledsoe, Lake James, Ind.
Application March 20, 1941, Serial No. 384,405
1 Claim. (Cl. 40—17)



A cardholder comprising a body portion constructed of transparent material, said body portion embodying members of identical construction, each of said members having a wide groove formed in one face thereof, said groove extending inwardly from one end of the member and terminating in spaced relation with the opposite end of the member, defining a ridge along one surface of the member adjacent to the side edges and one end thereof, said transparent members adapted to be positioned together with the grooved sides thereof toward each other and the ridges thereof contacting, the contacting ridges being permanently secured together, providing an open-ended pocket for an identification card, and said body portion having an opening extending transversely therethrough adapted to receive a chain for holding the cards within the body portion, against accidental displacement.

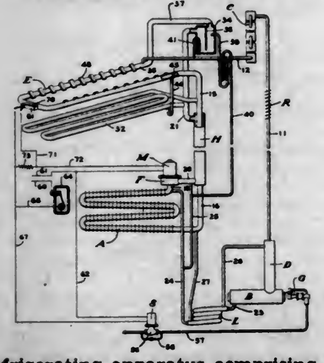
2,297,286
SAGGER
Austin R. Book, New Stanton, Pa.
Application January 30, 1940, Serial No. 316,313
2 Claims. (Cl. 25—153)

1. A composite sagger comprising a one-piece bottom tile of refractory composition, a plurality of refractory corner post members secured to the bottom tile, a plurality of separate side wall tile members of refractory material resting edgewise on the bottom tile and having a loose interfitting engagement with the corner posts the corner post members and the side wall members



forming a complete enclosure around the edge of the bottom tile, the sagger being open at its top, a horizontal tray within the sagger of a dimension such that it may be introduced through the open top of the sagger, and means on some of said members for supporting the tray in spaced relation to the bottom tile and below the upper edges of the side wall tiles.

2,297,287
REFRIGERATION
George A. Brace, Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 20, 1938, Serial No. 220,197
25 Claims. (Cl. 62—5)

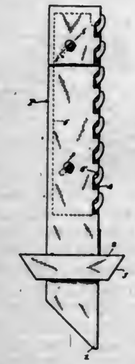


3. Refrigerating apparatus comprising a cooling unit, a cooling medium supply means connected to said cooling unit, temparature responsive means for intermittently storing liquid refrigerant in a storage vessel, and means for flowing liquid refrigerant from said storage vessel into said cooling unit after a predetermined collecting period.

2,297,288
FENCE POST
Talmadge Brinson, Savannah, Ga.
Application July 5, 1940, Serial No. 344,158
1 Claim. (Cl. 256—52)

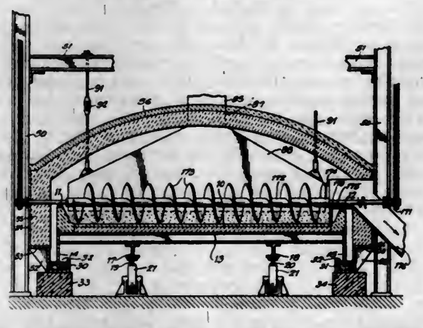
A post of the class described comprising an angle iron body having a vertical row of notches

in its corner portion, each notch being of substantially rectangular shape but having an upwardly and outwardly sloping upper end, each notch having a portion in the front part of one flange of the post and another portion in the other flange with the tip of the sloping part of the notch in the junction of the two flanges, a plate resting against the inner face of one of the flanges of the post, said plate having diagonally arranged slots therein, screws passing through



said flange and through said slots, said plate having upwardly curved tongues on one side edge thereof with the tongues curving laterally to pass through the centers of the notches and tool engaging parts on the post and on the plate for moving the plate in one direction to project the tongues to permit wires to be placed on the upper edges thereof and then in an opposite direction to cause the tongues to clamp the wires between themselves and the upper walls of the notches.

2,297,289
FURNACE DISCHARGING DEVICE
Oliver D. Collis, Eldred C. Brace, and Emery O. Thompson, Clinton, Iowa, assignors to The Collis Company, Clinton, Iowa, a corporation of Iowa
Original application July 31, 1939, Serial No. 287,476, now Patent No. 2,266,005, dated December 16, 1941. Divided and this application June 9, 1941, Serial No. 397,280
2 Claims. (Cl. 214—21)

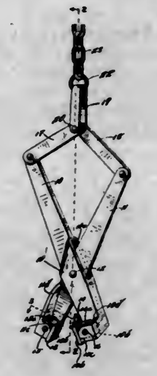


1. A treating mechanism in which is comprised an annular hearth mounted for rotation about a fixed axis, a stationary annular roof supported above the hearth, means for delivering loose material upon the hearth, and means for removing the loose material from the hearth at a fixed point in the rotation of the latter comprising a screw mounted for rotation about a horizontal axis extending radially of the hearth at an elevation thereabove such that the lower portion of each convolution of the screw engages within the bed of loose material upon the hearth, a discharge chute adjacent one end of the screw, and means carried by the screw convolution at the outer end thereof proximate to the chute for lifting material from the hearth to a point of gravity discharge through the chute, an elevated unobstructed lateral passageway to the chute being arranged to receive material from the material elevating means of the conveyor when such means is in an elevated position.

2,297,290
SYNTHETIC RUBBERLIKE COMPOSITION
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application December 1, 1939, Serial No. 307,144
8 Claims. (Cl. 260—36)

1. A composition comprising (1) a compound of the class consisting of polyvinyl halides and polyvinylidene halides, and (2) an itaconic diester of a carbocyclic-substituted saturated aliphatic monohydric alcohol.

2,297,291
GRAPPLING OR PULLING TOOL
Alton T. Danielson, North St. Paul, Minn.
Application March 30, 1940, Serial No. 327,041
3 Claims. (Cl. 294—118)



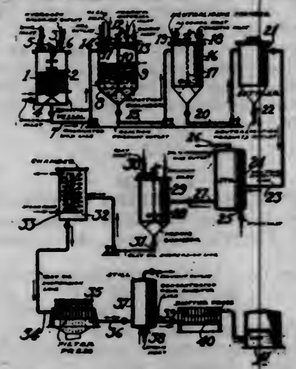
1. A grappling tool having in combination, a pair of levers connected by a pivot adjacent their ends, said levers having flanges projecting therefrom respectively at the same sides thereof and substantially parallel to the axis of said pivot, lugs upstanding from said flanges respectively, jaws pivoted respectively to said lugs above said flanges about axes extending parallel to the axis of said pivot, said jaws having opposed corrugated faces adapted to swing into parallel relation when an object is grappled, said flanges respectively forming stops for said jaws, links connected at one end respectively to the opposite ends of said levers and means pivotally connected to the other ends of said links adapted to receive a support for said tool adapted to be lifted.

2,297,292

PROCESS FOR PRODUCING POUR INHIBITORS FOR WAX CONTAINING OILS

Garland H. B. Davis, Elizabeth, and Charles C. Swoope, Roselle Park, N. J., assignors, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware

Application May 26, 1936, Serial No. 81,900
3 Claims. (Cl. 252—59)



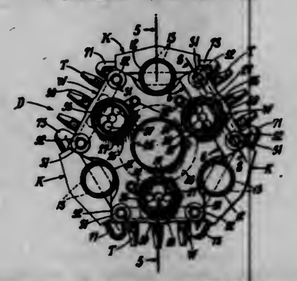
1. The method of making a pour test depressor which will be effective in heavy oils, which method comprises heating a mixture of a chlorinated wax with naphthalene to reaction temperature, adding aluminum chloride to the heated mixture, agitating the mixture during the addition of the aluminum chloride and separating the resultant pour point depressor from sludge and impurities.

2,297,293

FLAME HARDENING APPARATUS

Roger O. Day and Herbert W. Cowin, Westfield, N. J., assignors to The Linde Air Products Company, a corporation of Ohio

Application October 9, 1940, Serial No. 360,424
2 Claims. (Cl. 266—4)



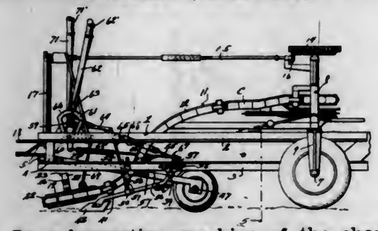
1. Apparatus for flame hardening inner surface portions of a generally tubular metal article comprising a heating and quenching device having a body provided with a plurality of longitudinally extending wings spaced equally about the periphery thereof and a central chamber; at least one longitudinal row of heating flame outlets in each of said wings; passages formed in each of said wings for distributing a combustible mixture of gases to said outlets; separate passages formed in each of said wings for circulating a cooling medium through said wings from one end of said body to the opposite end thereof and thence into said central chamber; means for supplying a combustible mixture of gases to the distribution passages in said wings; means for supplying a cooling medium to the circulation passages in said wings; and means for withdrawing the cooling medium from said central chamber.

2,297,294

BEET HARVESTING MACHINE

Walter J. Flintjer, Cheyenne, Wyo.

Application February 25, 1941, Serial No. 380,549
8 Claims. (Cl. 55—108)



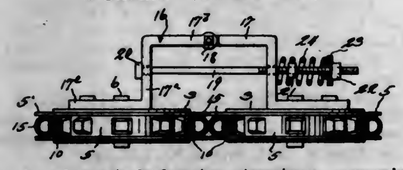
1. In a harvesting machine of the character stated, including a horizontal frame structure and an elongated elevator structure having a raised rear end and a forward end disposed in close proximity to the ground, the said rear end being supported for rocking movement on an axis extending transversely of the frame, an arm coupled at one end with the said frame and extending rearwardly of the forward end of the elevator, a coupling between said arm and the elevator for suspension of the forward end of the elevator, and a ground engaging element connected with the other end of the arm and designed to follow the contour of the ground and raise and lower the forward end of the elevator.

2,297,295

YIELDABLE CONNECTIONS FOR COOPERATION CONVEYER UNITS

Walter J. Flintjer, Cheyenne, Wyo.

Application March 27, 1941, Serial No. 385,551
2 Claims. (Cl. 198—162)



1. An elongated elevator structure, comprising two units each having an endless outwardly opening channel guide and an endless gripper mechanism arranged to move in the channel guide, each of said units at its forward end including an idler wheel around which said endless gripper means passes, said idler wheels having relatively wide flanges in opposed relation and extending beyond the guide channel, and a yieldable coupling between the forward ends of said units by which relative lateral movement between the endless grippers and the opposed flanges of the idler wheels is facilitated.

2,297,296

CONVEYER

Walter J. Flintjer, Cheyenne, Wyo.

Application March 27, 1941, Serial No. 385,552
3 Claims. (Cl. 198—162)

1. An endless gripper structure for a conveyer, comprising a plurality of elongated bodies arranged in end to end relation and each having a pair of laterally extending ears upon one longitudinal side and a channel along the opposite longitudinal side directed away from said ears, a coupling link between each ear of one body and the adjacent ear of an adjacent body, and a tubu-





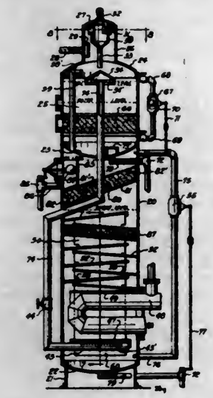
lar body disposed in the channel of the first body and secured therein and having the length of the portion of its wall opposite from the channel of materially less thickness than the portion of the wall lying in the channel.

2,297,297

TREATMENT OF OIL, GAS, AND WATER MIXTURES

Jay P. Walker, Tulsa, Okla., assignor of forty per cent to Guy O. Marchant and six per cent to C. G. Wells, both of Tulsa, Okla.

Application May 27, 1940, Serial No. 337,405
33 Claims. (Cl. 183—2.7)



5. In the type of continuous closed system of treating oil emulsion streams wherein gas, oil and water are separated in a primary stage, and the remaining emulsion mixture is washed in a body of hot water in a secondary stage, the improvement which includes taking off gaseous vapors at various points in the progress of the method and commingling the gas and gaseous vapors to condense hydrocarbon fractions, and admixing the hydrocarbon condensates with the oil to enhance the gravity thereof.

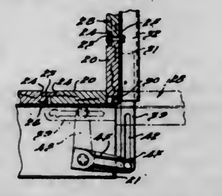
31. In an apparatus for treating oil well emulsion streams, the combination of a primary separating chamber having an inlet for the well stream, means in the chamber for separating gas from the influent, means for collecting oil and water in the chamber below the inlet, means for carrying off water from the chamber, means for carrying off oil from the chamber at a point below the inlet, a washing receptacle having a closed vapor condensing space at its upper end, means for discharging water from the receptacle and maintaining a body of water therein, means for discharging the oil from the chamber into the lower portion of the body of water, means for dispersing and baffling the oil as it flows upwardly through the body of water, means for heating the body of water, means for carrying off oil from the receptacle below the condensing space thereof, whereby condensates from the condensing space are admixed with the oil, and means for carrying off water from the receptacle at the lower portion of the body of water therein.

2,297,298

VEHICLE BODY

Lowell C. Freeman, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware

Application January 12, 1940, Serial No. 313,554
7 Claims. (Cl. 296—14)



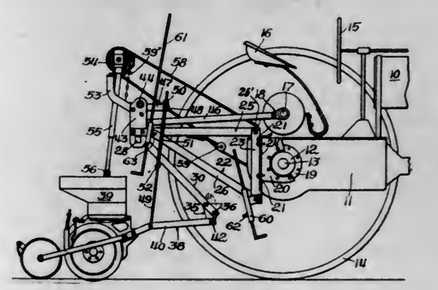
1. A truck type of body having a floor and hinged side panels in combination with slotted arms rigidly secured thereto and projecting below said floor, pivoted arms joined to said extending arms and forming an over-center toggle therewith when the sides are disposed in vertical position.

2,297,299

MULTIPLE-ROW PLANTING ATTACHMENT FOR TRACTORS

William S. Graham and Frederick E. Hand, Canton, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application December 31, 1938, Serial No. 248,860
12 Claims. (Cl. 111—69)

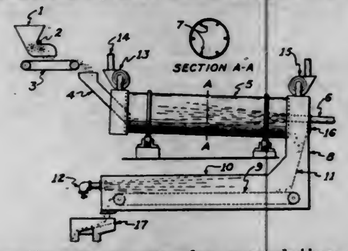


1. In combination, a tractor having a rear axle structure, a frame structure adapted to be rigidly attached to the tractor and to extend rearwardly of the rear axle structure, brackets adapted to be connected to the frame structure and to extend forwardly and downwardly to a point near to the rear axle structure, planting tools of the trailing type including a substantially horizontally extending pull means, and a reversible means adapted to be carried by the bracket for connecting the pull means thereto at different vertical locations.

2,297,300
PROCESS FOR THE GRANULATION OF CRYSTALLINE MATERIALS

John O. Hardesty, Arlington, Va., and William H. Ross, Washington, D. C., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office

Application January 31, 1941, Serial No. 376,826
1 Claim. (Cl. 23—89)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

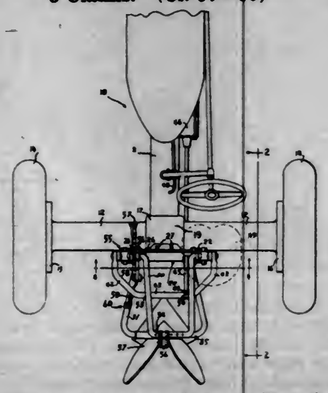


A continuous process for granulating finely-divided potassium chloride, which comprises adjusting potassium chloride to a moisture content of 10–12 percent, thence subjecting the moist potassium chloride to a rolling and cascading action in a rotating cylindrical drum in the presence of a non-drying atmosphere, the while heating the potassium chloride to such a temperature between 60° C. and 100° C. as will engender a fluidity of the liquid phase to cause agglomeration of the fine particles into granules of a predetermined size, thence allowing a continuous flow of the resulting moist granular material to fall on the moving belt of a tunnel dryer, and drying the granules at a temperature of 200°–400° C. by a counter-current flow of hot air.

2,297,301
TRACTOR-ATTACHED IMPLEMENT

James L. Hipple, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application May 10, 1941, Serial No. 392,835
8 Claims. (Cl. 97—50)

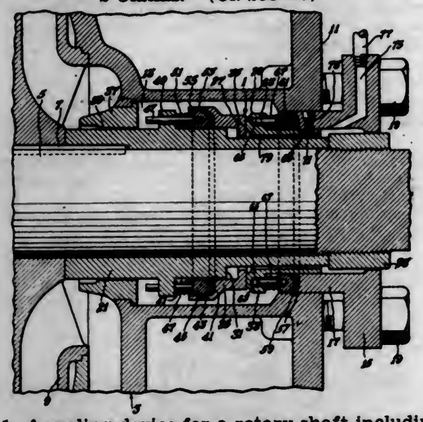


1. In combination, a tool-supporting structure, a tool attachment of the single tool type including a bracket structure adapted for connection to the tool-supporting structure, a working tool, and means for connecting the working tool to the bracket structure, and means for converting the tool attachment into a tool attachment of the double tool type including other bracket structures adapted to be laterally disposed with respect to the first-mentioned bracket structure and respectively at opposite sides thereof, whereby the said connecting means for the said working tool may be connected between the first-mentioned bracket structure and one of the other bracket structures, and means adapted to be connected between the bracket at the opposite side and the first-mentioned bracket structure for the connection thereto of a second working tool.

2,297,302
SEALING DEVICE

Hanns Hornschuch, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application June 22, 1940, Serial No. 341,843
2 Claims. (Cl. 286—7)



1. A sealing device for a rotary shaft including a sleeve on the shaft having a shoulder, a ring shaped sealing member fitting closely the larger diameter of the sleeve and sealed thereat, having an inwardly extending flange at the shoulder, a second sealing member about the sleeve, both said sealing members having cooperating sealing and bearing end surfaces and being adapted to move longitudinally with respect to the shaft, and individual resilient means for the sealing members acting in opposition to each other to actuate the said members endwise of the shaft for holding said end surfaces in contact.

2,297,303
CARBON RESISTANCE TOOL

Lawrence W. Humfeld, Frankfort, Ind., assignor to Humfeld-Hodgen Prod. Co., Frankfort, Ind., a copartnership consisting of Lawrence W. Humfeld and John H. Hodgen

Application April 15, 1941, Serial No. 388,656
8 Claims. (Cl. 219—26)

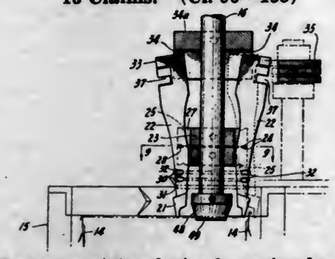


1. A carbon resistance multi-purpose heating tool suitable for soldering as well as arc welding purposes including in combination an insulation handle having a bore therethrough, a carbon resistance electrode of pencil type, an elongated support slidable in the bore and projecting from the handle and supporting the electrode at the projecting end, a soldering tip, substantially tubular means telescopically associated with the handle end from which the support projects and substantially enveloping the support and carbon electrode, the interior of the tip being arranged for electrode contact, cooperating means on the adjacent telescopically associated ends of the tubular means and handle detachably connecting same together for soldering purposes and permitting ready separation for tubular means and tip removal for arc welding purposes, the addition of hand engageable means carried by the opposite end of the support and slidably associated with the handle at the opposite end thereof and normally constrained toward a direction opposite from the electrode, and stop means carried by the support, nestable within the tubular means when the latter is handle carried, and cooperating with the first mentioned end of the handle for limiting electrode movement away from the tip when the latter is carried by the handle.

2,297,304
WRAP STRIPE DEVICE FOR CIRCULAR KNITTING MACHINES

Victor Linden Jansson, Thornbury, Victoria, Australia

Application May 9, 1941, Serial No. 392,686
In Australia May 21, 1940
13 Claims. (Cl. 66—135)



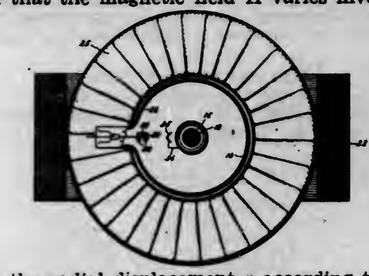
1. In a wrap stripe device for a circular knitting machine of rotating needle cylinder type, of the kind which includes a rotatable head arranged eccentrically relatively to the needle circle, spaced radial slots in the said head, flat fingers arranged in the respective slots, some of said fingers being arranged in groups, the upper end of each finger in each group being gapped so that any finger in any said group may be actuated to locate the yarn guide on that finger in the operative position relatively to one or more selected needles and means to resiliently embrace the lower ends of all the said fingers, each finger in each group being formed so that outward movement of one yarn guide will not relieve the resilient pressure on any other finger in the same group.

2,297,305
MAGNETIC INDUCTION ACCELERATOR

Donald W. Kerst, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application November 13, 1940, Serial No. 365,520
7 Claims. (Cl. 250—27)

1. In a magnetic induction accelerator for charged particles; a closed vessel defining a chamber within which such particles may move in a circular path, a magnetic structure outside said vessel and comprising opposed, generally circular pole pieces which are coaxial with the vessel, means for producing a time-varying magnetic field between said pole pieces, the pole pieces being of outwardly tapered configuration such that the magnetic field H varies inversely



with the radial displacement r according to the proportionality

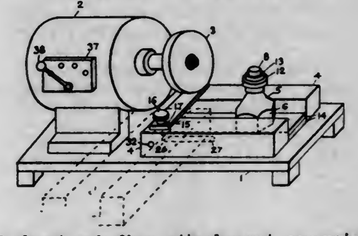
$$H\alpha\frac{1}{r^n}$$

where n is between zero and unity, and means including a source of charged particles within the said annular chamber and also within the region in which the magnetic field distribution follows the aforementioned proportionality for projecting charged particles within the annular chamber in a definite direction and with a substantial initial velocity.

2,297,306
FACET GRINDING ATTACHMENT

Harry Kousin, New York, N. Y.

Application July 26, 1941, Serial No. 404,130
9 Claims. (Cl. 51—125)



1. A facet grinding attachment comprising a base, parallel guiding rails on the base, a grinding wheel rotatively supported above the base with its plane at right angles to the rails, a post having a polygonal base with parallel opposite sides adapted to be slidably moved between the rails, means on the post for holding an object to be ground by the wheel, and liners on the base between the rails for adjusting the height of the post.

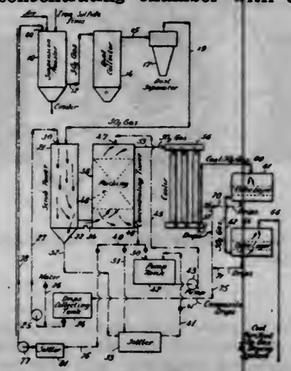
2,297,307
PROCESS FOR ROASTING ORE

Urban S. Lauber, Glen Rock, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York

Application October 28, 1940, Serial No. 363,137
7 Claims. (Cl. 23—178)

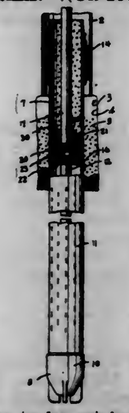
5. In the production and purification of SO_2 gas by an operation involving oxidation of metal sulfide fines in a suspension roasting zone with formation of metal oxide cinder and a hot SO_2 gas stream carrying entrained solids, separation

from the gas stream in the dry way of the bulk of entrained solids, and subjection of the gas to wet purification to effect separation of residual solids and other impurities, the improvement comprising treating the gas stream, after dry separation therefrom of the bulk of entrained solids, to effect separation from the gas stream of the major portion of said residual entrained solids, contacting the resulting gas stream in a packed concentrating chamber with a sulfuric



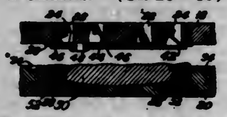
acid solution, regulating the contacting operation so as to increase H_2SO_4 strength of said solution and so that the liquid effluent of such contacting operation has an H_2SO_4 concentration not in excess of that causing precipitation of contained metal sulfate, and then dissociating at least a portion of said liquid effluent by means of heat liberated on suspension roasting of further quantities of metal sulfide fines to thereby recover, as SO_2, sulfur values contained in said portion.

2,297,308
WELL BOTTOM ASSEMBLY FOR GRAVELING
Leslie A. Layne, Houston, Tex.
Application September 7, 1940, Serial No. 355,842
2 Claims. (Cl. 166—1)



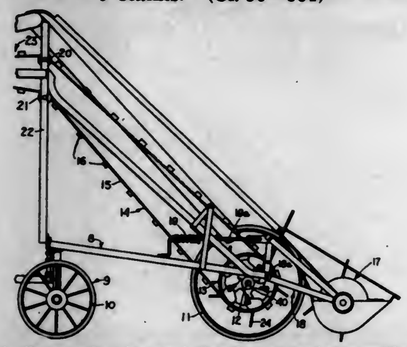
2. A well bottom to be set in a well bore comprising a strainer, liner and packer assembly, gravel discharge ports through said liner, a combination pipe and gravel plug device insertable and removable relative to said well bottom to deflect gravel moving down the liner through said ports, and means on said device for connection of a setting member thereto.

2,297,309
METHOD OF MOLDING
Rollin J. Limbert, Conshohocken, Pa.
Application December 29, 1939, Serial No. 311,465
2 Claims. (Cl. 18—59)



1. The method of making a road marker having a rigid base and a resilient plastic facing which consists in punching prongs out of said base and deflecting them at an angle to one face thereof, placing a closure over the openings left by the punching out of said prongs, placing said base and closure against a mold section having openings therein for accommodating said prongs, placing the material for forming said resilient facing in another mold section, and applying said base and said first mentioned mold section under pressure onto said plastic material and the mold section containing the same.

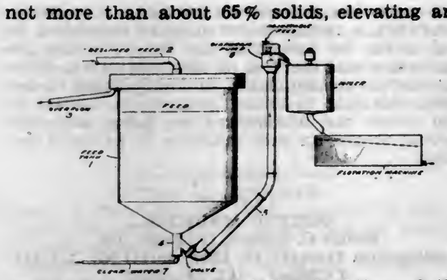
2,297,310
PICK-UP MECHANISM
Marcus E. McClellan, Ottumwa, Iowa, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa, a corporation of Iowa
Application January 2, 1941, Serial No. 372,697
9 Claims. (Cl. 56—364)



1. In an implement having a rotary cylinder and a belt trained around the same, at least one tooth-carrying member pivotally supported on said cylinder for rotation about an axis substantially parallel to the axis of the cylinder, and means on said tooth-carrying member engageable by said belt during a portion of each revolution of the cylinder for holding the tooth-carrying member in fixed position with respect to the cylinder.

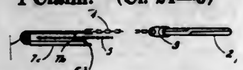
2,297,311
FLOTATION FEED CONTROL
Harry L. Mead and Ernest J. Maust, Brewster, Fla., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application December 27, 1939, Serial No. 311,092
1 Claim. (Cl. 209—3)

A method of controlling an elevating deslimed phosphate rock flotation feed which comprises introducing a deslimed phosphate flotation feed containing about 75% solids into the suction line of a diaphragm pump while simultaneously and continuously introducing into said suction line an amount of water sufficient to reduce the solids content in the suction line to from about 50 to not more than about 65% solids, elevating and



discharging the diluted flotation feed through the diaphragm pump.

2,297,312
SECURITY HOLDER FOR KEYS AND VALUABLES
Herman Mieth, Louisville, Ky.
Application January 31, 1940, Serial No. 316,522
1 Claim. (Cl. 24—3)



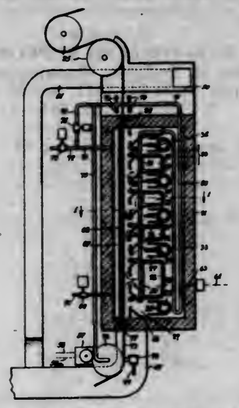
The combination, in a security holder for keys and valuables, comprising an inner-clasp and an outer-clasp, said outer-clasp comprising a U-shaped member with a spring action, having a bight portion and two substantially parallel wings or legs, said outer-clasp also being guided in a channel-shaped guideway of the spline-grooves fastened to the inner-wing, which receives and holds the outer to the inner-clasp; said inner-clasp having movable jaw portions arranged in opposed relation to each other, said inner-clasp being slidably guided within the outer-clasp; said outer-clasp having a substantially straight spring having one end thereof secured to the outside portion of one of said wings intermediate the ends thereof, said spring having a detent on its free end projecting into the guideway and path defined by said outer-clasp, whereby the inner-clasp may be locked within the outer-clasp, said spring having a projection on its free end portion whereby the spring may be operated to retract the detent from the guideway to release the inner-clasp from its locked position within the outer-clasp.

2,297,313
LIGHT REFLECTING DEVICE
Charles Peter Molla, New York, N. Y.
Application June 4, 1940, Serial No. 338,777
1 Claim. (Cl. 88—78)



A light reflecting device of the character described comprising a rod having a tapered end, a substantially cup-shaped member secured at the other end of said rod, said member being a floral decoration and comprising a plurality of petal-like sections providing reflecting faces, said sections having creases increasing the reflecting surface of said sections, a reflector button, and means forming part of said member securing said button centrally of said member.

2,297,314
DRYING APPARATUS
Bernard Offen, Chicago, Ill.
Application March 4, 1939, Serial No. 259,743
6 Claims. (Cl. 263—3)

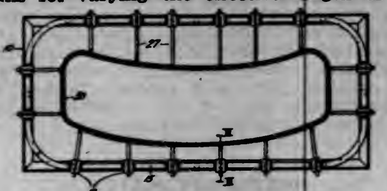


1. In a drying apparatus of the character described for drying inked web material, a casing forming a drying chamber, means for passing through said casing a web to be dried, a plurality of air supply passageways within said casing adapted to deliver air to said material at a plurality of points, shielded burner means arranged in said air supply passageways and spaced from said points of air delivery, return air port means adapted to receive air and products of combustion which have contacted with said material, means for circulating through said air supply passageways air and products of combustion withdrawn through said port means and fresh air in controlled proportions, and means for exhausting from the apparatus air and products of combustion which have contacted with said material and are not recirculated to said air supply passages, damper means for regulating the exhaust of air and products of combustion, the inflow of fresh air and the recirculation of air and products of combustion, means for detecting changes in the speed of web travel through the casing and means responsive thereto for controlling the proportions of fresh air and returning air and products of combustion.

2,297,315
APPARATUS TO PRODUCE BENT GLASS
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application March 28, 1941, Serial No. 385,665
11 Claims. (Cl. 49—67)

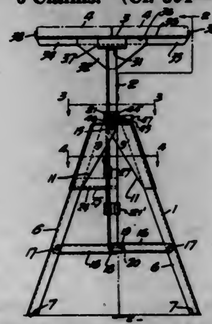
1. A glass bending apparatus comprising a frame having side portions and end portions, a skeleton mold in the form of a substantially endless flexible band for supporting a glass plate horizontally, said mold having side portions and transverse end portions disposed in proximity to the side portions and end portions respectively of the frame, arms projecting from the frame

to the side and end portions of the mold, and means for varying the effective length of the



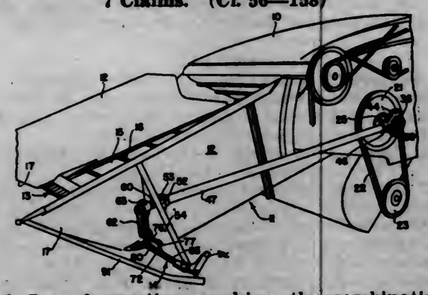
arms whereby they can support portions of said mold at different heights.

2,297,316
SCAFFOLDING SUPPORT
Charles M. Padgett, Washington, D. C.
Application April 21, 1941, Serial No. 389,660
6 Claims. (Cl. 304—4)



1. In a device of the character described, the combination with a metallic base member comprising a pair of pivotally connected plate members embracing and connecting downwardly diverging legs formed of a structural shape, of a scaffolding supporting member including an upright standard, said standard slidably engaging a guiding member rigidly secured to one of said plates of said base member, locking means carried by said guiding member adapted to engage a portion of said scaffolding support to hold the same in any one of a plurality of positions.

2,297,317
HARVESTER-SICKLE DRIVING MEANS
Louis A. Paradise and Ralph L. Anderson, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Original application July 29, 1940, Serial No. 348,128. Divided and this application December 4, 1941, Serial No. 421,566
7 Claims. (Cl. 56—158)



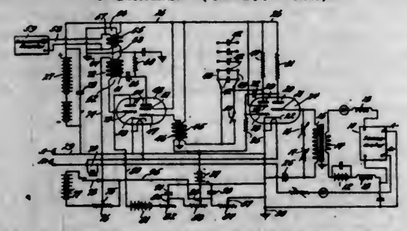
1. In a harvesting machine, the combination of a cutter bar, a reciprocative sickle cooperative therewith, a reciprocative member connected to said sickle for actuating the latter, means for supporting said member on said machine in driving relation to said sickle, said supporting means being shiftable to adjust said sickle relative to said cutter bar, and means for fixing said supporting means on said machine in adjusted position.

2,297,318
DRYING MACHINE
Ralph C. Parkes, Glenside, Pa.
Application January 15, 1941, Serial No. 374,448
3 Claims. (Cl. 34—105)



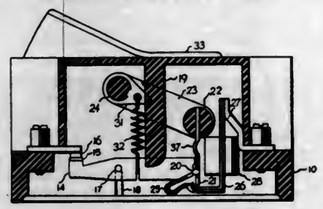
1. A drying machine of the character stated comprising a chamber, means for admitting a drying medium into said chamber, a drawer slidable into and out of said chamber, means carried by said drawer for supporting the objects to be dried comprising a rotatably mounted horizontally disposed rod carried by said drawer, a plurality of vertically disposed pins carried by said rod, means for rotating said rod, and means for locking said rod against rotation.

2,297,319
SEISMIC CIRCUITS
Josephus O. Parr, Jr., San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application June 18, 1940, Serial No. 341,215
19 Claims. (Cl. 177—352)



18. A recording system for seismic waves occurring in a train extending over a period of several seconds in which the first part of the train has a general amplitude level several times greater than that of the remainder and in which the general level of the remainder gradually decreases, comprising in combination, a transducer for converting said waves into voltages indicative of the amplitude and in sympathy with said waves, an amplifier for said voltages associated with said transducer, a recorder connected to the output of said amplifier, said amplifier including a tube having a control element, an automatic volume control tube having a control element associated with said output, a source of negative bias voltage for said second mentioned element normally adjusted to prevent current flow in the anode circuit of the A. V. C. tube until said output exceeds a predetermined value, means responsive to current flow in said anode circuit to increase the amount of negative bias on the control elements of both tubes and a condenser associated with said anode circuit so as to be charged to the extent of and by said bias increase, said condenser being adapted to maintain an excess negative bias on said elements after its charging voltage is removed.

2,297,320
CIRCUIT BREAKER
Elwood T. Platz, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application May 9, 1941, Serial No. 392,603
2 Claims. (Cl. 200—116)



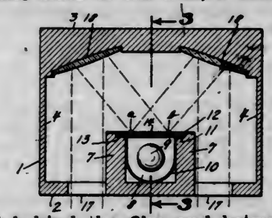
ON

1. In a circuit breaker, a movable contact bar having at one point a contact for engaging a stationary contact, holding means releasably engaging another point on the bar, spring means between the contact and the holding means for normally biasing the bar contact against the stationary contact, when the holding means holds, and for normally biasing the bar against the holding means so as to be held thereby, means forming a fixed journal for the bar at a point between the spring means and the contact thereof whereby the spring means rocks the bar for contact separation when the holding means releases the bar, and manual actuation means including a fulcrummed lever separate and independent of the bar journal means and connected to the holding means for moving it, and for moving the bar when the holding means holds the bar, on the bar journal point as a pivot, for effecting contact separation, when the manual actuation means is moved in one direction, the manual actuation means also functioning, when moved in the opposite direction, to return the bar to the stationary contact, the fulcrum of the lever and the journal of the bar being relatively spaced so that the axes of rotation of lever and bar are eccentric, and circuit responsive means for moving the holding means, on overload, away from the bar to release it, the lever and bar rotating in parallel planes, said spring means and lever being interconnected at one point of the lever, said spring means and bar being interconnected at one point of the bar, the aforesaid two points, with the lever fulcrum and the bar journal, defining a parallelogram, whereby the spring means is not stressed during manual actuation movement.

2,297,321
WITHDRAWN

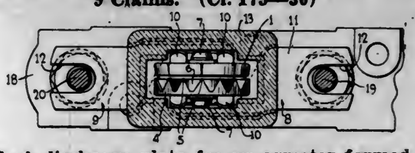
2,297,322
STEREOSCOPIC APPARATUS
Charles A. Rasco, Oakland, Calif., assignor of one-half to Rozelle L. Williams, Oakland, Calif.
Application June 17, 1940, Serial No. 340,876
4 Claims. (Cl. 88—29)

1. A stereoscopic apparatus comprising a box, means for mounting a film therein with an image on said film, the box having a pair of eye holes on opposite sides of the film, a source of light



mounted behind the film and between the eye holes, and a pair of reflectors mounted in the box at reverse angularities in the line of sight of the eye holes and so as to face the image.

2,297,323
LIGHTNING ARRESTER
Frank Xavier Rees, Albany, N. Y., and Frederick C. Lavarack, Montclair, N. J., assignors to Railroad Accessories Corporation, New York, N. Y., a corporation of New York
Application September 27, 1940, Serial No. 358,626
9 Claims. (Cl. 175—30)



3. A discharge plate for an arrester formed of relatively high conducting material in the form of a cylindrical cup, the free edge of which is formed into a plurality of substantially equally spaced teeth, each tooth formed with an included angle of less than 45 degrees.

6. A lightning arrester, including in combination; a cylindrical prism of relatively high resistance material; a cylindrical cup of relatively low resistance material, said cup of an internal diameter substantially equal to the external diameter of the prism and said cup receiving said prism with a portion of the prism protruding therefrom, a second cylindrical cup of low resistance material, said second cup of an internal diameter substantially equal to that of the first cup and the free edge of said second cup toothed, means for positioning said cups on an axis passing through the central portion of the bases thereof with the teeth of the second cup presented toward the first cup and the points thereof in substantially the plane of the outer base of the protruding prism.

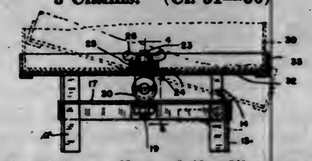
2,297,324
KEY HOLDER
Raymond Reger, Anderson, Ind.
Application March 4, 1940, Serial No. 322,084
1 Claim. (Cl. 150—40)



A key holder and support arrangement including in combination a container having substan-

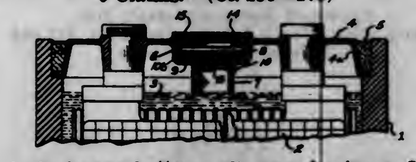
tially two registering flat sides, permanently connected together for a portion of their registering peripheries, manually actuable means arranged to connect the sides together to operatively close the unconnected peripheral portion of the container, and registering eyelets in said sides in juxtaposition to the last mentioned peripheral portion of the container, an open mouth pocket on each side and external thereof, the mouth of each pocket being juxtapositioned to the eyelet of that pocket supporting side, said pockets each being adapted for frequently used key reception, and flexible means of chain and like character connected to each pocket key and extending from eyelet to eyelet and through the same and including an intermediate container included portion of appreciable length for infrequently used key mounting retention within the container when closed, and capable of container removal without separation therefrom and the flexible means when the manually actuatable means does not close the container, the several keys each being strung upon the flexible means.

2,297,325
ADJUSTABLE SUPPORT
Henry Ancle Ricker, Windsor, Ontario, Canada
Application June 27, 1939, Serial No. 281,430
3 Claims. (Cl. 31—56)



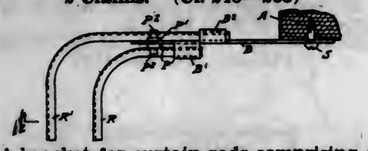
1. A stand for pails and the like, comprising a frame having legs projecting both above and below the same, and having another leg which does not project above the frame to the same extent, a pail-supporting structure rockably carried by the frame and overhanging the legs, and an extension appurtenant to said leg which does not project above the frame to the same extent, said extension being movable up and down and engageable with said supporting structure to act as a prop and prevent unwanted rocking thereof in cooperation with the other legs, the supporting structure being rockable when said extension is lowered, and means for affixing a pail to said supporting structure.

2,297,326
VALVED NONOVERFILL STRUCTURE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application November 16, 1939, Serial No. 304,772
9 Claims. (Cl. 136—178)



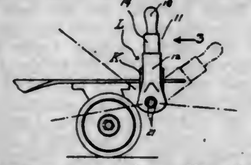
1. A storage battery cell cover having a filler opening with walls defining a well open to the interior of the cell and presenting an internal shoulder, a valve member having a sleeve which is a tubular portion extending downwardly from said shoulder and a flange resting on said shoulder, means permitting the passage of gas through the said shoulder under said flange, said flange adapted to close said means, a vented filler cap having means for engaging and lifting said sleeve, whereby to permit gas passage, and a stop for limiting the lifting motion of said sleeve.

2,297,327
BRACKET FOR CURTAIN RODS
Earl Riley, Pontiac, Mich.
Application September 21, 1940, Serial No. 357,683
2 Claims. (Cl. 248—263)



2. A bracket for curtain rods comprising a flat member lying in a single plane having one end adapted to be secured to a support and at the other end an opening, and a pin secured in said opening and projecting on each side to engage openings in a pair of rods proximate to the ends thereof, there being integral hook members upon the bracket overlying the respective ends of the rods and resisting the upward reaction thereof.

2,297,328
ROLLER SKATE AUXILIARY
Joseph Robinson and Emil G. Zaug, New York, N. Y.
Application May 12, 1941, Serial No. 393,054
6 Claims. (Cl. 280—11.32)

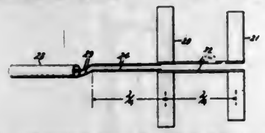


1. An adjusting means for roller-skate clamps comprising, a rotatable clamp-adjusting screw carried by the skate, said screw being provided with a projecting end of non-circular cross-section, an adjusting device for said screw including a chuck fitted over the projecting end of the screw and internally shaped to cause turning of the screw when the chuck is turned, means carried by the chuck for securing it to the screw, a handle connected to said chuck and extending at an angle thereto, a connection between the chuck and handle permitting rotation of the causing engagement of the handle and chuck to require rotation of the chuck with the handle and spring means for normally holding said chuck and handle in engaged relation.

2,297,329
WIDE-BAND ANTENNA ARRAY
Marvel W. Scheldorf, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 8, 1941, Serial No. 401,418
14 Claims. (Cl. 250—11)

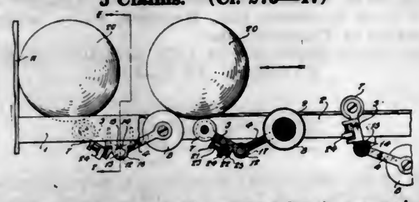
1. An antenna system comprising, in combination, two substantially coplanar, linear antenna elements, each element being connected to a feed point, impedance-inverting means interconnecting said feed points, said means comprising a transmission line having a length substantially equal to an odd multiple of a quarter

wave length at the mean operating frequency of the system, and a feed line connected to one of said feed points, the physical dimensions of said elements being so proportioned that, over a predetermined band of frequencies including



said mean frequency, the reactance and resistance variations with frequency looking from said one point into the element connected thereto are substantially equal and of opposite slope to the reactance and resistance variations with frequency looking into said line from said one point.

2,297,330
BOWLING BALL RUNWAY
Alfred C. Schoepfer, Prudenville, Mich.
Application January 21, 1941, Serial No. 375,163
5 Claims. (Cl. 273—47)



1. In a bowling ball runway having a pair of spaced rails at the player's end thereof, a series of levers pivotally supported by the runway and having end portions positionable in the space between the runways, a roller of small diameter on the end of each lever toward the end of the runway, and a roller of larger diameter on the end of the other arm of each lever providing a structure whereby a ball resting on the first named roller positions the roller at the other end of the arm in the path of a succeeding ball moving onto the runway to provide a stop therefor and maintaining an unobstructed space between the balls to facilitate the removal of any ball of the series from the runway.

2,297,331
METHOD OF PREPARING FRUIT SIRUPS
Gray Singleton, Fort Meade, Fla.
No Drawing. Application September 26, 1940, Serial No. 358,553
3 Claims. (Cl. 99—155)

1. The method of making citrus fruit sirups which comprises expressing the juices from citrus fruits, heating the juice, dissolving cane sugar in the heated juices to the extent of fourteen pounds of sugar to one gallon of juice, grinding and crushing the peel of oranges and adding the ground and crushed peel of four oranges to each gallon of sirup, boiling the sirup and orange peel for approximately fifteen minutes, removing the ground peel, oils and fats which rise to the surface during the boiling and then sealing the sirup, while hot, in containers.

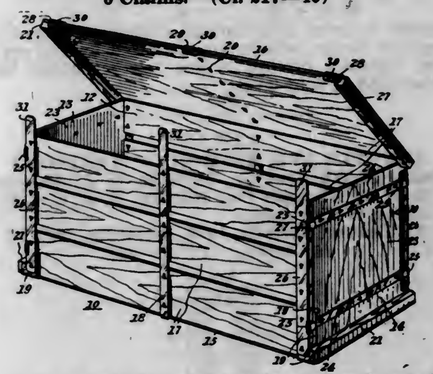
2,297,332
ROASTING AND TURNING CRADLE FOR MEAT
Shelloc M. Stewart, Laramie, Wyo.
Application June 9, 1941, Serial No. 397,302
3 Claims. (Cl. 53—6)

3. In a utensil of the character described, a plurality of flexible longitudinally extending strips, a multiplicity of rigid strips extending transversely of the said longitudinal strips, a pair of rigid rectangular shaped frames secured



to the opposed ends of the said longitudinal strips, and a pair of handles attached to the said frames.

2,297,333
SHIPPING CRATE
Thomas M. Vaughan, Tampa, Fla.
Application June 1, 1940, Serial No. 338,395
6 Claims. (Cl. 217—40)

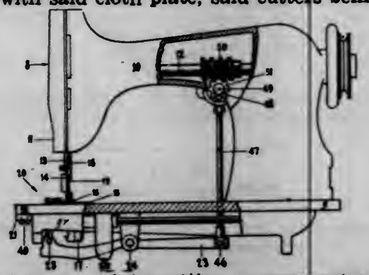


1. In a shipping crate, side and end panels, a top and a bottom, the ends of the top and bottom extending beyond the end panels and the ends of the sides, flat binding straps extending across the bottom adjacent the ends thereof with their edges on opposite sides of the end panels, said straps also extending upwardly along the side panels, the portions of said straps extending upwardly along said side panels having their outer edges flanged over the end panels, reinforcing straps of angle section overlying said flanged portions, and cross straps on the end panels, there being slots in the reinforcing straps, there being slots in the underlying portions of the binding straps registering with the slots in the reinforcing straps, the ends of cross straps extending through said slots and bent over the edges of the slots to draw the side panels against the edges of the end panels and lock the end panels against movement in all directions.

2,297,334
PINKING AND STITCHING MACHINE
Curt H. Weissenberg, St. Albans, N. Y.
Application January 9, 1940, Serial No. 313,148
13 Claims. (Cl. 112—123)

2. In a combined seaming and pinking machine, a work supporting base, a hook-driving shaft mounted below said base, a rotating hook carrying a bobbin case, a pinking attachment mounted below said sewing machine base and having a pivotal support integral therewith and extending downwardly, a lever mounted in said pivotal support below said base, a cutter carrier positioned rearward of said hook-driving shaft and carrying a male pinking cutter with V-shaped cutting edges, said cutter carrier being pivoted at one end of said lever and being positioned in spaced relation from said hook a distance sufficient to permit removal of said bobbin

case, said cutter carrier being reciprocable in a generally vertical direction, a cloth plate, a V-shaped female cutter mounted in angular relation with said cloth plate, said cutters being de-



signed to come into cutting engagement on the upward stroke, and means actuated by the sewing machine driving means for actuating the other end of said lever.

2,297,335

AMPOULE AND METHOD OF MAKING IT

Frank H. Wheaton, Jr., Millville, N. J., assignor to T. C. Wheaton Co., Millville, N. J., a corporation of New Jersey

Application April 21, 1939, Serial No. 269,095
15 Claims. (Cl. 49—84)



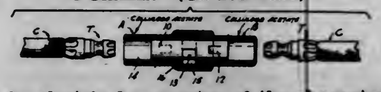
1. In the art of manufacture of glass ampoules, the method which comprises molding a body in the shape of a bottle having a bottom and an open neck from a mass of molten glass by a blowing operation and within a mold, reheating the neck and stretching said reheated neck to form an elongated ampoule stem open at its end.

2,297,336

ELECTRICAL CONNECTOR

Jesse M. White, Philadelphia, Pa.

Application May 15, 1940, Serial No. 335,260
4 Claims. (Cl. 173—328)



4. An electrical connector of the character described comprising an outer insulating sleeve part formed with bores of different diameter and a shoulder therebetween, an inner conducting sleeve carrying laterally extending abutment means engaging said shoulder, and a second insulating sleeve part received in the larger bore of said first insulated sleeve part with its inner end secured against said abutment means to clamp said abutment means against said shoulder and hold said conducting sleeve in position.

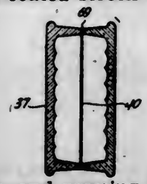
2,297,337

METHOD OF MAKING HOLLOW BLOCKS

Otis W. Wiley, Port Allegany, Pa., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania

Application June 1, 1940, Serial No. 338,406
4 Claims. (Cl. 49—82)

1. A method of making a vitreous block which comprises forming a pair of cup-shaped fusible members, heating the rims of the cup-shaped members to fusing temperature, coating a screen of fibrous material with fusible vitreous enamel, interposing the coated screen between the rims



of the members, and pressing the fused rims of the members toward each other against the screen to fuse the rims, the vitreous enamel, and the screen to form a partition between the cup-shaped members.

2,297,338

OPHTHALMIC MOUNTING

Thomas A. Willson, Wyomissing, Pa., assignor to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania

Application September 24, 1938, Serial No. 231,609
2 Claims. (Cl. 2—14)



2. In an ophthalmic mounting, a pair of spaced lens-rim-engaging framing wires having parallel vertical hinge-trunnion portions at their adjacent ends, and a spacing hinge-connecting plate for said framing wires having lateral hinge ear adapted to pivotally engage said framing wire trunnion portions, said plate having an integral widened light-excluding upward extension substantially filling the space between said framing wires above said hinge ears, and a bottom rearwardly extending return-bend plate extension provided at its free end with a flexible nose cushion of greater width than the lateral spacing of said plate hinge ears and yieldable to avoid lens fracturing when said framing wires are folded on their hinge connections.

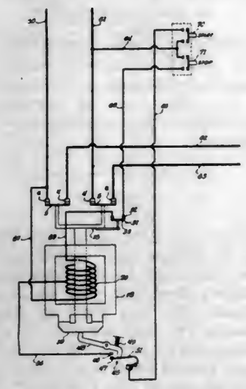
2,297,339

ELECTROMAGNETICALLY OPERATED DEVICE

Gustav O. Wilms and Albert J. Dawe, Milwaukee, Wis., assignors to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin

Application January 22, 1940, Serial No. 315,040
4 Claims. (Cl. 175—375)

1. An electro-magnet device operable by alternating current comprising a magnetic circuit including a fieldpiece and an armature, an energizing winding for said fieldpiece, a finding switch in series with said energizing winding and a control switch in series with the finding switch and energizing winding for connecting the circuit of said energizing winding and said finding switch to a source of alternating current; said armature being biased from its closed position with the fieldpiece; said magnetic circuit, with armature and fieldpiece closed, capable of residual magnetism derived from energization of said winding by alternating current to provide a holding force sufficient to maintain said armature closed against said bias; said finding switch being under the control of said armature so as to be closed when the armature is in open position and to be open when the armature is in the closed position; whereby, said winding and said finding switch on being connected by said control switch to a proper source of alternating current causes the armature to move from open



to closed position and if not retained in closed position then to move to open position and repeat the closing of said finding switch until said holding force is obtained greater than said bias.

2,297,340

METHOD OF MAKING ADHESIVES AND PRODUCT THEREOF

Davis Miller Wood, Tacoma, Wash.

No Drawing. Application February 28, 1939, Serial No. 258,946
11 Claims. (Cl. 106—154)

1. An adhesive composition which comprises the reaction product of a proteinaceous glue of at least one of the class consisting of vegetable seed flour of considerable protein content, casein, soluble blood albumin, and a sulphated product of the condensation reaction of fatty acids containing a predominant amount of C_{12} and C_{14} acids and monoethanolamine in an amount resulting in an increased spreadability, working life, strength and water resistance of the adhesive, and a water soluble metallic sulphate of Groups 3, 4 and 5 of the Fresenius System in an amount to increase water resistance, strength, spreadability and working life of the resultant adhesive.

2,297,341

METHOD OF MAKING ADHESIVES AND PRODUCT THEREOF

Davis Miller Wood, Tacoma, Wash.

No Drawing. Application February 28, 1939, Serial No. 258,947
11 Claims. (Cl. 106—154)

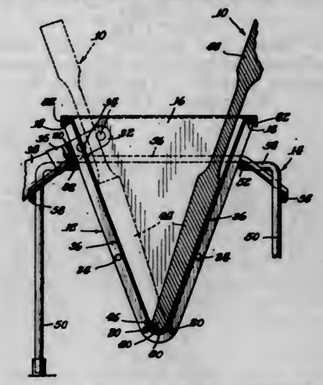
1. An adhesive composition which comprises the reaction product of proteinaceous glue of at least one of the class consisting of vegetable seed flour of considerable protein content, casein, soluble blood albumin, and a secondary alkyl sulphate of the class containing from 12 to 17 carbon atoms inclusive, in an amount resulting in an increased spreadability, working life, strength and water resistance of the adhesive, and a water soluble metallic sulphate of Groups 3, 4 and 5 of the Fresenius System in an amount to increase water resistance, strength, spreadability and working life of the resultant adhesive.

2,297,342

CULINARY MASHING DEVICE

Roy S. Woodard, Springfield, Tenn.

Application August 12, 1939, Serial No. 289,798
11 Claims. (Cl. 146—173)



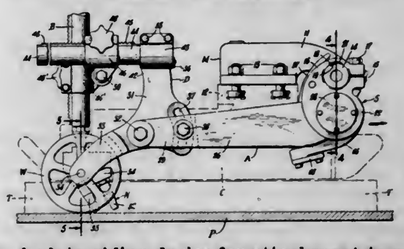
1. A culinary utensil of the class described, comprising a colander or hopper having a hopper frame formed of spaced triangular retaining walls arranged with their converging margins cooperating to define angularly disposed open side faces, foraminated wall members associated with said open side faces, said hopper frame having supporting portions interengaging said walls in supporting relationship, at least one of said foraminated wall members having an arcuate lower portion adapted to form an enclosing bottom wall for the hopper and a paddle fulcrumed in said arcuate lower portion for angular shiftable movement into flatwise cooperative relation with either foraminated wall member, and having a handle extending out of said hopper for manual operation.

2,297,343

PLATE-RIDING DEVICE

Lloyd W. Young, Scotch Plains, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

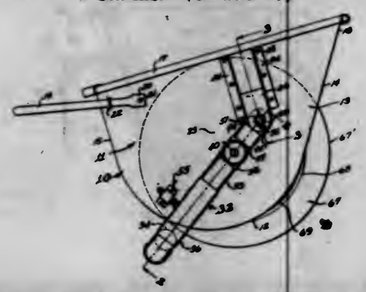
Application July 9, 1940, Serial No. 344,487
9 Claims. (Cl. 266—23)



1. A plate-riding device for attachment to propelling means and movable therewith in substantially a straight path over a generally horizontal work-plate, comprising a support adapted to be mounted on said propelling means; a single arm movable with said propelling means and pivoted at one end to said support for swinging movement in a vertical plane; a plate-engaging member at the opposite end of and directly beneath said arm; and tool-mounting means adjacent to said opposite end, said tool-mounting means comprising a blowpipe holder movable relatively to said arm, and means for sliding said holder generally in the

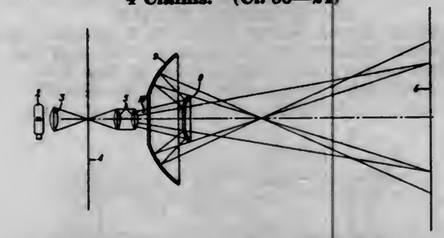
direction of the length of said arm to position said holder properly along said path at the beginning of an operation.

2,297,344
DUMP CART
David A. Beall, Los Angeles, Calif., assignor to Garlinghouse Brothers, a copartnership
Application March 18, 1942, Serial No. 435,136
9 Claims. (Cl. 298—5)



1. In a dump cart, a substantially U-shaped frame, a receptacle including spaced sides, means pivotally supporting said frame on said receptacle, a shaft on each side of the frame, a wheel on each shaft, said frame being rearwardly directed, a support on each side of the receptacle, and a resilient stop member on each support, each stop member including a portion disposed in the path of the frame.

2,297,345
SURROUND FOR PROJECTED IMAGES
Arthur Bowen, Coventry, England, assignor to General Electric Company, a corporation of New York
Application July 15, 1940, Serial No. 345,684
In Great Britain July 27, 1939
4 Claims. (Cl. 88—24)



1. In combination with a picture projector having a light source and an objective for projecting light in a divergent beam on a screen to form an image thereon, a plurality of cooperating reflectors positioned beyond said objective and arranged to redirect light of said beam limited to fringing rays thereof toward said screen to form a surround for said image.

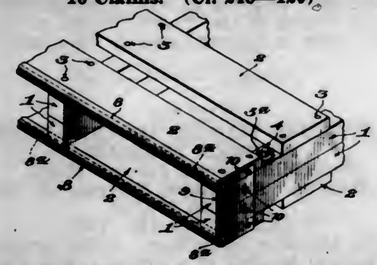
2,297,346
MEASURING INSTRUMENT
Philip W. Crist, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application August 3, 1940, Serial No. 350,946
3 Claims. (Cl. 175—183)

1. A method of determining dielectrical properties and properties upon which they depend in dielectrical material adhering to a conductive backing, which method comprises grounding the backing and making it a common electrode of a pair of capacitances in bridge circuit, impressing



a high frequency voltage on the circuit and determining the effect of the overall capacity of the bridge circuit upon the supply of high frequency voltage.

2,297,347
PALLET
James Harmon Cruickshank, Big Indian, N. Y., assignor, by direct and mesne assignments of thirty-five per cent to Florence Baxter Cruickshank, thirty-five per cent to James Harmon Cruickshank, five per cent to James Harmon Cruickshank, Jr., five per cent to John Emmett Cruickshank, five per cent to Robert William Cruickshank, and fifteen per cent to Alice Carol Cruickshank, all of Big Indian, N. Y.
Application February 2, 1942, Serial No. 429,307
16 Claims. (Cl. 248—120)



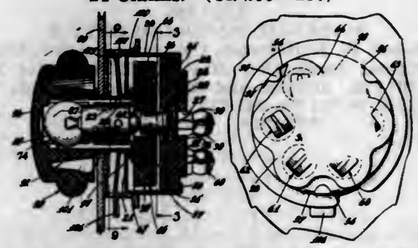
7. A two-faced pallet for use with lifting trucks having lifting fingers, comprising spaced parallel cleats, cross boards connected with said cleats and secured to the upper and lower faces thereof, the spaces between the boards and cleats at the ends of the pallet forming openings to receive the lifting fingers, and rotatable bumper means at the outer edges of the boards in way of the openings.

2,297,348
HEAT TREATING OF MILK PRODUCTS
Clark F. Derleth, Watertown, Wis., assignor to Kusel Dairy Equipment Co., Watertown, Wis., a corporation of Wisconsin
Application August 28, 1941, Serial No. 408,641
8 Claims. (Cl. 299—58)



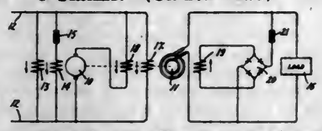
1. In a heat treating apparatus for liquids, a device for keeping the temperature of the heated liquid substantially constant for a predetermined time, said device comprising a horizontally running tube apertured at the top to permit the heated liquid to flow directly into it from a source above, a channel in said tube receiving the liquid directly as it falls into the tube, said channel having outlet means at the bottom thereof to enable the liquid falling therein to flow out into the tube, and said tube having its outlet near the top of the channel.

2,297,349
ELECTRICAL SWITCHING DEVICE
Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana
Substituted for abandoned application Serial No. 115,075, December 10, 1936. This application November 20, 1939, Serial No. 305,411
14 Claims. (Cl. 200—167)



1. An electric switch, comprising: a switchback, having a reciprocable center contact, and a plurality of off-center contacts, one of said off-center contacts being connectable to a source of electrical energy; jumper means extending between said center contact and another of said off-center contacts; bridge means, having an aperture through which said center contact extends whereby said bridge means is rotatable about the axis of said center contact to selectively engage said off-center contacts; indicating means, connected to said center contact; said jumper means being constructed and arranged to continue an electrical circuit from said other off-center contact to said indicating means, so as to energize said indicating means when said bridge means engages both said one and said other off-center contacts.

2,297,350
DYNAMOELECTRIC APPARATUS
Alec Fisher, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application September 30, 1941, Serial No. 412,987
9 Claims. (Cl. 171—123)

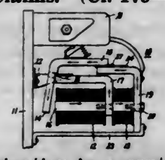


1. In combination, a direct-current motor, an alternating-current generator connected to be driven thereby, said motor having a field winding and said generator having two field windings, a variable-voltage direct-current circuit for energizing said motor, one of the field windings of said generator being serially connected in said circuit, a negative impedance current characteristic element serially connected with the field winding of said motor across said circuit, a rectifier for connecting the remaining field winding of said generator across the output terminals thereof, the polarity of the field windings of said generator being in opposition, and a negative impedance current characteristic impedance element serially connected with said rectifier.

2,297,351
CONJOINT POLYMERIZATION OF DICARBOXYLIC ACIDS AND OLEFINIC COMPOUNDS
Howard L. Gerhart, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application November 23, 1938, Serial No. 242,127
4 Claims. (Cl. 204—158)

1. In a method of preparing a clear solid synthetic resin body, which body is insoluble in alkali and common organic solvents for resins, the step comprising polymerizing a mixture of approximately equimolecular proportions of a material selected from the class consisting of maleic acid, maleic acid anhydride and fumaric acid, together with a polymerizable compound from a class consisting of vinylic and acrylic compounds by subjecting the mixture to irradiation with actinic light while the mixture is at a temperature within the range of about 20 to 40 degrees C. until said body is obtained.

2,297,352
CONTACTOR
Leon J. Goldberg, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 26, 1941, Serial No. 385,254
2 Claims. (Cl. 175—336)

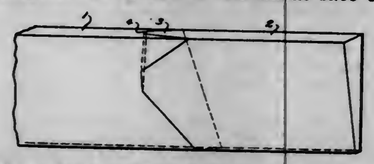


1. The combination in a contactor, of a magnetic core member, an armature member for said core mounted for movement into engagement with said core member, a spacing disc having a single layer portion made of non-magnetic material and a composite portion made of layers of, respectively, non-magnetic and magnetic material, means pivotally mounting said disc at its center on one of said members so that a portion of said disc on one side of its center extends between said armature and core members, said disc being of uniform thickness whereby said armature and core members are maintained a predetermined distance apart by said disc, and said disc being rotatable on said mounting means to a position to bring the non-magnetic portion of said disc between said armature and core members for a maximum effective air gap between them and rotatable from said position to bring gradually said composite portion between said members thereby gradually to decrease said effective air gap until said composite portion is between said core portions for the minimum effective air gap between them, a coil on said core for biasing when energized said armature member toward said core member so that said members are separated by said disc, and means for biasing said armature member to another position.

2,297,353
LUMBER
Oliver P. M. Goss and Worth C. Goss, Seattle, Wash.
Original application August 2, 1937, Serial No. 156,864. Divided and this application June 5, 1939, Serial No. 277,372
3 Claims. (Cl. 20—91)

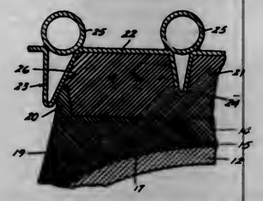
1. A board of beveled siding having flat inside

and outside surfaces, in planes inclined relative to each other to produce a board with a narrow top edge surface and a wider bottom edge; said board comprising a plurality of board pieces joined end to end; each joint comprising a tapered tongue of substantial length projecting endwise from the end of one piece and lying in a plane that is inclined inwardly relative to the inside face, from the base edge of the piece and merging into the plane of the inside face of the



board, and the other piece being formed in its end with a complemental groove containing the said tongue, and corresponding in dimensions and inclination to the tongue; said joint providing a joining line at the outside surface of the piece that is inclined in the longitudinal direction of the board from its top to bottom edge, and providing a tongue and groove joint at the base edge surface and a diagonal lap joint at the top edge surface.

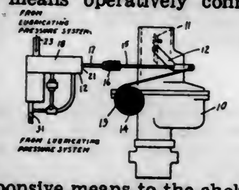
2,297,354
METHOD OF TREADING TIRE CASINGS
Paul E. Hawkinson, Minneapolis, Minn.
Application January 30, 1941, Serial No. 376,607
7 Claims. (Cl. 18—59)



4. The method of adding an annular band of road-engaging tread material to a pre-cured tire casing that has a cured but incomplete crown tread formed at the opposite marginal edges of its crown surface with circumferentially extended ribs projecting radially outwardly of the adjacent portions of the crown surface of the pre-cured tread material, which consists in applying to the crown surface of the pre-cured but incomplete tread material, intermediate said ribs, an annular band of tread material requiring curing, and in finally curing the newly applied tread material under heat and pressure while confining the same within an annular mold that engages only the newly applied tread material and the laterally outer sides of the ribs of the pre-cured tread material, and engages the said ribs of the pre-cured tread material with radially outwardly converging annular confining surfaces.

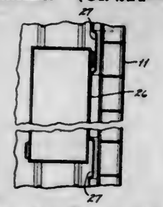
2,297,355
PRESSURE FLUID ENGINE CONTROL
George J. Hughes, Pendleton, Ind.
Application April 15, 1941, Serial No. 388,655
18 Claims. (Cl. 123—119)

1. In an engine having a thermostatic controlled choke valve, the combination of an engine operable pressure liquid system, means responsive to such pressure, means controlling the application of pressure to such pressure responsive means in accordance with temperature of the liquid, and means operatively connecting the



pressure responsive means to the choke valve for control of the latter by the former.

2,297,356
MATERIAL HANDLING DEVICE
Robert W. Kaltenbach, Cleveland Heights, Ohio
Original application May 13, 1938, Serial No. 207,776. Divided and this application July 15, 1940, Serial No. 345,523
6 Claims. (Cl. 214—52)



1. In a car dumper, the combination of a car receiving cradle having a smooth side wall against which the side of the car is adapted to be supported during the turning movement of the cradle, the wall having recesses therein for receiving the ladder handles on the side of the car and having a smooth uninterrupted surface above the recesses.

2,297,357
METHOD FOR BRAZING HIGH CARBON STEEL
Floyd C. Kelley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 19, 1940, Serial No. 361,945
7 Claims. (Cl. 148—4)

1. The method for copper brazing steel containing at least 0.30% carbon which comprises removing carbon from the surface of the steel, coating said surface with a solution of nickel nitrate, removing the water from said coating, applying a thin layer of copper to the steel and heating the assembled copper and steel in a hydrogen atmosphere capable of reducing Cr_2O_3 for a period of time and at a temperature sufficiently high to effect the brazing operation.

2,297,358
COLLAPSIBLE RACK
Ferdinand Kramer, Port Chester, N. Y.
Application August 12, 1941, Serial No. 406,475
4 Claims. (Cl. 211—85)

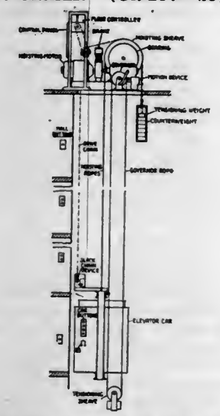
3. A rack of the character described comprising a frame work including three legs, one of said legs being provided with upper and lower substantially horizontal extensions, a member connecting the upper ends of the other two legs and a further member connecting the other two legs adjacent their lower ends, holding means for supporting articles positioned within said frame work, said extensions being each pivotally connected to said members and adapted to swing

about a vertical axis, each holding means being pivotally connected to the other two legs and



adapted to swing about a horizontal axis, and coupling means adapted to removably engage said holding means with said one leg.

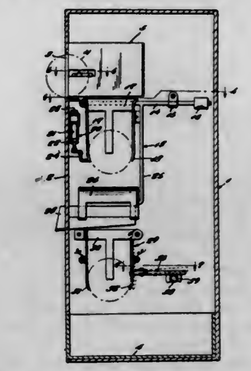
2,297,359
ELEVATOR CONTROL SYSTEM
Jacob Daniel Lewis, Yonkers, and William Henry Bruns, Lincolndale, N. Y., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application March 29, 1941, Serial No. 385,790
27 Claims. (Cl. 187—29)



1. In combination; an elevator car adapted to serve a plurality of landings; a motor for raising and lowering the car; means for starting the car by increasing the torque of said motor in steps until the car starts and for thereafter bringing the car up to running speed; means for stopping the car at the landings; means operable in response to the starting of the car; and means for determining the load on said motor by the number of steps of torque increase which have taken place at the time said start responsive means operates in starting the car and for controlling in accordance with the load on said motor as thus determined the operation of said stopping means in stopping the car at the next landing at which a stop is to be made.

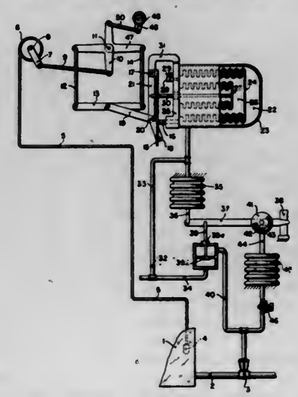
2,297,360
COIN CONTROLLED PUMP
Albert R. McKay, Portland, Oreg.
Application August 14, 1941, Serial No. 406,887
1 Claim. (Cl. 194—6)

In an electric motor driven liquid dispensing pump including a threaded shaft, a switch for controlling the motor comprising a pair of contact fingers for receiving and retaining a coin therebetween for closing an electric circuit to the motor, one of said contact fingers being pivoted for swinging movement, an arm pivotally mounted on the swinging contact finger and en-



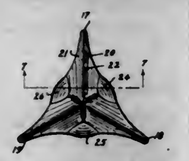
gageable with the threaded shaft for swinging movement thereby, a cam on the shaft for disengaging the arm from said shaft and for actuating the pivoted contact for releasing the coin, and coin controlled means for releasably securing the pivoted contact finger in operative position.

2,297,361
AIR OPERATED INSTRUMENT
Robert L. Mallory, Houston, Tex., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 9, 1939, Serial No. 303,553
16 Claims. (Cl. 137—153)



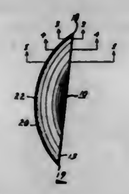
1. In an air control instrument, an expansible chamber, valve means to regulate the pressure in said chamber, a pivoted lever, an element pivoted to said lever to adjust said valve upon movement of said lever, means to periodically move said lever around its pivot in such a manner that the valve moves to increase and decrease the pressure in said chamber equal amounts, said means comprising mechanism to vary the time of movement of said lever, and means to adjust the relation of said element and lever in response to variations in a control condition.

2,297,362
CUTTING BIT
Harry M. Morrow, Canton, Ohio, assignor to The Bowdil Company
Application October 3, 1940, Serial No. 359,507
4 Claims. (Cl. 262—33)



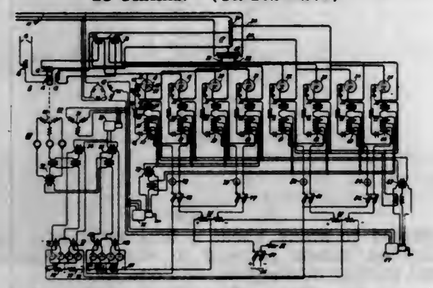
1. A multiple bit for cutter chains comprising a solid piece of metal having a central body portion and a plurality of radially disposed spaced-apart cutting points with cutting edges extending between said points, the contour of the said cutting edges between the said cutting points and the central body portion being concave, one side of said multiple bit being approximately flat and the other side being provided with radial ribs extending to said points, each rib having a spaced-apart pair of angularly disposed side clearance faces, one pair individual to each rib, each of said side clearance faces being concaved and producing a greater cutting clearance as the cutting points wear away.

2,297,363
CUTTING BIT
Harry M. Morrow, Canton, Ohio, assignor to The Bowdil Company
Application October 3, 1940, Serial No. 359,508
6 Claims. (Cl. 262—33)



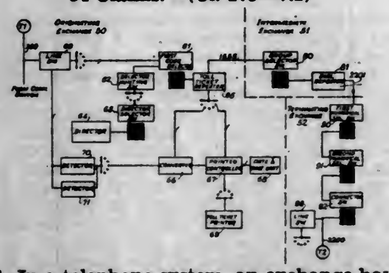
1. A longitudinal double-ended bit comprising a solid piece of metal having a longitudinal front cutting face and side clearance faces, said front cutting face having a relatively wide central portion and relatively narrow opposite edge cutting portions, the contour of the side edges of the front cutting face between the said relatively wide central portion and the said relatively narrow opposite edge cutting portions being concaved and forming cutting points at opposite ends thereof, the contour of the front edges of the side clearance faces meeting with the side edges of the front cutting face and being substantially straight in side elevation and the contour of the rear edges of the side clearance faces meeting in a relatively narrow juncture, said juncture in side elevation being curved in a general longitudinal direction between the opposite cutting points, each of said side clearance faces beginning at a central place near the front edge thereof and substantially mid-way of the cutting points converging toward the narrow juncture in a radial direction, each of said side clearance faces being also concaved in said radial direction and producing a greater cutting clearance as the cutting points wear away.

2,297,364
ELECTRIC VALVE CONVERTING SYSTEM AND EXCITATION APPARATUS THEREFOR
Samuel P. Nixdorff, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 26, 1939, Serial No. 301,421
13 Claims. (Cl. 172—274)



1. In combination, an alternating current circuit, a second alternating current circuit, electric translating apparatus connected between said circuits for transmitting power therebetween and comprising a plurality of electric valve means each having a control member for controlling the conductivity thereof, an excitation circuit for energizing said control members comprising means for impressing both a rectifier and an inverter component of excitation on said control members to excite said valve means for both rectifier and inverter operation with respect to said first mentioned circuit, means for normally maintaining said rectifier excitation ineffective, and means for periodically allowing said rectifier excitation to become effective at the periodicity of said second mentioned circuit to render said electric valve means conductive in a predetermined order to effect transfer of power between said first mentioned and said second alternating current circuit.

2,297,365
TELEPHONE SYSTEM
John Ellis Ostline, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 8, 1939, Serial No. 283,347
In Great Britain May 11, 1939
54 Claims. (Cl. 179—7.1)



36. In a telephone system, an exchange having a group of lines extending thereto, each of said lines being assigned a directory number, a plurality of detectors, each of said detectors being individually operative to detect the directory number of a calling line in said group of lines, means for initiating operation of said detectors, a register, and means for operating said register to identify the directory number of the detected line in said group of lines in the event said detectors detect the same directory number of the calling line in said group of lines.

2,297,366
SUCTION CLEANER
Frank L. Pierce, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 8, 1939, Serial No. 283,331
11 Claims. (Cl. 15—6)

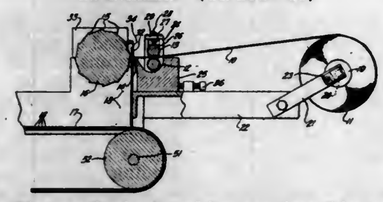


1. In a suction cleaner a rotary agitator, including a rigid beater and a flexible brush, means movably mounting said beater and brush for radial movement relative to the axis of rotation during agitator rotation, said beater being adapted to exert a greater centrifugal force than said brush at a predetermined speed of rotation, means interconnecting said beater and brush to move said beater inwardly upon outward movement of said brush and vice versa, and means opposing and overcoming the centrifugal force of said beater below said predetermined speed of rotation.

2,297,367
METHOD OF PRODUCING STEROID KETONES FROM STEROID ALCOHOLS
Ebenezer Emmet Reid, Baltimore, Md., assignor to The Chemical Foundation, Incorporated, as trustee, a corporation of Delaware
No Drawing. Application May 3, 1939, Serial No. 271,605
17 Claims. (Cl. 260—397.3)

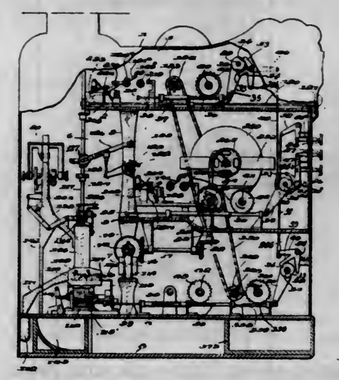
1. A process of producing valuable compounds from steroids which comprises subjecting a steroid to single stage catalytic dehydrogenation with a catalyst of Raney nickel under conditions regulated to establish a double bond.

2,297,368
STRIP OR RIBBON MAKING METHOD AND APPARATUS
Francis J. Rippl, Cleveland, and Elmer B. Isaac, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application August 22, 1940, Serial No. 353,650
13 Claims. (Cl. 164—68)



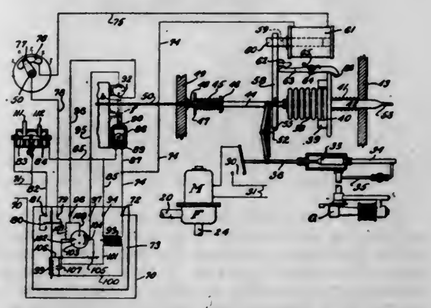
1. The method of making combustible metallic filling material for flash lamps which comprises selecting a sheet of the metal which is extremely thin but insufficiently thin to be effectively ignitible when comparatively wide strips are used as the filling material for flash lamps, said slicing from said sheet extremely narrow strips which are readily ignitible when used as the filling material for flash lamps.

2,297,369
AUTOMATIC COMPUTING AND REGISTERING MACHINE
Fernando San Germán, Habana, Cuba, assignor to Automatic Computing Cash Register Corporation, a corporation of Delaware
Application January 10, 1938, Serial No. 184,278
19 Claims. (Cl. 194—10)



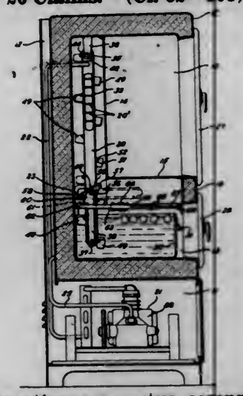
16. In a machine of the character described, the combination of electrically actuated change producing means, a pair of relatively rotatable control discs, key actuated means for rotating one of said discs in one direction, coin actuated means for rotating the other of said discs in the same direction, means connected with said discs for forming electrical connections therebetween in different predetermined positions thereof, and electrical means including said connections between the discs for actuating the change producing means upon movement of the discs to predetermined positions.

2,297,370
REFRIGERATION
Arnold D. Siedle, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 20, 1938, Serial No. 220,191
33 Claims. (Cl. 62—5)



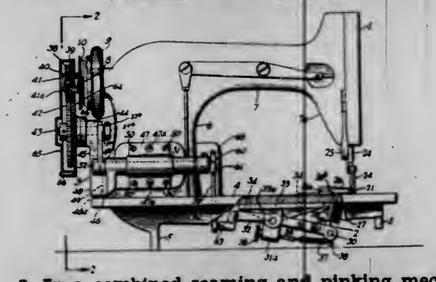
1. Refrigerating apparatus comprising a cooling unit, means for supplying a cooling medium to said cooling unit, means for regulating said cooling medium supply means, and means including light sensitive means arranged to operate said regulating means to non-supplying condition when a predetermined depth of frost collects on said cooling unit.

2,297,371
REFRIGERATION
Arnold D. Siedle, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 25, 1938, Serial No. 242,209
26 Claims. (Cl. 62—105)



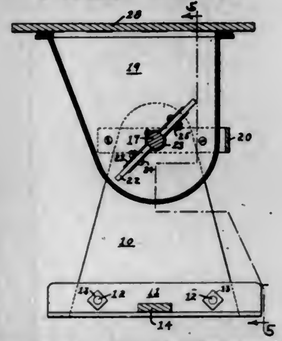
1. Refrigerating apparatus comprising an insulated cabinet, means for producing refrigeration including a cooling unit within said cabinet, means for conveying ice molds in a path of movement in heat transfer relationship with said cooling unit, means for removing ice blocks from said molds and replenishing the same with water to be frozen, a door for said cabinet, and means operated by said door for discontinuing the movement of said ice molds and the operation of said ice block removing and water replenishing means.

2,297,372
COMBINED SEAMING AND AUXILIARY MECHANISM
Geoffrey Stevenson, Brookline, Mass., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine
Application May 26, 1939, Serial No. 275,854
5 Claims. (Cl. 112—122)



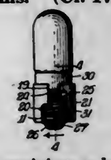
2. In a combined seaming and pinking mechanism, the combination comprising a sewing machine including a frame having a base, a main shaft journaled in the frame, stitch-forming mechanism including a needle driven by the main shaft, and means for feeding cloth past the stitch-forming mechanism; and pinking mechanism driven by the main shaft including a pair of co-operating, relatively movable yieldably engaging pinking knives having co-acting cutting edges mounted to the rear of the needle relative to the direction of feed and disposed to effect cutting in a plane substantially parallel to the plane of the base of the frame, operating mechanism mounted below the base of the frame, for effecting relative movement of the knives transverse to the cutting plane of the knives, and means operatively connecting said knife operating mechanism to be driven by the main shaft of the sewing machine.

2,297,373
STENCILING MACHINE
Harry B. Strang, West Unity, Ohio
Application March 30, 1942, Serial No. 436,820
3 Claims. (Cl. 51—9)



1. A stenciling machine having a pair of spaced vertically disposed standards, each having a journal bearing receiving aperture in aligned relationship, a journal bearing rotatable within each aperture, a hopper disposed between the standards whose side walls are supported upon the journal bearings, a rotatable shaft disposed within the journal bearings, and a vane carried by the shaft within the hopper and above the floor thereof adapted to throw a cutting medium within the hopper upwardly by centrifugal force against an article supported thereon upon rotation of the shaft.

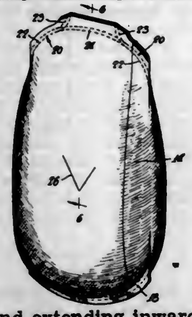
2,297,374
LIGHT BULB SOCKET
Wyatt B. Tingle, Chicago, Ill., assignor to Tingstol Corporation, Chicago, Ill., a corporation of Illinois
Application July 17, 1940, Serial No. 345,917
3 Claims. (Cl. 173—358)



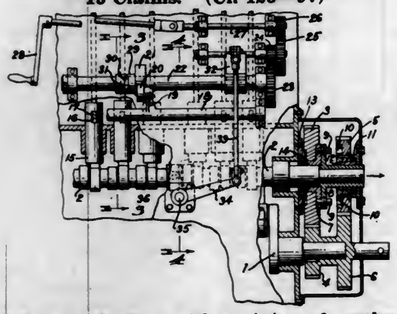
2. A socket, comprising a body portion formed from a single piece of metal shaped to provide an orificed base having an end extension and upstanding complementary wing members on each side of the base portion shaped into interrupted cylindrical form, opposite edges of said wing members being notched adjacent the base, and complementary edge portions of said wing members having inwardly extending prongs, and a separate, insulated resilient conductor secured to said end extension and having a contact portion positioned adjacent the orifice in said base.

2,297,375
CONTAINER
Clarence W. Vogt, Saugatuck-Westport, Conn.
Application December 3, 1936, Serial No. 113,969
7 Claims. (Cl. 229—55)

1. A package including a container of flexible material provided at one end with a transverse hermetic seal convexly curved with respect to the outside of said container and provided at the opposite end with a pair of hermetic side seals curved oppositely with respect to said first-mentioned seal, and extending inwardly from opposite edges of the container, but spaced apart to leave a filling opening, and a separate closing hermetic seal between said side seals and connecting said side seals.



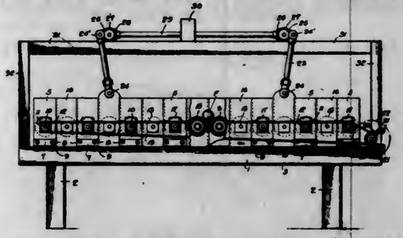
2,297,376
INTERNAL COMBUSTION ENGINE
Clinton L. Walker, Piedmont, Calif.
Application May 1, 1939, Serial No. 271,092
15 Claims. (Cl. 123—97)



1. In combination with an internal combustion engine of the four-stroke cycle type, means for changing the engine operation from a four-stroke cycle internal combustion engine to a two-stroke cycle compressor by simultaneously raising the tappets and shifting the cam shaft of the engine axially and thereafter lowering the tappets.

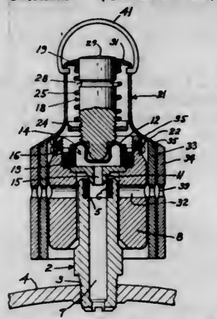
2,297,377
FRUIT TREATING MACHINE
Charles A. Willard, Orlando, Fla., assignor to Fruit Treating Corporation, Orlando, Fla.
Application June 30, 1939, Serial No. 282,277
4 Claims. (Cl. 146—202)

1. A fruit treating machine comprising a frame having side and end members, a bed of rotary brushes arranged in fruit supporting relationship, of which alternate brushes turn on fixed axes and intervening brushes on vertically movable axes, mounting means for the intervening brushes to permit bodily movement of the same vertically of their axes, comprising a vertically reciprocating frame having side and end members positioned within said first frame, means to rotatively support the brushes on said frames comprising vertical brush bearing support plates attached to the side members of the respective frames, the edges of adjacent plates having complementary cut-out portions arranged in overlapping relationship and forming closed joints between the adjacent co-planar plates, means for rotating all of the brushes in the same direction, comprising sprockets attached to each of the brushes, chains trained over the sprockets, and means to drive said chains, means for reciprocating the movable frame a sufficient extent to move the fruit from one brush to another transversely of their axes, whereby alternate intervening brushes are bodily vertically reciprocated from points below to points above the plane of



the remaining brushes, and means interposed between successive brushes, comprising a filler strip having a body portion formed with side and end flanges, said flanges lying in planes perpendicular to the body portion of the strip, the end flanges being attached to the brush supporting plates, the flat upper side flange of the strip being adapted to contact with the under surface of the fruit exposed between the brushes, whereby the axis of rotation of the fruit is changed simultaneously with its movement over the brushes.

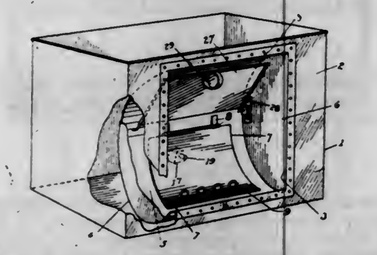
2,297,378
PRESSURE CONTROL AND INDICATOR GAUGE
Edward H. Wittenberg, Eau Claire, Wis., assignor to National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin
Application July 31, 1941, Serial No. 404,851
3 Claims. (Cl. 137—53)



3. A pressure control and indicator gauge comprising a tubular member adapted to be connected to a source of pressure, a valve seat at the upper end of said member, a weighted body having a bore therein adapted to receive the upper end portion of the tubular member, a valve member in said body normally engaging said valve seat, a flexible walled member having its marginal flange secured to the marginal edge of the valve member in leak-proof relation and cooperating with the valve member to provide a pressure chamber, a fluid passage in the valve member constantly establishing communication between said chamber and the tubular member, and a spring-pressed plunger mounted for sliding movement in the upper portion of said body and having its lower end engaging said flexible walled member, whereby when said flexible walled mem-

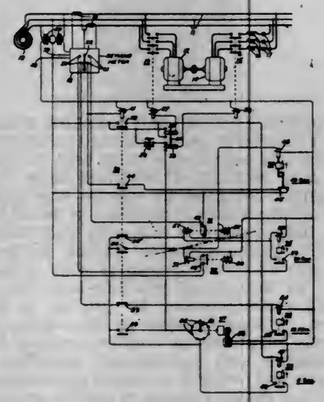
ber is distorted by increasing pressure in said chamber, said plunger is projected from the upper portion of the body to indicate pressure in the chamber.

2,297,379
ANIMAL OPERATED STOCK-WATERING TROUGH
John Ambrose Wise, Rockyford, Alberta, Canada
Application October 7, 1941, Serial No. 413,913
2 Claims. (Cl. 119—75)



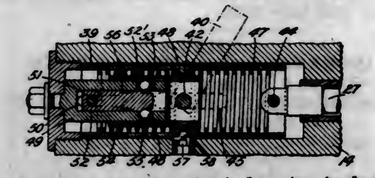
1. A stock watering device of the type described comprising in combination a drinking trough housing affixed interiorly to one apertured side of a stock watering tank, a drinking trough forming the bottom part of said housing and exposed for drinking purposes exteriorly to the said tank, counter-weighted valvular means operated by animal buffet action to control the water supply from said tank to said trough, a ribbed stem forming part of said valvular means effecting passageways for water therethrough, a curved valve-opening buffer flap hingedly supported to hang within said trough housing and resting upon the exposed end of the valve in said valvular means for operating same by animal buffet action, and a flat valve-opening buffer flap within said trough housing.

2,297,380
CARRIER CURRENT CONTROL SYSTEM
John L. Woodworth, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 13, 1941, Serial No. 406,588
15 Claims. (Cl. 171—97)



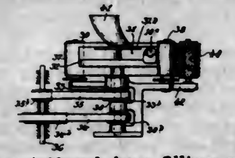
14. In a remote control system having a plurality of remotely controlled switches operated in response to pulses received from a common point, each of said switches having means associated therewith to store the energy of said pulses for an interval whose duration is a function of the amount of stored energy and to operate the respective switch to one position when said stored energy exceeds a certain predetermined value and to the other position when said energy exceeds a different value, said predetermined values being unavoidably different in the different means, the method of operating any desired number of such switches which comprises supplying to all of said means a succession of pulses spaced apart in time by less than said interval, the number of pulses being determined in accordance with the number of said switches to be operated.

2,297,381
ANCILLARY DRIVING MOTOR
Hamilton Neil Wylie, London, England
Application February 15, 1941, Serial No. 379,112
In Great Britain March 5, 1940
18 Claims. (Cl. 121—164)



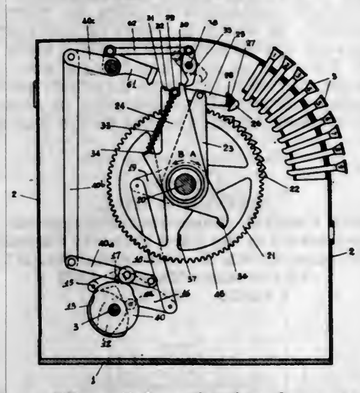
1. A fluid-pressure actuated motor including a piston oscillatable between two end positions, a valve reversible in its position, at each end of the piston's travel, to effect reversal of the sense of piston movement, a pair of spaced-apart abutments movable with the valve and an intermediate abutment movable with the piston, two springs disposed for alternative loading, according to the sense of piston travel, one between the intermediate abutment and each of the other abutments, valve-locking means including a lock member shiftable with the valve, and a fixedly positioned detent movable into engagement with said lock member in each of two positions of the lock member, corresponding to each of the two valve positions, and a retainer normally engageable with said detent to retain the latter in valve-locked position during loading of either spring, and shiftable by the piston, when the latter reaches an end position, to a releasing position, for release of the detent and snap shifting of the valve and its associated abutments and lock member to the reversed position, and re-engagement of the detent in the new position with the lock member.

2,297,382
BAG FILLING MACHINE
Johann Georg Ferdinand Augustin, Krefeld, Germany; vested in the Alien Property Custodian
Application September 27, 1939, Serial No. 296,757
In Germany April 16, 1938
5 Claims. (Cl. 226—48)



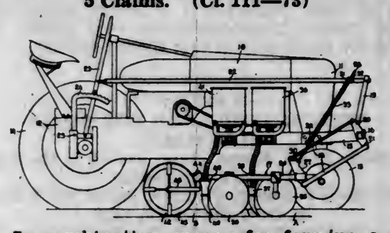
5. In a centrifugal bag filling machine, the combination of a horizontal plate disc member rotatable about a vertical axis, an endless belt vertically disposed and extending less than about half around the perimeter of said member in contact therewith and movable with said member and having a discharge end forming with the periphery of said member a bight, said belt having more than about half its width extending above and less than about half of its width extending below its contact portion with said member, the upper part of the belt being adapted to receive and hold upon it the material projected by centrifugal force from the said member, means for holding said belt at its inner run only by said member, means supplying material to said member about a quadrant distant from said discharge end of the belt, a bag filling nozzle at said discharge end having its receiving end beyond the periphery of the member, with a part of said end extending into the said bight of the member and discharge end of the belt and having said end extending along the upper width of the belt and adjacent to the periphery of said member, and means for rotating said member for moving the material supplied to the member centrifugally against the belt, and also from said member into said opening of said nozzle, the moving belt being moved by said member and said belt also discharging the material on the belt into the opening of said nozzle by centrifugal force from the belt.

2,297,383
DIFFERENTIAL MECHANISM FOR CASH REGISTERS
Biagio Beria, Turin, Italy; vested in the Alien Property Custodian
Original application March 28, 1936, Serial No. 71,522. Divided and this application November 20, 1939, Serial No. 305,381
In Italy March 29, 1935
2 Claims. (Cl. 235—8)



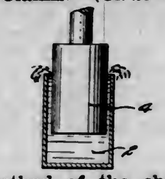
1. In a differential mechanism for a machine of the class described, the combination of amount-keys, comprising, for each order, a setting wheel, a rockable arm, a hook-shaped beam articulated on said arm, a key-controlled pawl on said beam engaged by a depressed key during swinging movement of the arm in one direction to bring the hooked beam into engagement with the setting wheel, a loose arm, a projection on said hooked beam, a stepped notch on the loose arm receiving said projection, the step of which being capable to hold the hooked beam into engagement with the setting wheel, a spring interposed between the loose arm and the projection for moving the step under the projection when raised by the pawl bringing the beam into engagement with the setting wheel, and means for moving the step out from under the projection, whereby the spring disengages the hooked beam from the setting wheel.

2,297,384
TRACTOR PLANTER
Bert R. Benjamin, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 30, 1940, Serial No. 363,534
5 Claims. (Cl. 111—73)



1. In combination, means for forming a seed furrow, seed dispensing means for dropping seed in the seed furrow, means for forming a fertilizer furrow offset from the seed furrow and arranged to simultaneously throw dirt therefrom over the seed in the seed furrow, and fertilizer dispensing means for depositing fertilizer in the fertilizer furrow, and means for pressing the dirt over the seed furrow and simultaneously directing limited portions of the dirt over the fertilizer in the fertilizer furrow.

2,297,385
METHOD OF PRODUCING COMPOUND CAST BEARINGS
Felix Biedermann, Berlin-Weissensee, Germany; vested in the Alien Property Custodian
Application February 3, 1940, Serial No. 317,207
In Germany February 3, 1939
3 Claims. (Cl. 29—149.5)

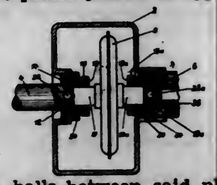


1. In a method of the character described, placing a cup-shaped metal blank in an upright position, pouring fusible bearing metal in molten condition into the blank through the open top thereof, subsequentially ejecting some of said bearing metal while in molten condition from the blank while leaving a sufficient quantity thereof within the blank to line the latter, and then after the lining is bonded to the blank and cool, severing the bottom of the blank and the portion of the bearing blank which lines the bottom of the blank and thus producing a bearing ring.

2,297,386
MOUNTING FOR CONTROL DEVICES
Friedrich Bielitz, Dessau, and August Lichte, Dessau-Alten, Germany; vested in the Alien Property Custodian
Application October 31, 1939, Serial No. 302,254
In Germany November 2, 1938
4 Claims. (Cl. 137—156)

1. A regulating device comprising a fixed shaft,

a movable shaft coaxial and linearly aligned with said fixed shaft, a bellows intermediate the shafts, socket plates joined to opposite sides of



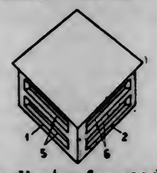
said bellows, balls between said plates and the ends of their respectively adjacent shafts, and spring means interconnecting said plates and shafts for resiliently urging them together.

2,297,387

OPTICAL INDICATOR FOR ROAD SIGNALING

Emanuele Biseo, Rome, Italy; vested in the Alien Property Custodian

Application February 17, 1940, Serial No. 319,384
In Italy March 30, 1939
3 Claims. (Cl. 88—78)



1. An optical indicator for road signaling having a plurality of optical signals at different vertical levels, each signal being visible from at least two directions mutually disposed at an angle with each other the combination of a casing having a polygonal form with a side facing each direction from which the signals are to be observed, separate windows disposed at the different levels in the sides of said casing individually associated with and exposing each signal to view from without the casing, fixed means at each level for reflecting the light entering said windows into a different direction for each level, and a substantial horizontal partition or diaphragm disposed within the casing between the signals and windows of one level and those of another level so as to subdivide the interior of said casing into superposed separate spaces having a window upon each side.

2,297,388

DISINFECTANT AND PROCESS OF ITS MANUFACTURE

Helmut Böhler, Radebeul, near Dresden, Germany; vested in the Alien Property Custodian

No Drawing. Application April 2, 1940, Serial No. 327,475. In Germany April 4, 1939
8 Claims. (Cl. 167—30)

1. Disinfectant, aqueous emulsions of emulsifying agents and hydroxybiphenyls stabilized by aromatic ethers.

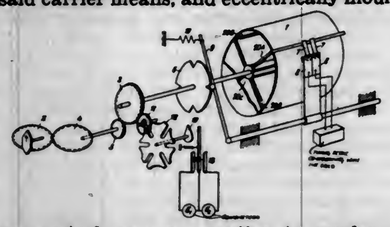
2,297,389

DRIVE FOR ELECTRIC TUNING MEANS

Kurt Brandholt, Berlin, Germany; vested in the Alien Property Custodian

Application July 29, 1939, Serial No. 287,193
In Germany August 3, 1938
5 Claims. (Cl. 250—11)

1. A radio apparatus employing coils for tuning, comprising carrier means carrying a plurality of coils, adjusting means for moving said carrier means into different positions to render a desired one of said coils effective, said adjusting means comprising a drive mechanism for rotating said carrier means, and eccentrically mounted



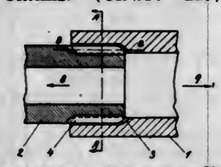
rotary control means operative to render said rotary movement slow upon initiation of rotation, more rapid during an intermediate portion of its rotation and slow again upon its approach to said adjusted position.

2,297,390

SPLINED CONNECTION

Peter Burger, Munich, Germany; vested in the Alien Property Custodian

Application January 16, 1940, Serial No. 314,119
In Germany January 18, 1939
3 Claims. (Cl. 287—119)



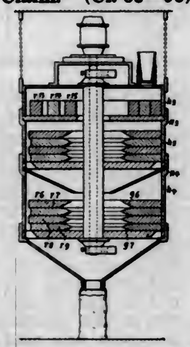
1. In a releasable splined coupling in which an inner shaft member and an outer encircling member are connected by interengaging spline keys having complemental sides in interfitting engagement, in which the keys on the shaft are peripherally spaced and vary in width along their length, the sides of each key having lead angles of unequal degree in the same direction, each said key being substantially trapezoidal in cross-section in a plane at right angles to the axis of the shaft.

2,297,391

GRINDING MILL

Friedrich Conradi, Magdeburg-Hopfgarten, Germany; vested in the Alien Property Custodian

Application March 26, 1940, Serial No. 325,991
In Germany March 4, 1939
1 Claim. (Cl. 83—93)



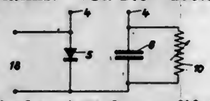
Mill for continuously grinding material in bulk comprising a drum shaped, vertically disposed grinding chamber, having a cylindrical impeller face and a bottom formed with discharge holes therethrough, means for feeding the material into said chamber, a plurality of grinding rings superposed upon each other, resting on the bottom of said chamber and being of smaller diameter than that of the impeller face, and of which alternate rings differ in their diameter from their mates, and means for bodily gyrating said chamber in closed cycles of movement transversely to its axis, so as to revolve said grinding rings relatively to the grinding chamber and in a direction of rotation opposed to that of the gyrating motion of the latter.

2,297,392

ARRANGEMENT FOR THE BACKGROUND NOISELESS PRODUCTION OF SOUND FILMS

Walter Dällenbach, Berlin, Germany; vested in the Alien Property Custodian

Application December 13, 1939, Serial No. 309,111
In Germany December 19, 1938
4 Claims. (Cl. 179—100.3)



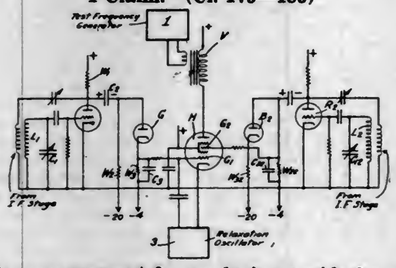
1. An electrical system for modifying an alternating current to effect a modified alternating current by shifting its zero line so that its minimal values vary but little from zero comprising a rectifier, a condenser in series connection with said rectifier, a resistance coupled in parallel with said condenser, means connecting said rectifier to one terminal and said condenser to another terminal of the source of alternating current to be modified, means for taking the modified current from terminals connected to opposite sides, respectively, of said rectifier, and means for automatically varying said resistance in response to variations in said source of current.

2,297,393

BAND TRANSMISSION TESTING CIRCUIT

Peter Deserno, Berlin-Tempelhof, Germany; vested in the Alien Property Custodian

Application October 24, 1939, Serial No. 301,003
In Germany June 8, 1939
1 Claim. (Cl. 175—183)



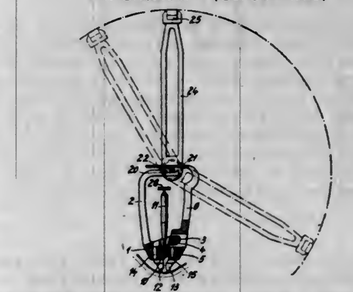
An arrangement for producing a wide frequency band for testing purposes wherein a frequency is constantly varied for predetermined impulse periods, comprising a pair of marginal circuits, a source of intermediate frequency feeding said circuits, one of said circuits being tuned to just below the lower limit of the testing range and the other being tuned to just above the upper limit of the testing range, a relaxation oscillator, a vacuum tube, a plurality of grids therefor, a control grid of said tube connected to the output of said relaxation oscillator and to the first mentioned marginal circuit, a second grid of said tube connected to the second mentioned marginal circuit, a test frequency generator including an oscillator coil having a core of magnetic material, a polarizing winding for said core, an anode circuit for said vacuum tube including said polarizing winding, the arrangement being such that voltages from said marginal circuits are used for regulating the operating point and slope of said vacuum tube thereby regulating the current for polarizing the core of the oscillator coil to keep constant the width and position of the frequency band, a Braun tube having one set of deflector plates connected to said relaxation oscillator, and circuit means including circuits under test for connecting the opposite set of deflector plates of said Braun tube to said test frequency generator.

2,297,394

INSTRUMENT FOR MEASURING ELONGATION

Otto Dietrich, Friedrichshafen, Bodensee, Germany; vested in the Alien Property Custodian

Application January 12, 1940, Serial No. 313,619
In Germany January 14, 1939
4 Claims. (Cl. 33—148)



1. An instrument for measuring elongation of the surface of structural parts comprising two members having contact means for engaging a surface at one end, said contact means being closely spaced together, coacting fulcrum means on each member near the contact means pivoting the members together, spaced opposed parallel portions carried by the other ends of the members, a roller engaged between the parallel portions for rotation by relative movement thereof, an index pointer carried by the roller, a scale cooperating with the index pointer, and a scale arm supporting said scale rotatably mounted on one of said members substantially coaxially with said roller.

2,297,395

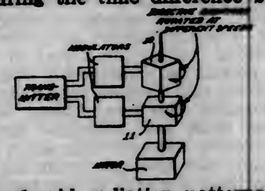
RADIO DIRECTION FINDING SYSTEM

Dietrich Erben, Berlin, Germany; vested in the Alien Property Custodian

Application February 14, 1940, Serial No. 318,808
In Germany May 14, 1936
6 Claims. (Cl. 250—11)

1. A system for effecting wireless position determination comprising a radio range transmitter, means at said transmitter for emitting energy in at least two individual lobe-shaped high frequency radiation patterns, means for causing rotation of said radiation patterns substantially in the horizontal plane at different speeds, for causing certain of said patterns to coincide with each other when oriented toward a predeter-

mined geographical bearing, and a radio receiver having means responsive to receipt of said energy for measuring the time difference between the



reception of said radiation patterns for ascertaining the instantaneous bearing of the radio receiver relative to the radio range transmitter.

2,297,396
HIGH PRESSURE HYDRAULIC PISTON PACKING
Giovanni Farina, Turin, Italy; vested in the Alien Property Custodian
Application November 13, 1939, Serial No. 304,088
In Italy November 15, 1938
2 Claims. (Cl. 309—33)



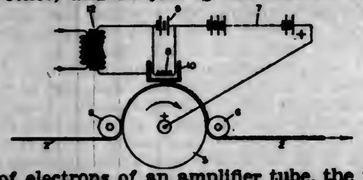
1. In combination with a cylinder and a piston slidable in said cylinder, a ring-shaped packing of U-section comprising an outer lining for said packing constituted by fabric impregnated with graphite, and an inner ring-shaped rubber member, said outer fabric lining extending to the lower edge of said rubber member, the outer edge of said rubber member being adapted to slide on the inner surface of said cylinder, and a washer pad for pressing said packing against said piston.

2,297,397
PROCESS OF INSOLUBILIZING PROTEIN FIBERS DURING THEIR MANUFACTURE
Antonio Ferretti, Milan, Italy; vested in the Alien Property Custodian
No Drawing. Application March 3, 1940, Serial No. 321,918. In Italy March 30, 1939
6 Claims. (Cl. 18—54)

1. In a process for the commercial production of artificial textile fibers from a viscous maturated alkaline protein solution, and following the step of multiple spinning thereof with acid coagulation of the filaments; the step of then insolubilizing the freshly coagulated acid-containing group of spun filaments, namely, by subjecting them promptly to treatment in an aqueous insolubilizing bath which contains a soluble chrome compound, which has an effective insolubilizing action upon the soft protein filaments, taken from the group consisting of chrome sulfate, chloride and alum; and of sodium chloride acting to restrain swelling of filaments during insolubilizing.

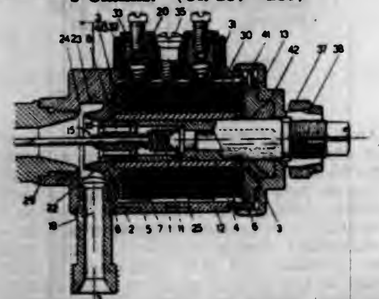
2,297,398
METHOD OF RECEIVING AND REPRODUCING FAST OSCILLATIONS
Gustav Fries, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian
Application January 12, 1940, Serial No. 313,571
In Germany December 30, 1938
1 Claim. (Cl. 178—6.6)

A method of receiving and producing fast oscillations, which consists in subjecting an insulating carrier to a cathode for electrostatically charging the carrier with an electric load, the molecules of which hold the load insulated from each other, and subjecting said carrier to the



flow of electrons of an amplifier tube, the input of which is transferred and fixed for multiplying the electric load in its reproduction.

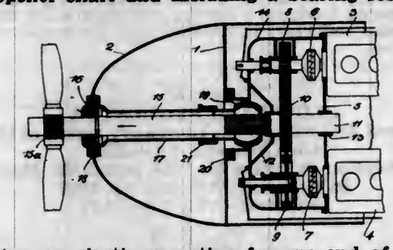
2,297,399
INTERNAL COMBUSTION ENGINE FUEL INJECTOR
Ottavio Fuscaldo, Milan, Italy; vested in the Alien Property Custodian
Application November 21, 1939, Serial No. 305,419
In Italy January 20, 1939
5 Claims. (Cl. 137—139)



1. An internal combustion engine injection apparatus of the kind recited having an elongated liquid fuel pressure chamber and an immersed valve and stem reciprocable longitudinally within the chamber with a short stroke of retraction against resilient return, in combination with electromagnetic means operable to retract and then release the valve stem, the same comprising a solenoid coil with a two-part iron core therein, one core part constituting an annular head fast on said stem and movable in the liquid therewith and of open construction for free liquid flow whereby it may shift without substantial obstruction from the liquid, the stem and head by their short stroke being adapted to leave a short magnetic gap between the two core parts in one position and to close such gap in the other position, and other iron parts constituting with said core parts a magnetic circuit disposed around said coil, said other iron parts comprising an outer housing wall, and inward extensions therefrom to the movable and the other core part respectively; said outer wall having a longitudinal extension beyond the movable core part formed with a liquid inlet, whereby a substantially stagnant space is left between said inlet and the core parts.

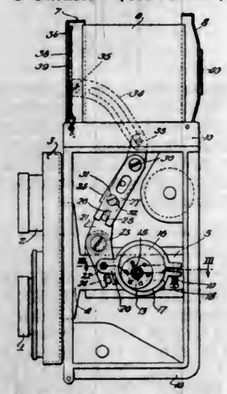
2,297,400
DRIVING MECHANISM FOR AIR PROPELLERS
Albert Friedrich, Stuttgart-Bad-Cannstatt, Germany; vested in the Alien Property Custodian
Application November 4, 1939, Serial No. 302,869
In Germany October 24, 1938
6 Claims. (Cl. 64—1)

4. In an assembly comprising a fuselage, a driving shaft mounted in said fuselage, and a propeller shaft, the combination of an elongated tubular member surrounding and enclosing the propeller shaft and including a bearing for the



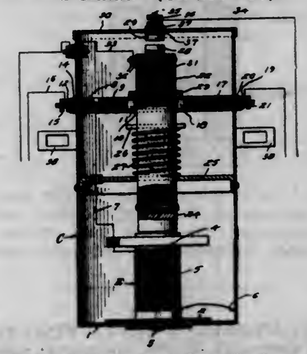
latter, an elastic mounting for one end of said member in the fuselage, a universally articulated mounting for the other end of said member, and an articulated universal joint between said propeller shaft and said driving shaft.

2,297,401
PHOTOGRAPHIC CAMERA
Ernst Gabler and Ernst Rall, Stuttgart, Germany; vested in the Alien Property Custodian
Application September 27, 1939, Serial No. 296,796
In Germany February 17, 1939
5 Claims. (Cl. 95—44)



1. In a photographic camera, the combination of a camera casing, of a mirror reflex finder provided with a collapsible hood and an eye level view finder, a camera objective, a support for said camera objective slidably supported on the side walls of said camera casing so as to be movable to and from the front wall of the same, manually operable means on said camera casing for slidably adjusting said support to thereby focus said camera objective, said hood including a front wall and a rear wall, both of which are hingedly secured to the camera casing, said front and rear walls of the hood being each provided with means forming together said eye level view finder adapted to be used when said hood is in its operative erected position, and means operatively connecting said manually operable means with the front wall of said hood for swinging said front wall in its hinged mounting and thereby adjust said eye level view finder simultaneously with the camera objective, said manually operable means including an eccentric rotatably mounted about a fixed axis on a side wall of the camera casing and a lever actuated by said eccentric, said lever being rotatably supported between its ends and one of its ends being operatively connected with said slidable camera objective support, while the other end of said lever is operatively connected with a second lever controlling the adjustment of the front wall of said hood.

2,297,402
ELECTRIC SWITCH
Everett Hardgrove Garber, Pampa, Tex.
Application April 1, 1941, Serial No. 386,337
1 Claim. (Cl. 200—87)

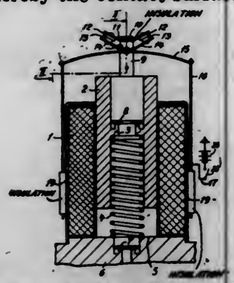


A switch of the class described comprising a housing having normally closed ends, an electromagnet carried by one end of the housing, a disk intersecting the opposite end portion of the housing, said disk being of a material non-conductive of electricity, said disk being provided with a central opening defined by a rabbet, conductor members coacting with the side wall of the housing and extending radially through the disk for holding the disk in applied position within the housing, contact members engaged with the inner end portions of the conductor members, said contact members being within the rabbet, a plunger extending through the central opening of the disk, said plunger being non-conductive of electricity, a head carried by the end portion of the plunger adjacent to the electro-magnet, said head being of a material to be attracted by the magnet when energized, means for urging the plunger in a direction away from the magnet, and a contact member carried by and surrounding the plunger for electrical engagement with the contact members within the rabbet for closing a circuit through the conductor members when the plunger is moved toward the electro-magnet.

2,297,403
CONTACT SYSTEM
Karl Glässing and Friedrich Allendorff, Stuttgart, Germany; vested in the Alien Property Custodian
Application December 8, 1939, Serial No. 308,264
In Germany December 10, 1938
2 Claims. (Cl. 200—111)

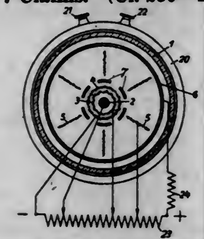
1. A contact system for electromagnetic fuel supply pumps, comprising a snap spring, electromagnetic means for operating said snap spring, V-shaped resilient contact carrier means supported at the center of said spring, and two pairs of contact members for opening and closing the circuit of said electromagnetic means, one contact member of each pair being carried by said V-shaped carrier means on said snap spring and the other contact member of each pair being carried by said electromagnetic means, all of said contact members lying in the fuel stream passing through the pump, the contact members carried by said V-shaped carrier means

being resiliently supported by and spaced apart longitudinally of said spring and arranged on the same side thereof, one on one side, and the other on the other side, of the center of the spring, whereby the contact surfaces of the snap



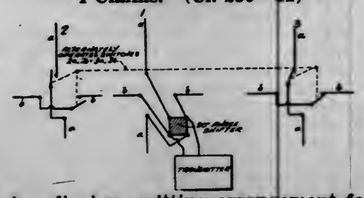
spring contact members slide on the associated contact surfaces of the other contact members upon engagement therewith, said spring being free to yield independently of said operating means.

2,297,404
GRID CONTROLLED AMPLIFYING TUBE
Heinrich Gobrecht, Berlin, Germany; vested in the Alien Property Custodian
Application October 30, 1939, Serial No. 302,019
In Germany November 4, 1938
7 Claims. (Cl. 250—174)



1. A grid-controlled amplifying tube comprising a thermionic cathode, a cylindrical grid surrounding said cathode, a plurality of planar secondarily emissive nets mounted radially outside of said grid, an anode, and means for screening said nets against volatilized particles emitted by said cathode.

2,297,405
RADIO TRANSMITTER FOR OBTAINING COURSE LINES
Joachim Goldmann, Berlin, Germany; vested in the Alien Property Custodian
Application March 30, 1940, Serial No. 326,920
In Germany January 19, 1939
4 Claims. (Cl. 250—11)



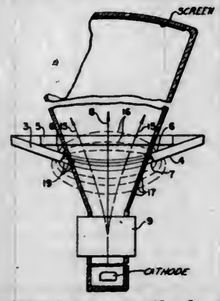
1. A radio transmitting arrangement for producing a beacon course line comprising a horizontal dipole arrangement disposed generally transverse to said beacon course line, means for continuously supplying energy to said dipole, reflecting antennae disposed horizontally and one on each side of said dipole substantially in alignment with the longitudinal axis thereof, said reflecting antennae being each substantially equally spaced from said dipole, and means for keying said reflectors to render them alternately effective.

2,297,406
GLOW PATH REGULATOR
Alfred Gräntzel, Jena, Germany; vested in the Alien Property Custodian
Application February 24, 1940, Serial No. 320,645
In Germany February 28, 1939
18 Claims. (Cl. 250—27.5)



11. In an electronic tube an envelope forming an annular chamber and including outer and inner walls, the inner wall enclosing a central open space, and lead tubes communicating with said chamber and positioned within said space whereby the lead tubes are protected by the envelope against damage.

2,297,407
MAGNETIC DEFLECTING SYSTEMS FOR CATHODE-RAY TUBES
Johannes Günther, Berlin-Zehlendorf, Germany; vested in the Alien Property Custodian
Application March 1, 1940, Serial No. 321,629
In Germany March 10, 1939
4 Claims. (Cl. 250—156)



4. In combination, a cathode-ray tube comprising a cathode and a screen, and a magnetic deflecting system comprising a magnetic core intermediate the cathode and screen, said core including a yoke and pole pieces extending from the yoke at an angle to its plane toward the axis of said tube and enclosing between their free ends a cross section of the electron beam emitted from said cathode, said pole pieces being disposed with

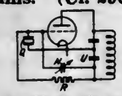
respect to said yoke in such a manner that their free ends lie closer to said cathode than the ends connected to said yoke.

2,297,408
FLUID METER
Carl Hardebeck, Aachen, Germany; vested in the Alien Property Custodian
Application November 10, 1939, Serial No. 303,895
In Germany November 4, 1938
2 Claims. (Cl. 73—202)



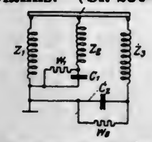
1. A fluid meter, comprising in combination, a main conduit, a throttle in the main conduit, a by-pass conduit communicating at its ends with the main conduit on opposite sides of said throttle, a flow meter in said by-pass conduit, a capillary tube in the by-pass conduit, the pressure drop of the flow meter being low compared to the differential pressure across the capillary tube, the flow meter consisting of an orifice plate and a ringscale correlated with said orifice plate.

2,297,409
QUARTZ OSCILLATOR
Erich Heinecke, Berlin, Germany; vested in the Alien Property Custodian
Application December 27, 1939, Serial No. 311,067
In Germany January 5, 1939
3 Claims. (Cl. 250—36)



1. A quartz-controlled thermionic tube oscillation generator comprising a thermionic valve having at least a cathode, a grid, and an anode, a vibratory frequency stabilizing quartz crystal connected substantially directly across said grid and said cathode, an oscillatory circuit formed between the said anode and the said cathode, means connected between the said grid and anode for substantially completely neutralizing the grid-to-anode capacitance of the said valve, and a feedback path for exciting said crystal extending between the said oscillatory circuit and said quartz crystal, consisting of an ohmic resistor having its two ends connected, respectively, to said oscillatory circuit and said grid.

2,297,410
HIGH FREQUENCY CIRCUIT
Erich Heinecke, Berlin, Germany; vested in the Alien Property Custodian
Application December 27, 1939, Serial No. 311,068
In Germany January 14, 1939
2 Claims. (Cl. 250—27)

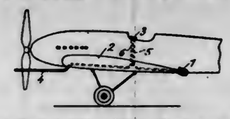


1. A circuit arrangement for high frequency transmitters for short and ultra-short waves including an electron discharge device comprising within an evacuated container a plurality of electrodes and a lead connected to one of said electrodes having an inherent self-induction which tends to set up spurious oscillations, characterized by the provision of at least one additional lead connected directly to said electrode the space capacity between said first-mentioned lead and said additional lead being so dimensioned as to produce in combination with the inherent self-induction of the leads a resonant circuit tuned to the frequency of said spurious oscillations, whereby the inherent self-induction effect is translated into a resistive effect of high ohmic resistance for said spurious oscillations.

2,297,411
PROCESS OF OBTAINING THE MEAT OF CRUSTACEANS
Wolfgang Henning, Lubeck, Germany; vested in the Alien Property Custodian
No Drawing. Application October 23, 1939, Serial No. 300,839. In Germany November 12, 1938
3 Claims. (Cl. 99—111)

1. Process of obtaining the meat of crustaceans, particularly shrimps, comprising boiling the crustaceans in salt water, depriving the boiled crustaceans of part of their water content until 30 to 40% of the original water content is present to cause shrinking of the meat body and the detachment thereof from the chitinous integument or shell, removing the waste matter from the meat body by trituration and screening, and swelling the separated meat body in water to regain its original shape, appearance and quality.

2,297,412
APPARATUS FOR INDICATING THE APPROACH TO THE STALLED CONDITION OF AIRPLANES
Fritz Hoppe, Kopenick-Wendenschloss, near Berlin, Germany; vested in the Alien Property Custodian
Application November 27, 1939, Serial No. 306,391
In Germany December 20, 1938
5 Claims. (Cl. 73—152)



1. A device for indicating the approach to the stalled condition of airplanes, comprising in combination: a Pitot measuring tube having a dynamic opening facing the direction of travel of the airplane and mounted downstream of the leading edge of the wing and above the upper surface of the wing at such a distance that it will not be reached by the boundary layer during normal flying conditions but is influenced by this boundary layer when approaching the stalled condition, a second measuring tube arranged within the free flow of air and means for indicating the difference in the pressures in said tubes.

2,297,413
TUBING
Willy Jahn, Hanover, and Willi Lüder, Hanover-Linden, Germany; vested in the Alien Property Custodian
Application February 28, 1940, Serial No. 321,196
In Germany June 23, 1937
1 Claim. (Cl. 138—56)

An article of manufacture, a tubing having an inner lining of layers of rubberized fabric, said lining having layer-fastening means comprising layer-piercing shafts distributed at intervals at several places throughout the length of said lining to hold said lining layers together, and having a

vulcanized rubber covering over both said elements and the inner surface of said lining substantially insensitive against corrosive substances



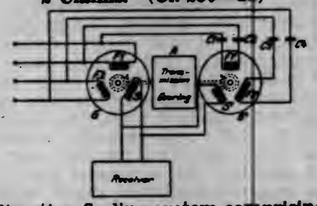
made to contact therewith, in passing thereover, the rubber of said fabric and the rubber surrounding said shafts being also vulcanized.

2,297,414

DIRECTION FINDING SYSTEM

Franz Janovsky, Berlin, Germany; vested in the Alien Property Custodian

Application January 6, 1940, Serial No. 312,660
In Germany January 18, 1939
2 Claims. (Cl. 250—11)



1. A direction finding system comprising a plurality of antenna elements, a main goniometer, and means for compensating periodically recurring octantal errors in the operation of said system caused by effective rotation of an antenna having elements spaced an appreciable distance with respect to the wavelength of operation, comprising an auxiliary goniometer, means for electrically coupling said goniometers together in parallel, and transmission gearing having a ratio of 1:5 to rotate said auxiliary goniometer five revolutions for each revolution of said main goniometer and in the same direction.

2,297,415

WHIPSTOCK

Jack Johnson, Long Beach, Calif., assignor to John W. Heaston

Original application June 16, 1939, Serial No. 279,562. Divided and this application August 5, 1940, Serial No. 351,464
5 Claims. (Cl. 255—1.6)



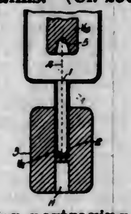
1. A whipstock comprising a head portion and a tail portion, a tubular connection therebetween forming a pressure chamber, anchoring pins slidably located in the head, a piston mounted in the pressure chamber, a wedge-shaped projection on the piston adapted to operate the anchoring pins and said head having an opening whereby pressure in the well casing will normally hold the piston in the upper end of the pressure chamber during the downward travel of the whipstock.

2,297,416

EXAMINATION OF SUBSTANCES OR BODIES BY MEANS OF NEUTRONS AND X-RAYS

Hartmut Israel Kallmann, formerly known as Hartmut Kallmann, Berlin - Charlottenburg, and Ernst Kuhn, Berlin, Germany; vested in the Alien Property Custodian

Application November 15, 1939, Serial No. 304,596
In Germany November 18, 1938
15 Claims. (Cl. 250—84)



1. Apparatus for portraying objects by means of neutrons and X-rays, comprising a vacuum-tube housing means for generating neutron radiation suitable for depicting objects and means for generating a beam of X-rays suitable for depicting objects, said neutron radiation generating means and said X-ray generating means being arranged to deliver said neutron radiation and said X-ray beam along a path substantially coincident with each other and impinging upon the object to be investigated.

2,297,417

LAMINATED PRODUCT

Adolf Kämpfer, Berlin, Germany; vested in the Alien Property Custodian

No Drawing. Application October 21, 1939, Serial No. 300,657. In Germany April 12, 1935
2 Claims. (Cl. 49—81)

1. A laminated product including two sheets at least one of which is glass, and an interlayer sheet consisting of a polymer selected from the group consisting of polymerized vinyl acetate and polymerized acrylic acid ester, said polymer having a degree of polymerization between 600 and 680, an adhesive disposed between said first mentioned sheets and said interlayer sheet, said adhesive consisting of an organic solvent having a boiling point of not less than 100° C. and substantially free from solvents having boiling points below 100° C., and a polymerized unsaturated ester selected from the group consisting of vinyl acetate and acrylic acid ester, which latter polymerized body has a degree of polymerization between 200 and 380, the solvent representing 35% to 75% of the adhesive.

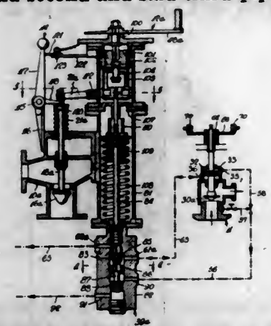
2,297,418

VALVE MECHANISM FOR STEAM PLANTS

Richard Köller, Bremen, Germany; vested in the Alien Property Custodian

Application September 7, 1939, Serial No. 293,695
In Germany December 5, 1938
2 Claims. (Cl. 137—153)

2. A steam power plant mechanism comprising a main stop valve on the outlet side of a power plant steam boiler, the outlet side of said valve being connected to steam mains leading to the prime movers of the power plant, a control piston for said stop valve having boiler pressure acting on one side thereof, a change-over valve comprising a reciprocable valve member, a first pipe connection from a source of boiler pressure to said change-over valve, a second pipe connection between said change-over valve and the other side of said piston, and a third pipe connection to said change-over valve from a source of steam pressure substantially lower than the boiler pressure, and means for establishing communication between said second and said third pipe connec-



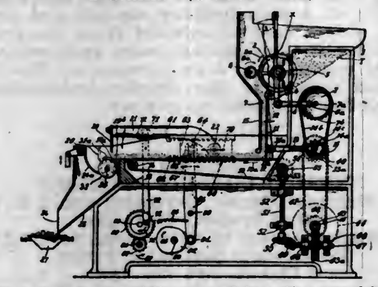
tions through said change-over valve, and for shutting off communication between said first pipe connection and the other pipe connections, when said change-over valve is operated in one position to close said main stop valve, and for shutting off communication between said second and third pipe connections, and establishing communication between said first pipe connection and said second pipe connection, when said change-over valve is operated into another position to open said stop valve.

2,297,419

TOBACCO GUIDING MACHINE

Kurt Adolf Körber, Dresden-Oberloschwitz, Germany; vested in the Alien Property Custodian

Original application October 11, 1938; Serial No. 234,477. Divided and this application February 21, 1940, Serial No. 319,990. In Germany October 18, 1937
1 Claim. (Cl. 146—133)



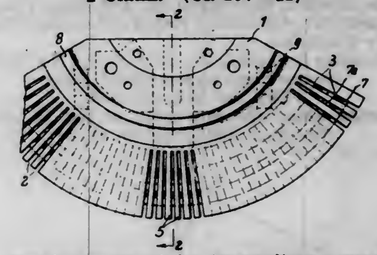
In a tobacco guiding machine, the combination of a movable tobacco conveying means, a stationary table at its discharge end to receive the moving tobacco from the conveying means and having a horizontal surface and an edge portion vertically disposed in respect thereto at the end of the table, a roller supported adjacent said edge portion, the upper surface of which is below the surface of the table, a knife disposed between the upper surface of the roller and the edge portion of the table to enter therebetween and move along the vertical edge portion to cut off any tobacco extending beyond the edge portion, means for vertically descending said knife to cut off said tobacco, means for moving the edge of the knife in an arcuate path concentric to said upper surface of the roller to move the cutoff tobacco along the same, means for vertically raising the knife, and means for moving said knife in an arcuate path concentric with the first named arcuate path but in opposite direction to return the knife to its initial position.

2,297,420

BEARING SEGMENT FOR TYPEWRITERS

Johannes Krüger, Erfurt, Germany; vested in the Alien Property Custodian

Application December 11, 1939, Serial No. 308,704
In Germany May 18, 1937
1 Claim. (Cl. 197—41)



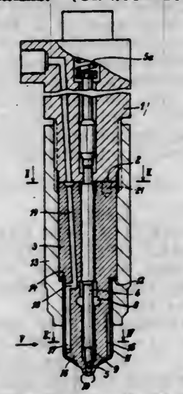
A bearing segment for typewriters comprising a segmental molded body portion of artificial resin, a plurality of molded tye bar supporting webs formed integrally with said segmental body and projecting radially from the circumferential edge thereof, each of said webs being formed with an aperture adjacent the extremity thereof for receiving the pivot rod of the type bars, and an arcuate reinforcing rib formed integrally with said webs and extending across the back thereof in radially spaced relation with respect to the circumferential edge of said segmental body portion, portions of said arcuate reinforcing rib being extended forwardly of said apertures between and integrally united with said webs to brace the same.

2,297,421

COOLED INJECTION NOZZLE

Karl Lorenz, Stuttgart, Germany; vested in the Alien Property Custodian

Application April 5, 1940, Serial No. 328,131
In Germany April 28, 1939
3 Claims. (Cl. 299—107.6)



1. A cooled injection nozzle for internal com-

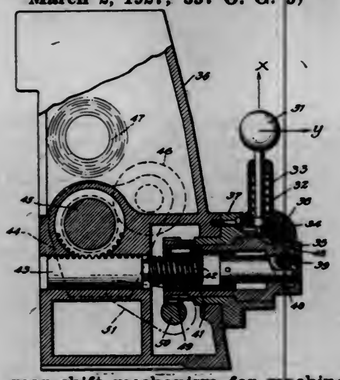
bustion engines, comprising a body member having a lower recessed portion, a cooling jacket surrounding said lower recessed portion of the body member to form a hollow space for the reception of a coolant, a portion of said body member being substantially oval in cross-section with three arcuate surfaces forming sides, one of said sides comprising a narrow blunt portion, said body member contacting and forming a seal with the inner face of said jacket over the entire height of the hollow space only at said narrow blunt portion thereof, and a groove in said narrow blunt portion of the body member for supplying coolant.

2,297,422

SHIFTING DEVICE FOR STEPPED GEAR DRIVES

Walter Möbius, Hans Hautsch, and Hans Ulbrich, Magdeburg, Germany; vested in the Alien Property Custodian

Application December 26, 1939, Serial No. 311,048
In Germany December 24, 1938
3 Claims. (Cl. 74—348)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. A gear shift mechanism for machine tools comprising a driving shaft, a stepped gear connected to a driven shaft, a transmitting gear between said shaft and stepped gear, means mounting said transmitting gear in continual contact with said driving shaft and with both gyratory and longitudinal movement thereof; a shifting rod, a shifting lever, means connecting said lever to said rod for longitudinally displacing said rod upon movement of said lever in a first direction and for rotating said rod upon movement of said lever in a second direction, and gear means joining said rod to said mounting means for initially gyrating said gear mounting means upon movement of said lever in said first direction and then further gyrating and simultaneously moving said mounting means longitudinally of said driving shaft upon movement of said lever in said second direction.

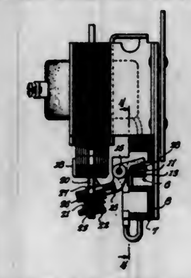
2,297,423

AUXILIARY SWITCH FOR ELECTROMAGNETICALLY OPERATED DEVICES

Lynn H. Matthias, Fox Point, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin

Application February 10, 1940, Serial No. 318,292
3 Claims. (Cl. 200—87)

1. An electric switch for an electromagnet operable by alternating current, said electromagnet comprising a magnetic circuit including a fieldpiece, an energizing winding for said fieldpiece, and an armature biased from its closed position with the fieldpiece, said magnetic circuit with armature and fieldpiece closed capable of residual magnetism derived from energization of said winding by alternating current to provide a holding force sufficient to maintain said armature closed against said bias; said electric switch comprising a movable member having a portion extending into the path of movement of said armature, a spring for urging said member into contact with said armature so as to cause said



member to move to follow the movement of said armature, a pair of normally closed separable contacts electrically connected to said coil for interrupting current flowing therethrough, said contacts being positioned so as to be engaged and opened by said movable member during inward travel of said armature only after a point is reached near to the closed position of said armature, and adjustable means for adjustably fixing the point in the inward travel of the armature at which said contacts are engaged and separated.

2,297,424

PROCESS FOR THE MANUFACTURE OF DIOLEFINS FROM ALCOHOLS AND ALDEHYDES

Alessandro Maximoff and Oberto Canonici, Milan, Italy; vested in the Alien Property Custodian

No Drawing. Application January 26, 1940, Serial No. 315,860. In Italy February 15, 1939
6 Claims. (Cl. 260—681)

1. A method for manufacturing diolefin hydrocarbons comprising passing the vapors of a mixture of a monohydroxy alcohol and aldehydes over a catalyst selected from the group consisting of aluminum sulphates and basic aluminum sulphates at a temperature of 280–450° C., and separating the diolefin hydrocarbons formed from the reaction mixture.

2,297,425

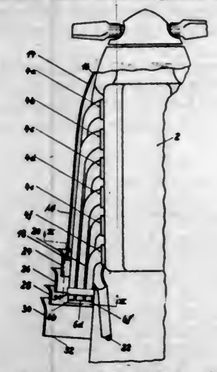
EXHAUST CONDUIT ASSEMBLY

Kurt Meissner, Dessau, Germany; vested in the Alien Property Custodian

Application August 24, 1939, Serial No. 291,793
In Germany September 2, 1938
2 Claims. (Cl. 60—35.6)

1. An exhaust system for an internal combustion engine of the cylinder-in-line type comprising an individual exhaust conduit extending from each cylinder and directed rearwardly of said engine and formed as a reaction nozzle, all of the conduits being arranged as a compact bundle with air passages between said conduits throughout substantially the entire length thereof, said conduits having their respective outlet ends terminating in substantially the same plane which extends transversely of the longitudinal axis of said engine, a streamline cowling covering said

conduits and being extended beyond said ends to form a chamber into which gases are discharged



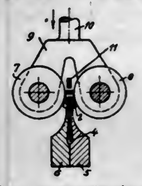
from said conduits, and said cowling having an opening at the forward end thereof for the admission of cooling air to said conduits.

2,297,426

DEVICE FOR THE MANUFACTURE OF ZIPPERS

Karl Friedrich Nägele, Berlin-Lichterfelde, Germany; vested in the Alien Property Custodian

Application October 12, 1939, Serial No. 299,165
In Germany November 1, 1938
7 Claims. (Cl. 153—1)



1. A device for manufacturing Zippers designed for operation following the loose application of Zippers to the bead of the supporting band, said device including a pair of pressing rolls mounted for free rotation in a plane at right angles to the length of the band, with said rolls having a fixed spacing corresponding to the thickness of the head of the Zipper, and means for moving the rolls as a unit transverse to the length of the band and over the head and feet of the Zippers on opposite sides of the band, the rolls being movable transversely the band in successively opposite directions relative to the Zipper, and means for guiding the band and loosely applied Zippers to the rolls, said means including a formation to maintain the Zippers in properly applied positions longitudinally of the band during operation of the rolls whereby in the movement of the rolls the Zippers are aligned longitudinally of the band and the feet of the Zippers are pressed in gripping cooperation with the band below the bead.

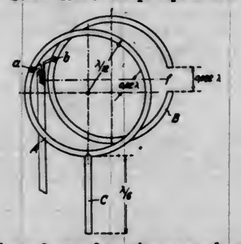
2,297,427

ULTRA-SHORT WAVE DIRECTIVE ANTENNA

Peter Neidhardt, Berlin, Germany; vested in the Alien Property Custodian

Application March 16, 1940, Serial No. 324,300
In Germany July 12, 1939
5 Claims. (Cl. 250—11)

1. An ultra-short wave directive antenna system, a first conductor shaped as a closed loop forming a magnetic dipole, and a second conductor shaped as a loop of substantially the same curvature as said first loop open at one point



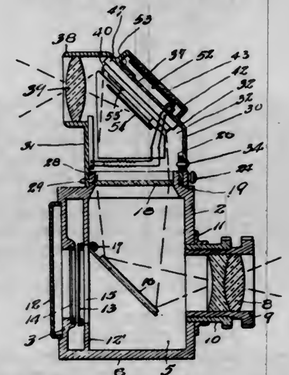
and spaced therefrom forming an electric dipole, the open point of said second conductor being arranged substantially along the direction of desired maximum radiant action.

2,297,428

REFLEX CAMERA

Karl Nüchterlein, Dresden, Germany; vested in the Alien Property Custodian

Application January 23, 1940, Serial No. 315,262
In Germany July 18, 1939
1 Claim. (Cl. 88—23)



The combination in a reflex camera including its ground glass screen, of a quick detachable hood mounted on the camera above the screen and means for fastening the hood on the camera, a finder mirror mounted in the hood in operative relation to the screen, a finder lens operatively aligned with the mirror, a photoelectric cell mounted on the mirror within the hood, and an electric meter mounted in the hood and visible through the finder lens electrically connected with the cell for indicating the intensity of the light passing through the optical axis of the camera.

2,297,429

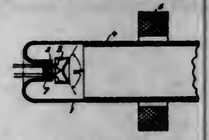
CATHODE RAY TUBE

Hans Werner Paehr, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian

Application January 26, 1940, Serial No. 315,635
In Germany February 9, 1939
5 Claims. (Cl. 250—162)

1. A cathode-ray device adapted to provide an angle of ray deflection of the order of 45° or higher comprising a cathode, a conical control electrode apertured at its apex and positioned with said apex adjacent said cathode, and an anode comprising a hollow cylinder adjacent said conical electrode and unobstructed

therefrom, the diameter of said cylindrical anode being greater than the outer diameter of



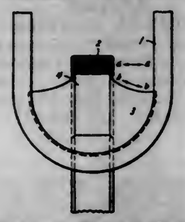
said conical electrode whereby to provide a cathode ray bundle of small divergency without simultaneous loss of control sensitivity.

2,297,430

ANTENNA INSULATOR

Wilhelm Peters, Berlin, Germany; vested in the Alien Property Custodian

Application September 30, 1939, Serial No. 297,295
In Germany September 30, 1938
6 Claims. (Cl. 174—208)



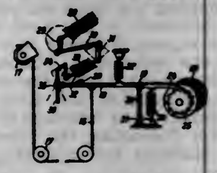
1. An electrical cable insulator comprising a solid approximately semi-cylindrical insulator having two flattened paths the lengths of which are less than a semi-circle, said paths being located at intersecting planes and extending in opposite directions on the outer surface thereof, a pair of metallic members contacting the surfaces of said paths so that the electrical field lines pass either through the air only or through the insulator.

2,297,431

FARE INDICATOR

Rudolf Poll, Gaggenau, Baden, Germany, vested in the Alien Property Custodian

Application April 2, 1940, Serial No. 327,492
In Germany July 2, 1937
2 Claims. (Cl. 235—30)



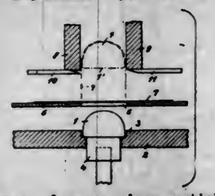
1. In combination, a vehicle having a body, an axle, and springs supporting the body on the axle and adapted, as long as a load is in the body, to yield to lower the body substantially proportionally to the weight of the load; the force due to said load on said axle being an axle load; an indicator; a drive means driven by the road wheels for driving the indicator; and ratio-changing means connected between the axle and body for changing the driving ratio of the driving means substantially proportionally to said axle load; whereby the indicator indicates substantially a function of the product of the distance of travel and the axle load, and indicates a greater amount for the same distance if the load is greater.

2,297,432

SYSTEM OF WRAPPING ARTICLES

Wilhelm Rasch and Hermann Ballerstein, Wernigerode, Germany; vested in the Alien Property Custodian

Application December 11, 1939, Serial No. 308,744
In Germany December 30, 1938
4 Claims. (Cl. 93—2)



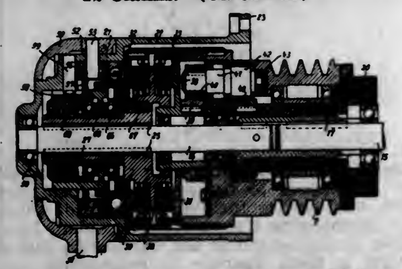
1. A process of wrapping articles having at least one substantially plane surface, comprising the steps of wrapping a sheet around the article in the form of a hose, folding over the ends of the hose at surfaces of the article transverse to said plane surface and forcing the wrapped article through a mould channel the inner surfaces of which are formed by brushes effective along a closed line.

2,297,433

REDUCTION GEAR ATTACHMENT

Johannes Roloff, Altenburg, Thuringia, and Hans Hautsch, Meuselwitz, Thuringia, Germany; vested in the Alien Property Custodian

Application March 12, 1940, Serial No. 323,600
In Germany February 22, 1939
12 Claims. (Cl. 82—29)



1. In a machine tool, such as a high-speed lathe or a turret lathe, having a supporting structure on the body thereof, a reduction gear attachment comprising an extension shaft carried on the supporting structure, a driving element for said machine tool, a connecting member fixed on said extension shaft, a double-acting friction clutch and a reduction gear, said clutch adapted to connect the driving element either directly or through said reduction gear to said connecting member.

2,297,434

DETOXICATION OF CASTOR POMACE

Willi Rudolph, Karlsruhe, Germany; vested in the Alien Property Custodian

No Drawing. Application January 22, 1940, Serial No. 315,039. In Germany February 10, 1939
2 Claims. (Cl. 99—2)

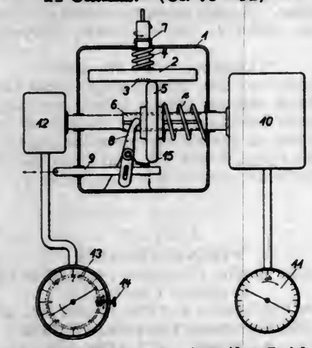
1. A process of rendering non-toxic the albumen residue or pomace obtained at the extraction of oil from castor beans, which comprises the steps of (*a*) grinding the residue or pomace to be treated to a fine dust-like powder, (*b*) boiling said powder in an excess of fresh water for a short time to render the ricin harmless in said powdered pomace, (*c*) and extracting the ricinine by instantaneously withdrawing the liquid in hot condition from the thus obtained mixture by suction through a porcelain filter, (*d*) discarding the withdrawn liquid, (*e*) repeating the steps (*b*), (*c*) and (*d*) at least a second time, and (*f*) thoroughly washing out the thus treated powder with hot water; and then (*g*) drying the thus obtained powder.

2,297,435

FUEL CONSUMPTION INDICATING DEVICE

Otto Schwager, Munich, Germany; vested in the Alien Property Custodian

Application December 23, 1939, Serial No. 310,802
In Germany January 5, 1939
11 Claims. (Cl. 73—51)



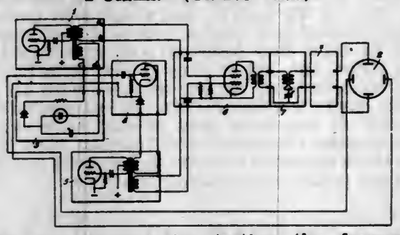
1. In a device for measuring the fluid supplied to a prime mover from a source having an adjustable delivery, the combination of an infinitely variable transmission, means directly and solely responsive to the speed of said prime mover for driving said transmission, means variable in accordance with said adjustable delivery for varying the driving ratio of said transmission, and means driven by said transmission for visibly indicating the amount of fluid supplied.

2,297,436

ARRANGEMENT FOR TESTING THE FREQUENCY CHARACTERISTIC OF ELECTRIC TRANSMISSION DEVICES

Werner Scholz, Berlin, Germany; vested in the Alien Property Custodian

Application October 24, 1939, Serial No. 301,002
In Germany November 19, 1937
1 Claim. (Cl. 175—183)



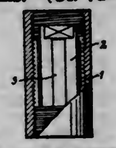
An arrangement for testing the frequency characteristics of an electrical transmission system, comprising a testing frequency generator including a tuned circuit having a core of ferrous material and a magnetizing winding therefor, a relaxation oscillator having an output circuit including said magnetizing winding whereby the self-inductance of said tuned circuit may be varied repeatedly under control of impulses from said oscillator, a second testing generator, means for controlling said second generator from said relaxation oscillator but in opposite direction to the first mentioned testing frequency generator, means for heterodyning the output of the first mentioned testing frequency generator with the ouput of the second testing generator to produce a lower resultant output frequency range, transmission apparatus to be tested, means to apply said resultant output frequency to the input of said transmission apparatus, a Braun tube, circuits connecting one pair of electron deflecting plates of said tube to the output circuits of said transmission apparatus, and other circuits connecting a second pair of electron deflecting plates of said Braun tube to the output circuit of said relaxation oscillator.

2,297,437

SCREW DEVICE

Arnold Stapelfeldt, Berlin, Germany; vested in the Alien Property Custodian

Application December 15, 1939, Serial No. 309,343
In Germany December 27, 1938
3 Claims. (Cl. 74—459)



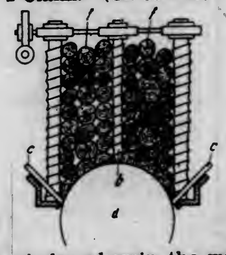
1. An adjustable core arrangement comprising a tubular member having internal threads, a cylindrical high frequency iron core having a plurality of longitudinal grooves provided in its peripheral surface, and a strap of flexible material fixedly fastened in each of said grooves, said strap projecting beyond the peripheral surface of said core and being in engagement with said threads whereby said core may be screwingly adjusted axially along said tubular member.

2,297,438

WOOD PULP GRINDER

Robert Stehr, Gorlitz, Germany; vested in the Alien Property Custodian

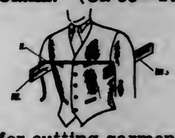
Application November 10, 1939, Serial No. 303,903
In Germany December 1, 1938
1 Claim. (Cl. 83—75)



In a wood grinder wherein the wood staple is gripped on the long or end sides and continually fed to a grinding stone, said wood grinder comprising a grinding stone and an especially wide wood shaft above the grinding stone, continuously operating feeding means at opposite sides of the wood shaft, dividing means for subdividing said wood shaft into at least two tightly juxtaposed wood feeding compartments arranged in the wide shaft, and said dividing means comprising rotatable shafts provided with feed means on

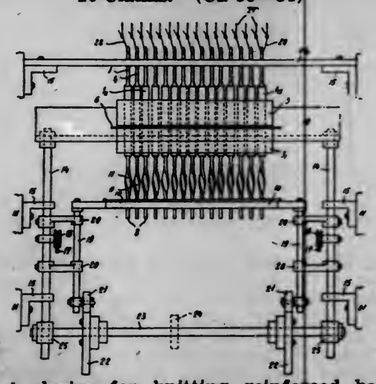
their circumferences, the axis of each of said shafts orientated substantially radially with respect to the grinding stone so as to feed material on their opposite sides toward the grinding stone.

2,297,439
METHOD FOR CUTTING GARMENTS
Adorján Ernő Szabó, Budapest, Hungary; vested in the Alien Property Custodian
Application March 16, 1940, Serial No. 324,237
In Hungary March 18, 1939
1 Claim. (Cl. 33—17)



In a method for cutting garments, particularly with patterned fabrics, and utilizing a predetermined base line about the waist, the combined steps, which consist in taking the longitudinal measurements of the front and side portions from the body of a subject for making the garment, between said base line and the point of intersection of the shoulder and collar line as a definite neck top point, laying out on the cutting pattern a middle line passing through the neck top point by determining the proportion in width of the front and back portion of the garment while disposing two spaced laths at both sides of the trunk so as to protrude both in front and at the rear, and then measuring the convergence or divergence of said laths, and finally laying out these measurements upon a cutting pattern for designing the main parts of the latter, completing the cutting pattern by taking and applying the other usual measurements and then executing the cutting by means of the finished cutting pattern.

2,297,440
BATTING REINFORCED WITH KNITTING STITCHES AND A DEVICE FOR PREPARING SAME FROM RAW MATERIAL AS IT COMES FROM THE CARDING MACHINE
Ioan Szücs, Arad, Rumania; vested in the Alien Property Custodian
Application August 9, 1939, Serial No. 289,152
In Rumania August 11, 1938
10 Claims. (Cl. 66—84)

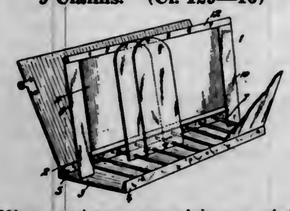


1. A device for knitting reinforced batting as used for linings, etc. comprising a set of knitting needles with single catching hooks lodged in a supporting-guiding part which forces these needles to ascend and descend all at the same time, a toothed comb, said needles during their ascending and descending movement passing their lower ends through the teeth of said comb for an individual rotation through 180°, the knitting needles being also provided at their lower ends with shafts having a section twisted through 180° and which pass through the teeth of the comb during the ascending and descending movement of the comb so that the hooks of the said needles rotate through 180°.

2,297,441
METHOD OF PRESERVING FISH AND SIMILAR FOOD PRODUCTS OF ANIMAL ORIGIN
Rudolf Thilenius, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian
No Drawing. Application November 17, 1939, Serial No. 305,014. In Germany November 24, 1938
5 Claims. (Cl. 99—195)

1. A process for preserving fresh unfrozen foodstuffs of animal origin which comprises subjecting said foodstuffs to the action of an aqueous solution of hydrogen peroxide having a pH within the range 3.0 to 5.0, and then packing said foodstuffs in ice containing hydrogen peroxide.

2,297,442
FILING SYSTEM
Alfred Volk, Berlin, Germany; vested in the Alien Property Custodian
Application March 7, 1940, Serial No. 322,713
In Germany December 9, 1938
9 Claims. (Cl. 129—16)

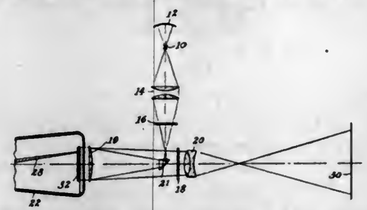


2. A filing system comprising a rigid bottom portion and short rigid side walls, a plurality of longitudinal rails mounted in spaced relation in said side walls, and separator strips mounted on said rails and consisting of flexible material, the foot portion of each of said separator strips being provided with at least two recesses having a spacing corresponding to the spacing of said rails, said recesses each having a wide head portion adapted to receive a rail and a narrow slot opening towards the edge of said strips, said recesses being adapted to be pushed over said longitudinal rails to allow easy insertion and withdrawal of said strips, the end portion of said strip having said recesses being further provided with an incision having a substantially vertical portion extending to the outer edge of said strip and a substantially horizontal head portion, said incision being arranged between said recesses to make said end portion substantially bendable.

2,297,443
TELEVISION IMAGE PROJECTION SYSTEM
Manfred von Ardenne, Berlin-Lichterfelde, Germany; vested in the Alien Property Custodian
Application March 18, 1940, Serial No. 324,539
In Germany November 29, 1938
2 Claims. (Cl. 178—7.5)

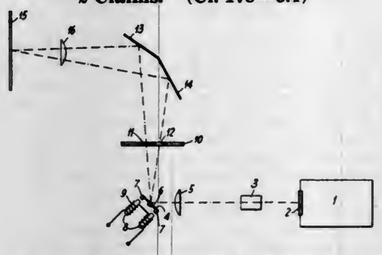
1. An optical system for a television receiver

including a cathode ray tube, a target electrode in said tube, said target electrode including a crystal plate having a reflecting surface on one side thereof, said reflecting surface being in the form of a plurality of prismatic elements, means for scanning the said one side of the target electrode with a modulated beam of electrons to produce a charge image on the crystal plate, a source of polarized light, means for directing polarized light upon the unscanned side of the target elec-



trode, said crystal plate operating to rotate the plane of polarization of the light in accordance with the intensity of the electrical charge image, and a projection lens and polarizing screen for directing the light reflected from the reflecting surface upon an observation screen, the prismatic elements of the reflecting surface being so constructed as to produce complete internal reflection and to return the light rays substantially normally to the plane of the target electrode.

2,297,444
COLOR TELEVISION RECEIVER
Otto von Bronk, Berlin, Germany; vested in the Alien Property Custodian
Application October 5, 1939, Serial No. 297,971
In Germany September 14, 1938
2 Claims. (Cl. 178—5.4)



1. A color television receiving system for receiving transmitted color television picture signals representing alternately one and another of two color components, comprising means for translating the received picture signals into a succession of black and white television pictures alternately representing the two color components of the color television image, means for projecting the produced black and white pictures onto a light reflecting surface, means for oscillating the light reflecting surface in synchronism with the production of the successive black and white pictures to alternately reflect the black and white pictures along two optical paths, translucent color filter means positioned in each of the optical paths, the color of each filter corresponding to the color component of the black and white picture projected along the path in which the filter is positioned, and optical means for converging the two optical paths whereby the alternate pictures will be superimposed on a common viewing screen to produce color television pictures.

2,297,445
CUTTING TOOL
Friedrich Wenzel, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian
Application September 8, 1939, Serial No. 294,004
In Germany January 1, 1939
16 Claims. (Cl. 29—103)



1. A cutting tool of the class described, comprising a plurality of individual cutting teeth, a carrier member for said teeth disposed in radial alignment therewith for holding said teeth in permanent fixed position, and a polygonal member disposed in radial alignment with said carrier member and in radially interlocking permanent engagement therewith.

2,297,446
HOLLOW BLADE FOR EXHAUST GAS TURBINE ROTORS
Gustav Zellbeck and Alfred Müller, Munich, Germany; vested in the Alien Property Custodian
Application December 23, 1939, Serial No. 310,690
In Germany December 3, 1938
4 Claims. (Cl. 60—41)

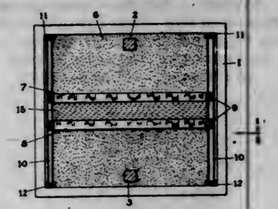


1. In an elastic fluid turbine wheel, a blade carrying member and blades projecting radially therefrom, said blades each having a leading face and a following face, the leading face being equidistant from the following face of the preceding blade over their entire radial length whereby the throughflow passages between the blades will have the same peripheral depth over the entire radial length of said passage, each blade being formed with a cooling fluid passage between its leading and its following face, said cooling fluid passage gradually enlarging toward the periphery of the wheel whereby a constant wall thickness between the cooling fluid passage and the leading and following faces is maintained over the entire radial length of said faces.

2,297,447
APPARATUS FOR HEAT TREATING METALLIC GOODS IN BATHS
Carl Albrecht, Kronberg in Taunus, Germany; vested in the Alien Property Custodian
Application January 23, 1941, Serial No. 375,679
In Germany February 23, 1940
1 Claim. (Cl. 266—4)

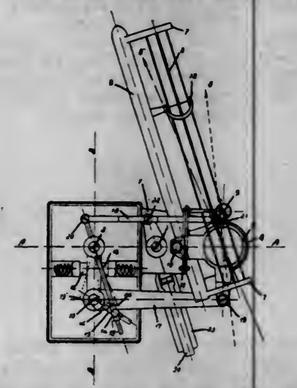
A heat treating apparatus comprising a container for a heat treating liquid bath having an open top, a pair of elongated shallow partitions adapted to be situated parallel to each other at the surface of said bath, supported across the open top of said container and arranged to move to and from each other in a substantially horizontal plane, said partitions being adapted to

retain solid material floating on said bath and, together with the side walls of said open top,



to define a variable area of the bath surface kept free from said floating material.

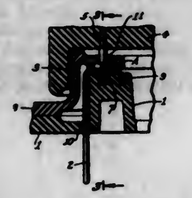
2,297,448
BOMB SIGHT AND PILOT DIRECTOR
Augusto Baroni, Rome, Italy; vested in the Alien Property Custodian
Application September 18, 1940, Serial No. 357,310
In Italy March 5, 1938
1 Claim. (Cl. 33—46.5)



A correction device for bomb sights of the type comprising a deformable triangle of mechanical members representing to scale the air-wind-ground-speed triangle, having the ground speed member rotatable about a vertical axis, a base, a vertical column rotatably supported on said base, an ocular sight bead adjustable along said column, a sleeve integral with the base, a shaft carried by said sleeve for rotation about a vertical axis, a horizontal bar fixed to said shaft, cross pieces projecting laterally from said bar, three parallel sight wires stretched between said cross pieces the center one of which is a lubber line intersecting the axis of said vertical shaft, an objective sight bead adjustable along said lubber line, said beads coacting to determine a line of sight, and a link connecting said bar and ground speed member to maintain them parallel.

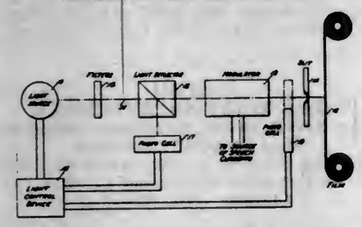
2,297,449
ELECTRON TUBE
Georg Baumbach, Berlin, Germany; vested in the Alien Property Custodian
Application April 19, 1941, Serial No. 389,293
In Germany May 11, 1940
3 Claims. (Cl. 173—328)

1. In a socket for electron tubes, a bottom part, a cap attached to said bottom part and enclosing therewith a chamber, said cap being perforated at a plurality of points through which access may be had to said chamber, a contact spring for each perforation, each contact spring being substantially U-shaped with the closed loop of the U projecting to the outside through perforations



in the bottom part, the open ends of the U being bent at right angles below said perforations with the tips of the spring anchored in the bottom part.

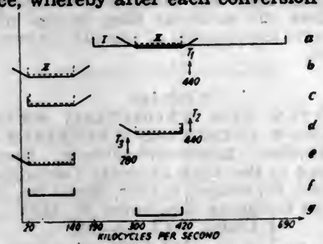
2,297,450
CONTROLLING THE EXPOSURE OF PHOTOGRAPHIC SOUND RECORDS
Carlheinz Becker, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian
Application August 27, 1940, Serial No. 354,460
In Germany March 18, 1939
1 Claim. (Cl. 179—100.3)



Method for controlling the intensity of the light source used in photographic sound recording that comprises photoelectrically measuring the intensity of the light beam after passage through the modulating means without modulation, adjusting the intensity of the light beam to a pre-selected value in accordance with this measurement, continuously diverting a portion of the light beam prior to modulation from the optic axis of the system, measuring the intensity of light thus diverted, and maintaining an average light intensity during recording equivalent to the light intensity of the unmodulated beam first measured by adjustment of the light intensity in accordance with measurements of the intensity of the diverted beam.

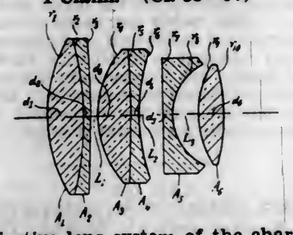
2,297,451
METHOD OF SELECTIVE FILTERING OF FREQUENCY BAND RANGES
Hermann Bendel, Berlin-Charlottenburg, Karl-Heinrich Krambeer, Berlin-Spandau, and Hans Jacoby, Finkenkrug, Kreis Osthavelland, Germany; vested in the Alien Property Custodian
Application May 4, 1940, Serial No. 333,372
In Germany and Japan December 29, 1938
8 Claims. (Cl. 178—44)

3. Method of filtering out selectively a wide partial band of a frequency band, characterized in that the partial band is filtered out and that for separating accurately the undesirable neighboring frequencies said band is converted into a sufficiently low frequency range on the one hand, with retaining of the frequency sequence and on the other hand with reversal of the frequency sequence, whereby after each conversion there is



carried out an accurate separating of the respective lower frequency edge of the converted band.

2,297,452
PHOTOGRAPHIC OBJECTIVE
Max Berek, Otto Zimmermann, and Gustav Kleineberg, Wetzlar, Germany; vested in the Alien Property Custodian
Application April 22, 1941, Serial No. 389,796
In Germany May 6, 1940
1 Claim. (Cl. 88—57)



An objective lens system of the character described comprising four lens members axially alined and air spaced apart, namely a first collective member and a second collective member, each of which contains a dispersive cemented surface, a third simple dispersive lens member and a fourth simple collective lens member, the distance between the third and the fourth lens member being greater than half the distance between the second and the third lens member, characterized by that the ν-value of the glass in the third lens member is at least thirty percent greater than the ν-value of the glasses in the dispersive elements of the collective lens members and at the same time at the most twenty percent lower than the ν-value of the glass in the fourth lens member, said ν-values being the dispersion ratio or Abbe number of the respective glasses used in the lens members.

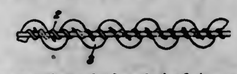
2,297,453
OPTICAL GLASS
Edwin Berger and Karl Rehm, Jena, Germany; vested in the Alien Property Custodian
No Drawing. Application November 25, 1940, Serial No. 367,010. In Germany December 11, 1939
3 Claims. (Cl. 106—54)

1. An optical glass having an index of refraction n_d and an Abbe constant ν whereby

$$n_d > 1.86 - 0.004\nu$$

and containing substantial quantities of boron oxide, bivalent ovides and lanthanum oxide, the content of boron oxide amounting at the most to 25%, the content of barium oxide amounting to at least 25%, the content of barium oxide and of other oxides of earth alkalis as well as of zinc oxide and lead oxide amounting in total to at least 45%, and the content of lanthanum oxide amounting to 20% at the most.

2,297,454
CATHODE
Hermann Berger, Berlin, Germany; vested in the Alien Property Custodian
Application January 16, 1941, Serial No. 374,655
In Germany January 20, 1940
3 Claims. (Cl. 250—27.5)



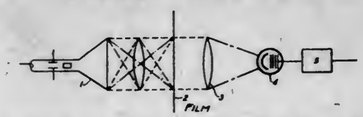
1. A large surfaced thoriated tungsten cathode comprising a core of tantalum carbide and a thoriated tungsten wire wound upon and in direct contact with said core.

2,297,455
COAL TAR PITCH AND A METHOD FOR PREPARING THE SAME
Alfred Brautigam, Berlin - Grunewald, Horst Walther, Wiederitzsch, near Leipzig, Karl Friedrich Lang and Kurt Berlin, Erkner, near Berlin, Germany; vested in the Alien Property Custodian
No Drawing. Application April 30, 1940, Serial No. 332,478. In Germany April 27, 1939
9 Claims. (Cl. 196—76)

1. A process for producing a coal tar pitch of low sensitiveness to changes of temperature, which comprises mixing a coal tar hard pitch which has been substantially freed from volatile constituents and is at most slightly cracked, with a material selected from the group consisting of coal tar and coal tar oils, and heating said mixture to about 290°–300° C. for several hours.

5. A stable coal tar pitch of low sensitiveness to changes of temperature, which shows an interval of about 37° to 43° C. between its softening and breaking point, a length of flow of about 15 to 60 mm. at 65° C., and a height of fall of about 145 to 250 cm. at 0° C., said stable coal tar pitch consisting of a mixture of a coal tar hard pitch which has been substantially freed from volatile constituents, and is at most slightly cracked, with a material selected from the group consisting of coal tar and coal tar oils.

2,297,456
SIGNAL AMPLIFIER
Kurt Brückersteinkuhl, Berlin-Friedenau, Germany; vested in the Alien Property Custodian
Application July 20, 1940, Serial No. 346,541
In Germany July 28, 1939
5 Claims. (Cl. 178—7.2)



1. A signaling system comprising an amplifier arrangement including an input circuit, means adapted to produce current including signaling components and disturbing signal components decreasing according to a fixed logarithmic law and feed said produced current to said input circuit, said amplifier also including a thermionic tube having anode, cathode and grid electrodes, a compensating element in the cathode lead of said tube, said element consisting of a condenser

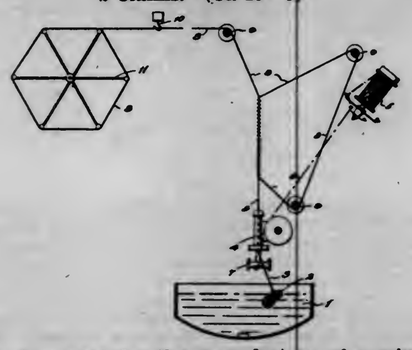
and a resistance connected in parallel, said element having a time constant equal to the time constant of said disturbing signal component.

2,297,457
UNIVERSAL JOINT
Josef Buchhart, Stuttgart-Zuffenhausen, Germany; vested in the Alien Property Custodian
Application July 30, 1940, Serial No. 348,410
In Germany May 25, 1939
1 Claim. (Cl. 64—21)



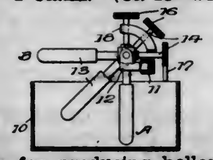
A universal joint including a pair of shafts each having an end flattened parallel to its longitudinal axis, one of said shafts having a recess and the other of said shafts having an integral spherical extension fitting into said recess, two split pivot blocks, one surrounding the flattened portion of each shaft end and each having a cylindrical outer surface, the axis of the cylindrical outer surface of each pivot block being parallel to the flattened end of its respective shaft and substantially perpendicular to the shaft axis, a common member for holding said pivot blocks in such a manner that the axes of the cylindrical outer surfaces lie parallel to one another, further means for guiding said shaft ends about an axis perpendicular in one direction to the flattened portion of the shaft and in another direction to the axis of its surrounding cylindrical pivot blocks, and a cylindrical housing surrounding and strengthening said common member, the shaft ends being spherically curved along the longitudinal sides of their flattened portions and enlarged so that the spherically curved surfaces rest against and are guided by said housing.

2,297,458
PROCESS OF MANUFACTURE OF MIXED YARNS OF ARTIFICIAL TEXTILE FIBER AND NATURAL SILK THREADS
Emilio Castelli, Como, Italy; vested in the Alien Property Custodian
Application July 11, 1941, Serial No. 402,044
In Italy July 17, 1940
2 Claims. (Cl. 19—3)



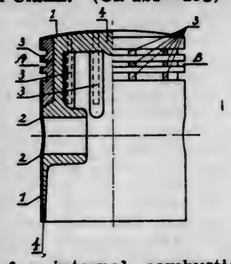
1. A process for the manufacture of a mixed yarn composed of artificial textile fiber and natural silk filaments including the steps of removing the silk filaments directly from the cocoon, and adding the artificial fiber to the silk filament during the removal of the silk filament from the cocoon.

2,297,459
APPARATUS FOR PRODUCING ARTICLES FROM ARTIFICIAL MATERIALS
Jakob Dichter, Berlin-Schoneberg, Germany; vested in the Alien Property Custodian
Application September 9, 1940, Serial No. 356,093
In Germany September 30, 1939
1 Claim. (Cl. 18—24)



Apparatus for producing hollow bodies from flowable plastic material comprising a conveyor having trunnions thereon, a plurality of rotatable arbors, a forming mold at one end of each arbor, a pinion secured to the other end of each arbor, said arbors being journaled in said trunnions between said molds and said pinions, a stationary rack adapted to mesh with said pinions when said arbors are horizontally disposed, and a cam track positioned to engage said arbors between the pinions and the trunnions to swing said arbors to said horizontal position.

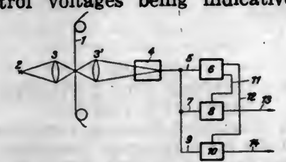
2,297,460
PISTON FOR COMBUSTION POWER ENGINES
Friedrich Richard Dietrich, Munich, Germany; vested in the Alien Property Custodian
Application April 16, 1941, Serial No. 388,750
In Germany July 14, 1939
1 Claim. (Cl. 123—193)



A piston for internal combustion engines consisting of an outer thin-walled coat of hard metal around a light metal piston, the coat possessing within the range of the ring portion ribs at the inner circumference, the ribs running approximately parallel to the longitudinal axis of the piston and lined with the light metal, and the depth of the ribs being greater than that of the ring grooves of the piston.

2,297,461
TELEVISION TRANSMISSION SYSTEM
Wolfgang Dillenburger, Berlin-Nikolassee, Germany; vested in the Alien Property Custodian
Application August 9, 1940, Serial No. 351,934
In Germany November 25, 1938
9 Claims. (Cl. 178—7.2)

1. The method of controlling the transmission of images of positive and negative character comprising the steps of scanning said images, deriving image signals, deriving control voltages from strips between said images, said strips and said control voltages being indicative of the



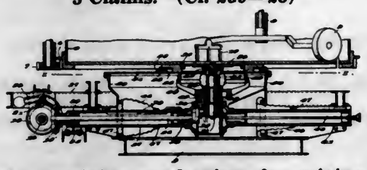
positive or negative character of said images, and controlling the phase of the image signals in accordance with said control voltage.

2,297,462
TYPE WHEEL FOR TELEGRAPH APPARATUS
Max Dressler, Berlin-Haselhorst, Germany; vested in the Alien Property Custodian
Application September 12, 1940, Serial No. 356,455
In Germany July 15, 1939
3 Claims. (Cl. 197—48)



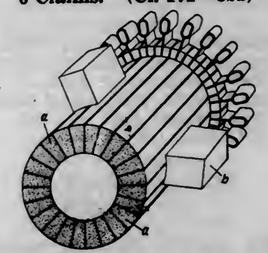
1. In a printing telegraph receiver in which the type wheel returns to a predetermined normal position after each character has been printed, a type wheel having a recess in that portion of its periphery which is adjacent the tape in the normal position of the type wheel, whereby the last character of the printed communication is rendered visible.

2,297,463
DEVICE FOR EMPTYING MIXERS
Joseph Eirich and Gustav Eirich, Hardheim, Nordbaden, Germany; vested in the Alien Property Custodian
Application June 27, 1940, Serial No. 342,826
In Germany January 20, 1937
5 Claims. (Cl. 259—28)



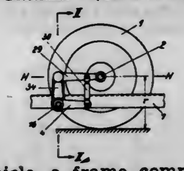
1. An emptying mechanism for mixing machines having a mixing cup having a circular bottom and a central discharge aperture in said bottom, comprising a horizontally movable carriage, a closing plate for said discharge aperture mounted on said carriage, means for lifting and lowering the closing plate, a shaft for actuating said lifting and lowering means, means to reciprocate the carriage and to actuate said shaft before and after reciprocating the carriage, said last means including a rack, pinion means meshing with the rack for operating the rack, a shaft adapted to be bolted with the carriage, a second pinion means meshing with the rack on said boltable shaft and a gear connecting said boltable shaft with the shaft actuating the lifting and lowering means, a dust- and liquid-tight casing accommodating the lifting and lowering means, the shaft for operating the lifting and lowering means being located parallel to the direction of the reciprocating of the carriage, and a protecting tube for the shaft actuating the lifting and lowering means, the shaft being of sufficient length that the end thereof actuated by the reciprocating and actuating means as well as said last means are outside the range of the material discharged from the discharge aperture.

2,297,464
CARBON COLLECTOR AND COMMUTATOR FOR ELECTRIC MACHINES AND APPARATUS
Kurt Fleischmann, Mannheim, Germany; vested in the Alien Property Custodian
Application May 5, 1941, Serial No. 391,999
In Germany March 27, 1939
6 Claims. (Cl. 171—321)



1. A commutator comprising a plurality of bars consisting entirely of carbon, said bars being in part deformed from their normal contour to increase their normal longitudinal resistance.

2,297,465
SPRING SUSPENSION FOR ROAD VEHICLES
Karl Froehlich, Stuttgart, Germany; vested in the Alien Property Custodian
Application September 24, 1940, Serial No. 358,118
In Germany October 16, 1939
2 Claims. (Cl. 267—57)

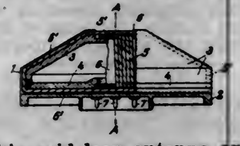


1. In a vehicle, a frame comprising a transverse tubular member, road wheels, means for supporting said road wheels relative to the frame comprising brackets attached to and extending upwardly from the terminal portions of said tubular member, generally horizontally extending levers each pivoted at one end to one of said brackets for movement in a generally longitudinal vertical plane and supporting a road wheel at its other end, torsion bar spring means within said tubular member supported by an abutment near the center of said tubular member, and spring reaction transmitting means the latter comprising an arm extending generally horizontally below said lever, and a tension link means between said arm and said lever.

2,297,466
FRAME AERIAL
Walter Funke, Berlin, Bruno Kalz, Dabendorf, and Helmut Johannson, Berlin, Germany; vested in the Alien Property Custodian
Application January 26, 1940, Serial No. 315,720
In Germany April 24, 1935
7 Claims. (Cl. 250—33)

1. A directive radio receiving arrangement

adapted to be mounted on a wall of an airplane and comprising a loop antenna of substantially uniform cross sectional area open at its ends, and a truncated core of soft iron material ar-



ranged within said loop antenna and confining the latter peripherally thereof and extending beyond the ends thereof and said core having a base portion sustained by said wall.

2,297,467

PHOTOELECTRIC CATHODE

Paul Görlich, Dresden, Germany; vested in the Alien Property Custodian

Application April 22, 1940, Serial No. 330,964
In Germany April 26, 1939
3 Claims. (Cl. 250—165)



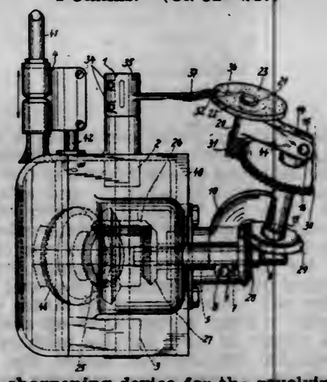
1. A photo electric cathode comprising a silver base, a layer of an alkali metal thereon, and a thin layer of antimony forming the top coating of said alkali metal layer.

2,297,468

SHARPENING DEVICE FOR THE ROTATING SICKLE KNIFE OF CIGARETTE ROD MACHINES

Paul Louis Graupner, Dresden-Radebeul, Germany; vested in the Alien Property Custodian

Application May 28, 1940, Serial No. 337,710
In Germany June 3, 1939
4 Claims. (Cl. 51—247)



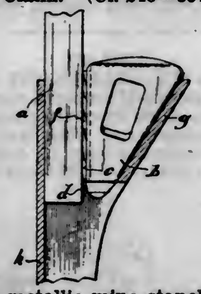
1. A sharpening device for the revolving sickle knife of cigarette rod machines, comprising, in combination, a revolving carrier, a sickle knife obliquely mounted on said carrier, a second carrier revolving in the same direction of rotation as the first mentioned carrier, a sharpening tool rotatably mounted on said second carrier and having a flat grinding face adapted to engage the cutting edge of said sickle knife during each revolution of said knife, a shaft rotatably arranged on said second carrier by which said sharpening tool is driven, a planet wheel for said tool, and a stationary sun wheel arranged coaxially with the rotating axis of the said second carrier and engaging said planet wheel, the said shaft being obliquely arranged with respect to the axis of the sun wheel.

2,297,469

CLAMPING MEMBER FOR TWO-PART IRON MINE STANCHIONS

Karl Maria Groetschel, Bochum, Germany; vested in the Alien Property Custodian

Application January 10, 1941, Serial No. 374,018
In Germany October 24, 1938
1 Claim. (Cl. 248—354)



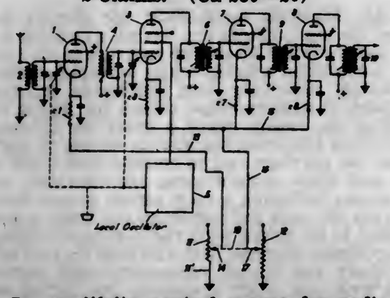
A two-part metallic mine stanchion including a lower stemple, an upper stemple slidably mounted in said lower stemple, means for clamping said upper stemple in said lower stemple, said clamping means including at least one wedge member having the inner face positioned to cooperate with the adjacent face of said upper stemple, and also having a vertical recess therein leaving a lower and side ledges, a compressible insert removably engaged in the recess and normally projecting beyond the inner face of the wedge member so as to contact the adjacent face of the stemple, the lower and side ledges having a surface area sufficient for independent transmission of the clamping forces acting on the inner stemple when the insert is removed and the insert being variable in thickness and material so that its degree of clamping action may thereby be regulated.

2,297,470

SENSITIVITY CONTROL FOR RADIO RECEIVERS

Gaetano Monti Guarnieri, Milan, Italy; vested in the Alien Property Custodian

Application April 27, 1940, Serial No. 332,047
In Italy May 12, 1939
2 Claims. (Cl. 250—20)



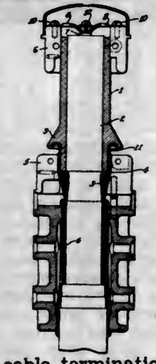
2. In sensitivity control means for radio receiver sets, an input section including electron tube amplifier means and a subsequent section including electron tube amplifier means fed by said input section amplifier means, a cathode resistor for tube grid bias in said input section, a separate cathode resistor for tube grid bias in said subsequent section, means for adjusting said input section cathode resistor to a certain extent and means for adjusting said subsequent section cathode resistor to a larger extent with respect to said first named extent.

2,297,471

CABLE TERMINAL

Fritz Gutsmann, Schoneiche, near Berlin, and Erich Schulze-Herringen, Berlin, Germany; vested in the Alien Property Custodian

Application September 25, 1940, Serial No. 358,320
In Germany October 18, 1939
6 Claims. (Cl. 174—73)



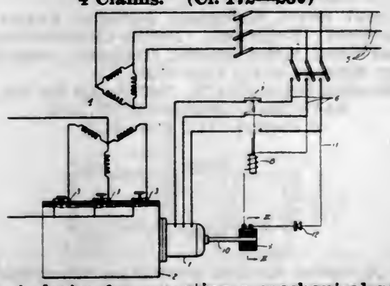
4. A coaxial cable termination comprising an inner cable conductor having a plurality of strands, an insulating body encircling said inner conductor, a ceramic tube encircling and in contact with said insulating body, said tube being provided with an extending torus portion near one end thereof an outer conductor, at least a portion of said outer conductor encircling said tube at said one end thereof, and junction means mounted at the other end of said tube, said junction means comprising separate spaced terminals conductively interconnected for at least a plurality of said strands.

2,297,472

PHASE CONNECTION FOR MECHANICAL RECTIFIERS

Carl Hahn, Berlin-Siemensstadt, and Wilhelm Feldmann, Berlin-Staaken, Germany; vested in the Alien Property Custodian

Application December 9, 1941, Serial No. 422,220
In Germany May 27, 1939
4 Claims. (Cl. 172—280)



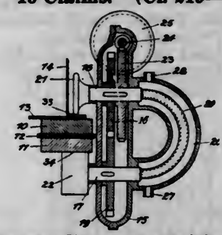
3. A device for operating a mechanical rectifier at the proper phase position comprising a non-excited synchronous motor, a synchronous commutator mounted on the shaft of the motor, a polyphase supply circuit for said motor, said supply circuit being in phase with the supply circuit of the rectifier, a circuit interrupter in the supply circuit of the motor, an actuating coil for said circuit interrupter, circuit means including said synchronous commutator for connecting said actuating coil across one phase of the supply circuit and a static rectifier in series with said actuating coil.

2,297,473

WELDING APPLIANCE

Gerhard Heim, Sindelfingen, near Stuttgart, Germany; vested in the Alien Property Custodian

Original application March 14, 1938, Serial No. 195,804, now Patent No. 2,263,038, dated November 18, 1941. Divided and this application August 17, 1940, Serial No. 353,091. In Germany March 15, 1937
15 Claims. (Cl. 219—4)



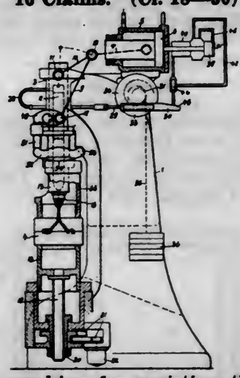
1. Welding appliance comprising laterally disposed electrode and bearing rollers spaced apart for gripping between them the work and a composite work-supporting electrode, gearing between said rollers, a motor in driving connection with one of said rollers, and a conductive connection between said rollers.

2,297,474

SQUIRTING PRESS FOR THERMOPLASTIC MASSES

Emil Hempel, Zerbst, Germany; vested in the Alien Property Custodian

Application June 20, 1936, Serial No. 86,402
In Germany June 29, 1935
16 Claims. (Cl. 18—30)



14. In a machine for squirting thermoplastic masses, in combination a driving piston, a squirting piston comprising a hollow outer member operatively connected to said driving piston for actuation by the latter and an inner member slidable in the outer member and arranged to

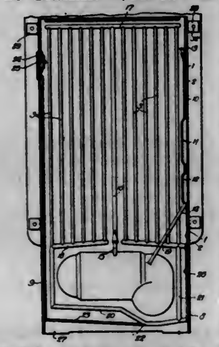
protrude from the outer member so as to act on the mass to be squirted, the end of the outer member remote from the protruding end of the inner member being closed so as to form a space above the end of the inner member for containing pressure fluid, a brake arranged for operation by pressure fluid and operatively connected to the driving piston for retarding the motion of the driving piston during the working stroke and adjusting means for said brake comprising a vent valve for permitting the escape of fluid from the brake, a wedge slide operatively connected to the vent valve, adjusting means arranged for operation by fluid pressure for adjusting the wedge slide and a flexible pipe connected to said space and said adjusting means for displacing the wedge slide and moving the valve into the closing position as the squirting pressure increases the pressure of the fluid in the said space.

2,297,475

REFRIGERATOR

Rudolf Hintze, Berlin-Charlottenburg, and Anton Engelmann, Berlin-Tegel, Germany; vested in the Alien Property Custodian

Application April 24, 1940, Serial No. 331,392
In Germany April 5, 1939
10 Claims. (Cl. 62—116)



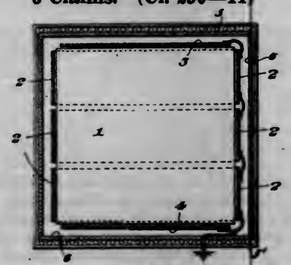
1. In a refrigerator, a rigid vertical frame comprising parallel sheets welded together, liquid cooling channels indented in one of said sheets, and a cooling chamber having its rear wall extending parallel to the upper portion of said frame and supported thereon, the said frame extending downwardly below said chamber and forming the rear supporting legs therefor.

2,297,476

GONIOMETER

Karl-Georg Holsten, Berlin, Germany; vested in the Alien Property Custodian

Application January 16, 1941, Serial No. 374,652
In Germany January 18, 1940
3 Claims. (Cl. 250—11)



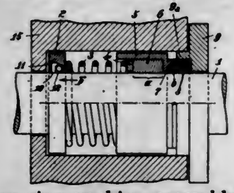
1. A goniometer comprising field coils, a casing carrying these coils, a search coil within such casing, and a screening metal cylinder between the field coils and the search coil, such cylinder being subdivided into rings connected together and to earth at a single point.

2,297,477

FLUID SEAL

Felix Antonius Huhn and Carl Kreemke, Berlin, Germany; vested in the Alien Property Custodian

Application August 3, 1940, Serial No. 350,576
In Germany July 27, 1939
3 Claims. (Cl. 286—7)



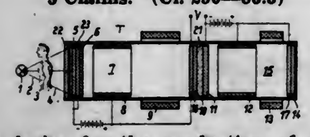
1. A sliding ring packing assembly adapted to provide a fluid-tight seal comprising, in combination, a stationary housing member, a shaft member rotatable in said housing member, a jacket closure member having a fluid-tight joint with said stationary housing member, a stationary sealing member surrounding said shaft and secured to said jacket closure member, said sealing member having a radial end bearing surface, a rotary sealing member surrounding said shaft and having a radial end bearing surface in sealing engagement with said stationary sealing member bearing surface, said rotary sealing member being shaped to provide an annular recess surrounding the shaft and adapted to receive packing material, packing material in said annular recess, an annular pressure ring slideable in said recess for bearing on said packing, a collar surrounding said shaft, said collar having an inner frusto-conical bearing surface, a helical compression spring bearing between said collar and said pressure ring for compressing said packing, and a helical spring formed as an annulus disposed between said shaft and said frusto-conical bearing surface for wedgingly securing said collar to said shaft when said collar is urged in the direction of compression spring pressure and permitting said collar to move freely when urged in opposition to such spring pressure.

2,297,478

DEVICE FOR THE PRODUCTION OF VISIBLE OR PHOTOGRAPHIC IMAGES WITH THE AID OF A BEAM OF NEUTRONS AS DEPICTING RADIATION

Hartmut Israel Kallmann, formerly known as Hartmut Kallmann, Berlin-Charlottenburg, and Ernst Kuhn, Berlin, Germany; vested in the Alien Property Custodian

Application September 28, 1940, Serial No. 358,939
In Germany September 29, 1939
3 Claims. (Cl. 250—83.3)



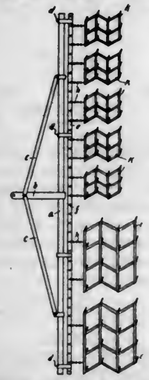
1. A device for the production of visible or photographic images with the aid of a beam of slow neutrons as depicting radiation which contains also quick neutrons and of a neutron image converter as depicting system for the intensity distribution of incoming neutron radiation comprising in combination with a neutron reactive layer emitting charged particles under the influence of slow neutrons, a layer emitting slow secondary electrons under the action of the charged particles, and an absorption layer rich in heavy nuclei interposed between said layers.

2,297,479

BEAM FOR CULTIVATING ATTACHMENTS

Georg Karl, Schweinfurt-on-the-Main, Germany; vested in the Alien Property Custodian

Application May 21, 1940, Serial No. 336,369
In Germany May 23, 1939
1 Claim. (Cl. 55—84)



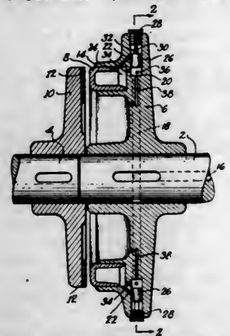
In field cultivating attachments having chains for harrow units; a traction beam, and another beam connected with said traction beam and extending parallel thereto, said other beam having T-shaped openings formed therein for attaching the chain rings, said chain rings having an inner diameter which is substantially equal to the width of said other beam.

2,297,480

CENTRIFUGAL PISTON CLUTCH

Franz Kratzmann, Dessau, Germany; vested in the Alien Property Custodian

Application January 27, 1941, Serial No. 376,248
In Germany October 11, 1939
6 Claims. (Cl. 192—85)



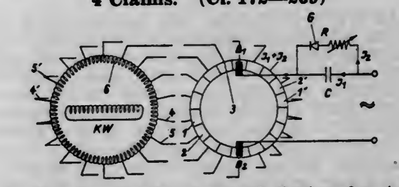
1. In combination of a friction disc clutch for connecting a driving shaft to a driven shaft, a hydraulic piston for actuating said clutch, a fluid supply system for said piston, and a valve in said system, said valve comprising a radially extending bore mounted upon one of the shafts, a mass in said bore movable radially of the shaft carrying said bore, conduit means for providing communication through said bore from said supply system to said piston when said mass is displaced toward the shaft carrying said valve, second conduit means for releasing fluid from said piston through said bore when said mass is displaced outwardly from said carrying shaft by centrifugal force, and an adjustable stop member for limiting the radially outward displacement of said mass.

2,297,481

ELECTRICALLY OPERATED DEVICE FOR TRANSMITTING ANGULAR MOVEMENT

Adolf Krüssmann, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian

Application October 3, 1940, Serial No. 359,621
In Germany October 6, 1939
4 Claims. (Cl. 172—239)



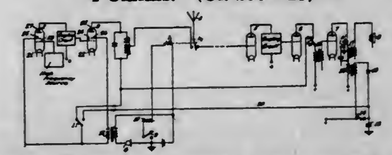
1. An electrically operated device for transmitting angular movement comprising an annular commutator consisting of a plurality of conducting segments insulated against each other and of a plurality of rotatably mounted sliding brushes; said brushes being rotatable simultaneously in dependence on the angular movement to be transmitted; an electric motor having a stator carrying an annular rotary field winding; said winding having an number of circumferentially disposed taps connected to circumferentially disposed commutator segments; an A. C. power source and a D. C. power source; said commutator brushes being connected to said A. C. and said D. C. power source for producing in the stator of the motor an alternating magnetic field and a constant magnetic field, both fields rotating synchronously with the commutator brushes; and the rotor of the motor carrying a short circuited winding having a straight axis and tending to adjust that axis perpendicularly to the stator magnetic flux.

2,297,482

PORTABLE RADIO EQUIPMENT

Walter Kuhlmann, Brunswick, Germany; vested in the Alien Property Custodian

Application September 6, 1940, Serial No. 355,567
In Germany July 10, 1939
4 Claims. (Cl. 250—13)



1. Portable radio apparatus comprising a transmitter and a receiver, means for alternatively operating said transmitter and receiver, means in said transmitter for producing amplitude modulation of the output of said transmitter and means in said receiver for further am-

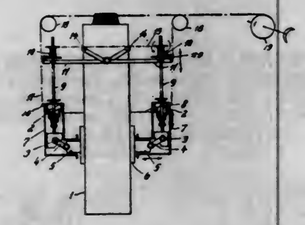
plitude modulating the output of said transmitter in accordance with the amount of said first-mentioned modulation.

2,297,483
ELASTIC CONNECTING LINK
Kurt Karl Kühne, Hanover, Germany; vested in the Alien Property Custodian
Application December 31, 1940, Serial No. 372,638
In Germany December 28, 1939
1 Claim. (Cl. 287—85)



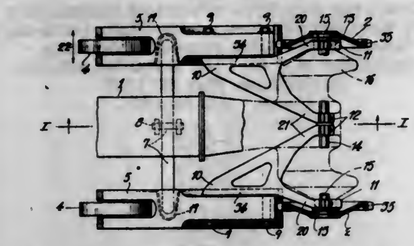
In an elastic connecting link having spaced cylindrical concentric members having smooth uninterrupted walls enclosing therebetween an elastic sleeve, having an outer and an inner wall, the combination with the outer wall of the sleeve formed with a contour having peaks and valleys so disposed that the amplitude of the central wave is greater than the amplitudes of the waves at each side thereof and that the wave length of lateral waves are longer than that of the central wave, of the inner wall of the sleeve formed with a contour of peaks and valleys so disposed that radially inwards of a peak of the outer wall, a valley of the inner wall is disposed, and radially inwards of a valley of the outer wall, a peak of the inner wall is disposed, and means for compressing the elastic sleeve from each end of the elastic sleeve longitudinally from the ends to the center of the sleeve for closing the valleys of the contours of the inner and outer walls, and bringing the peaks adjacent each other.

2,297,484
ELECTRODE HOLDER
Fritz Lehrer, Berlin-Charlottenburg, and Johannes Wotschke, Berlin-Dahlem, Germany; vested in the Alien Property Custodian
Application October 4, 1940, Serial No. 359,812
In Germany October 9, 1939
2 Claims. (Cl. 13—14)



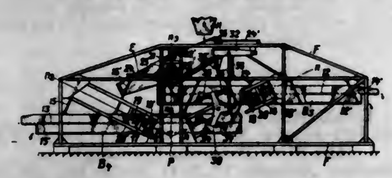
1. An electrode holder comprising, a main clamp designed as a current conduit for holding an electrode in operating position, means for supporting said main clamp, a secondary clamp axially spaced from said main clamp and adapted to act on another portion of an electrode, means normally pressing said main clamp into gripping position, and means acting on said last-named means for drawing said two clamps together and simultaneously displacing the pressure thereof from the main clamp to the secondary clamp to permit passage of the electrode through the former.

2,297,485
CATERPILLAR TRACTOR
Anton Lentz, Heidelberg, Germany; vested in the Alien Property Custodian
Application May 28, 1940, Serial No. 337,585
In Germany June 9, 1938
15 Claims. (Cl. 305—9)



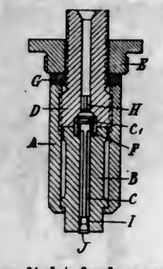
1. In a caterpillar tractor, a machine body, a roller frame, a chain wheel, a fork like holder rigidly connected with said frame and having widely spread prong-like arms, a bearing means provided in each of said arms and swingably connecting said arms with said body, both said bearings being positioned coaxially with and inside of said chain wheel.

2,297,486
CONVEYING APPARATUS
Gerhard Linke and Werner Michaelis, Magdeburg, Germany; vested in the Alien Property Custodian
Application May 15, 1940, Serial No. 335,392
In Germany April 28, 1939
9 Claims. (Cl. 209—247)



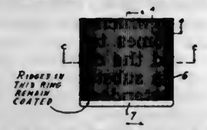
1. Apparatus for conveying and treating material in bulk, comprising a support, two conveying troughs resiliently carried by said support in a position, in which the vertical planes of symmetry longitudinally intersecting said troughs substantially coincide, and being adapted to be bodily reciprocated in paths of motion which are upwardly inclined in opposite directions, means for feeding the material into said troughs, a balance element structurally associated with said troughs and adapted to be bodily reciprocated in counteraction thereto and on a path of movement so disposed and directed relatively to those of the troughs, that the paths of motion of the centers of gravity of the troughs and of the balance element meet at a common point of intersection, the weight of the balance element and the amplitudes of its reciprocating motion being so chosen relatively to the weight and the amplitudes of the reciprocating motion of the troughs, that the said oscillating forces and reacting inertia effects balance each other, and means for jointly reciprocating said troughs and balance element.

2,297,487
INJECTOR FOR INTERNAL COMBUSTION ENGINES
Prosper L'Orange, deceased, late of Stuttgart, Germany, by Rudolf L'Orange, executor, Stuttgart, Germany; vested in the Alien Property Custodian
Application April 27, 1940, Serial No. 332,108
In Germany September 6, 1938
1 Claim. (Cl. 299—107.6)



An injector for light fuels comprising a nozzle having an axial bore through which fuel to be injected is delivered under pressure, said bore including an upper portion, an intermediate portion of enlarged diameter communicating with said upper portion, and a lower guide portion communicating with said intermediate portion; a valve seat adjacent the juncture between said upper and intermediate portions; a non-return valve cooperating with said valve seat to control the flow of fuel from the upper portion to the intermediate portion of the bore; a piston valve slidably mounted within said guide and intermediate portions and including a passage through which fuel may flow from said intermediate portion to the lowermost end of said guide portion, said piston valve having a head at its upper end disposed within the intermediate portion of the bore and beneath the non-return valve positioned within said portion, and said piston valve having a valve surface at its lower end for controlling the flow of fuel from the lowermost end of the bore; and a compression return spring within said intermediate portion of the bore and beneath said head to maintain said head in contact with said non-return valve to maintain said valve in contact with said valve seat and to maintain said valve surface in position to prevent the flow of fuel from the lowermost end of the bore until said non-return valve is subjected to a sufficient, predetermined fuel pressure to overcome the force exerted by said spring.

2,297,488
RADIO-FREQUENCY COIL AND ELECTROSTATIC SHIELD
Rudolf Lüderitz, Berlin, Germany; vested in the Alien Property Custodian
Application October 18, 1940, Serial No. 361,664
In Germany June 8, 1939
3 Claims. (Cl. 250—16)



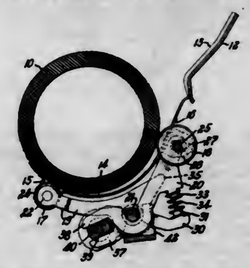
1. The steps in a method of making an electrostatic shield which comprise coating one of the surfaces of a tubular ceramic body, which surface is provided with a plurality of closely adjacent thin individual alternate grooves and ridges extending substantially parallel to each other and to the axis of the tubular body, with a thin layer of conducting material, and then removing said coating from all of the ridges separating said grooves excepting for a portion of each ridge which is included in a comparatively narrow ring located completely around said body and whose axis coincides with the axis of said body.

2,297,489
TOY DRIVING WHEEL
Carl Markes, Ludenscheid, Germany; vested in the Alien Property Custodian
Application August 21, 1941, Serial No. 407,737
In Germany September 11, 1940
6 Claims. (Cl. 46—221)



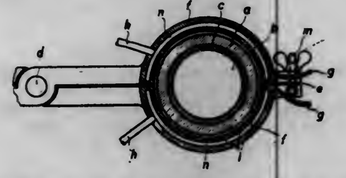
1. A toy driving wheel having a nonmetallic outer portion and a separate hub member comprising a hollow sheet metal body and a rubber sleeve nonrotatably arranged therein whose opening is smaller than that of the hollow sheet metal member, a nose radially projecting into the hub opening and intended to engage a slot of a round body to be inserted in the wheel, the front walls of said hollow sheet metal member being connected by parallel axially extending tongues bent off from one wall and clamped to the other, said tongues being arranged in clearances of the nonmetallic portion of the wheel.

2,297,490
PAPER GUIDE AND FEED FOR TYPEWRITERS
Hans Martin and Leopold Gebert, Erfurt, Germany; vested in the Alien Property Custodian
Application April 7, 1941, Serial No. 387,288
In Germany July 24, 1939
4 Claims. (Cl. 197—138)



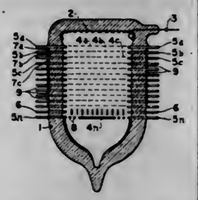
1. In a typewriting machine, a carriage frame, a platen removably journalled in said frame, open mouthed bearing seats on said frame beneath said platen, a shaft removably seated in said bearings, spaced pairs of lever members, the lever members of each pair extending forwardly and rearwardly and having opposed open bearing notches engaging opposite sides of said shaft, springs engaging opposed portions of the levers of each pair to urge them into gripping relation with said shaft, feed rolls journalled between the respective ends of the lever arms of adjacent pairs, and a guide apron articulated to the ends of the levers and supported thereby, said guide apron, levers, feed rollers and shaft constituting a unit assembly removable as such from the carriage after removal of the platen.

2,297,491
METHOD OF MANUFACTURING TUBULAR COMPOSITE METAL BODIES
Ernst Meier, Jr., Brunswick, Germany; vested in the Alien Property Custodian
Application September 11, 1940, Serial No. 356,395
In Germany July 4, 1939
4 Claims. (Cl. 22—202)



1. A method of making composite tubular bodies, comprising the steps of melting metallic material of comparatively low melting point, applying the same as a lining to the interior of a metallic tubular member of relatively high melting point, which member is at room temperature, thereafter heating the composite body to a temperature above the melting point of the lining material, and then rapidly cooling the same, whereby the lining metal is compressed due to shrinkage of the outer tubular member to perfect the union between the inner and outer layers of the composite body.

2,297,492
ELECTRICAL DISCHARGE DEVICE
Günter Michaelis, Berlin-Mariendorf, Germany; vested in the Alien Property Custodian
Application December 12, 1940, Serial No. 369,846
In Germany December 16, 1939
6 Claims. (Cl. 250—175)



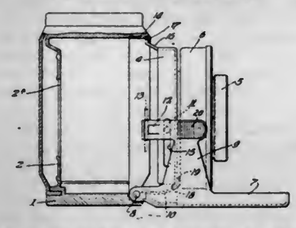
1. Method of producing vacuum discharge tubes including the steps of conductively connecting a plurality of electrodes each with a flat metal extension, placing a plurality of insulating members between said extensions, arranging said extensions and insulating members as a portion of the tube envelope and fusing said parts together so that an air-tight seal is formed between said insulating members and said metal extensions.

2,297,493
FLOATING PARACHUTE PACK
Pasquale Nasca, Rome, Italy; vested in the Alien Property Custodian
Application April 17, 1940, Serial No. 330,217
In Italy April 19, 1939
3 Claims. (Cl. 244—148)

1. Parachute pack, comprising a square frame, a bottom wall in said frame having two openings in proximity to the upper corners, bag-like extensions secured to the edges of said openings, means for securing said frame on the wearer's back and said extensions on the wearer's shoulders, an air-tight bladder on said bottom wall having compartments located in said bag-like extensions of said frame, a plurality of flaps of substantially triangular form secured to the periphery of the frame, easily disassemblable means for clasping the apices of said flaps at the center of the frame forming a cover for enclosing a folded parachute inside the frame, and means for filling the bladder and its compartments with a pressure gas when the parachute is dropped, thus facilitating release of the parachute and providing a float for sustaining the parachutist when descent is made on a water surface.

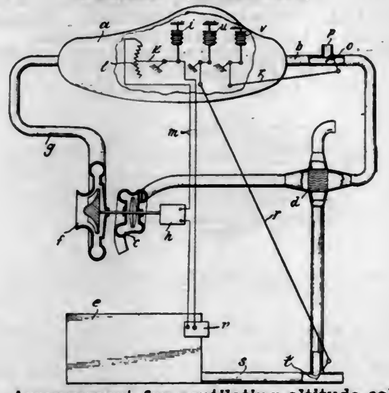


2,297,494
PHOTOGRAPHIC CAMERA
Hubert Nerwin, Dresden, Germany; vested in the Alien Property Custodian
Application January 4, 1941, Serial No. 373,095
In Germany September 4, 1939
5 Claims. (Cl. 95—40)



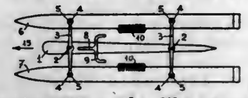
1. In a photographic camera, a camera casing provided with an objective carrier compartment and with a pivotally mounted front cover for said compartment, a camera objective carrier provided on opposite sides with a slot, a pair of brackets fixed to the front cover, a pin on each bracket extending into the slot in the adjacent side of said objective carrier, guide means on said front cover for slidably supporting the lower portion of said objective carrier when the front cover is opened, said objective carrier being substantially as large as said compartment in said camera casing, said compartment being provided at its outer edge with fixed stop means against which the upper end of said objective carrier comes to rest when the front cover is opened and the objective carrier, which is caused to move in substantially axial direction outwardly into its extended position by the brackets on said front cover reaches its operative position, and additional fixed stop means on said guide means against which the lower portion of said objective carrier comes to rest when the objective carrier reaches its extended operative position.

2,297,495
VENTILATION OF ALTITUDE CABINS, IN PARTICULAR FOR AIRCRAFT
Hans Pfau, Berlin-Adlershof, Germany; vested in the Alien Property Custodian
Application May 14, 1940, Serial No. 335,151
In Germany May 15, 1939
9 Claims. (Cl. 128—204)



1. Arrangement for ventilating altitude cabins particularly in airplanes the requisite fresh air of which is supplied by a compressor actuated by a turbine operating on the exhaust air from said cabin, said arrangement including an engine aggregate and comprising in combination a cabin, conduits leading to and from the latter, and means for controlling the number of revolutions of the engine aggregate in dependency upon the desired internal pressure in the cabin.

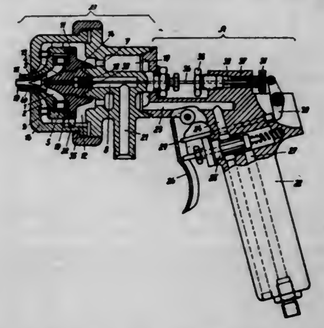
2,297,496
WATER SKI AND LIKE
Carlo Pomilio, Rapallo, Italy; vested in the Alien Property Custodian
Application January 3, 1941, Serial No. 373,031
In Italy May 28, 1940
2 Claims. (Cl. 115—0.5)



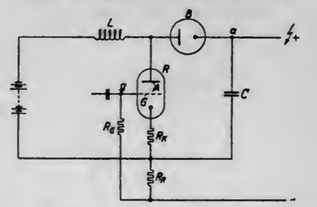
1. In a water ski or the like, a main buoyant body circular in cross-section, a buoyant propulsion member on each side of the main body, said propulsion members being substantially rectangular in cross-section, said members extending normally beyond both ends of the main body, means connecting the members to the main body to permit movement of the members relative to the body, said means causing movement of either member in one direction to compel movement of the other such member in the opposite direction, foot-receiving means on each member and cooperating foot-carried elements of the operator to engage said foot-receiving means to prevent relative movement of the foot-carried elements in all directions except upwardly.

2,297,497
SPRAYING PROCESS AND APPARATUS
Mintscho Popoff, Berlin, Germany; vested in the Alien Property Custodian
Application November 25, 1940, Serial No. 367,091
In Germany December 9, 1939
7 Claims. (Cl. 299—140)

7. A method of coating surfaces with liquids, particularly paints and lacquers comprising forming a liquid jet, an atomizing jet atomizing said liquid jet, a further driving jet concentric with said atomizing jet accelerating said atomizing jet mixed with the atomized liquid whereby the discharge velocity of the driving jet is considerably greater than the velocity of the atomizing jet at the point where the atomizing jet meets the liquid jet, a further blowing jet also concentric with said atomizing jet adapted to prevent atomizing action of the driving jet upon creeping liquid at the discharge outlet whereby the discharge velocity of said blowing jet is substantially equal to the discharge velocity of the atomizing jet, the discharge outlet of said driving jet being located relative to the direction of the flow in front of the discharged outlet of the blowing jet, and the discharge outlet of said blowing jet being located relative to the direction of the flow in front of the discharge outlet of said atomizing jet.

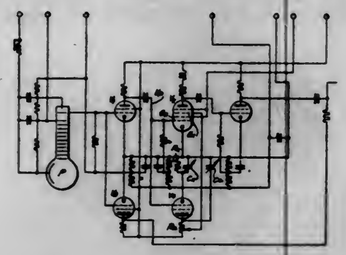


2,297,498
POWER SUPPLY SYSTEM
Johannes Prast, Berlin, Germany; vested in the Alien Property Custodian
Application June 8, 1940, Serial No. 339,479
In Germany June 26, 1939
2 Claims. (Cl. 171—97)



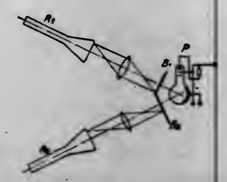
1. In combination, a source of direct current, a converter circuit connected to said source including a controllable electron valve connected in series with an inductance element said electron valve having a control circuit, a source of periodic current for energizing the control circuit of said valve to produce periodic voltage pulses across said inductance element, a work circuit connected to said converter circuit and including a condenser for integrating the current pulses produced by said inductance, and means providing a coupling between said work circuit and said control circuit for increasing the amplitude of said pulses in accordance with increase in amplitude of the current flowing in said work circuit.

2,297,499
TELEVISION TRANSMITTER
Armin Rappold, Berlin, Germany; vested in the Alien Property Custodian
Application August 22, 1940, Serial No. 353,685
In Germany September 5, 1939
5 Claims. (Cl. 178—7.2)



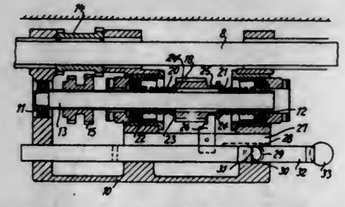
1. In a television transmitter in which pictures projected on a fluorescent screen having "after-glow" effects are scanned by an electron beam and the light from the scanned spot in the screen is projected onto a light sensitive cell, the combination of means for deriving from said cell two currents which are variable in accordance with the light values of the points scanned on said screen, one of which currents differing in magnitude from the other by an amount proportional to the actual light value of the picture area corresponding to the spot being scanned, and means for combining said two currents to produce a resulting variable current corresponding substantially to variations in actual light values of the picture areas being scanned and substantially free from the errors which tend to be introduced by the "after-glow" of said screen.

2,297,500
TELEVISION DEVICE
Armin Rappold, Berlin, Germany; vested in the Alien Property Custodian
Application September 6, 1940, Serial No. 355,565
In Germany October 26, 1939
2 Claims. (Cl. 178—7.2)



1. In a television transmitter including a cathode ray transmitter tube and means for causing said cathode ray to periodically scan a picture screen and wherein a disturbing signal is introduced during said scanning which signal unevenly shades the picture, means to compensate for said disturbing signal including a compensating cathode-ray tube having means to trace on its fluorescent screen a line in synchronism with the successive line scannings of the transmitter tube, a photoelectric cell positioned to be excited by the traced line on said compensating tube, and a slotted diaphragm between the screen of said compensating tube and said photoelectric cell for controlling the production of a compensating electrical wave by said cell having a waveform corresponding to said disturbing signal.

2,297,501
FEED INTERRUPTION DEVICE FOR SLIDES
Johannes Roloff, Altenburg, Thuringia, and Hans Hautsch, Meuselwitz, Thuringia, Germany; vested in the Alien Property Custodian
Application May 24, 1940, Serial No. 337,032
In Germany May 26, 1939
5 Claims. (Cl. 82—21)



1. An arrangement for the automatic interruption of longitudinal or transverse feeds on machine tools or the like, comprising a lead screw casing supported by a slide, a worm wheel for driving the slide rotatable in said casing, a drive shaft for the slide, a drop-casing housed by said lead screw casing and adapted to swing around the drive shaft, an intermediate shaft carried by the drop-casing and bearing two spiral springs, a worm slidably but non-rotatably mounted on the intermediate shaft between said spiral springs and meshing with the worm wheel, a locking bolt adapted to secure the drop-casing in operative position, and control means for releasing the bolt operated upon axial movement of the worm, the rotation of the worm in engagement with the worm wheel effecting such axial movement of the worm against the compression of one of said springs when the slide engages a fixed stop on the machine.

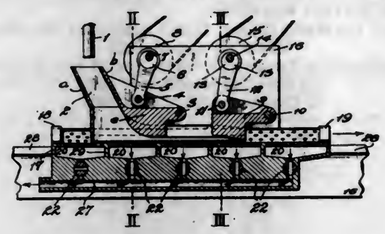
2,297,502
TREATMENT OF DRIED PEAS
Willi Rudolph, Karlsruhe, Baden, Germany; vested in the Alien Property Custodian
No Drawing. Application September 12, 1940, Serial No. 356,524. In Germany October 7, 1939
5 Claims. (Cl. 99—100)

1. A method of treating dried peas, consisting in subjecting the peas to be treated to a cooking process and adding alkali citrates to said peas to accelerate disintegration thereof.

2,297,503
PROCESS OF DETOXICATING CASTOR POMACE
Willi Rudolph, Karlsruhe, Baden, Germany; vested in the Alien Property Custodian
No Drawing. Application July 19, 1941, Serial No. 403,243. In Germany March 18, 1940
3 Claims. (Cl. 99—2)

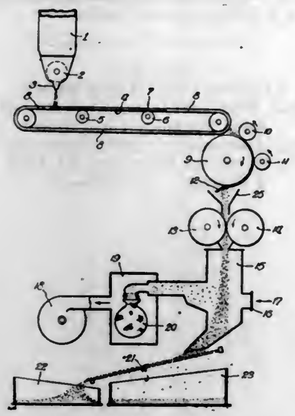
1. A process of detoxicating castor pomace, which includes the steps of grinding the pomace to be treated to a powder, repeatedly boiling the pomace with an organic solvent sucked off and renewed prior to each boiling step, washing the pomace with fresh solvent, drying the pomace to remove residual solvent and simultaneously heating it to inactivate and destroy the poisonous substances contained therein.

2,297,504
METHOD AND APPARATUS FOR MOLDING PLASTIC MATERIAL
Pino Salvaneschi, Broni, Italy; vested in the Alien Property Custodian
Application June 14, 1940, Serial No. 340,602
In Italy June 27, 1939
5 Claims. (Cl. 25—42)



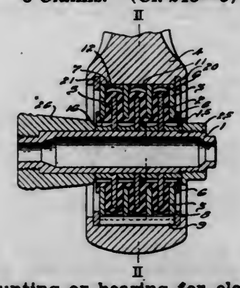
1. Apparatus for molding plastic material comprising, a frame, a mold plate slidable on said frame, a hopper above said mold plate for guiding a plastic material downwardly onto the mold plate, a mold surface carried by the hopper, a pin pivotally supporting the hopper, a rotatable eccentric, and means connecting the eccentric to the hopper to swing the hopper and the mold surface thereof on said pin whereby vibration of the hopper moves the plastic material therefrom onto the mold plate, said material being thereafter molded between the plate and the mold surface on the hopper.

2,297,505
METHOD FOR THE OPERATION OF FULLY AUTOMATIC PRESSES FOR ARTIFICIAL SUBSTANCE
Heinrich Schmidberger, Vienna, Germany; vested in the Alien Property Custodian
Application May 28, 1940, Serial No. 337,673
In Germany April 29, 1939
3 Claims. (Cl. 18—48)



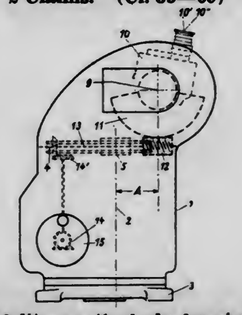
1. Method for preparing artificial material of use in fully automatic presses, consisting in taking said material in powdered condition, forming therefrom a granulate which contains dust-like particles as a normal constituent part thereof, and removing from said granulate dust-like constituents of a grain size less than 0.1 mm.

2,297,506
ELASTIC MOUNTING
Fritz Schmidt, Hamburg-Harburg, Germany; vested in the Alien Property Custodian
Application June 9, 1941, Serial No. 397,184
In Germany October 5, 1940
3 Claims. (Cl. 248—5)



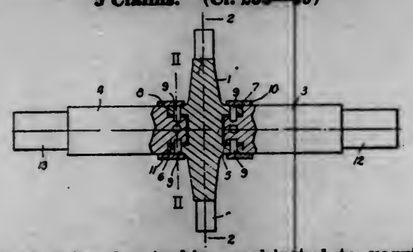
1. A mounting or bearing for elastically supporting an aircraft engine or the like comprising an outer sleeve element, an inner shaft element, apertured discs on the inner element and having their outer edges radially spaced from the wall of the sleeve element, other apertured discs disposed in alternating relation to the first discs and mounted on the wall of the sleeve and having their inner edges spaced from the shaft, and rubber between and connecting the discs, the radial spacing between the edges of the discs and the elements being different in one radial direction as compared to another radial direction so as to render the bearing more elastic in one radial direction than in another radial direction.

2,297,507
THEODOLITE, PARTICULARLY FOR MOVING OBJECTS
Leonid Schomann, Berlin-Sudende, Germany; vested in the Alien Property Custodian
Application October 14, 1940, Serial No. 361,132
In Germany October 17, 1939
2 Claims. (Cl. 33—69)



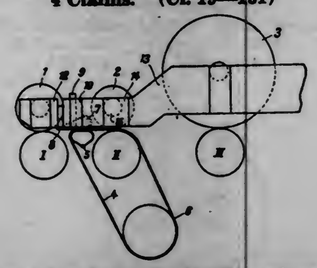
1. A theodolite, particularly for sighting moving objects comprising, in combination, a bell-shaped casing having a head portion, a stationary vertical columnar bearing arranged in the center of the bell-shaped casing, means for rotating the casing on the vertical columnar bearing, the head portion of the casing having two horizontal bearings therein spaced from each other and arranged in a plane lying in front of the plane through the axis of said vertical bearing, an observation telescope supported horizontally in the horizontal bearings, an eyepiece of the telescope being arranged between the two bearings, and means for rotating the telescope on a horizontal axis.

2,297,508
ROTOR FOR TURBINES
Alfred Schütte, Augsburg, Germany; vested in the Alien Property Custodian
Application March 1, 1941, Serial No. 381,367
In Germany February 29, 1940
5 Claims. (Cl. 253—39)



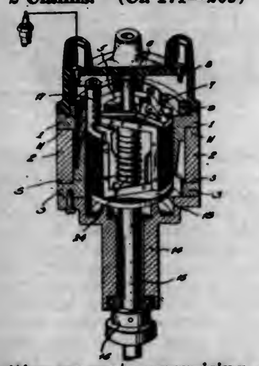
1. A rotor for turbines subjected to varying temperature conditions, comprising a solid disc of ceramic material, blades on said disc, steel shafts one projecting from each side of the disc, said disc having side portions of ceramic material interfitting with the ends of the shafts but with radial clearance between the shaft ends and the side portions of the disc to provide freedom for radial expansion of the shaft and said side portions with relation to one another where they extend one into another, and centering means securing the shaft ends to the respective side portions of the disc in definite coaxial relation and affording freedom of radial expansion and contraction of the shaft ends and the side portions at relatively different rates without stressing the said side portions due to such expansion and contraction.

2,297,509
LEATHER TAPE DRAWING FRAME WITH DRAWING GUIDE
Ernst Toenniessen, Munich, Germany; vested in the Alien Property Custodian
Application September 23, 1940, Serial No. 358,024
In Germany June 22, 1940
4 Claims. (Cl. 19—131)



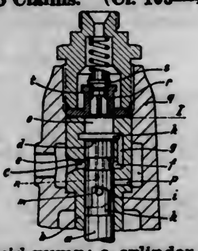
1. A drawing frame for textile rovings, including pairs of upper and lower drawing rollers, middle rollers and feed rollers, a belt reversing bar disposed between the lower drawing and middle rollers, a lower belt running about the lower middle roller and said belt reversing bar, a guide runner composed of a rail having a plane lower surface, said rail being disposed above said belt reversing bar and between said drawing and middle rollers and having lateral vertical extensions connected to its ends, the width of said rail being smaller than the diameter between the clamping lines of said drawing and middle rollers in such manner that the front and rear edges of said guide runner are overlapped by the vertical projections of the upper drawing and middle rollers, and a holder for positioning said upper rollers, having vertical guide slots to receive the lateral vertical extensions of said guide runner.

2,297,510
ELECTROMAGNETIC IGNITION DEVICE, PARTICULARLY FOR INTERNAL COMBUSTION ENGINES
Luigi Torriani, Milan, Italy; vested in the Alien Property Custodian
Application August 23, 1940, Serial No. 353,865
In Italy September 1, 1939
2 Claims. (Cl. 171—209)



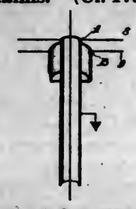
1. An ignition magneto comprising, an annular permanent magnet having a North polarity at one end and a South polarity at the other end, a plurality of circumferentially spaced pole pieces magnetically engaging the North end of said permanent magnet and extending inside the annular magnet towards the South end thereof, a series of pole pieces magnetically engaging the South end of the permanent magnet and extending inside the annular permanent magnet between the first pole pieces and towards the North end of the permanent magnet so as to overlap the first pole pieces, a magnetizable core mounted for rotation within said annular permanent magnet, and a winding on said core.

2,297,511
LIQUID INJECTION PUMP
Willy Voit, Stuttgart, Germany; vested in the Alien Property Custodian
Application December 3, 1940, Serial No. 368,316
In Germany December 23, 1939
5 Claims. (Cl. 103—41)



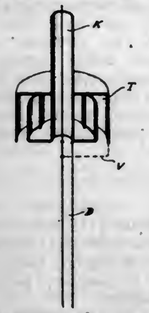
1. In a liquid pump; a cylinder which has suction, delivery and relief ports, and also which has an annular groove located at the beginning of its compression space and a longitudinal channel communicating with said groove; and a piston which is reciprocable in said cylinder and has means cooperative with said suction and relief ports at different points of its compression stroke to first compress the liquid in said compression space for discharge therefrom to the delivery port and to then relieve the compression pressure in said space, and also which has means for sealing said annular groove and for sealing said longitudinal channel at a place separated from said annular groove during substantially the entire movement of the piston through said compression space.

2,297,512
ARRANGEMENT FOR SUPRESSING WAVES ALONG CABLE CASINGS
Hans Jakob Ritter von Baeyer, Berlin, Germany; vested in the Alien Property Custodian
Application October 17, 1940, Serial No. 361,563
In Germany May 26, 1939
5 Claims. (Cl. 178—44)



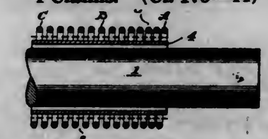
1. An arrangement for suppressing the propagation of a band of wavelengths along the outside of a conductor, including resonant means for presenting a high impedance to the flow of current along said conductor for wavelengths within said band, and further resonant means presenting a shunt path to earth for wavelengths within said band at each end of said first means.

2,297,513
TRANSMISSION LINE
Hans Jakob Ritter von Baeyer, Berlin, Germany; vested in the Alien Property Custodian
Application October 18, 1940, Serial No. 361,698
In Germany May 20, 1939
4 Claims. (Cl. 178—44)



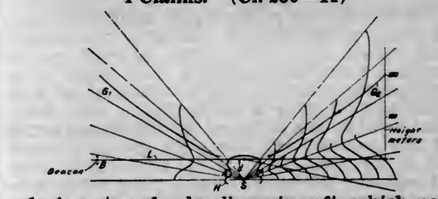
1. An arrangement for suppressing transmission of high frequency energy along the outside of a conductor comprising a plurality of tubular conductors coaxially arranged around said first mentioned conductor, alternate ones of said tubular conductors being connected at one end to said first named conductor and the remaining ones at the other end whereby an elongated chamber folded concentrically with respect to said first named conductor and closed at its inner end is formed, the length of said chamber being such as to present a high impedance at its outer end to said high frequency energy, and means presenting a low impedance path to ground for said energy connected to the outer of said tubular conductors.

2,297,514
WAVE COIL HAVING A SMOOTHED CHARACTERISTIC IMPEDANCE
Hans Jakob Ritter von Baeyer, Hans Otto Roosenstein, and Robert Tantzen, Berlin, Germany; vested in the Alien Property Custodian
Application October 31, 1940, Serial No. 363,666
In Germany June 19, 1939
4 Claims. (Cl. 178—44)



3. A wave coil having a winding of a plurality of convolutions of a conductor and means associated with the convolutions at the ends of said coil for causing the ratio of inductance to capacity of the end convolutions of said coil to equal said ratio for the convolutions throughout the remainder of said coil.

2,297,515
SYSTEM FOR LANDING AIRCRAFT
Rudolf von Ottenthal, Berlin, Germany; vested in the Alien Property Custodian
Application April 6, 1940, Serial No. 328,253
In Germany April 28, 1939
4 Claims. (Cl. 250—11)

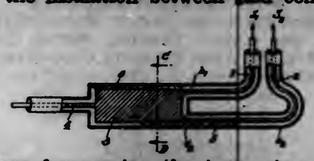


1. A system for landing aircraft, which comprises a radio beacon for producing a guiding pattern defining a plane in a given azimuthal direction, and means spaced from said plane for producing a radiation pattern having a predetermined curve of constant intensity in a vertical direction and being directed in a different azimuthal direction to intersect said plane, said last named means comprising radiation means for producing a radiation pattern having a center of radiation spaced from said plane and a plurality of symmetrical indents terminating in radiation minimum points in the horizontal plane, a line from the center of radiation of said system through the radiation minimum points being angularly disposed with respect to the line defined by said plane, and the radiation pattern being of such field strength that the constant intensity lines formed in said plane by said radiation pattern produce substantially rectilinear lines inclined to the landing surface, equal in number to the number of said indents in said radiation pattern.

2,297,516
HIGH FREQUENCY TRANSLATING DEVICE
Ludwig Walter, Berlin, Germany; vested in the Alien Property Custodian
Application November 28, 1940, Serial No. 367,554
In Germany June 30, 1939
10 Claims. (Cl. 178—44)

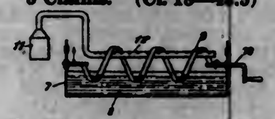
1. In a radio frequency transmission line hav-

ing a pair of elongated conductors insulated one from the other and energized by opposite instantaneous polarities, means for varying the electrical length of said line without changing the physical length thereof including a dielectric body having a different dielectric constant than that of the insulation between said conductors



and means for varying the immersion of said body in the field between said conductors, said dielectric body having conductive coatings in contact with each of said conductors said coatings being so arranged as to be effective over only that portion of the dielectric which is in said field.

2,297,517
ART OF PRODUCING SOUND FILMS
Hugo Westerkamp, Cologne-Braunsfeld, Germany; vested in the Alien Property Custodian
Application August 6, 1940, Serial No. 351,566
In Germany September 26, 1939
3 Claims. (Cl. 18—44.5)



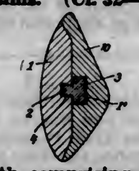
1. A method for producing a duplicating matrix from a wax ribbon having a mechanical sound record upon the surface thereof, which comprises repeatedly applying thin layers of a liquid gelatine material to the surface of the wax ribbon and effecting a hardening of each individual layer by the action of the hardening agent and the substantially complete drying thereof prior to the application of the succeeding layer, said repeated application and drying being continued until the desired thickness has been established, and withdrawing the ribbon-like film from the wax ribbon as a matrix for producing duplicate copies.

2,297,518
VARIABLE SPEED HYDRAULIC POWER TRANSMISSION DEVICE
Fritz Wegerdt, Chemnitz, Germany; vested in the Alien Property Custodian
Application December 13, 1940, Serial No. 370,065
In Germany December 13, 1939
4 Claims. (Cl. 103—162)



1. An hydraulic unit adapted for use as power transmission, a pump or motor comprising a stationary supporting body member, actuating means rotatably mounted in said body member, a bearing member rigidly connected to said body member, a casing member rigidly mounted on and revolving with said actuating means, a number of cylinder bores provides in said casing member, a guide member tiltably mounted in said bearing member, a thrust plate member rotatably mounted in and adapted to be tilted bodily with said tiltable guide member, said tiltable thrust plate member being operatively connected to said actuating means so as to be rotated thereby, such operative connection consisting of a member movably mounted in a slot of said thrust plate and adapted movably to embrace a flattened end portion of said actuating means, a number of pitman members universally connected each both with a socket member mounted in said thrust plate member and with a socket member mounted each in a piston adapted to reciprocate in a cylinder bore of said rotating casing member, a distribution slide face provided on a projecting portion of said stationary supporting body member and having both an inlet port and an outlet port communicating with a suction passage and respectively with a pressure passage provided in said stationary supporting body member and adapted to register in turn with slots provided in said revolving cylinder casing member so as to secure in turn a communication of the working spaces of each one of said cylinder bores with a suction passage and with a pressure passage or to have said working spaces cut off from said passages.

2,297,519
ARTIFICIAL TOOTH
Albert Werkenthin, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian
Original application November 9, 1937, Serial No. 173,661. Divided and this application May 16, 1940, Serial No. 335,619. In Germany November 19, 1936
3 Claims. (Cl. 32—10)

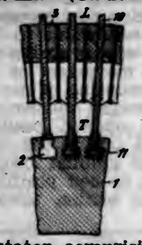


1. Artificial tooth comprising a facette and a hard metal block pin-anchored to the rear face of said facette and projecting substantially perpendicularly from said rear face, the rear face of said facette and the abutting surfaces of said hard metal block being tightly joined against penetration of fluids, and said block comprising a main body having undercut faces and at least one complementary metal piece forming said perpendicularly projecting block together with said main body.

2,297,520
PROCESS FOR THE PRODUCTION OF ε-CAPROLACTAM
Georg Wiest and Heinrich Hopff, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian
No Drawing. Application April 6, 1940, Serial No. 328,288. In Germany April 6, 1939
5 Claims. (Cl. 260—239)

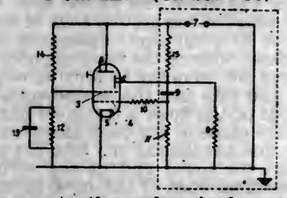
1. The process of producing ε-caprolactam by treating cyclohexanoneoxime with sulphuric acid which comprises heating the cyclohexanoneoxime to the reaction temperature and mixing each molecular proportion thereof with from about ½ to 1 molecular proportion of from 60 to 90 per cent of sulphuric acid intensely in such a manner that at any time only small amounts of the oxime and the sulphuric acid come for the first time into contact with one another.

2,297,521
COMMUTATOR
Otto Zadnik, Stuttgart, Germany; vested in the Alien Property Custodian
Application May 16, 1941, Serial No. 393,695
In Germany April 11, 1940
10 Claims. (Cl. 171—321)



8. The commutator comprising, in combination, a substantially cylindrical support, a plurality of commutator bars, means for supporting said bars on said support comprising a plurality of relatively thin members respectively connecting each bar with said support, said members being spaced from one another to form longitudinal air-cooling canals extending beneath the commutator bars, and supporting each bar along its entire length, insulating means filling up the spaces between adjacent commutator bars, and insulating means between each connecting member and the support.

2,297,522
GENERATION OF SAW-TOOTH SYNCHRONIZED VOLTAGES
Giuseppe Zanarini, Turin, Italy; vested in the Alien Property Custodian
Application June 14, 1940, Serial No. 340,617
In Italy June 23, 1939
3 Claims. (Cl. 250—36)

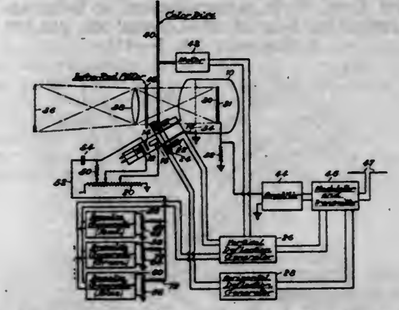


1. In a saw-tooth synchronized wave generator, in combination a secondary emission high-vacuum thermionic tube including a primary cathode, a control grid, a screen grid, a secondary cathode emitting secondary electrons, and an anode, in the order named, means for conveying the electrons emitted by the primary cathode through the control grid and screen grid and means for conveying the secondary electrons to the anode; a reactive circuit generating impulse waves of a constant magnitude and considerable energy, in which the reactive effect is obtained by utilizing the negative resistance offered under certain feed conditions by the secondary cathode-primary cathode path in said secondary emission tube, said circuit being connected to the electrodes of the secondary emission tube comprised between the primary cathode and the secondary cathode both included; means for synchronizing said impulses by external impulses containing less energy and actuating said electrodes; a saw-tooth generating circuit formed by the internal anode resistance of the secondary emission tube, its value being controlled by the impulses generated by the reactive circuit through the electronic coupling existing between the secondary cathode and the anode of said tube and by a capacity connected between the anode and primary cathode in said tube, said capacity being periodically charged by the current flowing through a resistance connected to said capacity and to a source of direct voltage, and discharged by said internal anode resistance of the secondary emission tube, the discharge effect prevailing during said synchronized impulses and the charge effect prevailing during the time intervals between two successive impulses.

2,297,523
TITANIUM DIOXIDE PIGMENT AND METHOD OF MAKING SAME
Benjamin Wilson Allan and William Everett Land, Baltimore, Md., assignors to American Zirconium Corporation, Baltimore, Md., a corporation of Maryland
No Drawing. Application October 14, 1941, Serial No. 414,974
20 Claims. (Cl. 106—300)

1. A pigment comprising titanium dioxide pigment the particles of which have deposited upon the surface and within the interstices thereof the solid product of the complete hydrolysis of a salt of a metal other than titanium whose hydroxide is white.

2,297,524
COLOR TELEVISION SYSTEM
Earl I. Anderson, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 20, 1941, Serial No. 398,899
8 Claims. (Cl. 178—5.4)

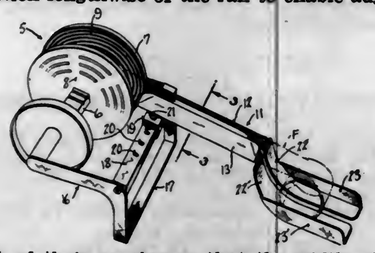


1. A television transmitting system including a transmitting tube having a light responsive electrode, an optical system for projecting a light image upon the light responsive electrode along an optical axis, a plurality of differently colored light filters, means for successively interposing the light filters in the optical axis, means in said transmitting tube for producing a scanning beam of electrons, and means for altering, within predetermined operation limits, the current intensity of the beam of electrons in synchronism with the successive interposition of the light filters in the optical axis.

2,297,525
FILM GUIDE
Ernest A. Anheuser, Milwaukee, Wis.
Application January 16, 1941, Serial No. 374,609
4 Claims. (Cl. 242—76)

1. In combination with a film holding reel of the type used in film developing tanks, and which comprises a hub and a pair of spaced flanges

mounted on the hub in a manner enabling adjustment of their spacing, said flanges having spiral film tracks on their inner faces: a guideway along which film may be slid for application to the reel, said guideway comprising complementary tracks adapted to slidably receive the opposite side edges of the film; a supporting rail; means mounting the complementary tracks on the rail for relative translating motion in a direction lengthwise of the rail to enable adjust-



ment of their spacing so that the width of the guideway may be coordinated with the spacing of the reel flanges and set to a width less than that of the film and no greater than the clearance between the flanges to bow the film transversely to an overall width readily receivable between the flanges; a supporting structure carrying said rail; and means on the supporting structure rotatably mounting the reel in position to receive film from the guideway.

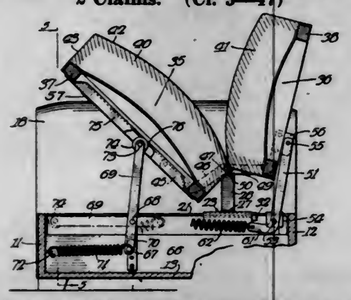
2,297,526

SOFA-BED

Matthew F. Bayer and John S. Petersen, Kenosha, Wis., assignors to Simmons Company, New York, N. Y., a corporation of Delaware

Application July 13, 1940, Serial No. 345,300

2 Claims. (Cl. 5—47)



2. A convertible couch comprising a seat section, a back section, a hinge connecting said sections for relative folding movement on a horizontal axis substantially coinciding with the upper rear edge of the seat section and the lower front edge of the back section, a bedding box, means for mounting said hinge on said bedding box for movement forwardly and rearwardly relative to the base, whereby said seat and back sections are adjustable from normal seat and back position on said bedding box to co-planar bed position thereon, means for releasably holding said sections in normal seat and back position, said seat section, when in seat position, being swingable upwardly at its front edge to an open position for affording access to said bedding box, and means for supporting said seat section in such open position comprising an arm pivoted to said base and having a free end engaging a portion of said seat section, said means comprising an arm pivoted to said base and having a free end engaging a portion of said seat section, spring means normally urging said arm to swing upwardly at its free end, thereby to counterbalance the weight of said seat section so as to facilitate upward swinging thereof, and a track carried by said seat section for engagement with said free arm end, said spring actuated arm and said track being so arranged that said arm is automatically returnable to lowered position against the force of said spring means as an incident to closing movement of the seat section about the pivot mounting of the seat section and incident to horizontal movement of said seat section while in opened position, the return movement of said arm in the latter event serving also to permit gradual lowering of the seat section to closed or bed position as horizontal movement of the section toward bed position progresses.

2,297,527

SAFETY MATCH BOOK

John Howard Behan, Woodside, Long Island, N. Y.

Application March 28, 1941, Serial No. 385,768

1 Claim. (Cl. 206—29)



As a new article of manufacture, a match book constructed with a departure from the conventional by having the front cover flap thereof permanently secured in closed position and the rear body section slit adjacent the upper end of the book on a line paralleling the upper and lower edges of the book, and also slit inwardly from one longitudinal edge thereof on a line continuing from the inner end of the first slit and terminating short of the bottom edge of the book, and with the first slit line continuing through the longitudinal edge of the book opposite to the second-named slit whereby to provide within the confines of said slits and the second-named longitudinal edge of the book a bendable flap bendable out of the plane of the book along an imaginary crease line paralleling the first slit and extending from the lower end of the second slit to the longitudinal edge of the book farthest remote from the second slit.

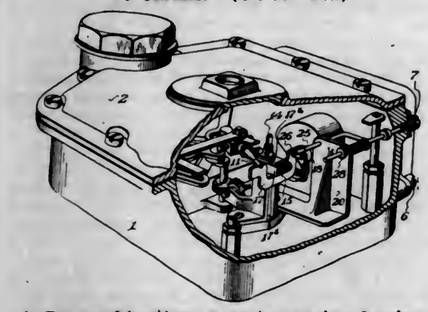
2,297,528

FRAUD PREVENTION DEVICE FOR METERS

Henry Barto Bell, Tulsa, Okla.

Application December 12, 1941, Serial No. 422,775

10 Claims. (Cl. 73—272)



1. In combination, a meter casing having an index box, meter mechanism in said casing, an index mechanism secured in said box, a cover on said box for said index mechanism, screws securing said cover to said box, latching mechanism, normally inoperative, for preventing the operation of said meter mechanism, and means operative in response to the removal of one of said screws to render said latching mechanism operative to prevent the operation of said meter mechanism.

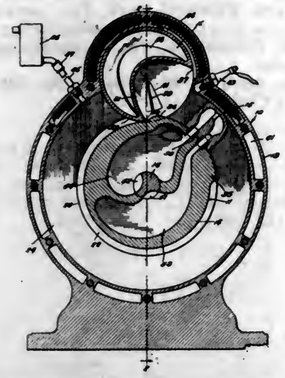
2,297,529

ROTARY MOTOR

Frank Berry, Corinth, Miss.

Application January 2, 1941, Serial No. 372,923

2 Claims. (Cl. 121—71)



1. In a rotary motor comprising a casing having an annular peripheral chamber and an inner chamber of relatively narrower width than said peripheral chamber and communicating therewith, a shaft journaled in said casing, a cylindrical rotor on said shaft rotatively mounted in said inner chamber, the cylindrical radius of said rotor being less than the radius of said inner chamber forming an annular space about said rotor, a piston radially extending from said rotor for rotation within said peripheral chamber and of corresponding width to said peripheral chamber, ridges on said rotor for a distance on either side of the piston, filling the annular space defined by the cylindrical surface of the rotor and the projecting side walls of the inner chamber and having their upper surfaces flush with the periphery of said projecting side walls, and at their outer ends merging with the cylindrical surface of the rotor, an abutment mounted to rotate tangentially to the cylindrical surface of the rotor and having an opening to permit passing of the piston and ridges, said abutment opening having inlet and exhaust port openings therein communicating alternately with the peripheral chamber when the abutment opening is in registry with opposite sides of the peripheral chamber, the leading edge of said abutment opening coacting with one of said ridges to seal off the annular space within the inner chamber about said rotor during the travel of said leading edge from the point of peripheral contact between the abutment and rotor to the point of intersection of the surface of the abutment with the periphery of the inner chamber, and the trailing edge of said abutment opening coacting with the other ridge to seal off said annular space during the travel of the trailing edge from the opposite point of intersection of the abutment and the inner chamber to the line of peripheral contact between the abutment and the rotor.

2,297,530

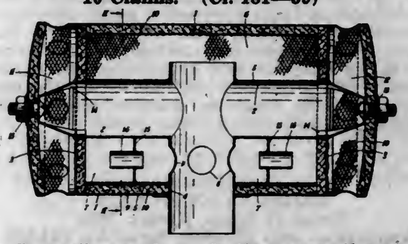
SILENCER

Joseph George Blanchard, London, England, assignor of one-half to Cecil Gordon Vokes, Putney, London, England

Application July 14, 1941, Serial No. 402,399

In Great Britain July 4, 1940

10 Claims. (Cl. 181—59)



1. In a silencer for pulsating gases the combination of an inlet tube for passage of the gases, a cylindrical second tube surrounding said inlet tube eccentrically and defining with it a substantially crescent-shaped chamber, a cylindrical third tube surrounding said second tube eccentrically and defining with it a second substantially crescent-shaped chamber, and a suction tube to the other defined tubes and having independent communications with each.

2,297,531

TERTIARY AMINES

Louis H. Bock, Glenside, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application July 16, 1940, Serial No. 345,774

16 Claims. (Cl. 260—584)

1. A method for preparing tertiary amines having two substituents carrying ether groups, which comprises reacting a member of the class consisting of anhydrous formaldehyde and polymers of formaldehyde with a monoalkylamine-formaldehyde polymer and an alcohol selected from the class consisting of primary and secondary alcohols and removing the water of reaction.

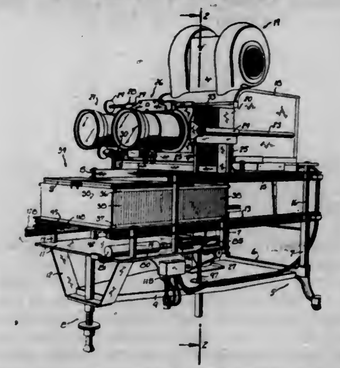
2,297,532

PROJECTOR

Robert V. Brost and Carl K. Schwartz, Elkhart Lake, Wis., assignors to Adolph L. Langenfeld, New Holstein, Wis.

Application March 9, 1940, Serial No. 323,132

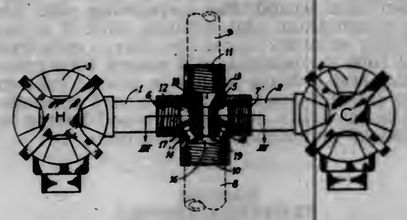
17 Claims. (Cl. 88—28)



4. In a projector, the combination of: means

for producing two separate light beams; means for projecting the two light beams onto the same area of an appropriate screen; a plurality of sets of slides, there being two slides for each set; a magazine to hold all the slides, said magazine having means defining definite locations for the sets of slides; means for moving the magazine with an intermittent motion along a defined path to successively bring each set of slides into a predetermined projection plane normal to the light beams; and means for simultaneously moving one set of slides in said plane from the carrier directly into projecting position across the light beams and for returning another set of slides from projecting position to the carrier.

2,297,533
CROSS T CONNECTION
Frank G. Brotz, Kohler, Wis.
Application July 11, 1940, Serial No. 344,883
2 Claims. (Cl. 285—219)



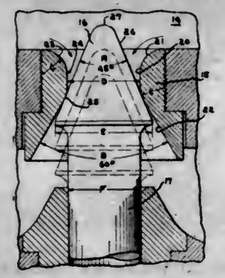
1. A cross T comprising, in combination, a pair of oppositely disposed inlet pipes, a pair of oppositely disposed outlet pipes, discharge passageways connecting said inlet pipes and one of said outlet pipes and disposed to discharge into said outlet pipe at an angle less than a right angle with respect to the longitudinal axis of said outlet pipe, a valve adapted to control the flow through said outlet pipe, and a passageway providing communication between said outlet pipe and the other of said outlet pipes and disposed substantially parallel to the longitudinal axis of said outlet pipe.

2,297,534
DISTANCE MEASURING DEVICE
Edvard Brulin, Brooklyn, N. Y., assignor of one-half to Olson Bros. Machine, Tool and Saw Co., Inc., Brooklyn, N. Y., a corporation of New York
Application August 13, 1941, Serial No. 406,669
3 Claims. (Cl. 250—1)



1. A device for measuring the distance between two objects comprising a light beam source mounted on the first object for directing a light beam at a predetermined angle towards the second object to form a spot of light thereon, a light receiving hood pivotally mounted on the first object and having a plurality of compartments open at one end thereof and closed at the opposite end and adapted to receive a ray of light reflected from the spot on the second object, and means including photo-electric cells mounted adjacent the closed ends of the compartments respectively and electrically operated apparatus connected to the photo-electric cells and controlled thereby for causing the light receiving hood to pivot in different directions when a ray of light impinges upon different photo-electric cells whereby the light receiving hood is caused to assume a predetermined angle with respect to the spot of light on the second object.

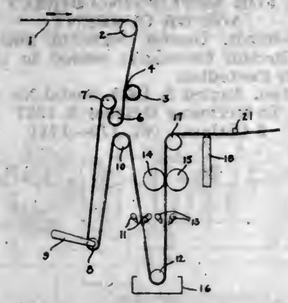
2,297,535
GOVERNING VALVE FOR PRIME MOVERS
Oxro N. Bryant, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 11, 1941, Serial No. 388,021
5 Claims. (Cl. 251—27)



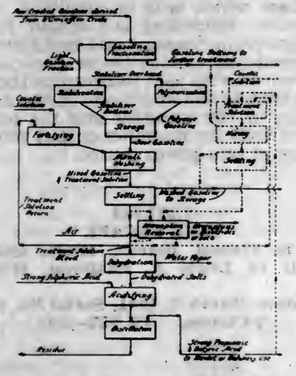
1. In a governor valve for an elastic fluid turbine, means providing an elastic fluid chamber: means for conducting elastic fluid from the chamber to the turbine and including a diffuser member: said diffuser member having a diffuser passage comprising first and second parts and the first part converging in the direction of flow to a throat and then diverging: said convergent and divergent portions of the first part of the diffuser passage being convexly curved in the direction of flow: said second part of the diffuser passage being conically divergent and merging into said curved divergent portion of the first part: and a valve member including a conical head and a stem joined to the basal end of the latter: said head diverging in the direction of flow, defining, with said second part of the diffuser passage an exit area, and defining, with said curved divergent portion an annulus area; and the angle of divergence of the head being sufficiently less than the angle of divergence of said second part of the diffuser passage to provide for a substantially constant ratio of exit area to annulus area over the whole range of lift of the valve member in order that the relation between flow and lift may remain substantially uniform.

2,297,536
COTTON FIBERS AND METHOD OF TREATING SAME
Howard M. Buckwalter, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 31, 1940, Serial No. 372,549
13 Claims. (Cl. 8—142.5)

6. A pneumatic tire having a carcass containing cords of improved tensile strength composed of grey cotton fibers which have been momentarily treated with an aqueous "alkali metal rosinate-silicate" solution.



2,297,537
PETROLEUM REFINING
Wallace A. Craig and Paul C. Rich, Los Angeles, Calif., assignors to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware
Application February 17, 1940, Serial No. 319,436
2 Claims. (Cl. 196—32)



1. In the treatment of a petroleum hydrocarbon product containing a light mercaptan and a heavy mercaptan and a mono-carboxylic acid selected from the group consisting of propionic and the butyric acids, the improvement which comprises subjecting the hydrocarbon product to fractional distillation to produce a low-boiling fraction containing the acid and the light mercaptan and a high-boiling fraction containing the heavy mercaptan, circulating an aqueous solution of alkali metal hydroxide in contact with the low-boiling fraction in a circuit to extract the acid and light mercaptan therefrom, fortifying the circulated solution by adding thereto controlled amounts of alkali metal hydroxide to maintain in the solution brought into contact with the low-boiling fraction a hydroxide concentration of about 1 normal to about 5 normal, withdrawing from the circuit controlled amounts of the solution containing the extracted light mercaptan and also containing alkali metal salt of the acids in a concentration of about 2 to about 3 gram mols per liter, and bringing the high boiling fraction into contact with the solution of the alkali metal salt thus withdrawn to extract the heavy mercaptan from the high-boiling fraction and aerating the solution to extract the mercaptan therefrom.

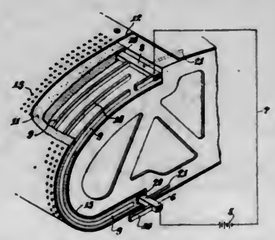
2,297,538
LIQUID OXYGEN EXPLOSIVE
Arthur Russell Taylor Dennes, Severna Park, Md., assignor to the Government of the United States of America, as represented by the Secretary of the Interior
No Drawing. Application January 8, 1940, Serial No. 312,906
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)
15 Claims. (Cl. 102—25)

1. A liquid oxygen explosive comprising carbonaceous absorbent and water and including phosphoric acid equivalent at least to one part by weight of orthophosphoric acid for each 19 parts by weight of carbonaceous material and water and at least one part by weight of water for each 50 parts by weight of dry carbonaceous absorbent.

2,297,539
POROUS CERAMIC ARTICLES AND METHOD OF MAKING THE SAME
Grant S. Diamond, Hamburg, N. Y., assignor to Electro Refractories & Alloys Corporation, Buffalo, N. Y.
No Drawing. Application May 31, 1938, Serial No. 211,043
8 Claims. (Cl. 106—71)

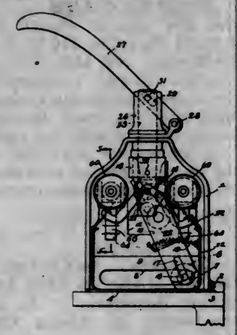
1. A porous permeable ceramic article, including granules of a sintered and crushed aluminum silicate material comprising hard dense granules and screened to pass through an approximately 14 mesh screen and to be retained on an approximately 30 mesh screen, and a bond constituting not more than one-fifth of the weight of the finished article and including approximately equal parts of a silicious material and litharge, said bond having a fusing point below the sintering temperature of said aluminum silicate material and forming vitrified envelopes of the bonding material about the particles of said sintered material and a bond between such particles.

2,297,540
PREVENTION OF ICE FORMATION
Edward A. Driscoll, Jamaica, N. Y.
Application June 5, 1941, Serial No. 396,669
4 Claims. (Cl. 244—134)



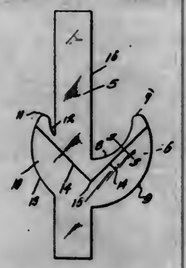
1. Means for preventing ice formation, comprising hollow grids of opposite polarity and arranged with portions of said grids in separated opposed relation, moisture absorbent material of normal electrically insulating character between the opposing portions of said grids of opposite polarity, said grids being of tubular formation, means for impressing current of opposite polarity on said grids and means for supplying moisture to the interior of said tubular grids, said grids having escape openings for such moisture.

2,297,541
PRINTING DEVICE
Richard M. Dugdale, Dedham, Mass., assignor to Farrington Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application March 29, 1941, Serial No. 385,786
4 Claims. (Cl. 101—336)



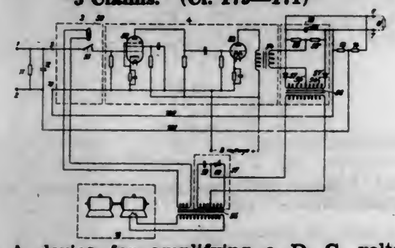
1. A device for printing names and addresses or other indicia on sales slips or the like comprising a pair of ribbon reels with a space therebetween, a ratchet wheel associated with each reel, an actuator movable back and forth in the region of said space, a pawl for each ratchet wheel, and a tumbler mounted on the actuator for moving the pawls relatively to the ratchet wheels respectively as the actuator moves back and forth, the tumbler being movable between two limited positions in each of which one pawl engages one ratchet wheel, and means on the tumbler engageable with a stop on the ribbon for shifting the tumbler from one of said positions to the other after a predetermined amount of ribbon has fed from one reel to the other, whereby the direction of ribbon feed is reversed.

2,297,542
CENTER GAUGE
Corbin W. Durham, Fullerton, Md.
Application April 24, 1941, Serial No. 390,188
5 Claims. (Cl. 33—75)



1. A tool for finding centers of circles and round work, and for erecting perpendicular lines to convex and concave contours, formed from a single blank of sheet material cut, shaped and dimensioned to provide a straight edge having integral arms extending from opposite edges thereof, said arms being curved and extended in the direction of length of the straight edge, and respectively terminating at points laterally spaced equidistantly from one longitudinal edge of the straight edge; said arms terminating in the plane of an imaginary line drawn at right angles transversely through the straight edge.

2,297,543
DEVICE FOR AMPLIFYING DIRECT VOLTAGE OR CURRENT
Rolf Eberhardt, Gunter Nüsslein and Helmut Rupp, Berlin, Germany; vested in the Alien Property Custodian
Application August 3, 1939, Serial No. 288,236
In Germany October 9, 1937
5 Claims. (Cl. 179—171)



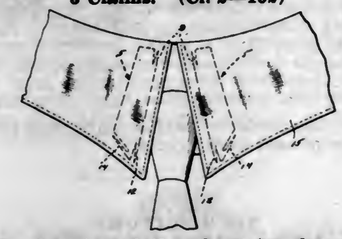
1. A device for amplifying a D. C. voltage comprising, in combination, a periodically operated interrupter converting a D. C. voltage to an A. C. voltage; means amplifying said A. C. voltage and means rectifying said A. C. voltage; means feeding back a part of the output voltage of the rectifying means to the input of said converting means for partly compensating the D. C. voltage which is to be amplified, an A. C. power source controlling the output frequency of said converting means; said rectifying means being periodically conductive or non-conductive in synchronism with said interrupter thereby responding both to the amplitude of the A. C. output voltage of the amplifier and the phase difference between the amplifier output voltage and the voltage of said power source.

2,297,544
FIRE ESCAPE
Harland D. Elwood, Detroit, Mich., assignor of one-half to Lewis A. Eastman, Wyandotte, Mich.
Application March 7, 1941, Serial No. 382,125
7 Claims. (Cl. 227—39)



1. In a fire escape apparatus including a flexible chute, the combination of a terminal frame for said chute, said frame having means arranged to support the chute on the outside of a building, and the said frame being provided with substantial bearing members adapted to rest on the ledge of a window, and foot means adapted to ride against the outside wall of a building, said bearing means and said foot means being adapted to carry the principal weight and thrust of said frame while the chute is in use.

2,297,545
COLLAR ATTACHMENT
Jacob Feldbin, Coxsackie, N. Y.
Application March 28, 1941, Serial No. 385,742
3 Claims. (Cl. 2—132)

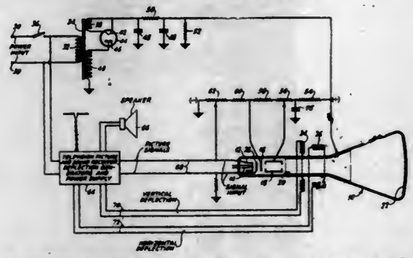


1. In a device of the character described, a relatively flat, longitudinally tapered body provided at opposite ends thereof and adjacent one of the longer sides of the body with pointed penetrating prongs respectively coplanar with the body and coterminous with the end edges of the body, and said body at the major end thereof provided with a diagonal slot presenting at the extreme edge of said major end a pointed penetrating prong extending substantially diagonally of said body.

2,297,546
REFRACTORY CASTING
Theodore Estes Field, Louisville, Ky., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware
No Drawing. Application July 19, 1941, Serial No. 403,238
4 Claims. (Cl. 106—57)

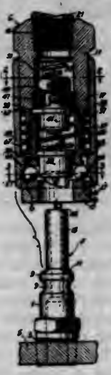
1. A heat cast refractory consisting of zirconia, chromic oxide, alumina and iron oxide, and in which any silica present amounts to less than 4% by weight and the mols of iron oxide are less than the sum of the mols of the alumina plus chromic oxide.

2,297,547
TELEVISION POWER SUPPLY
Dudley E. Foster, South Orange, N. J., and John A. Rankin, Port Washington, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application December 31, 1940, Serial No. 372,690
1 Claim. (Cl. 250—27)



A power supply for a television receiver including a rectifier and a filter network for supplying a source of direct current potential, a voltage divider connected across said source of potential including a plurality of resistor elements, a cathode ray tube including a cathode, a first accelerating anode and a second accelerating anode, means for connecting said second accelerating anode to the positive potential end of the voltage divider, means for connecting the first accelerating anode to one of the resistor elements of the voltage divider means for connecting the cathode to the voltage divider near the negative end thereof, and a condenser directly connected between the negative end of the voltage divider and a point along the voltage divider near where the first accelerating anode is connected whereby when a source of potential is applied to the voltage divider from the rectifier the potential applied to the first accelerating anode will gradually increase in a positive direction at a rate determined by the size of the condenser and the resistance of the voltage divider through which it is charged.

2,297,548
COUPLER
Alexander P. Fox, University City, and Rudy F. Schneller, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application September 22, 1941, Serial No. 411,842
2 Claims. (Cl. 285—169)



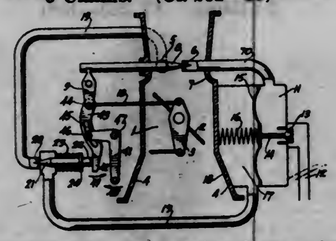
2. In a coupler having a cylinder for receiving a grooved fitting and having independently biased and moving sleevees inside and outside respectively, opposite slots in the cylinder located in a plane normal to the axis of the cylinder, rollers having axes respectively in the planes of the slots and movable laterally and being oppositely and tangentially engageable at their central portions with said grooves, spaced cam-contacting ends on the rollers, and circular cam means carried within the outer independently movable sleeve engaging the spaced cam-contacting means on each of said rollers to force them inward when cleared by the inner sleeve, whereby the rollers rest centrally in said groove and are pressed at their cam-contacting ends to form the equivalents of centrally loaded oppositely reacting beams in their gripping action upon the fitting.

2,297,549
METHOD OF APPLYING CEMENT COATING
William V. Friedlaender, Chicago, Ill., assignor to Universal Atlas Cement Company, a corporation of Indiana
No Drawing. Application August 18, 1941, Serial No. 407,355
8 Claims. (Cl. 117—54)

1. The method of applying a cement coating to a surface to be coated which includes the steps of impregnating with water the body of the material immediately below the surface to be coated, applying a fluid slurry consisting of a mix-

ture of cement and water to the surface so as to obtain the desired thickness of coating thereon, applying a thin film of oil over said fluid slurry immediately after it has been applied so as to prevent loss of water from said slurry by evaporation, and finally exposing the coated surface to an atmosphere saturated with water with said atmosphere having a temperature for inducing prompt hardening of the slurry so as to provide a uniform hardened coating on said surface.

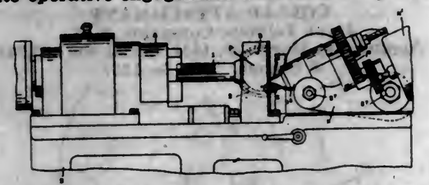
2,297,550
CARBURETOR
Paul Xavier Auguste Gistucci, Paris, France, assignor to Societe Generale Des Carburateurs Zenith, Geneva, Switzerland, a corporation of Switzerland
Original application August 22, 1935, Serial No. 37,274. Divided and this application August 4, 1939, Serial No. 288,278. In Belgium August 30, 1934
5 Claims. (Cl. 261—59)



5. A charge forming device for an internal combustion engine, including an air supply passage, flow restricting means including a throttle in said passage, a fuel nozzle discharging in said air passage, a fuel chamber supplying fuel to said nozzle and provided with an inlet, and means for variably restricting the inflow of fuel to said chamber to control the richness of the mixture comprising a valve in said inlet, a variable pressure air chamber, diaphragm means subjected to the pressures in said fuel and air chambers for actuating said valve, means for transmitting suction from a region of depression in said air passage to the variable pressure chamber, means for bleeding air into said chamber, and means for varying the relative effectiveness of said transmitting means and said bleeding means to control the pressure in the air chamber comprising a sealed chamber having a yielding wall responsive to variations in the density of the air in the supply passage resulting from variations in altitude, a member controlled in accordance with throttle position, and valve means actuated by said yielding wall and by said member whereby the pressure in the air chamber will be varied by change in altitude and by change in throttle position.

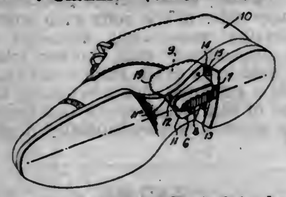
2,297,551
MACHINE FOR CUTTING ARCUATE INTERNAL GROOVES IN HOLLOW MEMBERS
William G. Greve, Detroit, Mich., assignor to The Gear Grinding Machine Company, Hamtramck, Mich., a corporation of Michigan
Application April 23, 1941, Serial No. 390,003
8 Claims. (Cl. 77—5)

1. In a grooving machine, a rotatably adjustable holder for a hollow work member, a segmental spherical rotary cutter, and means for reciprocating said cutter through an arcuate path from a position without said hollow member into operative engagement with an inner portion



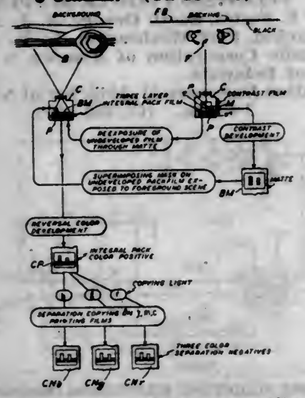
thereof, the center of said arcuate path lying in the axis of said work holder.

2,297,552
ARCH SUPPORT
Einer F. Hansen, Detroit, Mich.
Application October 6, 1941, Serial No. 413,729
7 Claims. (Cl. 36—76)



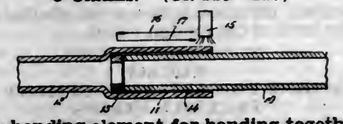
1. In an arch support adapted to be worn on the exterior of a shoe, the combination of a base adapted to be secured to the sole of the shoe, a channel member depending from said base, a resilient pad secured in said channel, and an upwardly extending flange adapted to support a portion of the side of the shoe.

2,297,553
COMPOSITE COLOR PHOTOGRAPHY
Wilmore C. Harcus, Van Nuys, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles (Hollywood), Calif., a corporation of Maine
Application May 1, 1940, Serial No. 332,745
3 Claims. (Cl. 88—16)



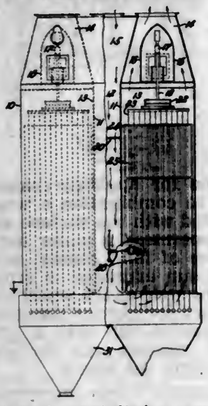
1. In the art of making composite photographic records of two object fields with mattes for masking selected picture portions during exposure, the method of producing pictures in natural colors which comprises illuminating a foreground field and a backing therebehind to degrees bringing the light reflection values from all points of the backing below the lowest value of the reflection of similar light from the foreground field, making in one component of an image carrying beam latent color separation records of said foreground field against said backing, simultaneously exposing in another component of said beam on a separate support a further latent record of said foreground field against said backing, photographically preparing from said further record a silhouette matte of maximum contrast between portions exposed with light from said foreground field and portions exposed with light from said backing, and exposing said latent records through said matte to a background field.

2,297,554
WELDING
Charles Hardy, Pelham Manor, and Raymond L. Patterson, New York, N. Y., assignors to Hardy Metallurgical Company, New York, N. Y., a corporation of Delaware
Application February 29, 1940, Serial No. 321,368
3 Claims. (Cl. 113—110)



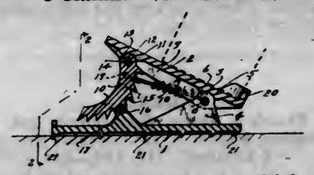
1. A bonding element for bonding together two interfitting metallic members, said element being shaped to fit adjacent the space between the interfitting members in which the bond is to be formed and comprising a substantially porous but coherent mass of copper powder containing phosphorus in proportions ranging from 5% to 10% by weight, the porosity being from 5% to 40% of the volume of the element.

2,297,555
ELECTRICAL PRECIPITATOR
Carl W. J. Hedberg, Bound Brook, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application August 5, 1940, Serial No. 351,465
3 Claims. (Cl. 183—7)



1. An electrical precipitator comprising a casing, substantially vertical partition members within said casing extending from the top of said casing to a point adjacent to and spaced from the bottom of said casing to provide at least one duct extending from the top of said casing to the bottom portion thereof and at least one treating chamber open to the bottom portion of said casing, spaced discharge electrode and collecting electrode assemblies within said chamber, conduit means for supplying gases to be treated to the upper portion of said duct from directly above said casing, conduit means for withdrawing treated gases from the upper end of said chamber, means providing a box extending across the upper portion of said treating chamber and communicating with said chamber solely through openings in the bottom of said box, and discharge electrode supporting and power supplying means in said box and extending through said openings to support and energize the discharge electrode assembly in said treating chamber.

2,297,556
ADJUSTABLE BASE SUPPORT FOR JACKS
Petter M. Hermann, Portland, Oreg.
Application November 3, 1941, Serial No. 417,693
3 Claims. (Cl. 248—346)



1. An adjustable support for vehicle and like jacks, comprising a base, a sub-base swingingly connected at one end to the base and free at the opposite end, the sub-base providing a relatively broad face to receive and support a vehicle jack, and cooperating elements on the adjacent faces of the base and sub-base and underlying the free end of the sub-base to fix the sub-base in selected angular relation to the base, said cooperating elements including a tooth-like projection on the upper surface of the base, and a serrated bar pivotally connected to the under surface of the sub-base in position to interlock with the projection and hold the sub-base in any one of a plurality of different positions relative to the base.

2,297,557
FUNGICIDAL DERIVATIVES OF ACETANTHRANILIC ACID
William F. Hester, Drexel Hill, and W E Craig, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa.
No Drawing. Application August 1, 1941
Serial No. 404,970
5 Claims. (Cl. 167—30)

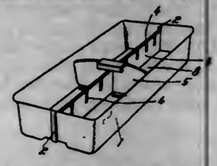
1. A fungicidal composition containing as an active fungicidal agent an acetanthranilate selected from a member of the class consisting of acetanthranilic acid and salts of acetanthranilic acid.

5. As a new composition of matter, copper acetanthranilate.

2,297,558
ICE TRAY
Rudolf Hintze, Berlin-Charlottenburg, and Helmut Glombitza, Berlin-Spandau, Germany; vested in the Alien Property Custodian
Application October 20, 1939, Serial No. 300,342
In Germany October 5, 1938
10 Claims. (Cl. 62—108.5)

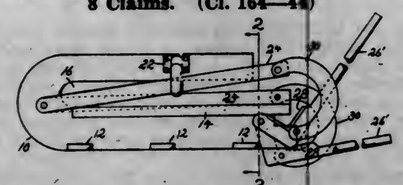
1. A device for producing ice cubes comprising a relatively rigid non-deformable container, a relatively rigid longitudinal partition and a plurality of transverse partitions in said container for dividing the interior thereof into individual

cells, each said transverse partition being relatively rigid and non-deformable and having a straight central portion and being individually separable from the longitudinal partition and individually removable from the container while the other partitions remain therein, and each said transverse partition having an integrally



formed lateral extension at its lower extremity which extends parallel to and normally rests on the bottom of the container, whereby when any transverse partition is raised from the container the ice cubes directly above the extension of such partition are raised also.

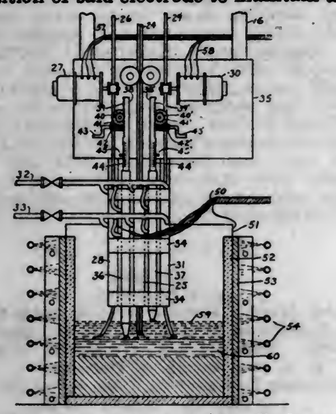
2,297,559
SHEAR
Frank L. Hoess, Hammond, Ind.
Application August 8, 1941, Serial No. 406,018
8 Claims. (Cl. 164—44)



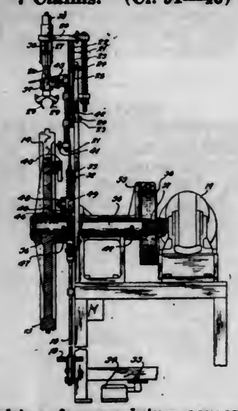
1. In a shear, a U-shaped body, a stationary blade secured to said body, a movable blade operably secured to said body, said movable blade being adapted to be moved into shearing engagement with said stationary blade on a downward stroke, a recessed anvil secured to said body at the front end of said stationary blade, certain edges of said recessed anvil being formed to provide horizontal and vertical cutting edges, a second movable cutting member positioned to shearingly engage the horizontal and vertical cutting edges of said anvil on an upward stroke, and link means secured to said first and second named blades for moving one of said movable blades away from its associated stationary blade as the other movable blade is moved toward its associated stationary blade.

2,297,560
APPARATUS FOR PRODUCING METAL BODIES
Robert K. Hopkins, New York, N. Y., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application November 13, 1940, Serial No. 365,411
7 Claims. (Cl. 22—58)

5. In metal producing apparatus adapted to provide a body of molten metal whose top surface is covered by a depth of molten flux, the level of the molten metal being subject to variation, a substantially non-consumable electrode adapted to discharge electric current through a gap between its end and the surface of said flux, an electric circuit including said non-consumable electrode and said flux, means for indicating characteristics of said electric circuit, means for indicating variations in the level of the molten metal, and means for adjusting the vertical position of said electrode to maintain a predetermined distance between its discharge end and the level of the molten metal.



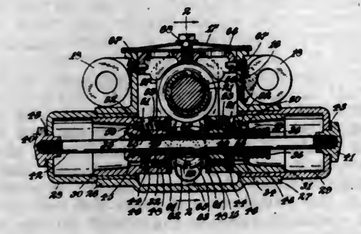
2,297,561
MACHINE FOR APPLYING CEMENT TO FLEXIBLE STRIPS
John Janoskovits, Detroit, and William D. Chilton, Royal Oak, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 28, 1940, Serial No. 363,160
7 Claims. (Cl. 91—43)



1. A machine for applying cement to flexible strips having in combination a wheel on which the strip is fitted with the surface which receives the cement uppermost, a motor for rotating the wheel, a source of fluid cement under pressure and a cement gun arranged to project the fluid cement onto the strip as the wheel revolves, and a switch and valve control for simultaneously connecting the cement gun with a source of fluid cement under pressure and for energizing the motor for rotating the wheel.

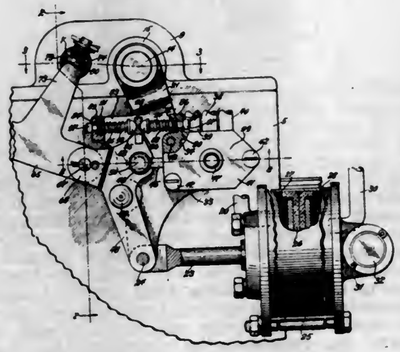
2,297,562
SHOCK ABSORBER
Ernest William Johnson, Birmingham, England, assignor of one-half to Vanderwell Products Limited, London, England, a British company
Application April 18, 1941, Serial No. 389,249
In Great Britain March 13, 1940
15 Claims. (Cl. 188—88)

1. In a shock absorber in which fluid friction is employed for damping, the combination of a casing embodying two fluid containers, a piston reciprocable in one of said containers and having a perforation extending through it from end to end, a metering rod enclosed within said casing, which rod reaches into said perforation in such manner that the piston reciprocates along the metering rod, the opposed surfaces of which per-



foration and metering rod provide between them a restricted passage connecting the said fluid containers, through which passage the fluid is forced by the said piston, detachable caps on the casing one opposite each end of the metering rod and means whereby both of said caps are secured to said rod to be tied together by the latter.

2,297,563
GEAR SHIFTING MECHANISM
Elmer G. Kesling, Bloomfield, Mo.
Application March 13, 1939, Serial No. 261,445
22 Claims. (Cl. 74—335)



1. Gear shifting mechanism of the character described comprising selective shifter elements, a spindle mounted for longitudinal and turning movements for selectively shifting said elements, an actuating shaft mounted for turning movements only, gearing for turning said spindle by said actuator shaft, an operating shaft supported for longitudinal and turning movements, crank arms attached to said shafts respectively, a pivotal support, a link member connected with said support and said crank arms for oscillating and longitudinal movements, and a lateral projection from said link member connected with said spindle and leaving said link free for oscillating and longitudinal movements to move said spindle longitudinally and to turn said actuator shaft when said link member is oscillated and moved longitudinally as aforesaid.

2,297,564
MANUFACTURE OF CHLORINATED ALIPHATIC HYDROCARBONS
Frederick William Kirkbride, Runcorn, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 19, 1938, Serial No. 230,739
In Great Britain September 30, 1937
5 Claims. (Cl. 260—654)

1. A method of manufacturing chlorinated aliphatic hydrocarbons which have at least five carbon atoms which comprises reacting carbon tetrachloride with dichlorethylene in the presence of a Friedel-Crafts catalyst at a temperature between 45° C. and the boiling point of the reaction mixture.

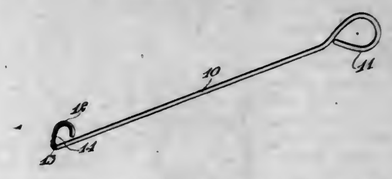
2. A method of manufacturing chlorinated aliphatic hydrocarbons which have at least five carbon atoms which comprises reacting carbon tetrachloride with dichlorethylene in the presence of a Friedel-Crafts catalyst at a temperature between 45° C. and the boiling point of the reaction mixture and further chlorinating the resulting condensation product.

2,297,565
BISCUIT AND COOKY CUTTER
Henry F. Kors, Chicago, Ill.
Application March 24, 1941, Serial No. 384,908
15 Claims. (Cl. 30—316)



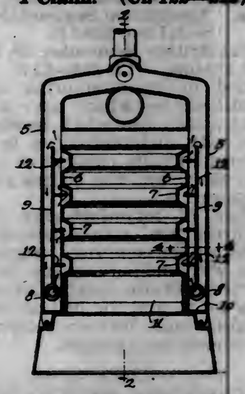
1. A culinary utensil of the character described, comprising a generally spirally curved flexible blade having free end portions in slidable overlapping relation, means providing a handle portion on the blade at a point intermediate the ends thereof substantially diametrically opposite said free end portions, and means providing a handle portion on the radially outer one of the free end portions of said blade.

2,297,566
BIRD PERCH CLEANER
Peter Laux, Chicago, Ill.
Application January 16, 1941, Serial No. 374,774
5 Claims. (Cl. 30—169)



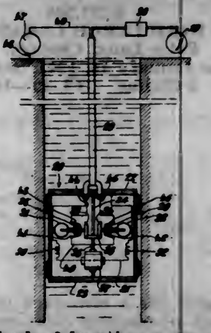
1. A cleaner for a bird cage perch, the latter being a stick of circular cross-section, comprising a rod formed at one end with a scraper, and the latter having an arched form dimensioned to fit the curvature of said stick when mounted transversely upon the same, the rod being of circular cross-section, the scraper being a continuation of the rod, and the inner portion of the scraper being tapered to an edge.

2,297,567
HOT WATER OR STEAM BOILER
Elmer Jesse Lee, Bangor, Pa., assignor of one-third to Robert R. Schultz, Bangor, Pa.
Application July 23, 1940, Serial No. 347,004
1 Claim. (Cl. 122—225)



A boiler of the class described, comprising spaced outer and inner walls, the inner wall having inwardly extended offset portions providing vertically spaced horizontal grooves extending around the inner wall, vertical partitions mounted within the space between the outer and inner walls and spaced from the outer and inner walls, wide ribs extending inwardly from the partitions and disposed in the grooves in spaced relation with the walls of the grooves, providing an inner irregular passageway, and an outer passageway, a feed pipe adapted to direct water to the lower end of the passageways to flow upwardly through the irregular passageway and downwardly through the outer passageway, whereby the inflowing water is preheated on its upward passage through the irregular passageway.

2,297,568
SPONTANEOUS POTENTIAL BY INDUCTION
Eugene G. Leonardon, Houston, Tex., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application February 25, 1939, Serial No. 258,561
19 Claims. (Cl. 175—182)



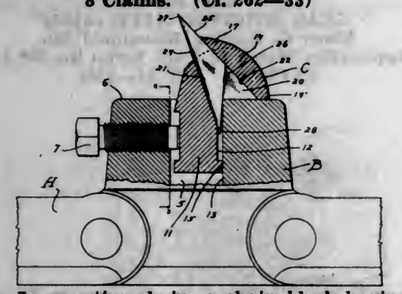
15. The method of locating porous earth formations traversed by a bore hole, which comprises the steps of obtaining indications of the magnetic field produced in the bore hole by spontaneous currents flowing in the vicinity of the boundary between adjacent formations of different porosity.

2,297,569
HEIGHT BLOCK
Charles Edwin Lloyd, Langley, England
Application December 2, 1941, Serial No. 421,383
In Great Britain December 12, 1940
3 Claims. (Cl. 33—168)



1. A height block formed as a casting comprising a flat surface plate at the top and a flat surface plate at the bottom, a channel shaped web at each opposite side connecting the top and bottom plates forming a space between the back of the channels and with the side flanges of the channels passing diagonally to the adjacent respective corners of the plates and cross webs connecting the backs of the channels, at the junction with the surface plates, with the inner faces of the surface plates.

2,297,570
BIT HOLDER FOR CUTTER CHAINS
Armistead R. Long and John B. Long, Fayetteville, W. Va.
Application March 8, 1941, Serial No. 382,422
8 Claims. (Cl. 262—33)

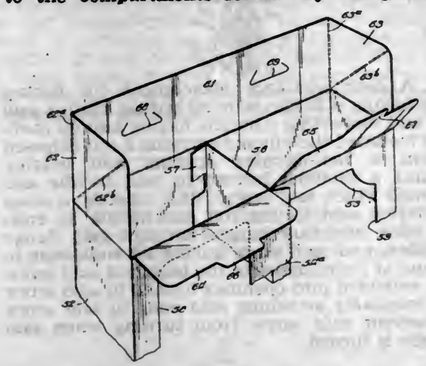


1. In a cutter chain, a chain block having a socket including a rear wall, a bit holder having a shank fitting in the socket, a bit receiving aperture in the holder and opening at one end thru the rear side of the shank, a double pointed bit fitting in the aperture and having its inactive cutting point protruding from the rear side of the shank, a lug projecting from the rear side of the shank at the inner end of the shank, and means for clamping the shank in the socket whereby said lug will contact the rear wall of the socket, and the bit, at a location spaced from its inactive cutting point will also contact the said rear wall with said inactive cutting point free of contact with both the shank and the chain block.

2,297,571
CARTON
Roy E. Lowey, Evanston, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application September 29, 1939, Serial No. 297,040
1 Claim. (Cl. 229—27)

A two-compartment, folding carton formed from a single blank of resilient paperboard, the blank being formed with score lines defining a common side wall for both compartments, edge walls on each side of the common side wall, a

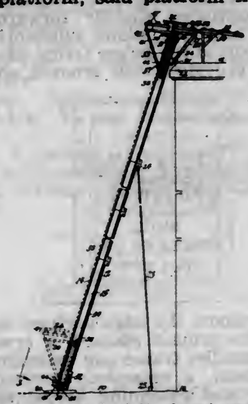
panel on the extremities of each edge wall, said panels being adapted, when joined, to form the other side wall, a partition panel on the outer edge of one panel forming part of the two-panel side wall, means on the partition adapting it to be secured to the common side wall, an extended portion on the other panel of the two-panel side wall adapting it to be secured to its companion panel, integrally joined closure-forming extensions carried by the common side wall and the edge walls, the extension on the common side wall being adapted to fold down to closure-forming position to lie substantially in the plane defined by the edges of the common side wall, the two-panel side wall, the edge walls and the partition, the panels forming the two-panel side wall each having a closure flap thereon adapted to overlie the closure forming extension on the common side wall, said closure flaps each having a centrally positioned, relatively short, rigid locking tab on their free edge and the closure forming extension on the common side wall being formed with two slits, each centrally located with respect to the compartments formed by the partition



panel, said slits being adapted to receive the respective locking tabs on said locking flaps upon inward deflection of the slit portions of the closure-forming extension on the common side wall somewhat beyond the plane defined by the edges of the side and edge walls and partition, the extensions on the edge walls being each formed with a diagonal score extending from the corner of the side wall to the edge of the extension at an angle of approximately forty-five degrees, whereby the edge wall extensions are adapted to be folded down to lie against the inner surface of the common side wall extension upon its being brought down to closure-forming position and serving substantially positively to support the external edges of said closure forming extension and offering resistance, together with the edge of the partition, to the inward deflection of the slit portions thereof, whereby after a locking tab has been received within its companion slit, release of pressure from the closure-forming extension will cause the deflected parts to return to the plane defined by the edges of the side wall, edge walls and partition with the closure-forming extension pressed outwardly in face to face contact against the opposite closure flap.

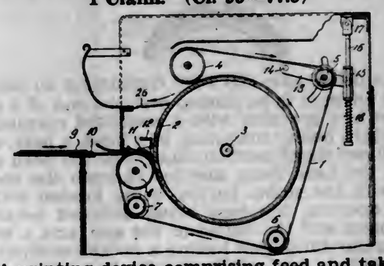
2,297,572
HOISTING APPARATUS
Charles A. Martin, Buffalo, N. Y.
Application January 14, 1942, Serial No. 426,743
8 Claims. (Cl. 187—10)

1. A portable hoisting apparatus comprising an upright frame, a platform mounted on the upper end of said frame, and a vertically movable carriage guided on said frame and adapted to register its upper side with the corresponding side of said platform, said platform having a hori-



zontal body pivoted at its front end on the upper end of said frame to turn vertically and adjusting means connecting the rear part of said body with the frame.

2,297,573
CYLINDER DRIVE MECHANISM FOR PRINTING MACHINES
Herbert G. Macdonald, Oak Park, and Paul B. Streich, Maywood, Ill., assignors to Charles Bruning Company, Inc., New York, N. Y., a corporation of New York
Application October 17, 1940, Serial No. 361,546
1 Claim. (Cl. 95—77.5)

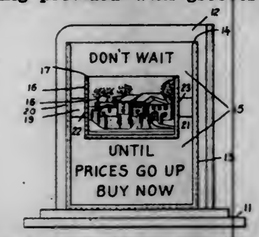


A printing device comprising feed and take-off rolls, said take-off roll being located above and to one side of the feed roll, means for driving said take-off roll, a printing cylinder, at least one band on said rolls and partially surrounding said cylinder, said rolls being spaced apart less than the diameter of said cylinder, a pivoted member disposed above said cylinder, a roll carried by said member, and spring means associated with said member to move said roll bodily upward in a direction against said band to counter-balance the weight of said cylinder and urge the cylinder at least against said feed roll.

2,297,574
CARD DISPLAY DEVICE
Willis I. McCord, Little Falls, N. J.
Application November 7, 1940, Serial No. 364,678
7 Claims. (Cl. 40—152.1)

4. An advertising card and picture display device comprising two display frames of different sizes, one a relatively large display frame pro-

vided with grooves adapted to receive and support the edge portions of a relatively large background placard, and the other a relatively small display frame appearing from in front to be disposed within the borders of said larger frame but being positioned slightly forward of the larger frame and in a plane substantially parallel to the plane of the larger frame, said smaller frame being provided with grooves adapted to



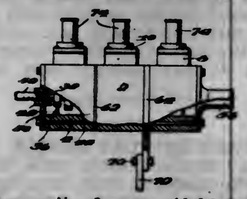
receive and support the edge portions of a relatively small foreground placard, a crossbar secured to the smaller frame and extending across the back thereof, a crosspiece secured to the larger frame and extending across the front thereof, and means securing said crossbar to said crosspiece in such manner as to permit the smaller frame to be mounted in a plurality of positions angularly with respect to the larger frame.

2,297,575
SHOTGUN SIGHT
George H. McLean, Jackson, Tenn.
Application October 10, 1941, Serial No. 414,517
4 Claims. (Cl. 33—47)



1. A detachable gun sight comprising an elastic band adapted to be slipped over the end of a gun barrel and provided with a restricted opening, a gun sight holder consisting of a head, a base, and a reduced shank portion connecting the head and base, the head being inserted through the opening with the shank portion being located within said opening, the base being disposed between the band and the barrel of the gun, and a bead of regular formation having a pocket received by the head.

2,297,576
VALVE
Leslie T. Miller, Stoneleigh, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application September 11, 1940, Serial No. 356,285
8 Claims. (Cl. 277—20)



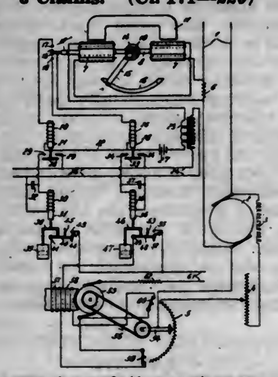
1. A valve unit of a manifold valve assembly comprising a casing with open ends of symmetrical shape about an axis normal to said open ends, said casing having a single fluid passage in a side wall thereof normal to the axis of said casing, and having a plurality of through-bolt holes formed in said casing extending parallel and symmetrically placed with respect to the axis of said casing, a camshaft extending coaxially within said casing, the length of the shaft being substantially equal to the axial length of said casing, a cam mounted on said camshaft, and a valve means adapted to be actuated by said cam to control the flow in said fluid passage.

2,297,577
COUNTERBALANCE ATTACHMENT FOR FISHING RODS
Victor Monte, Woodhaven, N. Y.
Application June 19, 1941, Serial No. 398,767
3 Claims. (Cl. 43—23)



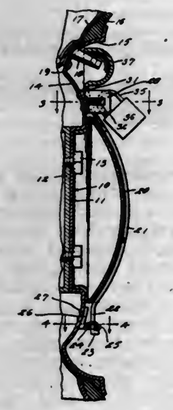
1. A counterbalance attachment for fishing rods having a flange member setting against said rod and supporting a handle having a screw movably mounted therein and carrying a nut disposed within a non-circular opening and bearing against a shoulder formed in said handle and through which said screw freely extends, a strap encircling said fishing rod and having its ends extended into said handle through said flange member, and said strap having its ends bent to extend at right angles to the length of said screw and extended into openings formed in said screw for releasably attaching said ends to said screw to prevent said screw from turning when said handle is turned.

2,297,578
AUTOMATIC CONSTANT CURRENT CONTROLLER
William Clayton Noddings, Matawan, N. J., assignor to International Smelting & Refining Co., New York, N. Y., a corporation of Montana
Application August 2, 1940, Serial No. 349,832
3 Claims. (Cl. 171—229)



1. In a current regulating system for maintaining a substantially constant predetermined current in the output circuit of a direct-current generator comprising a variable rheostat in series in the generator field circuit, and an electric series-wound motor adapted to operate the variable rheostat and provided with two opposing independent series field windings, the improvement which comprises a contact arm pivotally mounted for movement between two spaced contact points in response to variations in the current flowing through the generator output circuit, means for adjusting the position of the contact arms intermediate and out of contact with the contact points at any predetermined constant current flowing through the generator output circuit, two sensitive relays adapted to be alternatively energized by contact between the contact arm and said contact points in response to variations in the current flow through the generator output circuit, the sensitive relays being energized by a source of alternating potential in series with a source of direct potential of sufficient magnitude to inhibit improper operation of the sensitive relays in response to alternations of the alternating potential, and two delayed-break relays each capable of effecting energization of one of said two independent motor field windings in response to energization of one of the sensitive relays, each of the delayed-break relays having a delayed break of sufficient magnitude to maintain energization of each of said motor field windings for a longer period of time than the energization of the corresponding sensitive relay, whereby smooth and uniform operation of the motor is obtained.

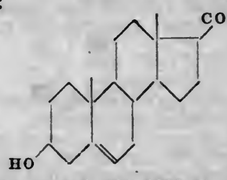
2,297,579
TIRE AND WHEEL LOCK
Hugo W. Norberg, Flint, Mich.
Application April 22, 1942, Serial No. 440,064
6 Claims. (Cl. 70—259)



4. A wheel and tire lock comprising a pair of keepers, means mounting said keepers on a wheel, an elongated locking bar, an L-shaped bolt carried by one end of said bar and engageable with one of said keepers, said bar having an opening adjacent the opposite end thereof through which the other keeper engages, said other keeper having an opening therethrough, a wedge engageable in said latter opening and bearing against the outer side of said bar, means locking said wedge against endwise movement in one direction, and a valve stem encompassing housing fixed to the opposite end of said bar.

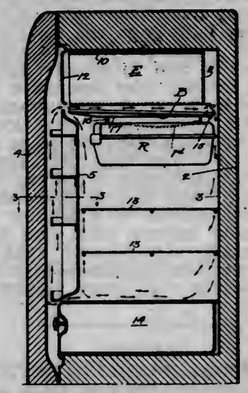
2,297,580
PROCESS FOR THE MANUFACTURE OF CARBOXYLIC ACIDS OF THE CYCLOPENTANO-POLYHYDRO - PHENANTHRENE - SERIES AND THEIR DERIVATIVES
Rupert Oppenauer, Amsterdam, Netherlands, assignor, by mesne assignments, to Roche-Organon, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application March 10, 1938, Serial No. 195,158. In the Netherlands March 17, 1937
9 Claims. (Cl. 260—397.1)

1. The methylester of hydroxy-3-aetio cholenic-acid, having the formula $C_{21}H_{32}O_3$, the structure:



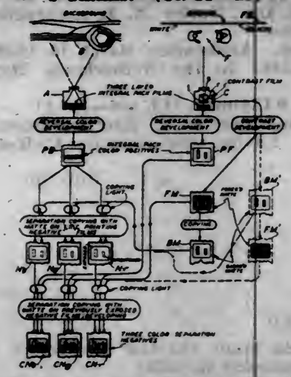
and melting point 181–183° C. (corr.), soluble in ether, insoluble in water.

2,297,581
REFRIGERATOR
Frank D. Peltier, Rydal, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application July 25, 1940, Serial No. 347,526
7 Claims. (Cl. 62—89)



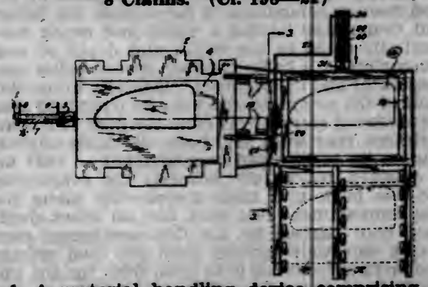
1. A domestic refrigerator comprising a cabinet providing a food storage compartment, a door opening to said compartment, a relatively shallow evaporator within the upper portion of the food storage compartment for cooling the latter, said evaporator having a width and depth substantially equal to the width and depth of said compartment, a baffle member spaced below said evaporator and extending substantially to the side walls of the compartment with its front and rear edges spaced respectively from the door and compartment rear wall, said baffle declining slightly rearwardly within said compartment so that air is directed rearwardly between the evaporator and the baffle and then downwardly along the said compartment rear wall, and an inner shelf-lined door carried by the first-mentioned door having side walls spaced from the food storage compartment side walls to form flues for the upward circulation of air from the bottom of said compartment to the evaporator.

2,297,582
COMPOSITE COLOR PHOTOGRAPHY
Gerald F. Rackett, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif., a corporation of Maine
Application May 1, 1940, Serial No. 332,747
3 Claims. (Cl. 88—16)



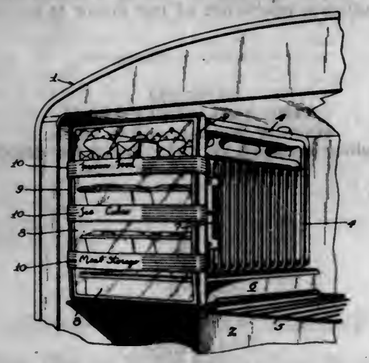
1. In the art of making composite photographic records of two object fields with mattes for masking selected picture portions during exposure, the method of producing pictures in natural colors which comprises filuminating a foreground field as well as a backing therebehind with light of similar nature containing all spectral ranges to be recorded, to degrees bringing the light reflection values from all points of the backing beyond an extreme value of the reflection of similar light from the foreground field, making color separation records joined on a single support of said foreground field against said backing, making color separation records of a background field, exposing simultaneously and in registerable relation with said joined foreground field records a matte record on a separate support of said foreground field against said backing, photographically preparing from said matte record a matte of maximum contrast between portions exposed with light of values on one side of said extreme from said foreground field and portions exposed with light of values on the other side of said extreme from said backing, and exposing said joined records through said matte.

2,297,583
MATERIAL HANDLING DEVICE
Arthur E. Rowlands, Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 3, 1940, Serial No. 350,219
8 Claims. (Cl. 198—21)



1. A material handling device comprising in combination a support upon which the material is adapted to fall by gravity, means engaging said material for a relatively short distance for moving said material when it tends upon the support a relatively longer distance, a source of power for actuating said means, and connections including a stationary control between said source of power and said means, said control being actuated by the material when the material falls upon the control to connect the source of power with said means only while the material is on said control whereby said means moves the material by giving the material a kick or quick push, said control when relieved of the material disconnecting the said means from its source of power, and a second means operative to return said first means to its starting position as soon as the material clears said control.

2,297,584
REFRIGERATOR
Theodore W. Rundell, Jenkintown, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 3, 1940, Serial No. 350,746
2 Claims. (Cl. 62—89)

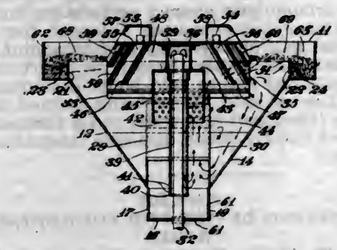


1. In a refrigerator comprising a cabinet having a food storage compartment therein with a door at the front of said compartment for access thereto; a refrigerating structure including an evaporator unit disposed within said food storage compartment and having an open front disposed adjacent the inner surface of said door when said door is closed; and a unitary closure member for the front of said evaporator unit composed of non-heat conducting material and arranged to reside closely adjacent the open front of said evaporator unit and between said unit and the inner surface of said closed door, said member completely covering the front of said evaporator unit and providing between said unit and the inner surface of said closed door a non-heat conducting shield operable to minimize the chilling of the inner surface of said closed door by said evaporator unit to thereby prevent the condensation of moisture on said inner surface, said closure member having its peripheral edge portions extended rearwardly parallel to and closely adjacent the outer walls of the evaporator unit for a short distance adjacent the front portions of said walls to substantially seal the inside of the evaporator unit against the circulation of air therethrough from the food storage compartment of the refrigerator.

2,297,585
RUBBER PRODUCTS
Thomas Lewis Shepherd, Portslade, England, assignor to The Clark Thread Company, Newark, N. J., a corporation of New Jersey
No Drawing. Original application January 22, 1938, Serial No. 186,467. Divided and this application June 30, 1941, Serial No. 400,564. In Great Britain August 4, 1935
7 Claims. (Cl. 28—1)

1. Rubber goods, such as strips, threads, filaments and the like, having a coating of an adhesive setting agent, retaining the goods under tension and substantially inelastic, and incorporating an adhesive setting agent in the body thereof, said agents being capable of dissolving without injury to said goods for imparting elasticity thereto.

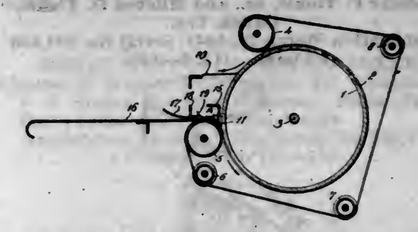
2,297,586
AERATING MACHINE
Percy Lea Steffensen, Cornwall, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application July 3, 1940, Serial No. 343,811
10 Claims. (Cl. 209—170)



1. Ore flotation apparatus comprising a cell having substantially the outline of an inverted frustrum of a pyramid, means for introducing air into the cell near the bottom thereof, an inverted bell disposed above said means having its lower edge below the normal level of the pulp in the cell to entrap air introduced into the cell through said means, a plurality of openings in the walls of said bell to permit the flow of air and pulp therethrough, a chamber open at its lower end disposed above said bell and having a pair of downwardly diverging sidewalls forming a pair of baffles, openings in said baffles disposed below the normal level of pulp in the cell, and a second pair of downwardly diverging baffles disposed outside of said first pair of baffles and in spaced relation thereto and having openings therein disposed below the normal level of pulp in the cell, the spaces outside said first pair of baffles and inside said second pair of baffles being open to the atmosphere to permit the venting of excess air.

2,297,587
PAPER FEED MECHANISM FOR PRINTING MACHINES
Paul B. Streich, Maywood, Ill., assignor to Charles Bruning Company, Inc., New York, N. Y., a corporation of New York
Application October 17, 1940, Serial No. 361,471
4 Claims. (Cl. 95—77.5)

1. A printing device comprising a band, a feed roll for positioning said band, a glass cylinder received within a portion of the band, means for driving the band and the cylinder, at least one paper smoothing member located adjacent the feed roll and resting freely on the band, and means for limiting movement of the member

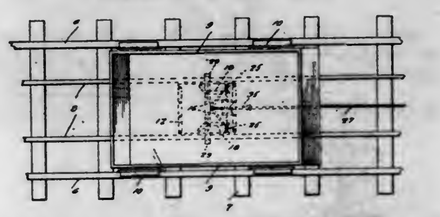


with the band, said member being otherwise free to move in any direction relatively to said band.

2,297,588
SEPARATION OF PHENOLS AND ALKYLATED PRODUCTS THEREOF
Donald R. Stevens, Wilkinsburg, and Clarence J. Livingstone, Pittsburgh, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application March 7, 1942, Serial No. 433,828
14 Claims. (Cl. 260—624)

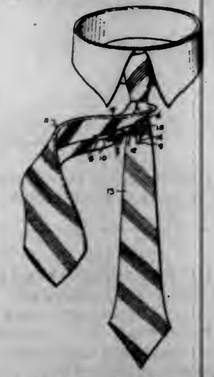
1. The process which comprises alkylating with a branched chain olefin a mixture of phenols comprising phenols of the group consisting of the methyl and the ethyl phenols having closely spaced boiling points, to give a mixture of alkylated phenols of relatively widely spaced boiling points, separating the individual components of said last-mentioned mixture and then at least partially de-alkylating a thus separated component by heating it in the presence of a de-alkylation catalyst.

2,297,589
SAFETY APPARATUS FOR MINE VEHICLES
James T. Tackett, Grass Valley, Calif.
Application August 26, 1941, Serial No. 408,401
1 Claim. (Cl. 188—168)



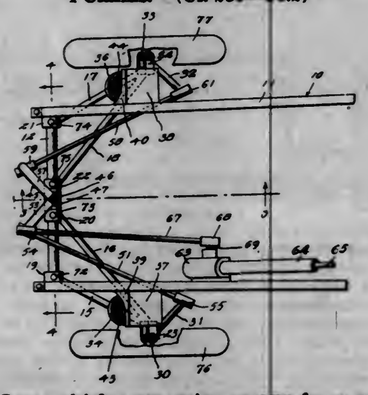
In combination, a wheeled vehicle, a trackway, brake means on the vehicle, a draft cable for the vehicle, said cable being directly connected to the brake mechanism and adapted to release said brake mechanism when under tension and to apply said brake when released, said brake mechanism comprising a pair of rockable levers having track engaging ends, spring means engaging the opposite ends of the levers for forcing the first-mentioned ends into frictional contact with the rails, toggle links connected with the levers, means connecting the cable to the toggle, spring means urging the links in a direction to apply the brake, said cable when in hauling tension moving the links in the opposite direction for releasing said brake, and means for engaging upon the opposite sides of the rails to prevent spreading of the rails upon application of the brake.

2,297,590
NECKTIE FASTENER
George F. Tinkle, Sr., and Mildred D. Tinkle, Dallas, Tex.
Application March 29, 1941, Serial No. 385,836
1 Claim. (Cl. 2—157)



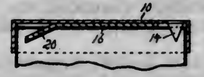
In a four-in-hand necktie, a knot retaining means comprising the combination of a fabric strip secured at its ends and midway between its ends to the underside of the overlying portion of said necktie adjacent said knot, a male snap fastening element slidably mounted on said strip on either side of its midway point of securement; a second and shorter strip of fabric secured at its ends to the outside of the underlying portion of said necktie, and a female snap fastening element mounted on said latter strip to selectively receive said male elements whereby to prohibit relative sliding movement of the portions of said tie forming said knot.

2,297,591
VEHICLE SUSPENSION DEVICE
Mike Urich, Hamilton, Ohio
Application March 21, 1941, Serial No. 384,556
4 Claims. (Cl. 280—96.2)



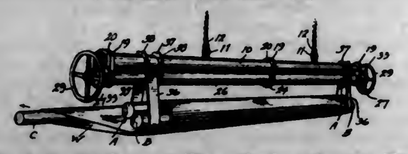
1. In a vehicle suspension means for a vehicle frame, a stationary shaft, means for mounting said shaft at the front end of the frame, two pairs of rearwardly extending oppositely disposed outwardly and downwardly inclined supporting members for the front wheels of the vehicle, the arms of each pair being rearwardly convergent, merging into each other at their rear ends and having such ends disposed outwardly with respect to sides of the frame, a bushing carried by the front end of each of said arms rockably mounted on said shaft, a spindle fork disposed outwardly in relation to a side of the frame and fixed to the merged convergent rear ends of the arms of a pair, a lower cup-shaped spring retaining element fixed to the upper face of each pair of arms forwardly of the merged rear ends of the latter and disposed outwardly in relation to a side of the frame, an upper inverted cupshaped spring retaining member arranged over each of said elements, means securing said upper members to the outer faces of the sides of the frame, and a pair of helical springs each mounted at one end in one of said elements and at its other end in one of said members.

2,297,592
CAN OPENER
Leo N. Walter, East Chicago, Ind.
Application October 20, 1941, Serial No. 415,790
4 Claims. (Cl. 30—16)



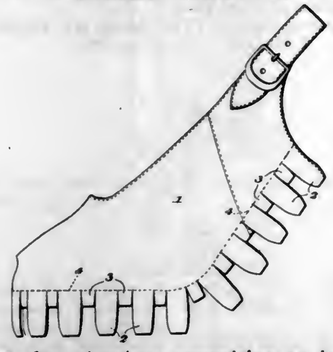
1. In a can opener, a substantially cup-shaped body, a triangularly shaped perforating member, said member being located adjacent the inner peripheral wall of said body and extending radially toward the center thereof, an insert removably positioned within said body, the edges and one surface of said insert being formed to engage the interior of said body, and a substantially V-shaped cutting blade disposed tangentially of said insert.

2,297,593
UNROLLING DEVICE FOR FOURDRINIER WIRES
Nelson W. Webb, Montclair, N. J., assignor to Eastwood-Nealley Corporation, Belleville, N. J., a corporation of New Jersey
Application February 11, 1941, Serial No. 378,361
8 Claims. (Cl. 242—54)



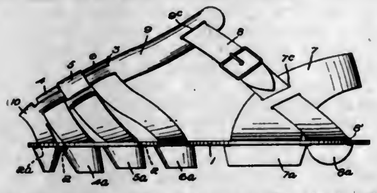
1. A portable unrolling device for a Fourdrinier wire belt, wound upon a pair of cylindrical poles disposed in contiguous parallel relation to each other with their ends projecting beyond the longitudinal edges of said wire belt and said pair of contiguous parallel poles providing a winding core of non-circular cross-section, comprising supporting bearing means adapted for attachment to a crane or the like and including a plurality of spaced bearings, a roller beam comprising a cylindrical member rotatably supported at its ends in said bearings, and including an elongated cylindrical pulley surface disposed between said bearings, manually operable means connected to said roller beam for imparting manually controlled rotation to it from a point immediately adjacent an end of said roller beam, and a pair of equal length sling belts engaged over and depending from said pulley surface and adjustable thereon toward and away from each other adapted to receive the ends of said poles with the wire belt disposed thereon, whereby said wire belt is free to unwind from said poles as they are rotated, said sling belts adapted to be simultaneously and equally driven through rotation of said roller beam.

2,297,594
FOOTWEAR
Philip Weinstat, Allston, Mass.
Application November 19, 1941, Serial No. 419,761
4 Claims. (Cl. 36—12)



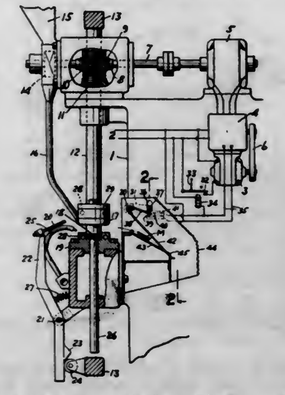
1. A shoe structure comprising an insole and an upper structure, the lower marginal portions of said upper structure being cut to establish two series of marginal tabs, one series of which is longer than the other series and the insole having slots therein spaced to receive the longer tabs so that said upper structure may be drawn thereby into a position wherein the shorter tabs are folded inwardly against the inner surface of said insole, and means anchoring the shorter series of tabs to the inner surface of said insole and the longer series of tabs to the outer surface thereof to anchor said upper structure to said insole.

2,297,595
FOOTWEAR
Philip Weinstat, Allston, Mass.
Application December 13, 1941, Serial No. 422,859
1 Claim. (Cl. 36—11.5)



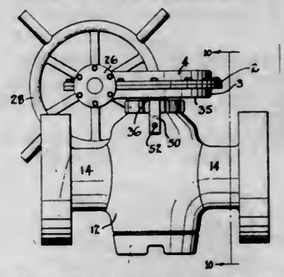
In an article of footwear, an insole having a plurality of spaced slots about its margin, and an upper structure including a plurality of pieces of upper material assembled to said insole, said pieces having terminal portions formed as tapered heads the side edges of which converge toward the terminal ends thereof and said terminal ends being of less length than the corresponding slots of the insole and said heads having at their rear edges transversely outwardly extending shoulders which are wider than the forward edges of said heads and are wider than said slots, said heads being sufficiently flexible to enable them to be bent upon themselves and passed through the slots from above and to be folded inwardly against and secured to the under face of the insole with said shoulders abutting the material of the insole spacing said slots to thereby prevent upward movement of the upper structure in said slots when a predetermined relationship between the upper structure and insole has been established.

2,297,596
DIRECT-ACTING OPERATION CHECK
Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 19, 1939, Serial No. 268,679
4 Claims. (Cl. 192—125)



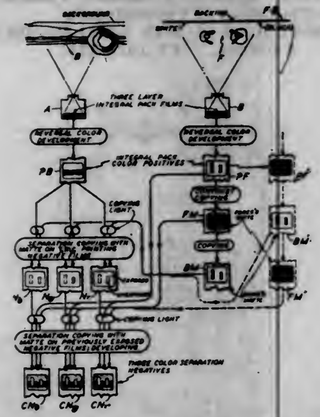
1. An article-operated switch mechanism comprising a chute having an inclined surface for conducting articles along a predetermined path by the action of gravity, a rod extending across said chute above said inclined surface, a plurality of spaced feeler elements pivotally supported upon said rod and having their free ends resting upon said inclined surface and adapted to be engaged and tilted upwardly by articles passing over said inclined surface, and normally open switch means operated to closed position by tilting of any one of said feeler members in response to articles passing through said chute.

2,297,597
DETACHABLE GEAR HEAD FOR VALVES
Richard E. White, Houston, Tex., assignor to Mission Manufacturing Company, Houston, Tex.
Application November 29, 1940, Serial No. 367,706
1 Claim. (Cl. 137—139)



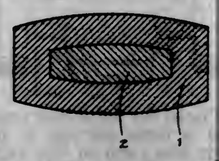
A detachable head for actuating rotatable valve stems including a head portion, a gear therein to be fitted over the stem of the valve whereby to turn said stem, means to turn said gear, and means to anchor said body to the valve including opposite bracket arms to fit down over a portion of the valve housing, and means to affix each of said bracket arms to the housing.

2,297,598
COMPOSITE COLOR PHOTOGRAPHY
Lloyed E. Whittaker, North Hollywood, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles (Hollywood), Calif., a corporation of Maine
Application May 1, 1940, Serial No. 332,737
6 Claims. (Cl. 88—16)



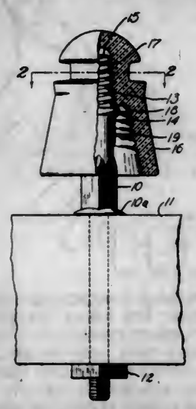
1. In the art of making composite photographic record of two object fields with mattes for masking selected picture portions during exposure, the method of producing pictures in natural colors which comprises illuminating a foreground field as well as a backing therebehind with light of similar nature containing all spectral ranges to be recorded, to degrees bringing the light reflection values from all points of the backing beyond an extreme value of the reflection of similar light from the foreground field, making color separation records of said ranges superimposed on a single support, of said foreground field against said backing, making color separation records of a background field, preparing from a record taken with said light containing said spectral ranges a silhouette matte record of said foreground field against said backing of maximum contrast between portions exposed with light of values on one side of said extreme, from said foreground field, and portions exposed with light of values on the other side of said extreme, from said backing, and exposing said superimposed records through said matte record.

2,297,599
EFFERVESCENT TABLET
Frank Wilen, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
Application September 28, 1940, Serial No. 358,849
5 Claims. (Cl. 167—57)



1. A compound therapeutic or alimentary tablet constituted of a core essentially comprising an effervescent base and containing substantially none of the desired therapeutic or alimentary substance, and a surrounding layer of a water-disintegrable composition essentially comprising a member of the group consisting of therapeutic and alimentary substances.

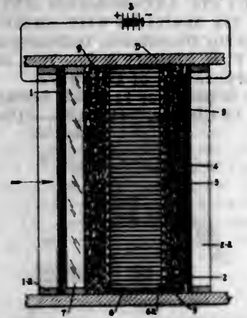
2,297,600
INSULATOR SUPPORT
Richard H. Williams, Chicago, Ill., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 11, 1940, Serial No. 344,961
8 Claims. (Cl. 174—205)



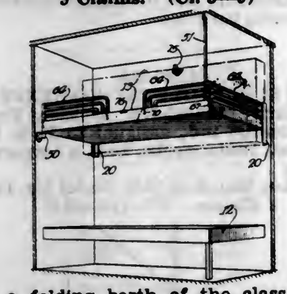
1. An assembly for supporting a conductor of electric currents comprising, in combination, a supporting pin formed of rigid non-frangible metallic material and having an externally threaded end portion terminating in a circumferential ridge forming a stop, a cushioning layer of compressible resilient rubber composition in a substantially unstretched and untensioned condition covering the end portion of the pin including at least the threaded portion and the circumferential ridge, said rubber layer following the contours of the pin and presenting substantially the same exterior configuration as that of the covered portion of the pin, the cushioning layer comprising unmasticated rubber having the grainless characteristics of rubber deposited in situ from an aqueous dispersion of rubber, and an insulator knob adapted to engage and support the conductor, said insulator knob being formed of frangible non-conducting material and having an internally threaded recess terminating in a shoulder, the knob being threaded on the rubber covered pin with the said shoulder thrust against the circumferential ridge stop on the covered pin, the cushioning layer of rubber structurally insulating the frangible knob from the non-frangible metallic pin and serving materially to reduce the liability of knob breakage in service.

2,297,601
ELECTRIC GAS CLEANER
Charles W. Williams, Louisville, Ky., assignor to American Air Filter Company, Inc., Louisville, Ky., a corporation of Delaware
Application September 3, 1940, Serial No. 355,277
8 Claims. (Cl. 183—7)

1. An electric gas cleaner comprising: spaced upstream and downstream interstitial electrodes; an interstitial dielectric body arranged within the electric field space between electrodes and substantially in contact with the upstream electrode; and an interstitial dielectric air filter medium interposed between and in electrical contact with said dielectric body and said downstream electrode.



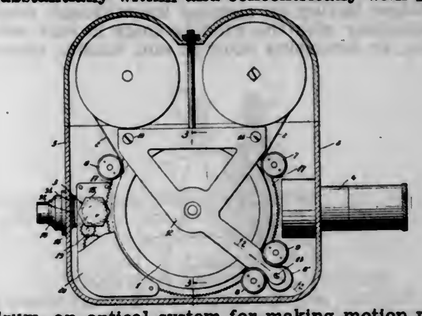
2,297,602
SHIP BERTH
Edward E. Woller, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application November 13, 1939, Serial No. 303,933
9 Claims. (Cl. 5—9)



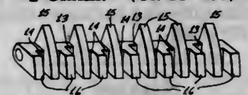
3. In a folding berth of the class described, the combination of a frame, a bed bottom vertically adjustably mounted in said frame, means for foldably mounting said frame on a wall comprising a bracket adapted to be fixedly secured to the wall, a pivot pin carried by and projecting from said frame and having a vertically adjustable connection with said bracket, and an arm pivotally connected at one end to said wall and having its other end pivotally connected to said frame at a point spaced inwardly of the frame from said pivot pin, said arm and pivot pin being adapted to permit the frame to be folded from a laterally extending bed position to a vertically folded position closely adjacent the wall, means connected with said arm for effecting vertical movement of said bed bottom relative to the frame as an incident to said folding movement of the structure, and spring means connected between said outer frame and a portion of said vertical adjusting means for normally urging said bed bottom to its lowered position and inwardly serving to counter-balance the structure to facilitate folding and unfolding thereof.

2,297,603
MOTION PICTURE CAMERA
Franz G. Back, New York, N. Y., assignor of one-fourth to Gastro-Photor Laboratories, New York, N. Y.
Application August 30, 1940, Serial No. 354,795
15 Claims. (Cl. 88—16.2)

4. In a motion picture camera a sprocket drum for the film to be exposed, spring-actuated driving means adapted to rotate said sprocket drum with uniform speed, said driving means arranged substantially within and concentrically with said drum, an optical system for making motion picture records on said film while in contact with said sprocket drum, and an optical unit for making sound records on the exposed film while the same is still in contact with said sprocket drum.



2,297,604
ICE BREAKING AND SIZING MACHINE
William W. Bateman, Mineral Wells, Tex., and Leroy B. Barber, St. Louis, Mo.
Application September 18, 1941, Serial No. 411,332
1 Claim. (Cl. 83—63)

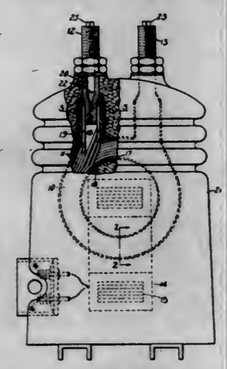


An ice breaking and sizing machine comprising an ice-receiving chamber, a rotatable drum having on its periphery a small number of large picks and a much greater number of small picks for breaking chunks from said ice and for reducing said chunks to smaller pieces, said picks being arranged on said drum in diagonal, staggered relation, a rocking grate pivotally supported between the side walls of said ice-receiving chamber and adapted to be swung in an arc of a circle for adjustment with relation to said rotatable drum for permitting said smaller pieces to emerge from said machine only when said pieces have been reduced to a predetermined size, said rocking grate having slots of various sizes through which the various sized picks pass when the drum is being rotated and the rear wall of said ice-receiving chamber being provided with grooves through which the large picks pass, a handle secured to the shaft of said rocking grate adjacent a side wall of said ice-receiving chamber and having an angular, apertured end member through which a locking screw is passed, said side wall having a forwardly extended section with a knurled periphery adapted to contact said locking screw in gripping engagement to hold said rocking grate in its adjusted position, and reduction gearing associated with a source of power and with said rotatable drum for reducing the speed of rotation of said drum.

2,297,605
TRANSFORMER
Guglielmo Camilli, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application August 2, 1939, Serial No. 288,000
11 Claims. (Cl. 175—358)

1. A transformer including a winding, solid

porous insulation surrounding and closely fitting said winding, a terminal connected to the winding, a sealed impervious flexible covering around the winding and extending to the terminal, the terminal having an opening therethrough communicating with the winding space in said covering, an insulating liquid in said winding space,



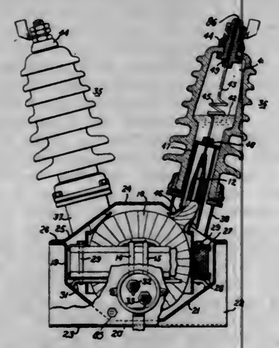
said sealed impervious flexible covering surrounding and closely fitting said insulation so as to minimize the volumetric capacity of the space containing said liquid, and a casing surrounding and substantially closely fitting said sealed impervious flexible covering for supporting and protecting said covering.

2,297,606

ELECTRIC APPARATUS

Guglielmo Camilli, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application March 26, 1941, Serial No. 385,263
18 Claims. (Cl. 175—358)



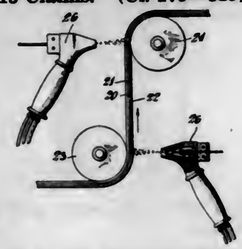
1. An electric apparatus comprising a winding having a plurality of turns, a layer of insulation relatively closely surrounding and substantially enclosing said winding and thereby restricting passages through which gaseous impurities may be removed from interstices between winding turns, a high voltage terminal for said winding, a connection between said terminal and said winding, said connection being hollow and adapted to communicate outside said insulating layer and communicating with the interstices between winding turns beneath said insulation layer whereby gas may be withdrawn therefrom.

2,297,607

ELECTROLYTIC CONDENSER AND METHOD OF MAKING THE SAME

Charles Marvin Blackburn, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

Application September 11, 1937, Serial No. 163,431
15 Claims. (Cl. 175—315)



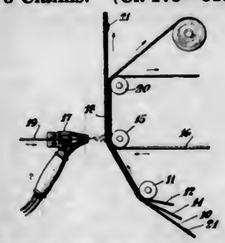
1. An electrode for electrolytic condensers comprising a layer of cloth and a layer of paper disposed in direct face-to-face contact throughout substantially the entire effective electrode area and a multiplicity of particles of film-forming metal adhering to the fibres of said layers and to each other, and an additional metallic conductor between said layers and in contact therewith and with said metal particles.

2,297,608

DRY ELECTROLYTIC CONDENSER

Charles Marvin Blackburn, Jackson Township, Brown County, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

Application March 3, 1938, Serial No. 193,671
8 Claims. (Cl. 175—315)



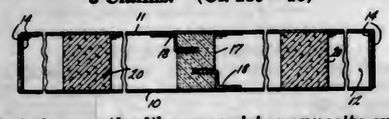
6. An electrode for dry electrolytic condensers comprising a pair of layers of open-mesh fibrous sheet material and a spray-deposit of film-forming metal thereon and therein, said layers being disposed in face-to-face pressure contact and joined by a folded edge, and a terminal connected thereto.

2,297,609

DOOR AND THE LIKE

Roscoe W. Clark, Lakewood, and Carl A. Johnson, Celeron, N. Y., assignors to Art Metal Construction Company, Jamestown, N. Y.

Application April 3, 1940, Serial No. 327,670
3 Claims. (Cl. 189—46)



1. A door or the like comprising opposite spaced apart metal face plates which are secured in place at the edge portions of the door, and means

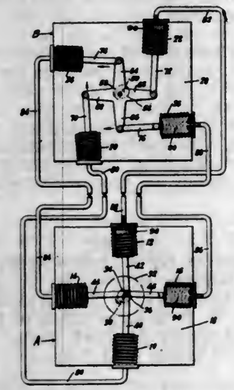
for holding said plates in the intended spaced relation intermediate the secured edge portions of the plates, comprising metal securing bars one attached to the inner side of each face plate, and a separate spreader bar of non-metallic sound-deadening material arranged between the face plates and holding them spaced apart, said securing bars extending parallel with said spreader bar and having lengthwise tongues engaging complementary tongues on the spreader bar by which the face plates are tied together against separation, each spreader bar tongue having a thickness greatly exceeding that of said securing bar tongues, whereby the spreader bar provides a strong tie connection for said face plates.

2,297,610

APPARATUS FOR TRANSMITTING ROTARY MOTION

Clarence A. de Giers, Forest Hills, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware

Application October 17, 1939, Serial No. 299,795
5 Claims. (Cl. 60—54.5)



1. A movement transmitting apparatus comprising in combination, a pair of rotatable members remote from each other, a hydraulic system, effective when one of said members is rotated, for providing unlimited rotation of the other of said members through a corresponding angle in synchronism with said first member, and a device intermediate said members operatively connected to the hydraulic system and cooperating therewith to rotate said second member by a positive cranking action, said intermediate device having movement independent of the cranking movement to permit the hydraulic system to accommodate itself to temperature changes and without effecting proper rotation of said second member, whereby the transmission of movement of said apparatus is rendered independent of change of temperature of the apparatus.

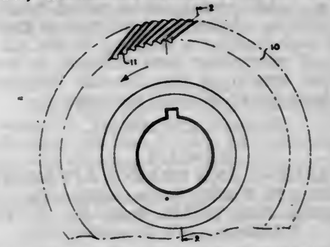
2,297,611

CUTTER

Robert S. Drummond, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan

Application December 12, 1939, Serial No. 308,868
7 Claims. (Cl. 29—103)

1. A rotary, metal cutting tool of circular cross-section having inclined teeth provided with cutting edges, said teeth being provided with narrow, unrelieved lands back of the cutting



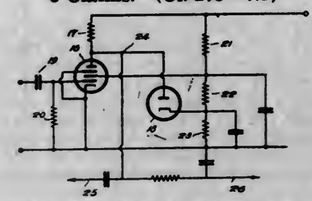
edge, said lands having a width between .001 and .005 inch.

2,297,612

TELEVISION AND LIKE SYSTEM

Charles Leslie Faudell, Stoke Poges, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application May 26, 1939, Serial No. 275,787
In Great Britain May 31, 1938
3 Claims. (Cl. 178—7.3)



1. In television apparatus wherein composite signals are received which comprise video, line synchronizing and frame synchronizing signals, and wherein said synchronizing signals are outside of the amplitude range of said video signals, means for separating said signals comprising a thermionic tube having anode, cathode, and at least one control electrode, means for impressing said signals onto said thermionic tube to control the current in the anode-cathode circuit thereof, a potentiometer arrangement connected in the anode-cathode circuit of said thermionic tube, a uni-directional conductor connected substantially in parallel with at least a portion of said potentiometer whereby signals attaining a predetermined amplitude are partially short-circuited by said uni-directional conductor and whereby a definite division may be made between said synchronizing signals and said video signals, means for impressing said synchronizing signals onto an integrating circuit, and separate output means electrically connected to said integrating circuit whereby said line and frame synchronizing signals may be separately removed from said apparatus.

2,297,613

PROCESS OF PRODUCING VISCOSE RAYON

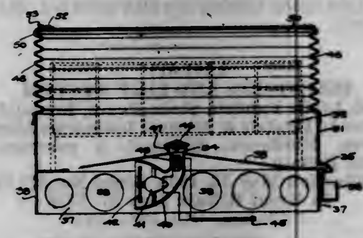
Heinrich Fink, Rottweil-on-the-Neckar, and Gaston Plepp, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

No Drawing. Application November 1, 1939, Serial No. 302,362. In Germany November 8, 1938
4 Claims. (Cl. 18—54)

1. A process of producing viscose rayon of high tensile strength which comprises spinning threads in a bath containing sulfuric acid and an alkali metal sulfate, leading the threads thus

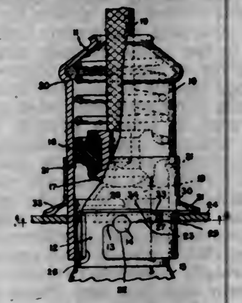
formed through an alkaline bath containing in solution a metal hydroxide selected from the group consisting of zinc and aluminum hydroxides, said bath having a swelling action on said threads and stretching said threads to exceed the original length of the threads leaving the spinning bath by at least 25 per cent.

2,297,614
DISHWASHING AND DRYING APPARATUS
Walter M. Fuchs, State College, Pa.
Application June 7, 1939, Serial No. 277,829
2 Claims. (Cl. 34—231)



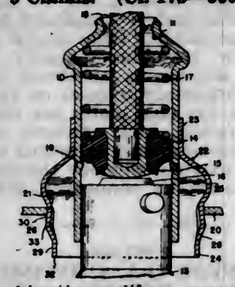
1. A drying device consisting of an open top casing formed by a lower section of rigid material and an upper section of flexible material, said flexible section of the casing being arranged to be expanded to increase the height of said casing, an inlet for air to said casing, means for supplying heated air to said inlet, and means arranged to coact with the contents of said casing for holding said flexible section thereof expanded.

2,297,615
SOCKET ASSEMBLY
Russell A. Funk, Pleasant Ridge, Mich.
Application April 29, 1940, Serial No. 332,345
6 Claims. (Cl. 173—329)



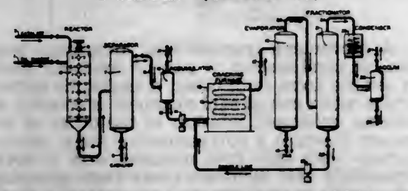
1. In combination, a mounting member having an opening therethrough, a light socket having one end portion extending into the opening of the mounting member, means responsive to rotation of the socket relative to the mounting member in one direction to secure the socket to the mounting member and to effect an axial movement of the socket toward said mounting member, and a plurality of spring fingers carried by the socket in positions to engage the adjacent surface of the mounting member upon axial movement of the socket toward the mounting member by said means and having edge portions adapted to bite into the adjacent surface of the mounting member upon rotation of the socket relative to the mounting member in a direction opposite the direction of rotation aforesaid.

2,297,616
SOCKET ASSEMBLY
Russell A. Funk, Pleasant Ridge, Mich.
Application April 29, 1940, Serial No. 332,346
5 Claims. (Cl. 173—339)



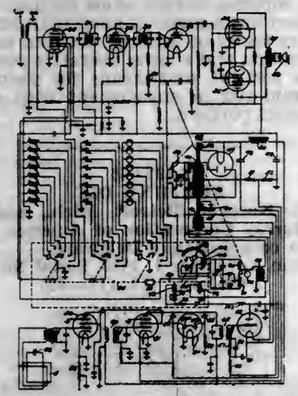
1. In combination with a mounting member having an opening therethrough, a socket assembly, an annular imperforate flange on the socket assembly adapted to extend into the opening in the mounting member from one side of the latter and having diametrically opposed reinforced parts frictionally engageable with the edge of the mounting member surrounding the opening to apply a stress on the flange in an inward direction upon insertion of the flange into the opening in the mounting member, the portions of the flange between the reinforced parts being sufficiently weak to bow outwardly within their elastic limits by the stress applied to the reinforced parts, and said reinforced parts having provision for engaging the opposite side of the mounting member to secure the socket to the latter.

2,297,617
CONVERSION OF HYDROCARBON OILS
Arthur R. Goldsby, Beacon, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application January 31, 1940, Serial No. 316,464
4 Claims. (Cl. 196—50)



1. A process for the manufacture of high antiknock motor fuel hydrocarbons from a saturated hydrocarbon feed rich in straight chain hydrocarbons which comprises subjecting said hydrocarbons, in the substantial absence of unsaturated hydrocarbons, to the action of an isomerization catalyst maintained under isomerizing conditions such that substantial conversion of straight chain hydrocarbons into branched chain hydrocarbons of substantially the same boiling range occurs as the predominating reaction, separating the isomerized hydrocarbons from the catalyst, subjecting the isomerized hydrocarbons to cracking at a temperature elevated substantially above the temperature prevailing during the aforesaid isomerization reaction, whereby substantial conversion into high antiknock gasoline hydrocarbons is obtained, fractionating the cracked mixture to separate it into relatively low and relatively high boiling fractions respectively, the low boiling fraction being rich in high antiknock gasoline hydrocarbons, withdrawing said low boiling fraction, commingling said higher boiling fraction with isomerized feed oil in the substantial absence of said isomerization catalyst, and passing the commingled mixture to said cracking reaction.

2,297,618
REMOTE CONTROL SYSTEM
David Grimes, Beverly, N. J., and Elmer O. Thompson, Grasmere, Staten Island, N. Y., assignors, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 20, 1938, Serial No. 220,366
21 Claims. (Cl. 250—20)



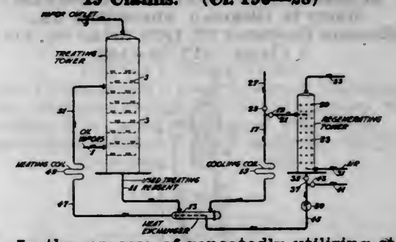
16. In a control system for a radio receiver, step-by-step switch means at said receiver comprising a plurality of movable elements and stationary contacts associated respectively with said elements, means controlled by one of said elements and associated contacts for varying the volume level of said receiver, means controlled by other of said elements and the associated contacts for changing the tuning of the radio receiver, means for actuating said one element independently of said other element to thereby vary the volume level of the radio receiver, and means responsive to predetermined movement of said one element for actuating said other element to thereby tune said receiver to a desired station, the said contacts associated with said elements being so arranged that the tuning control contacts are engaged non-coincidently with the engagement of the volume control contacts.

2,297,619
MOTOR COUPLING
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application January 27, 1940, Serial No. 315,965
2 Claims. (Cl. 64—11)



1. In a coupling for a pair of substantially aligned shafts, in combination, a pair of end washers having D-shaped openings and corrugated peripheries, hard rubber end portions encompassing the peripheral portion of said washers, and a resilient rubber body portion disposed intermediate of said hard rubber end portions forming a unit construction.

2,297,620
HYDROCARBON OIL TREATING
Lawrence M. Henderson, Winnetka, and Arthur Schroder, Highland Park, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application January 28, 1939, Serial No. 253,246
19 Claims. (Cl. 196—28)

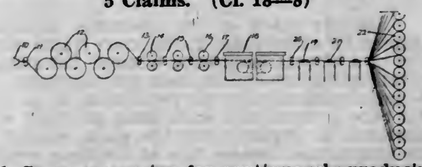


1. In the process of repeatedly utilizing stable polyvalent heavy metal salts of organic acid selected from the group consisting of naphthenic and abietic acids, dissolved in an oil miscible liquid for sweetening petroleum hydrocarbon vapor, the step which comprises treating said vapors with the solution but below the decomposition temperature of said salt, reactivating the solution by passing an oxygen-containing gas therethrough at a temperature sufficiently high to effect regeneration but below the temperature of decomposition of said salts and utilizing the regenerated solution for treatment of additional vapors.

2,297,621
METHOD FOR REMOVING ACIDIC SUBSTANCES FROM LIQUID HYDROCARBONS
Lawrence M. Henderson, Winnetka, and George W. Ayers, Jr., Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application April 17, 1941, Serial No. 388,982
12 Claims. (Cl. 196—30)

1. In a method for removing acidic substances from liquid hydrocarbons, the step which comprises contacting said hydrocarbons with an aqueous solution containing at least 5% by weight of free caustic alkali, at least 10% by weight of soap of alkali-soluble alicyclic acid, calculated as acid, and a sufficient amount of phenolic compound, capable of acting as a solventizer, to dissolve the soap.

2,297,622
MANUFACTURE OF RUBBER THREAD
William P. Herman, Providence, R. I.
Application November 4, 1938, Serial No. 238,776
5 Claims. (Cl. 18—8)



1. In an apparatus for continuously producing

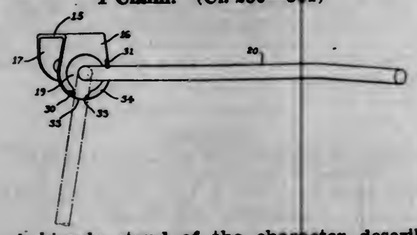
rubber thread from an endless length of unvulcanized rubber of a predetermined width and thickness, the combination of means for continuously scoring said length along successively narrower lines, means for continuously vulcanizing said scored length, and means for continuously separating said vulcanized scored length along the scored lines in successively narrower separations until a plurality of rubber threads are obtained.

2,297,623
SLIDE LOCK FOR FISH STRINGERS
Harry B. Hickman, Shreveport, La.
Application December 22, 1939, Serial No. 310,644
1 Claim. (Cl. 24—150)



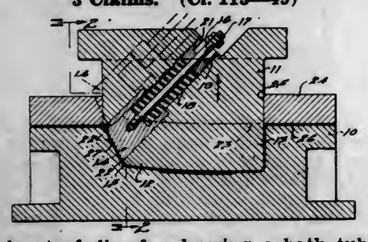
As an article of manufacture, a hook especially designed for use in connection with fish stringers comprising an eye, a shield tapering toward the eye, the shield being open at one side to provide a compressible shield, a shank extending from the eye and through the shield, a hook point carried by the shank, a flange carried by the shield and partly closing the open side of the shield and adapted to releasably engage said point, a tapering keeper slidably mounted over said shield, the keeper tapering toward the eye and being adapted to wedgingly engage the shield and slightly compress the shield as the keeper is moved away from the eye to provide a tight gripping action between the shield and keeper, the point being adapted to fit under the flange, and the keeper being slidable to a position to overlie the flange and point, the wedging contact of the keeper and shield holding the keeper in position and preventing the accidental movement of the point from out of engagement with said flange.

2,297,624
BICYCLE STAND
John H. Horstman, Dayton, Ohio, assignor to The Huffman Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application May 22, 1940, Serial No. 336,611
1 Claim. (Cl. 280—301)



A bicycle stand of the character described adapted for attachment to the lower frame members of a bicycle comprising a single flat strip of metal having two opposite end portions bent into U-shape substantially perpendicular to a central base portion, said ends being provided with apertures in alignment in the plane normal to the longitudinal center line of the base portion but at different elevations with respect thereto, the base portion being attached to said frame members with its longitudinal axis at a small acute angle to the transverse axis of the frame members, a rod rotatably supported in said apertured end portions at a small acute angle to the horizontal and to the transverse axis of the frame members, the rod having an angularly bent portion extending downwardly from the trailing end portion and adapted to engage the ground to support the bicycle and being rotatable to an upper withdrawn position closely paralleling said frame members, said trailing end portion being formed with a raised portion and recessed portions at either side of said raised portion providing for retaining said rod in either said upper withdrawn or in a lower operative position, said recessed portions having stops at their opposite ends spaced by an angle of more than 90° to confine rotary travel of said rod between said withdrawn position and a lower operative position beyond the vertical, and means for yieldably retaining said rod in engagement with either of said recessed portions.

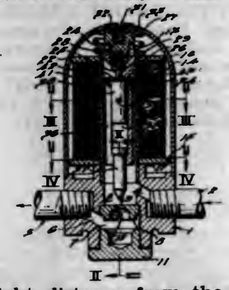
2,297,625
FORMING DIE
Edwin H. Kotcher, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application November 1, 1939, Serial No. 302,419
3 Claims. (Cl. 113—49)



3. A set of dies for drawing a bath tub having side walls and a sloping end wall extending between said side walls, including, a female die having a recess the shape of the outer contour of the tub, a male die corresponding in shape to said tub except for the sloping wall portion which is recessed, and a sloping wall die portion of the full width of said sloping wall and mounted in the recess of the male die for movement at an angle to the direction of movement between the male and female dies, said angle and the length of the sloping die portion being such that the entire end opposite to the end which engages the sloping wall extends beyond the top edge of the tub at the end of the drawing operation, and said angle being opposite to and at least as great as the angle of said sloping wall from said direction of movement.

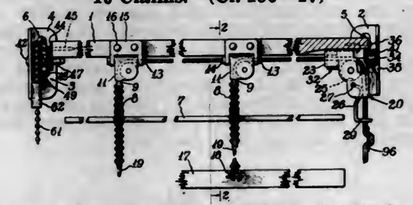
2,297,626
VALVE OPERATING ELECTROMAGNET
Gustav A. Lennholm, Detroit, and George H. Clark, Washtenaw County, Mich., assignors to Square D Company, Detroit, Mich., a corporation of Michigan
Application February 10, 1940, Serial No. 318,259
3 Claims. (Cl. 175—341)

2. In a device of the class described, an energizing coil having a passage extending therethrough, a sleeve member fitted within said passage, a magnetic plug fixedly mounted within one extremity of said sleeve member, a movable return pin carried by said magnetic plug and continually biased toward one position, a core slidably fitted in said sleeve member and having a portion thereof extending beyond the lower rim of said member, and adapted to be moved therein upon energization of the coil, a stop member carried at the other extremity of said core and dis-



posed a slight distance from the plane of the upper core rim to reduce the area of contact between the core and plug and thereby the retention of residual magnetism, said upper core rim being the only core surface in contact with the magnetic plug said stop member being engageable by said return pin to prevent possible sticking of the core in its upper position due to residual magnetism after deenergization.

2,297,627
VENETIAN BLIND
Leslie K. Loehr, Los Angeles, Calif.
Application May 29, 1940, Serial No. 337,876
10 Claims. (Cl. 156—17)



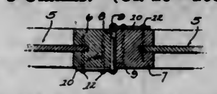
1. In a Venetian blind, a horizontal tilt bar, a plurality of slats maintained in parallel relation thereto, flexible means hingedly attached to the tilt bar for supporting the slats therefrom, flexible means hingedly supported entirely by the tilt bar for raising and lowering the slats, mounting brackets for the ends of the tilt bar providing pivotal seats enabling the assembled blind with its raising and lowering means to be removed from and replaced in operative position as a unit, one of said brackets comprising a yoke slidably but non-rotatably connected to the tilt bar, a pivotal support for the yoke, irreversible gearing for rotating said yoke, and flexible means for manually operating the gearing.

2,297,628
RECOVERY OF WASTES FROM GLASS GRINDING AND POLISHING OPERATIONS
Rob Roy McGregor, Swissvale, Pa., assignor to Norbert S. Garbisch, Butler, Pa.
No Drawing. Original application April 13, 1937, Serial No. 136,699, now Patent No. 2,182,384, dated December 5, 1939. Divided and this application December 4, 1939, Serial No. 307,413
8 Claims. (Cl. 23—110)

3. A process of removing finely ground glass from the mixture of pulverulent glass and silica resulting from the surfacing of glass plates with sand as an abrasive, which process comprises digesting the mixture with hot water under pressure in an autoclave to form sodium silicate solution from the glass, then removing the solution from the residue of silica and insoluble glass constituents.

4. A process of forming sodium silicate comprising digesting with a dilute water solution of alkali, the mixture of finely-divided sand and glass resulting from the surfacing of plate glass with a water slurry of sand as an abrasive for a time sufficient to effect selective reaction of the alkali with the glass content of the mixture to form alkali silicate while leaving most of the sand unattacked.

2,297,629
HINGED STRUCTURE
Joseph J. Meyer and Frank A. Jones, Milwaukee, Wis., assignors to G-H Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 9, 1937, Serial No. 168,257
3 Claims. (Cl. 16—163)



1. In a hinged structure, the combination with members requiring double-acting hinge connection, said members having abutting end faces and corresponding opposite side faces, of a plurality of like hinge elements connecting said members at several differing levels, each such element including a pintle frame having pintle bar portions spaced substantially by the distance between the opposite faces of said members, and straps each folded upon itself intermediate its ends to provide an eye in pivotal engagement about one of the pintle bars, the ends of the straps being superposed and provided with means connecting said ends with opposing faces of the respective members, the pintle bars at each side of the said members being respectively connected with different members, and the straps connected with pintle bars at a given face of one of said members being in each instance connected with the opposite face of the other member.

2,297,630
SLOW-ACTING MONOCALCIUM PHOSPHATE AND PROCESS OF MANUFACTURING THE SAME
Charles H. Milligan, Westfield, N. J., assignor to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware
No Drawing. Application December 4, 1940, Serial No. 368,503
7 Claims. (Cl. 99—95)

2. As a new article of manufacture: finely divided, crystalline, substantially anhydrous, slow-acting monocalcium phosphate of which each particle is provided with a substantially complete, relatively insoluble and substantially tasteless coating upon the outer surface thereof, said coating having, as its principal effective ingredient, magnesium pyrophosphate, substantially concentrated upon the surface of the product and having a content of sodium and potassium below an amount which imparts objectionable pyro taste to the product.

2,297,631
REFRIGERATOR
Giles C. Mitchell, Kansas City, Mo.
Application May 20, 1940, Serial No. 336,215
11 Claims. (Cl. 62—89)

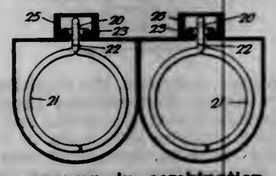
1. A refrigerator of the character described including a refrigerator cabinet having a door opening, a frame rotatably mounted in the cab-

inet adapted to carry articles to be refrigerated, means dividing said frame into compartments,



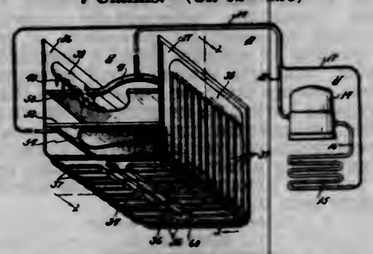
and means in the compartments respectively for cooling said compartments to different temperatures respectively.

2,297,632
CONVEYER
Alfred J. Mosley, Aurora, Ill.
Application August 17, 1940, Serial No. 352,996
4 Claims. (Cl. 198—168)



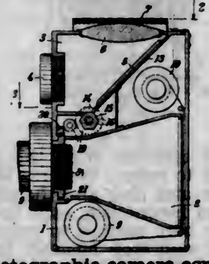
1. In a conveyer, in combination, a conduit having means closing its upper portion and providing a longitudinal slot therein, a chain movable along the slot and including relatively wide links disposed in a horizontal plane and engaging the margins of the slot in overlapping relation to support the chain, and a plurality of pusher elements each formed of a single length of wire bent to provide a body portion enclosed within the conduit, a shank portion projecting through the slot, and a link portion constituting a relatively narrow link in said chain, said relatively wide links of the chain cooperating with the margins of the slot to maintain the lower edges of the body portions of the pusher elements spaced out of contact with the bottom of the conduit.

2,297,633
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application February 26, 1940, Serial No. 320,857
7 Claims. (Cl. 62—126)



1. A refrigerant evaporator comprising a pair of refrigerant distributing manifolds, an inlet refrigerant manifold, refrigerant injecting means adjacent each end of said inlet manifold communicating with the corresponding ends of each of the other two manifolds to conduct refrigerant from the inlet manifold to the distributing manifolds, and means providing refrigerant passages communicating with said distributing manifolds.

2,297,634
PHOTOGRAPHIC CAMERA
Karl Pritschow, Brunswick, Germany, assignor, by mesne assignments, to Sherka Chemical Co. Inc., Bloomfield, N. J., a corporation
Application January 12, 1939, Serial No. 250,540
In Germany November 2, 1936
3 Claims. (Cl. 95—44)



1. In a photographic camera comprising a casing having an exposure chamber and a finder chamber located above said exposure chamber, said finder chamber being provided with an object lens, a mirror in position for reflecting rays passing through said object lens upwardly, and a field lens above said mirror, the invention herein described which consists of a movable carrier having a table showing depths of definition printed thereon, said carrier being located within the finder chamber adjacent the pencil of rays passing from said object lens of the finder towards said mirror and in position for permitting inspection of one of its lines at a time through said field lens, and means for moving said carrier with any one of its lines into position permitting inspection through said field lens.

2,297,635
STEREOTYPE MAT
Arlie W. Schorger, Madison, Wis., assignor to Burgess Cellulose Company, Freeport, Ill., a corporation of Delaware
No Drawing. Application August 26, 1939, Serial No. 292,073
15 Claims. (Cl. 22—5.5)

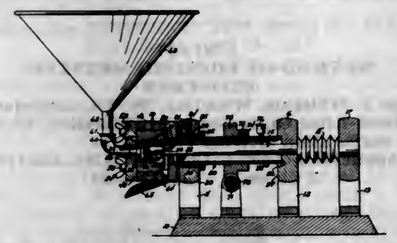
1. A felted plastic stereotype mat consisting essentially of an intimate mixture of cellulose fibers and thermoplastic lignin, and containing approximately 10% to 50% of water, based on the weight of said stereotype mat.

2,297,636
COMPOSITION FOR AND METHOD OF DEVITALIZING MICROORGANISMS
Randolph Norris Shreve, West Lafayette, Ind., and Miller Woodson Swaney, Elizabeth, N. J., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri
No Drawing. Original application May 19, 1938, Serial No. 208,860, now Patent No. 2,216,140, dated October 1, 1940. Divided and this application March 30, 1940, Serial No. 326,968
2 Claims. (Cl. 167—33)

1. A microorganism devitalizing composition comprising pyridylmercuric chloride.

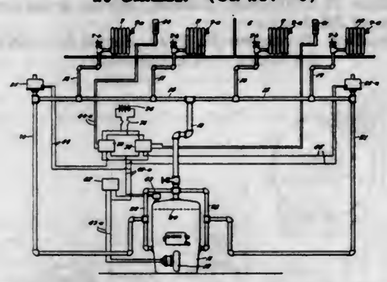
2. The method of devitalizing microorganisms which comprises subjecting them to the action of pyridylmercuric chloride.

2,297,637
COLLOID MILL
Frank A. Sullivan, Salem, Mass.
Application March 18, 1940, Serial No. 324,666
2 Claims. (Cl. 83—13)



1. In an apparatus of the character described, a support having a rotary shaft journaled thereon, an elongated tubular member supported concentrically about the intermediate portion of the shaft, a rotor removably secured on one end of the shaft, a stator having a cavity engaging the rotor, a housing carrying the said stator having an extension slidably mounted on the support, the said extension engaging the tubular member so as to effect axial movement of the housing and stator upon rotation of the tubular member, and means for holding the said extension against rotation.

2,297,638
ZONE HEATING SYSTEM AND VALVE THEREFOR
Robert D. Symonds, Wethersfield, Conn.
Application September 12, 1939, Serial No. 294,506
10 Claims. (Cl. 237—9)



1. A zone heating system of the character described comprising a central heating plant, space heaters located in separate zones, means for separately connecting the supply of a heat transfer medium from said central heating plant to each of said space heaters, an air releasing valve in said connecting means for separately causing rapid supply of said heat exchange medium to a space heater in each of said zones, an electrically controlled fuel burner in said heating plant and an electric circuit for controlling the operation of said system; the said circuit including a separate thermally responsive means in each of said zones, a separate relay for and controlled by each of said thermally responsive means, a solenoid for operating said valve, an electric switch for interrupting the supply of electric energy to said solenoid, heat responsive means for operating said switch and means for connecting said circuit whereby, upon the operation of one of said thermally responsive means, its respective relay will cause energization of the said solenoid, to open said valve, and simultaneously start the operation of said burner, and, upon the heat transfer medium having reached a pre-determined temperature in said connecting means, the said heat responsive means will cause the said solenoid to become de-energized, thereby permitting said valve to close.

2,297,639
SHAMPOO PAD
Peter Jerome Thauwald, St. Paul, Minn.
Application July 28, 1939, Serial No. 287,021
1 Claim. (Cl. 4—159)



A shampoo pad adapted to be folded over the marginal rim of the neck portion of a shampoo board, including a body portion formed of absorbent material, loosely woven gauze layers extending between and over said material, and a bottom portion formed of water-proof material.

2,297,640
BREECH MECHANISM FOR AUTOMATIC FIREARMS
George Webb, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application January 17, 1940, Serial No. 314,271
6 Claims. (Cl. 89—3)

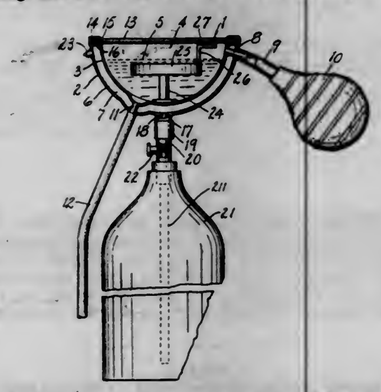


2. In an automatic firearm, the combination of a casing, a longitudinally reciprocable barrel, a barrel extension connected with the barrel and positioned within the casing, a breech block guided on the barrel extension for downward and upward movement out of and into breech-closing position, mechanism for moving the breech block downward and upward in timed relation with the reciprocation of the barrel and barrel extension, and a stop pivotally connected with the barrel extension and normally in position to limit downward movement of the breech block, the said stop being pivotally movable out of its operative position to permit the breech block to move downward out of engagement with the barrel extension.

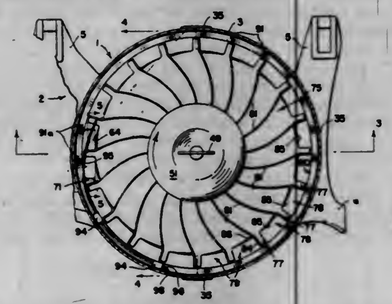
2,297,641
APPARATUS FOR DETERMINING THE FREEZING POINT OF LIQUIDS
Joseph T. Webber, Kalamazoo, Mich., assignor, by mesne assignments, to Lacey-Webber Co., Kalamazoo, Mich., a corporation of Michigan
Application December 11, 1939, Serial No. 308,678
5 Claims. (Cl. 73—51)

3. Apparatus of the type described, comprising a double walled hollow receptacle providing a container to receive liquid to be tested and a refrigerating chamber at least partially surrounding said container in heat transfer relation thereto, means for drawing into said container a quan-

tity of the liquid to be tested, a coiled thermally responsive bimetallic member disposed in said container in position to be at least partially immersed in and directly in contact with liquid admitted to the same, said member having a temperature indicating element thereon, a hollow fitting on said receptacle, a container of refrigerating material connected to said fitting for supplying refrigerating material to said chamber, and a closure for said receptacle having a transparent portion provided with a scale calibrated in terms of temperature and coacting with said temperature indicating element to afford a visual indication of the temperature of the liquid when the latter is at least partially congealed by lowering of its temperature due to admission of refrigerant from said supply to said refrigerating chamber.

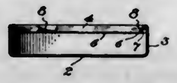


2,297,642
PLANTER
Charles H. White, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application December 1, 1939, Serial No. 307,132
26 Claims. (Cl. 221—138)



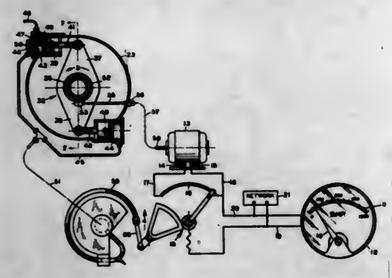
23. Planting mechanism comprising the combination of a seed plate support having a stationary part disposed radially outwardly of the seed plate and provided with a substantially directly upwardly facing surface of irregular wavelike contour extending above the adjacent portions of the seed plate, a rotatable seed plate having peripheral seed cells and a central section provided with ribs whereby rotation of said seed plate causes rotation of the mass of seeds above said plate, said stationary part serving to impart vertical agitation to the outer portions of the mass of seed as the latter is rotated by the ribs on said plate, and cut-off means disposed just above the seed plate and lying in a substantially horizontal plane so that it offers no material restriction to the rotation of said mass of seed by said plate.

2,297,643
METHOD OF FORMING METALLIC CLOSURES
John J. Williams, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application April 5, 1940, Serial No. 328,119
2 Claims. (Cl. 113—121)



1. The method of manufacturing metallic caps which comprises forming a blank having a top and a cylindrical skirt with a raw edge, bending a portion of the skirt adjacent the raw edge inwardly throughout its periphery to form an inwardly extending substantially planar flange, engaging the raw edge of the flange and by a spinning action doubling the free edge of the flange upon itself and substantially in contact with the body of the flange, and thereafter forming spaced portions of the flange into container engaging lugs and flattening intermediate portions of the flange against the inner face of the skirt.

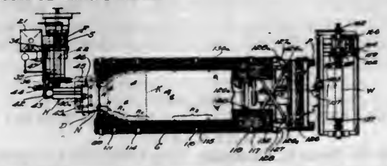
2,297,644
POWER RESPONSIVE DEVICE
Walter Angst, Manhasset, N. Y., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application November 22, 1940, Serial No. 366,676
2 Claims. (Cl. 265—25)



1. A power meter for internal combustion engines having a planetary gear including a rotatable driving, a rotatable driven, and a substantially stationary sun gear, said meter comprising, in combination, pressure fluid operated means for producing a fluid pressure which is a function of the reaction torque exterted on said sun gear; an alternating current generator driven by said engine for generating an alternating electromotive force, which is a function of the speed of the engine; a variable impedance connected parallel to said generator; an indicator responsive to changes in potential, said indicator being graduated in units of horepower; and means responsive to said fluid pressure for connecting said indicator parallel to a greater or lesser portion of said impedance in dependence on said pressure, whereby the potential at said meter becomes a measure of the horsepower of said engine.

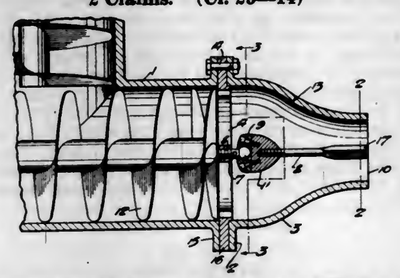
2,297,645
PROCESS OF AND APPARATUS FOR EXTRUDING PLASTIC SHEETS
James Bailey, West Hartford, Conn., assignor to Plax Corporation, Hartford, Conn., a corporation of Delaware
Application December 22, 1941, Serial No. 423,912
11 Claims. (Cl. 18—12)

1. The process of shaping organic solvent-free thermoplastic compound which comprises softening said compound by heating it, forcing the compound at high temperature through a nozzle to form a flat ribbon, chill-pressing the edges only of said ribbon close to said nozzle, and supporting the remaining hot plastic portion of said ribbon out of contact with solids until it has hardened by gripping the chilled edges thereof, and by engaging and pulling the fully hardened portion of said ribbon.



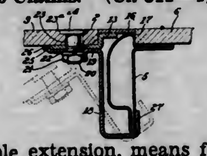
8. The process of shaping solvent-free organic thermoplastic compound into sheet which comprises the steps of heating said compound and extruding and forming it into a sheet at a temperature so high and viscosity so low that the sheet is not self-supporting for a substantial distance away from the point of extrusion and would slump if not prevented from doing so, whereby introduction of strain and tendency of the finished sheet to unmold is prevented, and preventing the sheet from slumping by chilling edge portions only thereof as the sheet leaves the nozzle, gripping and conveying the chilled edge portions in diverging paths to convey the sheet and to stretch transversely the central hot plastic portion thereof, cooling the sheet until it has hardened across its entire width, and engaging and pulling on the hardened portion of said sheet.

2,297,646
PUGMILL
Russell G. Bellezza and Edward M. Skipper, Baltimore, Md., assignors to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland
Application March 9, 1940, Serial No. 323,241
2 Claims. (Cl. 25—14)



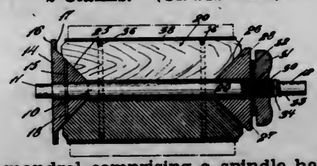
1. The combination with a pug mill for use in the mixing of porcelain clay, of an extrusion nozzle circular in cross section, the cross sectional area of said nozzle being gradually diminished from the point of connection with the mill to its orifice, an extrusion screw within said mill, said screw terminating short of said connection between said mill and nozzle, a spider positioned adjacent the base of said extrusion nozzle and rigidly connected to said mill and nozzle, means on said spider comprising a plurality of arms extending radially from the center of said spider for preventing the rotation of the extruded clay pug during the passage through said nozzle, a rigid member connected at one end to said spider, said member having intermediate its ends a ball and socket joint connection, the opposite end of said member extending to the nozzle orifice, said member being adapted to be positioned centrally of said orifice by the passage of the clay pug and being adapted to form therein a central longitudinal opening, said opposite end of said member being of lesser cross sectional area than said ball and socket joint connection.

2,297,647
TABLE EXTENSION
Daniel H. Chason, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application March 11, 1941, Serial No. 382,713
6 Claims. (Cl. 311—4)



1. In a table extension, means for detachably securing said extension to a table having a rail, comprising a hook member secured beneath said extension adjacent one edge thereof, and a thin flat strip secured to said extension and positioned to form a lip member projecting from and flush with the top surface of said extension and coacting with said hook member to form resilient clamping means adapted to embrace the table rail, whereby a continuous planar working surface of increased area is provided.

2,297,648
MANDREL
Joseph E. Cushman, Stonington, Conn., assignor to Atwood Machine Company, a corporation of Connecticut
Application February 16, 1942, Serial No. 431,115
2 Claims. (Cl. 242—124)



1. A mandrel comprising a spindle having the end portions thereof reduced providing trunnions for mounting the same in position, an inwardly tapered abutment head fixed on said spindle against longitudinal movement thereon, an inwardly tapered washer on said spindle freely movable longitudinally along the spindle, a plurality of body segments having inwardly tapered ends to fit said head and washer and provided with external circumferential grooves, resilient split lock rings in said grooves tending to contract and hold the segments about the spindle and in engagement with said head and washer and tending to move said washer in a direction to permit contraction of said segments, a flat washer engaging said tapered washer, threads

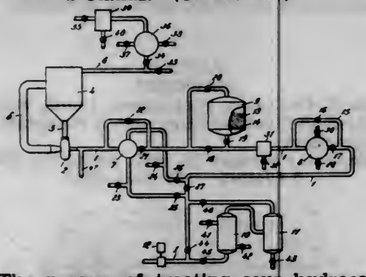
on the spindle inwardly of said trunnions, a wing nut engaging the threads and engaging the flat washer to expand the segments against the resiliency of said lock rings when said nut is advanced on said spindle.

2,297,649
PISTON
John Shearman Donaldson, St. Albans, N. Y., assignor to Donaldson Piston Corporation, New York, N. Y., a corporation of New Jersey
Application December 9, 1939, Serial No. 308,327
10 Claims. (Cl. 309—29)



1. A piston, comprising a head portion having a ring-carrying part and a downwardly extending central tubular part the diameter of which is substantially less than the inside diameter of the skirt and which is provided with bearing members forming the socket portion of a ball-and-socket joint for a connecting rod having a ball head, and a circumferentially continuous skirt welded to connecting members extending downward from said ring-carrying part.

2,297,650
METHOD OF TREATING OILS
Walter C. Fry and Benjamin F. Hartman, Augusta, Kans., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1939, Serial No. 300,153
2 Claims. (Cl. 196—29)

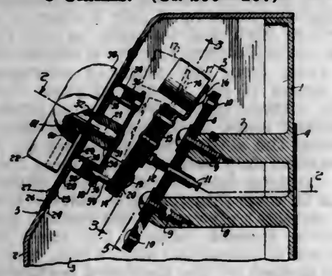


1. The process of treating sour hydrocarbon oil to remove sourness which comprises contacting a flowing stream of said oil, in the presence of gaseous oxygen added thereto with a substantially dry mixture comprising an adsorbent material and a salt of copper which forms mercaptides with mercaptans, separating said dry mixture from the oil and returning it to the contacting step, all without accumulation of water in the said dry mixture during a prolonged period of continuous operation of indefinite length in which the dissolved water content of the raw oil to be treated is partially reduced in a dehydrating zone by a controlled amount prior to treatment, and the oil is then heated so that a temperature differential of not more than about 50° F. is maintained between the dehydrating step and the treating step, the partial reduction of dissolved water and the temperature differential being so inter-related that the amount of water which may be dissolved by the oil while being treated is substantially equal to the water which is produced by reaction of the mercaptan sulphur present in the raw oil.

2,297,651
CHEWING GUM BASE
Carl E. Hartwig, Teaneck, N. J., and Boris N. Lougovoy, Jackson Heights, N. Y., assignors to American Chicle Company, Long Island City, N. Y., a corporation of New Jersey
No Drawing. Application April 20, 1940, Serial No. 330,698
11 Claims. (Cl. 99—135)

1. A chewing gum base comprising latex coagulum characterized by a water content not substantially exceeding 50% and by absence of any substantial proportion of chlorophyl and substantial absence of stickiness, from the group of plants comprising *Asclepias syriaca, Asclepias sullivanti, Asclepias tuberosa, Asclepias subulata* and *Asclepias erosa.*

2,297,652
SELECTIVE SWITCH AND MOUNTING THEREFOR
Earle G. Henry, Chicago, Ill., assignor to Buckley Music System, Inc., a corporation of Illinois
Application November 8, 1940, Serial No. 364,762
5 Claims. (Cl. 200—167)

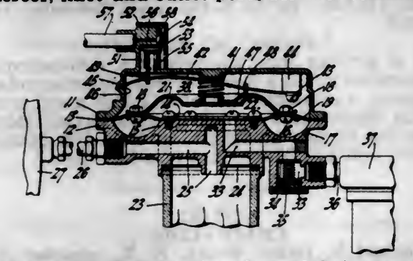


1. The combination with two walls of a container movable relatively to each other to open and close the container, of a selective switch including a series of stationary contacts arranged in the arc of a circle supported by one of said walls, within the container, a shaft extending through and rotatable in the other of said walls with its axis extended passing through the center of said circle, a switch arm carried upon the inner end of the shaft to cooperate with the stationary contacts when the container is closed, a switch actuator on the outer end of said shaft, and graduations on the exterior of the container distributed in an arc about the shaft and corresponding in number and disposition to said stationary contacts, and a ratchet device mounted on the last-mentioned wall between that wall and the switch arm to raise said arm above the plane of said stationary contacts when the arm is turned from one working position toward another and hold it raised until it reaches the new position.

2,297,653
FUEL PUMP
Erwin C. Horton, Hamburg, and Willis C. Hess, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application May 27, 1940, Serial No. 337,334
10 Claims. (Cl. 103—152)

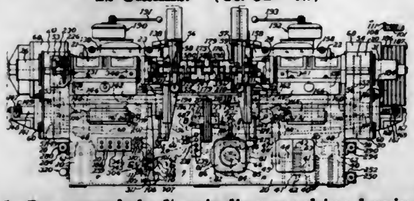
1. In a fuel pump, a flexible diaphragm having its central portion secured to a substantially

rigid part and having its marginal portion secured to a substantially rigid part, and a plate overlying said central portion of the diaphragm and secured to the latter along a line extending between said inner central and marginal portions thereof, inlet and outlet ports for fuel communi-



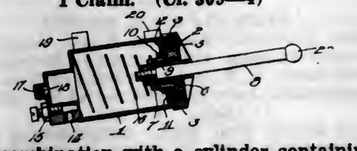
cating with the chamber formed between said plate and diaphragm, and means for subjecting the plate and said diaphragm to differential fluid pressures for effecting movement thereof to alternately expand and contract said chamber.

2,297,654
CRANKSHAFT GRINDING MACHINE
Franklin E. Johnson, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application November 5, 1941, Serial No. 417,918
12 Claims. (Cl. 51—72)



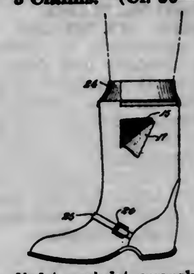
1. In a crankshaft grinding machine having a base, a rotatable work support including a pair of spaced aligned work heads on said base, a transversely movable grinding wheel slide on said base, a pair of spaced aligned longitudinally movable wheel heads on said slide, a rotatable grinding wheel on each of said heads, a wheel feeding mechanism to feed said slide transversely simultaneously to move said grinding wheels into operative grinding engagement with a pair of spaced aligned crankpins to be ground, and means on said slide to index said grinding wheel heads longitudinally relative to said slide and successively into alignment with successive pairs of pins on a crankshaft.

2,297,655
PISTON
Paul F. Koch, Oak Park, Ill., assignor to Chicago Die Casting Manufacturing Company, a corporation of Illinois
Application July 2, 1941, Serial No. 400,729
1 Claim. (Cl. 309—4)



The combination with a cylinder containing a piston having on one side a hub and a loose, flexible annular peripheral packing element projecting from the aforesaid side: of a short sleeve loose on the hub and free to move lengthwise on and off the hub, a thin, stiff disk loose on the sleeve and adapted to expand said packing element into engagement with the surrounding cylinder wall when the disk is pushed along the sleeve toward the body of the piston, said sleeve having a peripheral flange at its outer end to prevent the disk from slipping off, and a spring engaged at one end with the outer end of said sleeve and at the other end with one end of the cylinder to hold the sleeve on the hub and tend constantly to keep the piston in the opposite end of the cylinder.

2,297,656
HIGH OVERSHOE
Leslie H. L'Hollier, Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 20, 1940, Serial No. 366,328
5 Claims. (Cl. 36—7.3)



1. A high, light-weight overshoe adapted to be easily mounted over a shoe and to extend upwardly along the leg of the wearer in a loose but totally-encircling, weatherproof manner while being held by said shoe against slippage therein, said overshoe comprising a foot portion and a leg portion of thin, highly extensible rubber extending smoothly and unbrokenly thereover, and an extensible stockinet lining, the wales of said stockinet lining extending diagonally from points at the rear of the article to lower points at the front thereof about the leg portion and the ankle portion providing up and down stretchability as well as circumferential stretchability in such portions and extending generally lengthwise in the foot portion.

2,297,657
QUICKLY REMOVABLE BOOT
Leslie H. L'Hollier, Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 27, 1941, Serial No. 385,430
5 Claims. (Cl. 36—50)



1. A quickly removable article of footwear comprising a foot covering having a vent extending

from the region of the toe to the top of the covering, a fully separable slide fastener for said vent having inter-engageable fastening elements secured at opposite margins of the vent and a slider having means movably engaging said elements to open said vent completely by movement of the slider to the top of the upper and to close said vent by movement of the slider toward the toe of the article, said article having a strap-like handle fixed at one end to said slider and removably secured at its opposite end to the covering at a position above the closed position of the slider and near said vent in a position for ready grasping of the handle.

2,297,658

ORGANIC ARSENIC COMPOUND-BEARING LUBRICANTS

Bert H. Lincoln and Gordon D. Byrkit, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

No Drawing. Application March 14, 1940, Serial No. 323,960
9 Claims. (Cl. 252—35)

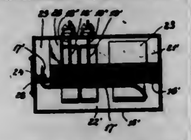
8. A lubricant comprising in combination an oil of lubricating viscosity and from 0.001 to 5 per cent of an arsenical derivative of an aromatic amine having the formula $(RNH_2)AsX_{3-n}$ in which R is an aromatic radical, n is at least one but not more than two, and X is a radical selected from the group consisting of halogens and OR^1 radicals in which R^1 is an organic radical, said arsenical derivative being further characterized by a direct arsenic to nitrogen bond and by having no direct arsenic to carbon linkage.

2,297,659

ELECTRICAL TRANSFORMER

Lionel Lorant, Sunnyside, N. Y., assignor to Super Electric Products Corp., Jersey City, N. J., a corporation of New Jersey

Application October 15, 1940, Serial No. 361,202
2 Claims. (Cl. 175—361)



1. In a device of the character described, a transformer comprising a core having primary and unshielded secondary coils thereon, a metallic casing housing the transformer, metallic elements extending from the core portion carrying the coils, towards the walls of the casing, whereby the casing is substantially divided by the core into two compartments, a metallic member extending from the core and substantially partitioning one of said compartments into two chambers; said metallic member being positioned beyond the secondary coil portion remotest from the primary coil; parts of all the coils residing in the undivided compartment, and only in one of the chambers of the other compartment; the secondary internal terminal leans lying wholly within said chamber, and the primary internal terminal leads lying within the undivided compartment and extending only into the second of said chambers; the casing being provided with an opening into said second chamber for access to the primary leads, a closure member mounted on the casing for closing said opening, and a metallic shielding means on the primary coil.

2,297,660

NONAQUEOUS DRILLING FLUID

Willem Martin Masee, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 27, 1940, Serial No. 348,032. In the Netherlands November 16, 1939
7 Claims. (Cl. 252—8.5)

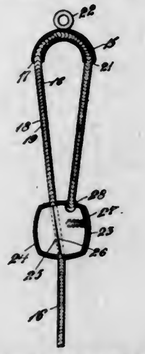
1. A drilling fluid comprising a non-aqueous suspending liquid, a finely divided solid suspended material, a small quantity of an alkali metal soap of an unsaturated carboxylic acid having more than ten carbon atoms and at least two double bonds, and a small amount of a free base.

2,297,661

CHAIN SLIDE

Nathaniel N. Okun, Bronx, N. Y., assignor to Swank Products, Inc., a corporation of Delaware

Application May 19, 1939, Serial No. 274,503
2 Claims. (Cl. 59—93)



2. In a device for personal wear, for adjustably attaching an article to the clothing of the user, in combination with a flexible metal link chain symmetrical with reference to its longitudinal center and having limits of flexibility, a slide providing a substantially semi-circular curved tubular bore of a size to closely fit and confine the chain within the walls of the bore and having a curvature on an arc of a radius at least as great as the limit of flexibility of said member and a unit to which both ends of the chain lead from said slide to points more closely spaced than the ends of said slide, one end of the chain passing through the unit and slidably related thereto, whereby the direction of movement of the chain through the member is reversed and an article carried by one end of the chain may be adjusted as to its distance from the slide by sliding movement of the chain through said bore, and means located at the middle of the convex side of the slide for attachment to a supporting member.

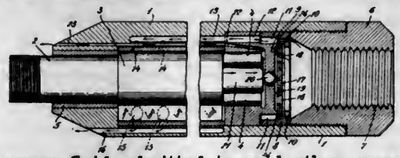
2,297,662

TUBE CLEANER MOTOR

Arthur V. Small, Augusta, Kans., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application June 29, 1940, Serial No. 343,135
3 Claims. (Cl. 253—3)

1. A rotary fluid motor comprising a casing, and therein a rotor, passages adapted to admit a predetermined supply of power fluid to said rotor, other passages adapted to admit additional power fluid to said rotor, and valve means actuated by said rotor and acting to vary the amount



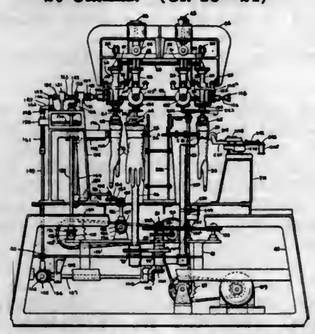
of power fluid admitted to said other passages proportionately to the axial thrust developed in said rotor by the external load applied to said rotor.

2,297,663

METHOD AND APPARATUS FOR MAKING RUBBER GOODS

Otto A. Strassman, Akron, Ohio, assignor to Seiberling Latex Products Company, Barberton, Ohio, a corporation of Ohio

Application April 10, 1939, Serial No. 267,154
20 Claims. (Cl. 18—24)



1. Apparatus of the character described comprising the combination with a conveyor for carrying a form having a rubber article thereon, a pair of cutters for engaging said form while on the conveyor to cut a continuous strip about the periphery of said article and thereby to cut the article to length with a trimmed edge, means for removing said strip from said form, and means for rolling the material at said trimmed edge of the article to form a continuous bead.

2,297,664

CONCENTRATING LANGBEINITE

Francis X. Tartaron, Allen T. Cole, and James B. Duke, Mulberry, Fla., assignors to Phosphate Recovery Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application November 28, 1941, Serial No. 420,818
21 Claims. (Cl. 209—167)

1. In the wet concentration of potash ores containing langbeinite, the step of mixing with a pulp of the ore, prepared by adding the ore to a saturated aqueous solution of its soluble constituents, a metallic sulphonate of the general formula $RCOXR'SO_3M$, where:

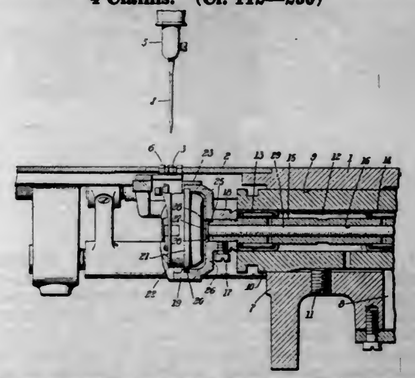
R is a straight chain aliphatic hydrocarbon group containing at least eleven carbon atoms;
X is oxygen or a NH group;
R is a divalent straight short chain hydrocarbon group containing not more than five carbon atoms; and
M is an alkali metal,
and separating the langbeinite from the pulp in the form of a concentrate.

2,297,665

LUBRICATING MEANS FOR SEWING MACHINE LOOP TAKERS

Sydney Zonis, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application November 5, 1940, Serial No. 364,394
4 Claims. (Cl. 112—256)



1. In a sewing machine having stitch-forming mechanism including a rotary loop-taker shaft provided with a longitudinal bore open at one end of said shaft, a loop-taker having an axially apertured hub and a cup-shaped body comprising a generally cylindrical side wall and a bottom wall, means for securing said loop-taker upon said open end of the loop-taker shaft with the bottom wall of the loop-taker disposed in spaced relation to said end of the shaft, thereby to provide in the hub of the loop-taker a lubricant-cavity closed at one end by a portion of said bottom wall of the loop-taker, said side wall of the loop-taker body being internally provided with a thread-carrier raceway, and a thread-carrier journaled in said raceway and restrained against rotation with said loop-taker, the improvement which consists in the provision in the hub-cavity end closure portion of the bottom wall of said loop-taker of a lubricant-conducting aperture connecting said lubricant-cavity with the inner face of said loop-taker in a direction substantially parallel to the axis of rotation of the loop-taker, said lubricant-conducting aperture being constricted relatively to the bore and offset from the axis of rotation of said shaft, and a lubricant-conducting wick disposed in the bore of said shaft and having one end thereof disposed in contact with the outer face of the bottom wall of the loop-taker adjacent the aperture in said bottom wall.

2,297,666

INTERNAL CORROSION PREVENTION IN CONDUITS

Aaron Wachter, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 9, 1940, Serial No. 323,237
3 Claims. (Cl. 44—72)

2. The process of inhibiting internal corrosion in a ferrous metal pipeline carrying gasoline, comprising subjecting the pipeline to the inhibiting action of an aqueous solution of an alkali metal nitrite carried by the gasoline, the concentration of the alkali metal nitrite being less than 0.01% by weight of the gasoline in any part of said pipeline and the pH of the alkali metal nitrite solution being between 8 and 12.

from the region of the toe to the top of the covering, a fully separable slide fastener for said vent having inter-engageable fastening elements secured at opposite margins of the vent and a slider having means movably engaging said elements to open said vent completely by movement of the slider to the top of the upper and to close said vent by movement of the slider toward the toe of the article, said article having a strap-like handle fixed at one end to said slider and removably secured at its opposite end to the covering at a position above the closed position of the slider and near said vent in a position for ready grasping of the handle.

2,297,658
ORGANIC ARSENIC COMPOUND-BEARING LUBRICANTS

Bert H. Lincoln and Gordon D. Byrkit, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

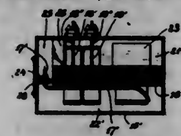
No Drawing. Application March 14, 1940, Serial No. 323,960
9 Claims. (Cl. 252—35)

8. A lubricant comprising in combination an oil of lubricating viscosity and from 0.001 to 5 per cent of an arsenical derivative of an aromatic amine having the formula $(RNH_n)AsX_{3-n}$ in which R is an aromatic radical, n is at least one but not more than two, and X is a radical selected from the group consisting of halogens and OR^1 radicals in which R^1 is an organic radical, said arsenical derivative being further characterized by a direct arsenic to nitrogen bond and by having no direct arsenic to carbon linkage.

2,297,659
ELECTRICAL TRANSFORMER

Lionel Lorant, Sunnyside, N. Y., assignor to Super Electric Products Corp., Jersey City, N. J., a corporation of New Jersey

Application October 15, 1940, Serial No. 361,202
2 Claims. (Cl. 175—341)



1. In a device of the character described, a transformer comprising a core having primary and unshielded secondary coils thereon, a metallic casing housing the transformer, metallic elements extending from the core portion carrying the coils, towards the walls of the casing, whereby the casing is substantially divided by the core into two compartments, a metallic member extending from the core and substantially partitioning one of said compartments into two chambers; said metallic member being positioned beyond the secondary coil portion remotest from the primary coil; parts of all the coils residing in the undivided compartment, and only in one of the chambers of the other compartment; the secondary internal terminal leans lying wholly within said chamber, and the primary internal terminal leads lying within the undivided compartment and extending only into the second of said chambers; the casing being provided with an opening into said second chamber for access to the primary leads, a closure member mounted on the casing for closing said opening, and a metallic shielding means on the primary coil.

2,297,660
NONAQUEOUS DRILLING FLUID

Willem Martin Masee, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

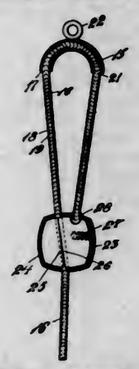
No Drawing. Application July 27, 1940, Serial No. 348,032. In the Netherlands November 16, 1939
7 Claims. (Cl. 252—8.5)

1. A drilling fluid comprising a non-aqueous suspending liquid, a finely divided solid suspended material, a small quantity of an alkali metal soap of an unsaturated carboxylic acid having more than ten carbon atoms and at least two double bonds, and a small amount of a free base.

2,297,661
CHAIN SLIDE

Nathaniel N. Okun, Bronx, N. Y., assignor to Swank Products, Inc., a corporation of Delaware

Application May 19, 1939, Serial No. 274,503
2 Claims. (Cl. 59—93)



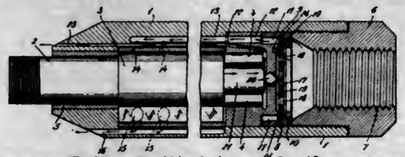
2. In a device for personal wear, for adjustably attaching an article to the clothing of the user, in combination with a flexible metal link chain symmetrical with reference to its longitudinal center and having limits of flexibility, a slide providing a substantially semi-circular curved tubular bore of a size to closely fit and confine the chain within the walls of the bore and having a curvature on an arc of a radius at least as great as the limit of flexibility of said member and a unit to which both ends of the chain lead from said slide to points more closely spaced than the ends of said slide, one end of the chain passing through the unit and slidably related thereto, whereby the direction of movement of the chain through the member is reversed and an article carried by one end of the chain may be adjusted as to its distance from the slide by sliding movement of the chain through said bore, and means located at the middle of the convex side of the slide for attachment to a supporting member.

2,297,662
TUBE CLEANER MOTOR

Arthur V. Small, Augusta, Kans., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application June 29, 1940, Serial No. 343,135
3 Claims. (Cl. 253—3)

1. A rotary fluid motor comprising a casing, and therein a rotor, passages adapted to admit a predetermined supply of power fluid to said rotor, other passages adapted to admit additional power fluid to said rotor, and valve means actuated by said rotor and acting to vary the amount

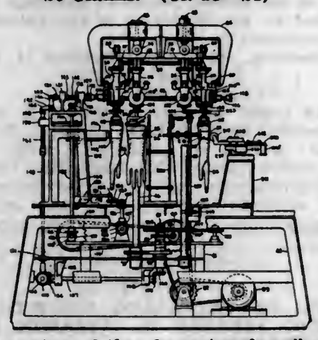


of power fluid admitted to said other passages proportionately to the axial thrust developed in said rotor by the external load applied to said rotor.

2,297,663
METHOD AND APPARATUS FOR MAKING RUBBER GOODS

Otto A. Strassman, Akron, Ohio, assignor to Seiberling Latex Products Company, Barberton, Ohio, a corporation of Ohio

Application April 10, 1939, Serial No. 267,154
20 Claims. (Cl. 18—24)



1. Apparatus of the character described comprising the combination with a conveyor for carrying a form having a rubber article thereon, a pair of cutters for engaging said form while on the conveyor to cut a continuous strip about the periphery of said article and thereby to cut the article to length with a trimmed edge, means for removing said strip from said form, and means for rolling the material at said trimmed edge of the article to form a continuous bead.

2,297,664
CONCENTRATING LANGBEINITE

Francis X. Tartaron, Allen T. Cole, and James B. Duke, Mulberry, Fla., assignors to Phosphate Recovery Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application November 28, 1941, Serial No. 420,818
21 Claims. (Cl. 209—167)

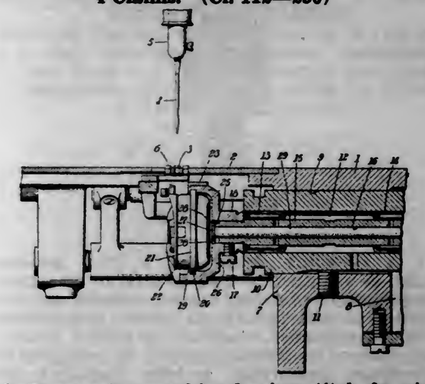
1. In the wet concentration of potash ores containing langbeinite, the step of mixing with a pulp of the ore, prepared by adding the ore to a saturated aqueous solution of its soluble constituents, a metallic sulphonate of the general formula $RCOXR'SO_3M$, where:

R is a straight chain aliphatic hydrocarbon group containing at least eleven carbon atoms;
X is oxygen or a NH group;
R is a divalent straight short chain hydrocarbon group containing not more than five carbon atoms; and
M is an alkali metal,
and separating the langbeinite from the pulp in the form of a concentrate.

2,297,665
LUBRICATING MEANS FOR SEWING MACHINE LOOP TAKERS

Sydney Zonis, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application November 5, 1940, Serial No. 364,394
4 Claims. (Cl. 112—256)



1. In a sewing machine having stitch-forming mechanism including a rotary loop-taker shaft provided with a longitudinal bore open at one end of said shaft, a loop-taker having an axially apertured hub and a cup-shaped body comprising a generally cylindrical side wall and a bottom wall, means for securing said loop-taker upon said open end of the loop-taker shaft with the bottom wall of the loop-taker disposed in spaced relation to said end of the shaft, thereby to provide in the hub of the loop-taker a lubricant-cavity closed at one end by a portion of said bottom wall of the loop-taker, said side wall of the loop-taker body being internally provided with a thread-carrier raceway, and a thread-carrier journaled in said raceway and restrained against rotation with said loop-taker, the improvement which consists in the provision in the hub-cavity end closure portion of the bottom wall of said loop-taker of a lubricant-conducting aperture connecting said lubricant-cavity with the inner face of said loop-taker in a direction substantially parallel to the axis of rotation of the loop-taker, said lubricant-conducting aperture being constricted relatively to the bore and offset from the axis of rotation of said shaft, and a lubricant-conducting wick disposed in the bore of said shaft and having one end thereof disposed in contact with the outer face of the bottom wall of the loop-taker adjacent the aperture in said bottom wall.

2,297,666
INTERNAL CORROSION PREVENTION IN CONDUITS

Aaron Wachter, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 9, 1940, Serial No. 323,237
3 Claims. (Cl. 44—72)

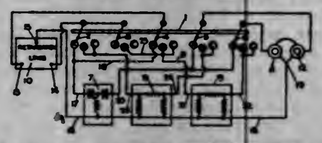
2. The process of inhibiting internal corrosion in a ferrous metal pipeline carrying gasoline, comprising subjecting the pipeline to the inhibiting action of an aqueous solution of an alkali metal nitrite carried by the gasoline, the concentration of the alkali metal nitrite being less than 0.01% by weight of the gasoline in any part of said pipeline and the pH of the alkali metal nitrite solution being between 8 and 12.

2,297,667
YARN HANDLING DEVICE
Albert E. Winslow, New London, Conn., assignor to Atwood Machine Company, a corporation of Connecticut
Application February 16, 1942, Serial No. 431,047
6 Claims. (Cl. 242—124)



1. A receiving device for a yarn package, which is mounted on and secured to an expansible mandrel having means thereon movable relative to said package to release said mandrel from an expanded condition to permit contraction thereof to permit removal of said package therefrom, comprising a base having a post extending therefrom of a dimension to receive said package therein, means in the upper end of said post for cooperation with the releasing means to permit relative rotation of said means to release said mandrel from expanded condition to permit renewal of said package from said mandrel for mounting the same onto said post.

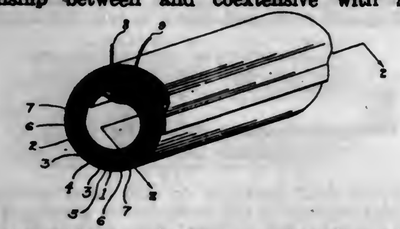
2,297,668
ELECTRIC COMPENSATOR
Laurence Batcheider, Cambridge, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Refiled for abandoned application Serial No. 299,180, October 12, 1939. This application December 5, 1940, Serial No. 368,655
2 Claims. (Cl. 177—386)



1. In a system for determining the direction of a source of compressional waves with the aid of a plurality of spaced receivers and an electric compensator having retardation lines, the combination therewith of a filter, attenuation means, a pair of telephones and switching means for selectively connecting said telephones to said compensator through said attenuation means for binaural listening and for successively switching said telephones for listening by the maximum method with attenuation means without a filter and with a filter without attenuation means.

2,297,669
ELECTROLYTIC CONDENSER
Preston Robinson, Williamstown, and John Burnham, North Adams, Mass.
Application January 27, 1940, Serial No. 316,033
7 Claims. (Cl. 175—315)

1. An A. C. electrolytic condenser comprising two filmed anode foils, a viscous film-maintaining electrolyte and floating electrodes embedded in said electrolyte and interposed in spacial relationship between and coextensive with said



anodes, said electrodes having surface dimensions greater than those of said anodes and extending beyond all edges of said anodes.

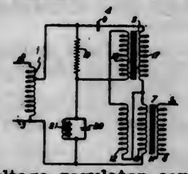
2,297,670
METHOD OF PROTECTING BOILERS AND THE LIKE AGAINST EMBRITTLEMENT
Wilburn C. Schroeder, Hyattsville, and Abraham A. Berk, Berwyn, Md., assignors to the Government of the United States of America, as represented by the Secretary of the Interior and his successors in office
No Drawing. Application October 31, 1938, Serial No. 237,982
14 Claims. (Cl. 210—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of protecting boiler metal against embrittlement which comprises introducing a phlobatannin into the boiler water in an amount adequate for retarding the embrittlement producing tendency of other substances therein.

2,297,671
PROCESS OF PREPARING GROWTH PROMOTING VITAMIN B_2 (VITAMIN G) BY FERMENTATION
Isue Yamasaki, Fukuoka, Japan; vested in the Alien Property Custodian
No Drawing. Application October 10, 1938, Serial No. 234,290. In Japan February 9, 1938
4 Claims. (Cl. 195—42)

3. A process of preparing growth promoting vitamin B_2 by fermentation of whey by means of acetone butylalcohol bacteria of the species Cl. acetobutylicum (Weizmann) under condition of adding to the mash from 0.5 to 2.0%, based on the mash, of a calcium salt, selected from a class consisting of calcium carbonate and calcium acetate, in the early stage of fermentation between 0 to 7 hours after the inoculation.

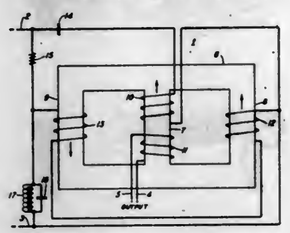
2,297,672
VOLTAGE REGULATOR
Bruce E. Stevens, Kew Gardens, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1940, Serial No. 354,998
7 Claims. (Cl. 171—119)



1. In a voltage regulator connected between an alternating current supply circuit and a load

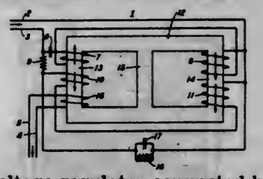
circuit, a ferro-resonance circuit the impedance of which is capacitive during normal operation connected to said supply circuit, a transformer having a first winding in the ferro-resonance circuit, an auxiliary winding, a load circuit connected to said transformer, control means for energizing said auxiliary winding according to variations in the supply circuit voltage for producing a flux less than and opposing the flux due to current in said first winding but which varies at a greater rate for supply circuit voltage changes, and means for minimizing voltage variations in said ferro-resonance circuit due to the current in said auxiliary winding.

2,297,673
VOLTAGE REGULATOR
Bruce E. Stevens, Kew Gardens, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1940, Serial No. 354,999
24 Claims. (Cl. 171—119)



1. In a voltage regulator, control means comprising a ferro-resonance circuit operating above the jumping point of its characteristic curve for connecting a supply circuit to a load circuit and for maintaining constant voltage on the load circuit irrespective of voltage changes of the supply circuit, and means for governing said control means to compensate for frequency and temperature changes.

2,297,674
VOLTAGE REGULATOR
Bruce E. Stevens, Kew Gardens, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1940, Serial No. 355,000
12 Claims. (Cl. 171—119)

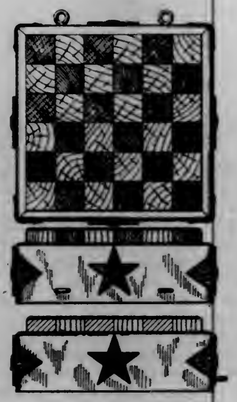


1. In a voltage regulator connected between an alternating current supply circuit and a load circuit, a three-legged core, a transformer having a primary and a secondary winding, at least one compensating winding, said transformer windings and said compensating winding being mounted on at least two legs of said core, a ferro-resonance circuit connected across said supply circuit and comprising a condenser and the primary winding of said transformer, and a compensating circuit comprising a resistance element connected in series with said compensating winding across said supply circuit for producing a flux opposing the flux of said primary winding to maintain constant voltage across said secondary winding irrespective of supply circuit voltage changes and load changes.

DESIGNS

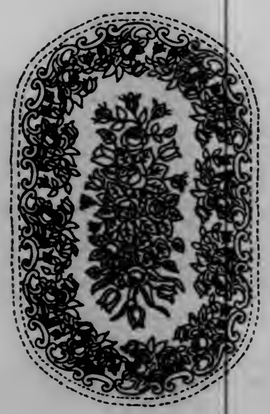
SEPTEMBER 29, 1942

133,900
DESIGN FOR A MEAT BLOCK
Samuel Jackson Brown, West Point, Ky.
Application July 27, 1942, Serial No. 107,717
Term of patent 7 years



The ornamental design for a meat block, as shown.

133,901
DESIGN FOR A RUG
Helen Martin King, Beebe, Ark.
Application November 10, 1941, Serial No. 104,106
Term of patent 3½ years



The ornamental design for a rug, substantially as shown.

133,902
DESIGN FOR A COMBINED ARMCHAIR AND ASH RECEPTACLE
Harvey W. Rosenblum, Shaker Heights, Ohio
Application December 11, 1941, Serial No. 104,566
Term of patent 7 years



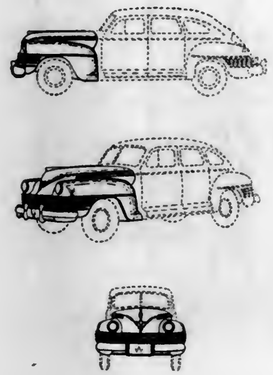
The ornamental design for a combined armchair and ash receptacle, substantially as shown and described.

133,903
DESIGN FOR A SHOE
Charles Tweedie, Jefferson City, Mo.
Application December 26, 1941, Serial No. 104,861
Term of patent 14 years



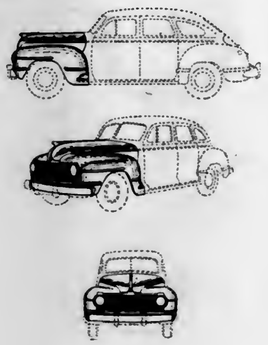
The ornamental design for a shoe, as shown and described.

133,904
DESIGN FOR AN AUTOMOBILE
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 18, 1941, Serial No. 104,702
Term of patent 7 years



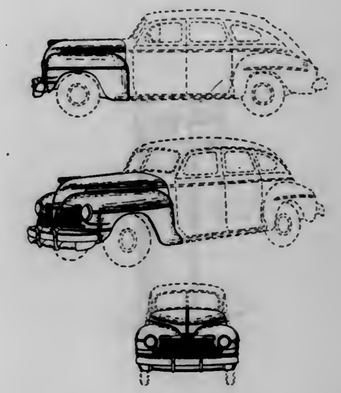
The ornamental design for an automobile, substantially as shown and described.

133,905
DESIGN FOR AN AUTOMOBILE
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 18, 1941, Serial No. 104,703
Term of patent 7 years



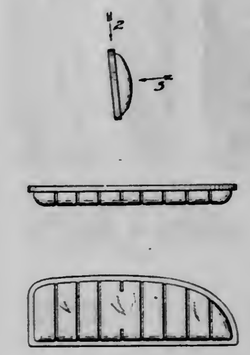
The ornamental design for an automobile, substantially as shown and described.

133,906
DESIGN FOR AN AUTOMOBILE
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 18, 1941, Serial No. 104,704
Term of patent 7 years



The ornamental design for an automobile, substantially as shown and described.

133,907
DESIGN FOR A LAMP LENS
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application February 18, 1942, Serial No. 105,869
Term of patent 7 years



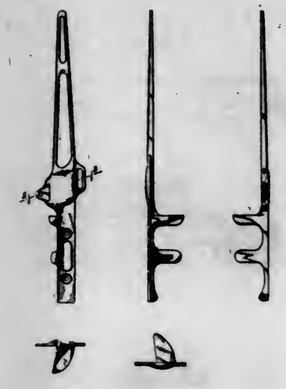
The ornamental design for a lamp lens, as shown.

133,908
DESIGN FOR A COMBINATION GAS AND LIQUID SEPARATOR OR THE LIKE
Eric Gustafson and John W. Baur, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application August 6, 1942, Serial No. 107,834
Term of patent 7 years



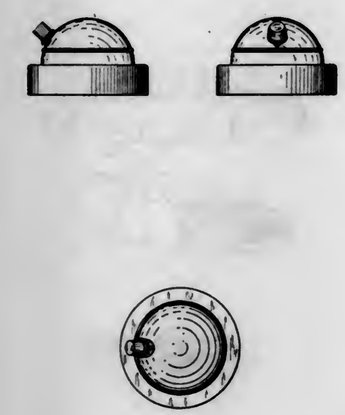
The ornamental design for a combination gas and liquid separator or the like, substantially as shown.

133,909
DESIGN FOR A BRACKET FOR SUPPORTING AN OUTBOARD MOTOR
James W. Harvey, Lakeville, Conn.
Application October 4, 1940, Serial No. 95,695
Term of patent 7 years



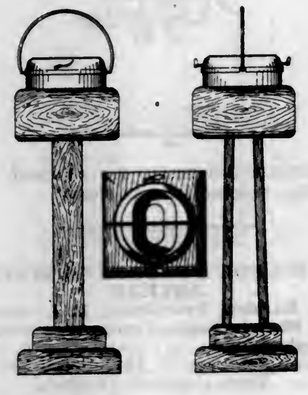
The ornamental design for a bracket for supporting an outboard motor, substantially as shown.

133,910
DESIGN FOR A DISPENSING CONTAINER TOP
Ellis M. Houghton, Marion, Ohio, assignor to Double Duty Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 5, 1941, Serial No. 101,923
Term of patent 14 years



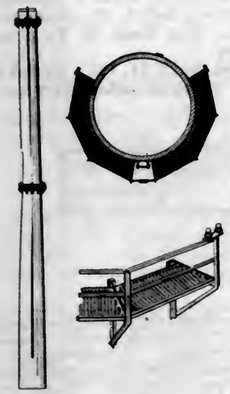
The ornamental design for a dispensing container top, substantially as shown.

133,911
DESIGN FOR A PYLON SMOKER
James B. Ladd, Chicago, Ill., assignor to Cadet Smokestands Company, Des Moines, Iowa, a trust
Application January 5, 1942, Serial No. 105,030
Term of patent 14 years



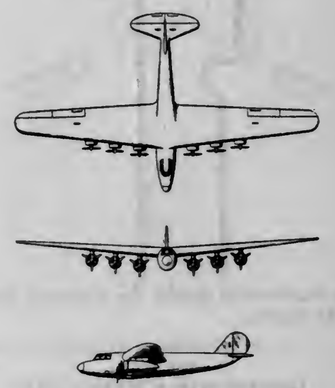
The ornamental design for a pylon smoker, substantially as shown.

133,912
DESIGN FOR A COMBINED CHIMNEY, LAMP SUPPORTING STRUCTURE, AND LAMPS
Clyde K. Lamb, Cleveland, Ohio
Application January 23, 1942, Serial No. 105,388
Term of patent 14 years



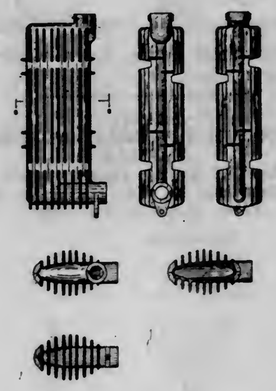
The ornamental design for a combined chimney, lamp supporting structure and lamps, substantially as shown.

133,913
DESIGN FOR AN AIRPLANE
Othmar F. Maycen, Bronx, N. Y.
Application April 1, 1942, Serial No. 106,414
Term of patent 7 years



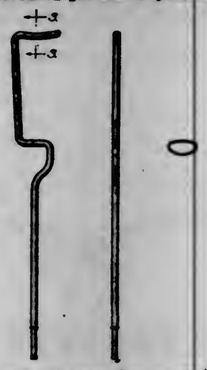
The ornamental design for an airplane, as shown.

133,914
DESIGN FOR HEAT-ABSORBING WATER CONDUIT FOR TANK WATER HEATERS
Clarence H. Morrow, Shaker Heights, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio
Application May 5, 1942, Serial No. 106,796
Term of patent 14 years



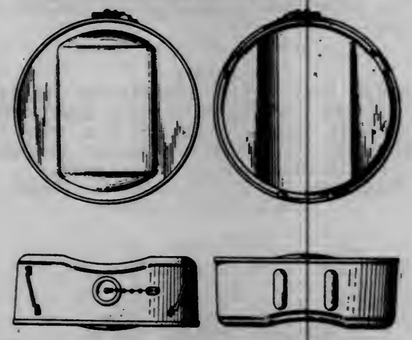
The ornamental design for a heat-absorbing water conduit for tank water heaters, as shown.

133,915
DESIGN FOR A CRUTCH
Thornton S. Penn, Des Moines, Iowa
Application May 26, 1942, Serial No. 107,016
Term of patent 7 years



The ornamental design for a crutch, substantially as shown.

133,916
DESIGN FOR A WATER CAN
Bestor Robinson, United States Army, Oakland, Calif.
Application July 30, 1942, Serial No. 107,766
Term of patent 3½ years



The ornamental design for a water can, as shown.

133,917
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Lloyd H. Astrup, Detroit, Mich.
Application July 29, 1942, Serial No. 107,743
Term of patent 3½ years



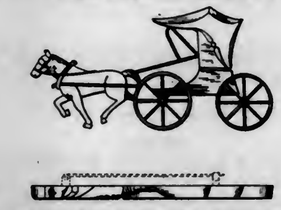
The ornamental design for a brooch or similar article, as shown.

133,918
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application January 21, 1942, Serial No. 105,350
Term of patent 14 years



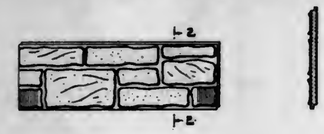
The ornamental design for a brooch or similar article, substantially as shown.

133,919
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application February 25, 1942, Serial No. 105,982
Term of patent 14 years



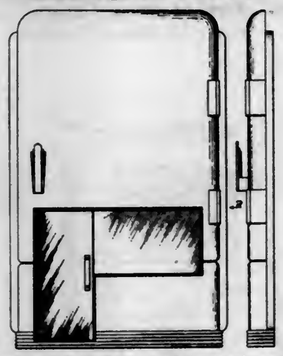
The ornamental design for a brooch or similar article, substantially as shown.

133,920
DESIGN FOR A SIDING
Clayton Beeson, Joliet, Ill., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application April 11, 1941, Serial No. 100,323
Term of patent 14 years



The ornamental design for a siding, substantially as shown and described.

133,921
DESIGN FOR A STORE FRONT
Francois Uldege Dumas, Spencer, Mass.
Application June 2, 1941, Serial No. 101,257
Term of patent 14 years



The ornamental design for a store front, as shown.

133,922
DESIGN FOR A PIN OR SIMILAR ARTICLE
Fred L. Landsberg, New York, N. Y.
Application January 26, 1942, Serial No. 105,436
Term of patent 3½ years



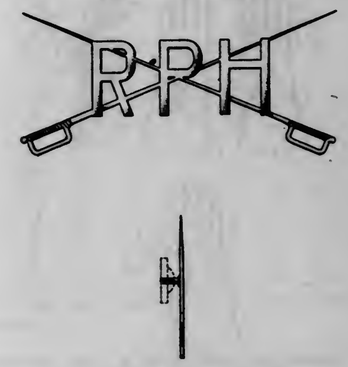
The ornamental design for a pin or similar article, substantially as shown.

133,923
DESIGN FOR A RING
Saul Rubin, Chicago, Ill.
Application April 2, 1942, Serial No. 106,431
Term of patent 3½ years



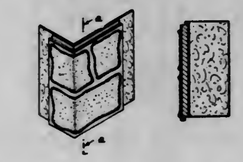
The ornamental design for a ring, as shown.

133,924
DESIGN FOR A LAPEL PIN
Clark B. Sparkman, La Porte, Ind.
Application February 11, 1942, Serial No. 105,758
Term of patent 3½ years



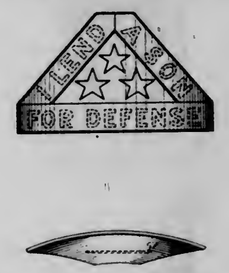
The ornamental design for a lapel pin, as shown.

133,925
DESIGN FOR A SIDING CORNER PIECE
George W. Strunk and George Lehr, Joliet, Ill., assignors to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application April 11, 1941, Serial No. 100,322
Term of patent 14 years



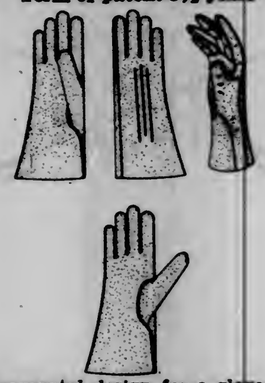
The ornamental design for a siding corner piece, substantially as shown and described.

133,926
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Harry J. Ulmer, Cincinnati, Ohio
Application May 10, 1941, Serial No. 100,893
Term of patent 3½ years



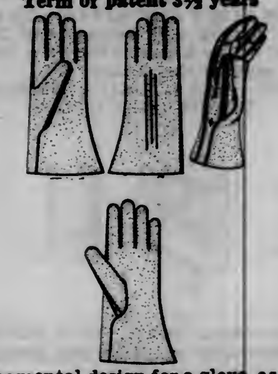
The ornamental design for a badge or similar article, as shown.

133,927
DESIGN FOR A GLOVE
Herman Balzano, Gloversville, N. Y.
Application February 4, 1942, Serial No. 105,642
Term of patent 3½ years



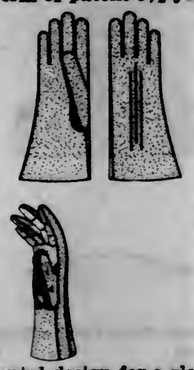
The ornamental design for a glove, as shown.

133,928
DESIGN FOR A GLOVE
Herman Balzano, Gloversville, N. Y.
Application February 12, 1942, Serial No. 105,772
Term of patent 3½ years



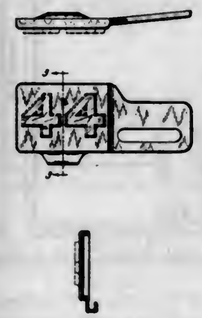
The ornamental design for a glove, as shown.

133,929
DESIGN FOR A GLOVE
Herman Balzano, Gloversville, N. Y.
Application February 12, 1942, Serial No. 105,773
Term of patent 3½ years



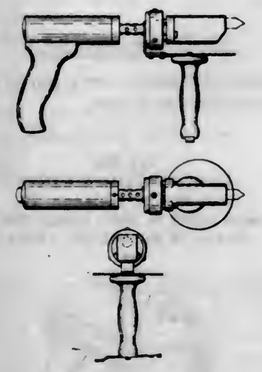
The ornamental design for a glove, as shown.

133,930
DESIGN FOR A YEAR TAG FOR AN AUTOMOBILE LICENSE PLATE
Richard W. Harrison, Charlestown, Mass.
Application May 25, 1942, Serial No. 107,003
Term of patent 7 years



The ornamental design for a year tag for an automobile license plate, substantially as shown.

133,931
DESIGN FOR A RIVET IRON
John W. Harrison, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application July 9, 1942, Serial No. 107,451
Term of patent 14 years



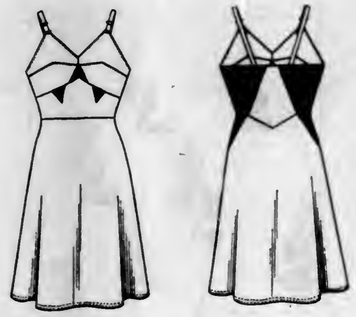
The ornamental design for a rivet iron, substantially as shown and described.

133,932
DESIGN FOR PAJAMAS
William P. McGrail, Bronxville, N. Y., assignor to McLoughlin Manufacturing Company, New York, N. Y., a corporation of Indiana
Application June 5, 1941, Serial No. 101,306
Term of patent 14 years



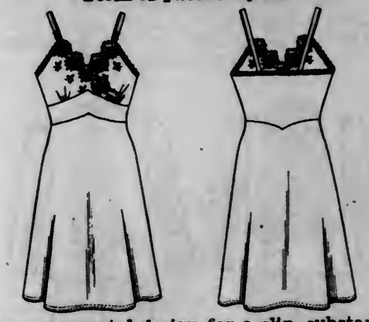
The ornamental design for pajamas, as shown and described.

133,933
DESIGN FOR A SLIP
Semon Wolf, New York, N. Y.
Application August 11, 1942, Serial No. 107,882
Term of patent 14 years



The ornamental design for a slip, substantially as shown.

133,934
DESIGN FOR A SLIP
Semon Wolf, New York, N. Y.
Application August 11, 1942, Serial No. 107,883
Term of patent 7 years



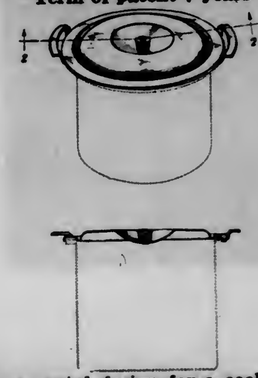
The ornamental design for a slip, substantially as shown.

133,935
DESIGN FOR A SLIP
Semon Wolf, New York, N. Y.
Application August 13, 1942, Serial No. 107,925
Term of patent 7 years



The ornamental design for a slip, substantially as shown.

133,936
DESIGN FOR A COOKER POT
Alfons Barnsteiner, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application August 19, 1941, Serial No. 102,940
Term of patent 7 years



The ornamental design for a cooker pot, substantially as shown and described.

133,937
DESIGN FOR A SUIT
Morton Davis, New York, N. Y.
Application August 25, 1942, Serial No. 108,033
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

133,938
DESIGN FOR A WOVEN ELASTIC FABRIC
Howard F. Lord, Stoughton, Mass., assignor to J. W. Wood Elastic Web Company, Stoughton, Mass., a corporation of Massachusetts
Application January 17, 1942, Serial No. 105,262
Term of patent 14 years



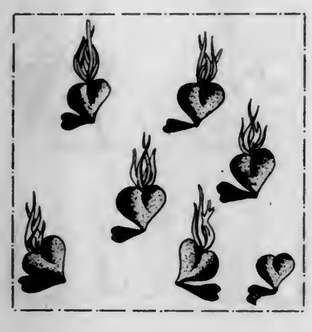
The ornamental design for a woven elastic fabric, as shown and described.

133,939
DESIGN FOR A WOVEN ELASTIC FABRIC
Howard F. Lord, Stoughton, Mass., assignor to J. W. Wood Elastic Web Company, Stoughton, Mass., a corporation of Massachusetts
Application January 17, 1942, Serial No. 105,263
Term of patent 14 years



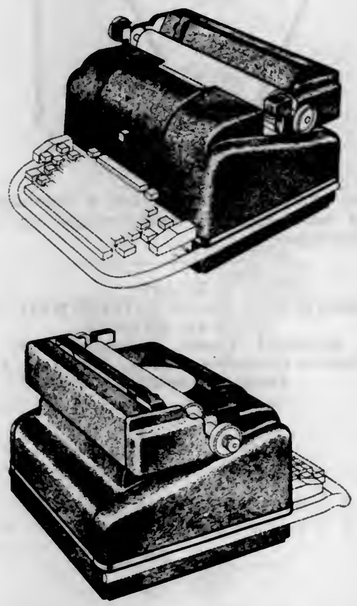
The ornamental design for a woven elastic fabric, as shown and described.

133,940
DESIGN FOR A WRAPPING PAPER OR SIMILAR ARTICLE
Ladislas Medgyes, New York, N. Y., assignor to Helena Rubinstein, Inc., New York, N. Y., a corporation of New York
Application July 14, 1942, Serial No. 107,536
Term of patent 7 years



The ornamental design for a wrapping paper or similar article, as shown.

133,941
DESIGN FOR A TYPEWRITING MACHINE
William J. O'Neil, Atlantic Beach, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application January 20, 1942, Serial No. 105,335
Term of patent 14 years



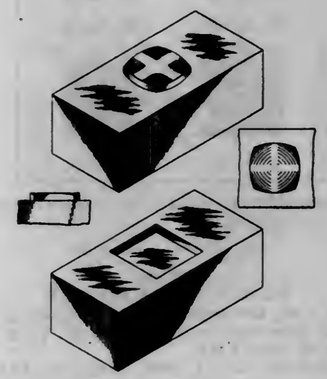
The ornamental design for a typewriting machine, as shown and described.

133,942
DESIGN FOR A DRESS
Mollie Parnis, New York, N. Y.
Application September 1, 1942, Serial No. 108,102
Term of patent 3½ years



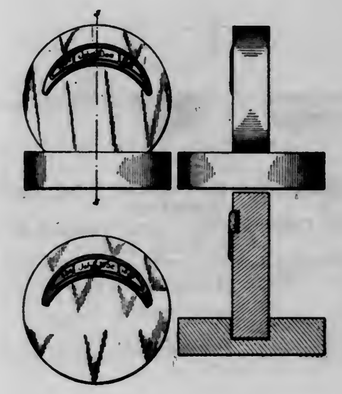
The ornamental design for a dress, substantially as shown.

133,943
DESIGN FOR A VITRIFIED TRAFFIC MARKER
Dean R. Sever, New Philadelphia, and Donald J. Renkert, near Canton, Ohio; said Renkert assignor to The Metropolitan Paving Brick Company, Canton, Ohio, a corporation of Ohio
Application July 26, 1941, Serial No. 102,514
Term of patent 14 years



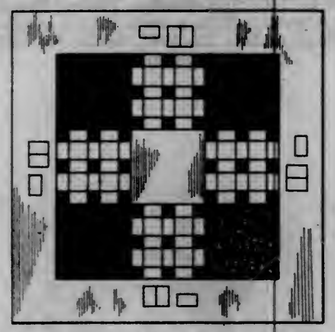
The ornamental design for a vitrified traffic marker, as shown.

133,944
DESIGN FOR A GRAVE MARKER
Gilford Duff Adams, Butterfield, Mo.
Application July 29, 1942, Serial No. 107,735
Term of patent 14 years



The ornamental design for a grave marker, as shown.

133,945
DESIGN FOR A GAME BOARD
Bertha L. Church, Los Angeles, Calif.
Application June 12, 1942, Serial No. 107,182
Term of patent 14 years



The ornamental design for a game board, as shown and described.

133,946
DESIGN FOR A BOTTLE
Lloyd J. Cox, Rochester, N. Y., assignor to Richardson Corporation, Rochester, N. Y., a corporation of New York
Application June 1, 1942, Serial No. 107,065
Term of patent 7 years



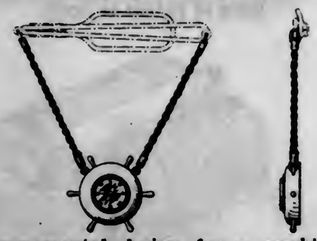
The ornamental design for a bottle, as shown and described.

133,947
DESIGN FOR A TOY MISSILE OR SIMILAR ARTICLE
Albert G. Grier, Katonah, and Frederick M. Schubert, Hollis, N. Y.
Application April 10, 1941, Serial No. 100,308
Term of patent 3½ years



The ornamental design for a toy missile or similar article, substantially as shown.

133,948
DESIGN FOR A COMBINED TIE HOLDER AND COMPASS
Louis H. Gross, Brooklyn, N. Y.
Application September 26, 1941, Serial No. 103,517
Term of patent 7 years



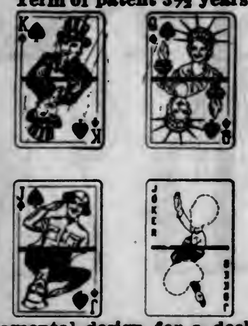
The ornamental design for a combined tie holder and compass, substantially as shown and described.

133,949
DESIGN FOR AN ARTIFICIAL BAIT OR SIMILAR ARTICLE
Edward L. Jacobs, Vicksburg, Mich.
Application December 29, 1941, Serial No. 104,902
Term of patent 14 years



The ornamental design for an artificial bait or similar article, as shown.

133,950
DESIGN FOR A DECK OF PLAYING CARDS
Edward A. Klumpp and Nathan S. Harris, Chicago, Ill., assignors to Arrco Playing Card Company, Chicago, Ill., a corporation of Illinois
Application February 19, 1942, Serial No. 105,890
Term of patent 3½ years



The ornamental design for a deck of playing cards, as shown and described.

133,951
DESIGN FOR A SAVINGS BANK OR SIMILAR ARTICLE
Otto Landy, Chicago, Ill.
Application August 7, 1942, Serial No. 107,842
Term of patent 7 years



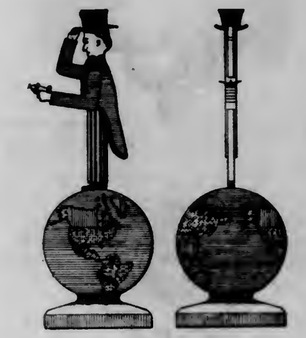
The ornamental design for a savings bank or similar article, substantially as shown and described.

133,952
DESIGN FOR A LINOLEUM OR SIMILAR ARTICLE
William Lynen, Woodhaven, N. Y., assignor to Bonafide Mills, Inc., New York, N. Y., a corporation of Maine
Application April 14, 1942, Serial No. 106,572
Term of patent 7 years



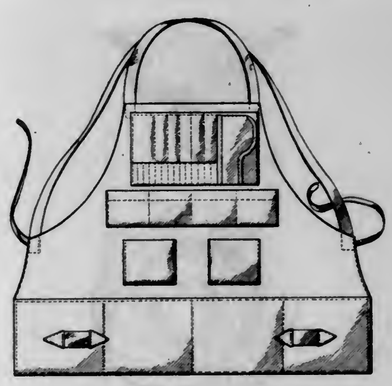
The ornamental design for a linoleum or similar article, substantially as shown.

133,953
DESIGN FOR A NOVELTY TOY
George L. Phillips, Newkirk, Okla.
Application June 15, 1942, Serial No. 107,201
Term of patent 14 years



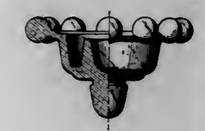
The ornamental design for a novelty toy, substantially as shown.

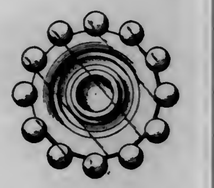
133,954
DESIGN FOR A MECHANIC'S APRON
Fannie Siegle, Seattle, Wash.
Application June 15, 1942, Serial No. 107,205
Term of patent 7 years



The ornamental design for a mechanic's apron, as shown.

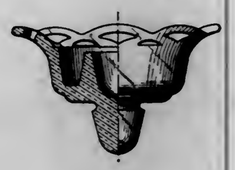
133,955
DESIGN FOR A HURRICANE LAMP ADAPTER FOR CANDLESTICKS OR SIMILAR ARTICLE
Carl J. Uhrmann, Bellaire, Ohio, assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application May 28, 1942, Serial No. 107,029
Term of patent 14 years





The ornamental design for a hurricane lamp adapter for candlesticks or similar article, substantially as shown.

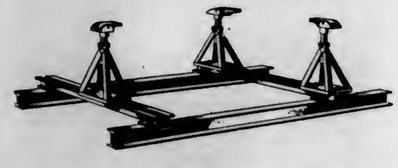
133,956
DESIGN FOR A HURRICANE LAMP ADAPTER FOR CANDLESTICKS OR SIMILAR ARTICLE
Carl J. Uhrmann, Bellaire, Ohio, assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application May 28, 1942, Serial No. 107,030
Term of patent 14 years





The ornamental design for a hurricane lamp adapter for candlesticks or similar article, substantially as shown.

133,957
DESIGN FOR AN ENGINE STAND
Lawrence W. Alfred, Denver, Colo.
Application August 19, 1942, Serial No. 107,962
Term of patent 3½ years



The ornamental design for an engine stand, as shown.

133,958
DESIGN FOR A DRESS
Robert Caine, New York, N. Y.
Application September 4, 1942, Serial No. 108,126
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,959
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application September 7, 1942, Serial No. 108,151
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,960
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application September 7, 1942, Serial No. 108,152
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

133,961
DESIGN FOR A TEXTILE FABRIC
Frank C. Green, Great Neck, N. Y.
Application September 4, 1942, Serial No. 108,123
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

133,962
DESIGN FOR A TEXTILE FABRIC
Frank C. Green, Great Neck, N. Y.
Application September 4, 1942, Serial No. 108,124
Term of patent 3½ years



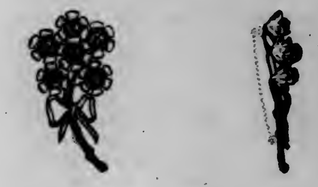
The ornamental design for a textile fabric, substantially as shown.

133,963
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Massa Raimond, Malden, Mass.
Application September 1, 1942, Serial No. 108,093
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

133,964
DESIGN FOR A PIN CLIP
Massa Raimond, Malden, Mass.
Application September 1, 1942, Serial No. 108,094
Term of patent 3½ years



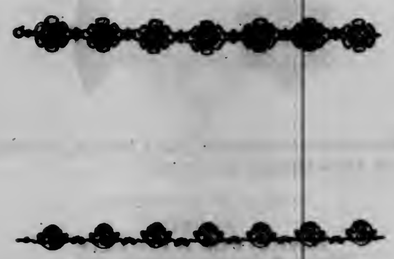
The ornamental design for a pin clip, substantially as shown.

133,965
DESIGN FOR A NECKLACE
Massa Raimond, Malden, Mass.
Application September 1, 1942, Serial No. 108,095
Term of patent 3½ years



The ornamental design for a necklace, substantially as shown.

133,966
DESIGN FOR A BRACELET
Massa Raimond, Malden, Mass.
Application September 1, 1942, Serial No. 108,096
Term of patent 3½ years



The ornamental design for a bracelet, substantially as shown.

133,967
DESIGN FOR AN EARRING
Massa Raimond, Malden, Mass.
Application September 1, 1942, Serial No. 108,097
Term of patent 3½ years



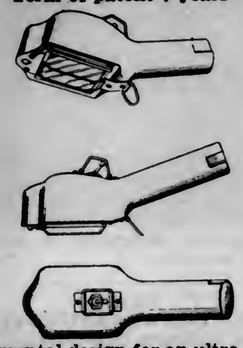
The ornamental design for an earring, substantially as shown.

133,968
DESIGN FOR A HANDBAG
William Tashman, Chicago, Ill.
Application July 20, 1942, Serial No. 107,613
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.

133,969
DESIGN FOR ULTRAVIOLET LAMP
Thomas S. Warren, Los Angeles, Calif.
Application July 13, 1942, Serial No. 107,519
Term of patent 7 years



The ornamental design for an ultra violet lamp, as shown.

OFFICIAL GAZETTE

OF THE

UNITED STATES PATENT OFFICE

I

VOLUME 543

OCTOBER

1942

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1942

CARNEGIE LIBRARY OF ATLANTA

R608
13
v.543
Oct.1942

CONTENTS

	Page
DECISIONS OF THE COMMISSIONER OF PATENTS, October 6, 13, 20, 27	3, 195, 433, 651
TRADE-MARKS PUBLISHED AND REGISTERED, October 6, 13, 20, 27	13, 205, 457, 665
REISSUES, October 6, 13, 20, 27	33, 225, 479, 683
PLANT PATENTS, October 6, 13, 20, 27	34, 226, 480, ——
PATENTS, October 6, 13, 20, 27	35, 227, 481, 685
DESIGNS, October 6, 13, 20, 27	178, 414, 636, 846

ANNOUNCEMENTS

	Page
ADVERSE DECISIONS IN INTERFERENCE	193
APPLICATIONS—Condition of pending	2, 194, 432, 650
APPLICATION FILED BY AGENT DUE TO WAR CONDITIONS—*Order No. 3662*	649
BULLETIN OF DECISIONS ON TRADE-MARKS	662
CLASSIFICATION OF INVENTION—Transfer of class—*Order No. 3656*	1
Order No. 3657	193
Order No. 3660	431
CLASSIFICATION OF INVENTION—Changes in—*Order No. 3665-A*	443
COPIES OF PATENTS—Instruction re ordering	1
DISCLAIMERS—Dwyer, William M	204
Gibbons, Willis A	649
Hammond, Jr., John H	204
Kelly, Timothy J	443
Le Tourneau, Robert G	649
Livingston, Callard	204
Morgenstern, Ronald V., et al	204
Niederl, Joseph B	204
Obert, Casin W	443
Reynolds, Jr., Harold C., et al	649
Root, John H	443
Shrader, Terry M	204
Young, Howard F. (2 cases)	443
DRAWINGS—Instructions re filing	431
INTERFERENCE NOTICE—Green & Gold Groves, Inc	1, 193, 431
PATENT SUITS	11, 203, 442, 660
PATENTS—List of adjudicated	204, 661
SPECIFICATION NOT RETURNED TO APPLICANT—*Rule 72*	431
T. M. REGISTRATIONS—Canceled	443
Notice of cancellation	1, 193, 649

TABLE OF CASES REPORTED

	Page
*Ball *v.* Hodgson and Kuhn	9
*Christmann, et al., In re	3
*Clark, In re	655
*Curtis and Braunsdorf *v.* Land	656
*Davis, et al., In re	7
*Ewald, In re	5
*Greider, et al., In re	436
*Hainsworth *v.* Philipp	438
▪Leighton *v.* Coe, Commissioner of Patents	435
*Lewis, In re	659
*Malcom, In re	440
*McBride *v.* Teeple, Jr	201
*Raymond and McCullough *v.* Wickersham	651
▪Seyfarth *v.* Coe, Commissioner of Patents	433
*Sloan *v.* Peterson et al.; Peterson et al. *v.* Sloan	195

(Decisions of the U. S. Court of Appeals for the District of Columbia are indicated by the letter (▪); and of the U. S. Court of Customs and Patent Appeals by a star (*).)

508090

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Vitamin preparation. Serial Nos. 454,485–6; Oct. 6. Class 6.

Abraham & Straus, Inc., Brooklyn, N. Y. Women's underwear, corsets, negligees, etc. Serial No. 442,511; Oct. 6. Class 39.

Adam Hat Stores, Inc., New York, N. Y. Men's hats. Serial No. 454,681; Oct. 6. Class 39.

Akoun, Huguette J., New York, N. Y. Beverages and extracts for making same. Serial No. 454,493; Oct. 6. Class 45.

Alembik, Ignace, New York, N. Y. Chemical composition. Serial No. 454,569; Oct. 6. Class 6.

Alliance Manufacturing Company, The, Alliance, Ohio. Electrical motors, electrical generators, and electrical dynamotors. Serial No. 453,999; Oct. 6. Class 21.

American Brake Shoe and Foundry Company, The, New York, N. Y. Welding materials. Serial No. 452,847; Oct. 6. Class 14.

American Enka Corporation, Enka, N. C. Rayon yarns. Serial No. 454,820; Oct. 6. Class 43.

American Viscose Corporation, Wilmington, Del. Yarns, threads, and yarn and thread filaments. Serial No. 454,843; Oct. 6. Class 43.

Anthony Company, Streator, Ill. Cartoons, sketches, and drawings. Serial No. 435,111; Oct. 6. Class 38.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Face cream. Serial No. 443,528; Oct. 6. Class 6.

Berkley Machine Works & Foundry Co., Inc., Norfolk, Va. Locomotive stokers. Serial No. 444,724; Oct. 6. Class 34.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial No. 454,027; Oct. 6. Class 27.

Camfield Manufacturing Company, Grand Haven, Mich. Plastic and resin impregnated lumber, ply-wood, veneered wood, etc. Serial No. 453,138; Oct. 6. Class 12.

Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Magazine. Serial No. 454,573; Oct. 6. Class 38.

Champion Dish Washing Machine Co., Erie, Pa. Dishwashing machines. Serial No. 454,553; Oct. 6. Class 23.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic films and photographic papers; photographic cameras; photographic lenses and attachments or adapters therefor; etc. Serial No. 451,815; Oct. 6. Class 26.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Motion picture projectors; projecting outfits, film reels, etc. Serial No. 452,715; Oct. 6. Class 26.

Electro Manganese Corporation, Knoxville, Tenn. Metallic manganese. Serial No. 452,263; Oct. 6. Class

Eta, Corporation, New York, N. Y. Motor fuel oil. Serial No. 454,800; Oct. 6. Class 15.

Florida Grapefruit Canning Company, Inc., Bradenton, Fla. Canned fruits, vegetables, and fruit juices, etc. Serial No. 454,287; Oct. 6. Class 46.

Gaines, M. Charles, New York, N. Y. Cartoons. Serial No. 454,850; Oct. 6. Class 38.

Garinol, Inc., New York, N. Y. Liquid adhesive. Serial No. 454,926; Oct. 6. Class 5.

Glenn Confections, Inc., Buffalo, N. Y. Candles capable of floating on water or resting on a support. Serial No. 454,716; Oct. 6. Class 15.

Gotham Sales Co., Inc., Chicago, Ill. Game. Serial No. 453,798; Oct. 6. Class 22.

Green Mountain Packing Co., Inc., sometimes doing business as Green Mountain Packing Co., St. Albans, Vt. Canned vegetables and canned fruits. Serial No. 453,455; Oct. 6. Class 46.

Greenfelder, Francis J., West New York, N. J. Racing articles and comment. Serial No. 444,792; Oct. 6. Class 38.

Hartman, Milton B., doing business under the name Milton B. Hartman Company, New York, N. Y. Textile fabrics. Serial No. 453,941; Oct. 6. Class 42.

Harvey, G. F., Company, The, Saratoga Springs, N. Y. Therapeutic powder for antiseptic dusting. Serial No. 454,508; Oct. 6. Class 6.

Herbert, Edward G., Limited, Manchester, England. Machine tools, tool for use in machine tools, and engineers' hand tools. Serial No. 446,292; Oct. 6. Class 23.

Hercules Electric & Mfg. Co., Inc., Brooklyn, N. Y. Electric alternating current welding machines, transformers, reactors, etc. Serial No. 453,057; Oct. 6. Class 21.

Hercules Powder Company, Wilmington, Del. Rosin size. Serial No. 454,603; Oct. 6. Class 6.

Holland-Colombo Trading Society, Inc., Dover, Del., and New York, N. Y. Tea, spices, desiccated cocoanut, etc. Serial No. 454,229; Oct. 6. Class 46.

Holland-Colombo Trading Society, Inc., Dover, Del., and New York, N. Y. Tea, spices, desiccated cocoanut, etc. Serial No. 454,231; Oct. 6. Class 46.

Houlis, Louis D., Dallas, Tex. Baking ovens, machinery and equipment. Serial No. 452,395; Oct. 6. Class 34.

Jack & Heintz, Inc., Bedford, Ohio. House organ. Serial No. 454,690; Oct. 6. Class 38.

Jacquin, Charles, et Cie., Inc., Philadelphia, Pa. Liqueur or cordial. Serial No. 449,905; Oct. 6. Class 49.

Johnson, S. C., & Son, Inc., Racine, Wis. Rubber dressing. Serial No. 454,008; Oct. 6. Class 4.

Johnson, S. C., & Son, Inc., Racine, Wis. Liquid wax polish. Serial No. 454,009; Oct. 6. Class 16.

Kono, Alexander, doing business as The Kono Manufacturing Company, Woodside, N. Y. Eye-glass and spectacle frames, and parts therefor. Serial No. 448,51[illegible]; Oct. 6. Class 26.

Koppers Company, Pittsburgh, Pa. Piston rings. Serial No. 454,911; Oct. 6. Class 35.

Kreisler, Jacques, Manufacturing Corporation, North Bergen, N. J. Belt buckles, collar clips, cuff links, etc. Serial No. 441,207; Oct. 6. Class 28.

Lifetree Company, Albany, Ind. Sets of cards to be used for keeping family records. Serial No. 454,758; Oct. 6. Class 37.

Magnasco, Luis & Cia. Ltda. Mantequeria Modelo Soc. Anonima, Buenos Aires, Argentina. Foods and ingredients of foods, specifically butter and cheese. Serial No. 444,006; Oct. 6. Class 46.

Majestic Manufacturing Company, St. Louis, Mo. Counter appliances. Serial No. 454,294; Oct. 6. Class 34.

Manhattan Blenders and Strippers Co., Inc., New York, N. Y. Fur pelts. Serial No. 452,730; Oct. 6. Class 1.

McGettrick, Peter J., Long Island City, N. Y. Soft drink and syrup extracts. Serial No. 451,724; Oct. 6. Class 45.

McManus, J. S., doing business as J. S. McManus Produce Company, Weslaco, Tex. Fresh vegetables. Serial No. 454,778; Oct. 6. Class 46.

Menasha Products Company, Menasha, Wis. Paper bags. Serial No. 454,832; Oct. 6. Class 2.

Metals Reserve Company, Washington, D. C. Tin. Serial No. 454,759; Oct. 6. Class 14.

Miller, Gerald Frank, Dallas, Tex. Women's and juniors' slack suits, play suits, short sport jackets, etc. Serial No. 454,040; Oct. 6. Class 39.

Monsanto Chemical Company, St. Louis, Mo. Compounds used as vulcanization accelerators. Serial No. 454,478; Oct. 6. Class 6.

Moore, Benjamin, & Co., Jersey City, N. J., and New York, N. Y. Flat paint. Serial No. 452,782; Oct. 6. Class 16.

Norcross, New York, N. Y. Greeting cards. Serial No. 454,736; Oct. 6. Class 38.

Nutritional Research Products, Inc., Los Angeles, Calif. Concentrated medicinal food materials. Serial No. 454,085; Oct. 6. Class 6.

Panama Carbon Company, Cleveland, Ohio. Carbon papers. Serial No. 454,763; Oct. 6. Class 11.

Parker Brothers Inc., Portland, Maine, and Salem, Mass. Target game. Serial No. 454,739; Oct. 6. Class 22.

Permo Products Corporation, Chicago, Ill. Phonograph styli. Serial No. 453,556; Oct. 6. Class 36.

Philco Corporation, Philadelphia, Pa. Compressor belts. Serial No. 454,611; Oct. 6. Class 35.

Pillsbury Flour Mills Company, Minneapolis, Minn. Feeds for live stock and fowls. Serial No. 452,786; Oct. 6. Class 46.

Plee-Zing, Inc., Chicago, Ill. Wallpaper cleaner, glass cleaning preparation, shoe polish, etc. Serial No. 453,211; Oct. 6. Class 4.

Polaroid Corporation, Cambridge, Mass. Small cases adapted to contain filters, eyeglasses, and similar articles. Serial No. 454,516; Oct. 6. Class 2.

Producers Creamery Company Springfield, Mo. Evaporated milk. Serial No. 454,200; Oct. 6. Class 46.

Ralston Purina Company, St. Louis, Mo. Insecticide. Serial No. 454,698; Oct. 6. Class 6.

Red Salmon Canning Co., San Francisco, Calif. Canned fish. Serial No. 453,401; Oct. 6. Class 46.

Republic Steel Corporation, Cleveland, Ohio. Ferrous metal sheet, strip, and plate. Serial No. 443,644; Oct. 6. Class 14.

Royal Typewriter Company, Inc., New York, N. Y. Inking ribbons and carbon paper. Serial No. 446,403; Oct. 6. Class 11.

Ryan Art Company, The, Chicago, Ill. Greeting cards. Serial No. 445,070; Oct. 6. Class 38.

Shlansky, Philip, & Bro. Inc., New York, N. Y. Women's, misses', and girls' coats. Serial No. 454,858; Oct. 6. Class 39.

Simon Millinery Co., San Francisco, Calif. Ladies' hats. Serial No. 454,742; Oct. 6. Class 39.

Smith, Wells Lamont, Corporation, Chicago, Ill. Work gloves. Serial No. 453,970; Oct. 6. Class 39.
Stafford, S. S., Inc., New York, N. Y. Mucilage. Serial No. 454,973; Oct. 6. Class 5.
Stein, Hall Manufacturing Company, Chicago, Ill. Rope and mold inhibitor. Serial No. 454,524; Oct. 6. Class 6.
Strathmore District Orange Association, Strathmore, Calif. Fresh citrus fruits. Serial No. 444,165; Oct. 6. Class 46.
Tempil Corporation, New York, N. Y. Temperature indicating fluid materials. Serial No. 454,438; Oct. 6. Class 6.
Tempil Corporation, New York, N. Y. Temperature indicating pencils, or crayons. Serial No. 454,439; Oct. 6. Class 6.
Troy, Seymour, New York, N. Y. Shoes. Serial No. 450,821; Oct. 6. Class 39.
Turco Products, Inc., Los Angeles, Calif. Chemical cleaning compound. Serial No. 445,400; Oct. 6. Class 4.
Turco Products, Inc., Los Angeles, Calif. Paint removing preparations. Serial No. 448,592; Oct. 6. Class 16.
United Nets Corporation, New York, N. Y. Textile fabrics. Serial No. 454,816; Oct. 6. Class 42.
United States Plywood Corporation, New York, N. Y. Bicycles and tricycles. Serial No. 454,108; Oct. 6. Class 19.
Verity, R. H., Sons and Co., Corona, Calif. Fresh citrus fruits. Serial No. 454,861; Oct. 6. Class 46.
Vita-Tag Company, Oklahoma City, Okla. Printed matter. Serial No. 453,374; Oct. 6. Class 38.
WLW Promotions, Inc., Cincinnati, Ohio. Car cards. Serial No. 454,565; Oct. 6. Class 38.
Williamson, George, Jr., Jacksonville, Tex. Fresh tomatoes, grapefruit, oranges, etc. Serial No. 454,298; Oct. 6. Class 46.
Woodbury, John H., Inc., Cincinnati, Ohio. Cologne. Serial No. 453,688; Oct. 6. Class 6.
Zondine Game Company, Los Angeles, Calif. Board games. Serial No. 454,550; Oct. 6. Class 22.

LIST OF REGISTRANTS OF TRADE-MARKS

Aguilo, Ralph, doing business as Borinquen Beverage Co., Co., Brooklyn, N. Y. Nonalcoholic beverages. 398,096; Oct. 6. Class 45.
American Crayon Company, The, Sandusky, Ohio. Water color paint sets. 398,030; Oct. 6; Serial No. 449,949; published July 28, 1942. Class 16.
American Hominy Company, Indianapolis, Ind., assignor, by mesne assignments, to Decatur Milling Company, Decatur, Ill. Rolled oats, corn meal, hominy grits, etc. 163,547; renewed Jan. 23, 1943.
American Industrial Bankers Association, Fort Wayne, Ind. Periodical. 398,098; Oct. 6. Class 38.
American Maize-Products Company, New York, N. Y. Starch. 398,081; Oct. 6; Serial No. 451,064; published Apr. 28, 1942. Class 6.
American Metal Polish Corporation, Somerville, assignor to American Metal Polish Corporation, Boston, Mass. Metal polish. 160,124; renewed Oct. 17, 1942.
American Trouser Co., Pittsburgh, Pa. Men's and boys' trousers. 164,863; renewed Feb. 27, 1943.
Arnesto Paint Co. Inc., New York, N. Y. Paints. 164,644; renewed Feb. 27, 1943.
Artloom Corporation, Philadelphia, Pa. Carpets and rugs. 398,041; Oct. 6; Serial No. 452,367; published July 21, 1942. Class 42.
Ault & Wiborg Company, Cincinnati, Ohio, assignor to Interchemical Corporation, New York, N. Y. Printers' and lithographers' ink. 21,933; rerenewed Nov. 8, 1942.
Babcock & Wilcox Company, The, New York, N. Y. Steam generating units, steam boilers, air heaters, etc. 398,002; Oct. 6; Serial No. 442,647; published July 28, 1942. Class 34.
Balfour, Williamson and Company, to Balfour, Guthrie & Co., Limited, New York, N. Y., successor. Oils. 164,415; renewed Feb. 20, 1943.
Banner Candy Mfg. Corp., Brooklyn, N. Y. Candy. 398,029; Oct. 6; Serial No. 449,820; published July 28, 1942. Class 46.
Beautee-Fit Company, Inc., Los Angeles, Calif. Eyelet tape. 398,103; Oct. 6. Class 40.
Beldam Asbestos Company Limited, London, to Beldam Asbestor Company Limited, Hounslow, England. Asbestos engine packings. 163,277; renewed Jan. 9, 1943.
Bell Aircraft Corporation, Buffalo, N. Y. Airplanes and structural parts thereof. 398,077; Oct. 6; Serial No. 453,658; published July 28, 1942. Class 19.
Bloom, George H., New York, N. Y. Indexes. 398,005; Oct. 6. Serial No. 444,116; published July 21, 1942. Class 38.
Boorum & Pease Company, New York, N. Y. Blank-books, pads and tablets, loose-leaf devices, etc. 163,898; renewed Feb. 6, 1943.
Boots Pure Drug Company, Limited, Nottingham, England. Deodorants. 161,422; renewed Nov. 14, 1942.
Borden Company, The. (See Nissley Creamery Company.)
Borg, Oscar C. W., Long Beach, Calif. Aspirin tablets. 397,999; Oct. 6; Serial No. 439,798; published May 27, 1941. Class 6.
Borinquen Beverage Co. (See Aguilo, Ralph.)
Bradley, Milton, Company, Springfield, Mass. Screen process printing kits. 398,028; Oct. 6; Serial No. 449,666; published July 28, 1942. Class 50.
Bramson Publishing Company, The, Detroit, Mich. Articles published in a continuing series. 398,100–1; Oct. 6. Class 38.
Breslauer, A., Co., New York, N. Y. Perfume, toilet water, eau de cologne, etc. 398,036; Oct. 6; Serial No. 451,028; published July 21, 1942. Class 6.
Brine, James W., Company, The, to James W. Brine Company, Boston, Mass. Articles of clothing. 164,771–2; renewed Feb. 27, 1943.
Cabot, Samuel, Inc., Boston, Mass. Paint. 398,050; Oct. 6; Serial No. 452,849; published July 28, 1942. Class 16.
California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. 398,008; Oct. 6; Serial No. 446,353; published Nov. 11, 1941. Class 6.
California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. 398,011; Oct. 6; Serial No. 446,987; published Oct. 28, 1941. Class 6.
Cardenas, Adolfo N., San Antonio, Tex. Chemical preparations. 164,315; renewed Feb. 20, 1943.
Carpenter, Park, doing business as The Ski Bulletin, Boston, Mass. Periodical. 398,102; Oct. 6. Class 38.
Caswell, Geo. W., Co., San Francisco, Calif. Flavoring extracts. 398,092; Oct. 6. Class 46.
Collins, Ashton B., doing business as Reddy Kilowatt Service, Birmingham, Ala. Sweaters, aprons, children's dresses, etc. 398,068; Oct. 6; Serial No. 453,294; published July 28, 1942. Class 39.
Cooper, William, & Nephews, Incorporated, Chicago, Ill. Animal insecticide. 398,091; Oct. 6. Class 6.
Crown Zellerbach Corporation, San Francisco, Calif. Bathroom cleansing tissue, toilet paper, and facial tissue. No. 398,051; Oct. 6; Serial No. 452,850; published July 28, 1942. Class 37.
Cutter-Crossette Co., Chicago, Ill. Men's neckties. 398,085; Oct. 6; Serial No. 451,488; published July 28, 1942. Class 39.
Dache, Lilly, Inc., New York, N. Y. Face powder, dusting powder, toilet water, perfume, suntan oil, etc. 398,009; Oct. 6; Serial No. 446,650; published Jan. 6, 1942. Class 6.
Dache, Lilly, Inc., New York, N. Y. Face powder, dusting powder, toilet water, perfume, etc. 398,022; Oct. 6; Serial No. 449,170; published Jan. 13, 1942. Class 6.
Daiber, Ome, Seattle, Wash. Preservative compound for leather goods, waterproofing compound for leather goods, wax waterproofing compound for leather goods, etc. 398,000; Oct. 6; Serial No. 440,583; published July 21, 1842. Class 4.
Daman, Arthur C., Denver, Colo. Honey. 164,922; renewed Feb. 27, 1943.
Darwin & Milner, Inc., Cleveland, Ohio. Tool steel. 164,539; renewed Feb. 20, 1943.
Decatur Milling Company. (See American Hominy Company, assignor.)
Dechant, Frank J., doing business as Natural Gas Company, Denver, Colo. Liquid gases. 398,026; Oct. 6; Serial No. 449,568; published July 14, 1942. Class 6.
Devine, Patrick Earl, doing business as Devine's Remedies, Chicago, Ill. Nasal inhalant and a rubbing oil. 398,042; Oct. 6; Serial No. 452,416; published July 7, 1942. Class 6.
Devoe & Raynolds Company, Inc., New York, N. Y. Paint brushes. 398,107; Oct. 6. Class 29.
Dexter Company, The, Fairfield, Iowa. Wringers and washing machines. 164,995; renewed Feb. 27, 1943.
Dif Corporation. (See Trinity Chemical Corporation, assignor.)
Distillation Products, Inc., Rochester, N. Y. Apparatus for measuring light absorption; Ionization tubes, gauges, and amplifiers, etc. 398,071; Oct. 6. Serial No. 453,436; published July 28, 1942. Class 26.
Dritz-Traum Co., to Dritz-Traum Company, Inc., New York, N. Y., successor. Fancy bags. 164,375; renewed Feb. 20, 1943.
Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Electric vacuum cleaners and parts thereof. 398,007; Oct. 6; Serial No. 446,104; published July 28, 1942. Class 21.
Ely & Walker Dry Goods Company, St. Louis, Mo. Textile fabrics. 157,930; renewed Aug. 22, 1942.
Ely & Walker Dry Goods Company, St. Louis, Mo. Gloves and mittens. 157,937–8; renewed Aug. 22, 1942.
Embalmers' Supply Company, The, Westport, Conn. Tubes and syringes. 398,072; Oct. 6; Serial No. 453,438; published July 28, 1942. Class 44.
Embalmers' Supply Company, The, Westport, Conn. Compound used in the embalming trade. 398,106; Oct. 6. Class 6.

Engels, Emil, doing business as F. W. Engels, assignor, by mesne assignments, to F. W. Engels, New York, N. Y. Razors, scissors, shears, etc. 164,888; renewed Feb. 27, 1943.
Eppinger, Louis J., Detroit, Mich. Fishhooks. 164,911; renewed Feb. 27, 1943.
Establissements Rigaud, Inc. (See Rigaud, Henri, assignor.)
Eze-Glos Co. (See Mills, H. Pete.)
Fact-Finders Institute, Philadelphia, Pa. Coupon books. 398,034; Oct. 6; Serial No. 450,526; published July 21, 1942. Class 38.
Falrose Farm, Carters Bridge, Va. Corn meal. 398,082; Oct. 6; Serial No. 451,077; published July 28, 1942. Class 46.
Farmella Food Products Corporation, New York, N. Y. Canned fish. 398,046; Oct. 6; Serial No. 452,606; published July 28, 1942. Class 46.
Fawcett Publications, Inc., Greenwich, Conn. Publication. 398,083; Oct. 6; Serial No. 451,136; published July 21, 1942. Class 38.
Flintkote Company, The. (See Heppes-Nelson Roofing Company, The, assignor.)
Foley & Company, Chicago, Ill. Compounds for coughs. 398,054; Oct. 6; Serial No. 452,889; published July 7, 1942. Class 6.
Forstner Chain Corporation, Irvington, N. J. Wrist watch bracelets, watch chains, cuff links, etc. 398,027; Oct. 6; Serial No. 449,572; published July 28, 1942. Class 28.
Frenchee Chemical Co. (See Sternberg, I.)
Friberg, Alger R., Beverly Hills, Calif. Frictional elements for brakes. 398,076; Oct. 6; Serial No. 453,618; published July 28, 1942. Class 35.
General Electric Company, Schenectady, N. Y. Cabinets. 398,032; Oct. 6; Serial No. 450,358; published July 28, 1942. Class 32.
Gilbert, William L., Clock Company, assignor, by mesne assignments, to The William L. Gilbert Clock Corporation, Winsted, Conn. Clocks. 158,445; renewed Sept. 5, 1942.
Goodell-Varner-Chemical Co. (not Inc.), Rock Island, Ill. Cleaner and bug remover. 398,040; Oct. 6; Serial No. 452,348; published July 28, 1942. Class 4.
Gorham Manufacturing Company. (See Whiting Manufacturing Company, assignor.)
Greenhalgh Mills, Pawtucket, R. I. Cotton piece goods. 163,895; renewed Feb. 6, 1943.
Greif, Jean A., Lewiston, Idaho. Musical instruments. 398,064; Oct. 6; Serial No. 453,079; published July 28, 1942. Class 36.
Guignon & Green, Inc., New York, N. Y. Turpentine. 398,069; Oct. 6; Serial No. 453,296; published July 28, 1942. Class 16.
Haire Publishing Company, New York, N. Y. Periodical. 398,093; Oct. 6. Class 38.
Hammel, Riglander & Co., New York, N. Y., by change of name to Hammel, Riglander & Co., Inc. Gravers, chisels, gouges, etc. 164,074; renewed Feb. 13, 1943.
Hays Corporation, The, Michigan City, Ind. Draft gauges and recorders, combustion controllers, and combustion controlling apparatus. 397,997; Oct. 6; Serial No. 438,391; published July 28, 1942. Class 26.
Healy, D. J., doing business as D. J. Healy Shops, assignor to D. J. Healy Shops, Detroit, Mich. Women's underwear. 164,986; renewed Feb. 27, 1943.
Heinisch, R., Sons Works. (See Wiss, J., & Sons Co.)
Henderson, Estelle B., doing business as Estelle B. Herron, Chicago, Ill. Face cream, a preparation for hair dressing, a preparation for stimulating the growth of the hair, etc. 398,095; Oct. 6. Class 6.
Heppes-Nelson Roofing Company, The, Chicago, Ill., assignor, by mesne assignments, to The Flintkote Company, New York, N. Y. Weather and water proof coatings. 158,979; renewed Sept. 19, 1942.
Herron, Estelle B. (See Henderson, Estelle B.)
Hoffmann-La Roche, Inc., Nutley, N. J. Chocolate base food supplement. 398,055; Oct. 6; Serial No. 452,904; published July 28, 1942. Class 46.
Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation. 398,056; Oct. 6; Serial No. 452,905; published July 7, 1942. Class 6.
Home Dairy Company, Saginaw, Mich. Butter, milk, cottage cheese, etc. 159,906; renewed Oct. 10, 1942.
Hope, Inc., New York, N. Y. Denture cleanser tablets. 398,086; Oct. 6. Class 4.
Horton Manufacturing Co., The, to The Horton Manufacturing Company, Bristol, Conn. Golf balls. 164,359; renewed Feb. 20, 1943.
Inertol Company, Inc., New York, N. Y. Enamel paint water proofing and protective coating. 398,023; Oct. 6; Serial No. 449,207; published July 28, 1942. Class 16.
Interchemical Corporation. (See Ault & Wiborg Company, The, assignor.)
Interchemical Corporation. (See Queen City Printing Ink Company, The, assignor.)
International Bedding Company, The, Baltimore, Md. Box springs. 158,234; renewed Aug. 29, 1942.
International Bedding Company, The, Baltimore, Md. Mattresses, pillows, and box springs. 162,274; renewed Dec. 12, 1942.
International Printing Pressmen and Assistants' Union of North America, Pressmen's Home, Tenn. Printing inks and inking rollers. 398,015; Oct. 6; Serial No. 449,137; published July 28, 1942. Class 11.
International Printing Pressmen and Assistants' Union of North America, Pressmen's Home, Tenn. Autograph paper, bill heads, blank books, etc. 398,016; Oct. 6; Serial No. 449,138; published July 28, 1942. Class 37.
International Printing Pressmen and Assistants' Union of North America, Pressmen's Home, Tenn. Almanacs, annual publications, book series, etc. 398,017; Oct. 6; Serial No. 449,139; published July 28, 1942. Class 38.
International Printing Pressmen and Assistants' Union of North America, Pressmen's Home, Tenn. Autograph paper, bill heads, blank books, etc. 398,018; Oct. 6; Serial No. 449,140; published July 28, 1942. Class 37.
International Printing Pressmen and Assistants' Union of North America, Pressmen's Home, Tenn. Almanacs, annual publications, book series, etc. 398,019; Oct. 6; Serial No. 449,141; published July 28, 1942. Class 38.
International Printing Pressmen and Assistants' Union of North America, Pressmen's Home, Tenn. Autograph paper, bill heads, blank books, etc. 398,020; Oct. 6; Serial No. 449,142; published July 28, 1942. Class 37.
International Printing Pressmen and Assistants' Union of North America, Pressmen's Home, Tenn. Almanacs, annual publications, book series, etc. 398,021; Oct. 6; Serial No. 449,143; published July 28, 1942. Class 38.
Josam Manufacturing Company, Michigan City, Ind., to Josam Manufacturing Company, Cleveland, Ohio. Floor drains, roof drains, and metal inserts for building construction. 164,281; renewed Feb. 20, 1943.
Kadlem, Incorporated, North Arlington, N. J., and New York, N. Y. Meat cures. 398,084; Oct. 6; Serial No. 451,468; published July 7, 1942. Class 6.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon papers and typewriter ribbons. 397,995; Oct. 6; Serial No. 437,388; published July 28, 1942. Class 11.
Kent Packing Co., Rock Hall, Md. Canned tomatoes. 398,097; Oct. 6. Class 46.
Kleinert, I. B., Rubber Company, New York, N. Y. Children's training commode pads. 397,996; Oct. 6; Serial No. 438,341; published July 28, 1942. Class 50.
Kolar Laboratories, Inc., Chicago, Ill. Hand protective chemical preparations. 398,090; Oct. 6. Class 6.
Krueger, Gottfried, Brewing Company, assignor to G. Krueger Brewing Company, Newark, N. J. Malt and hop extract for beverages. 157,965; renewed Aug. 22, 1942.
Lamagna, Louis, New York, N. Y. Liniment. 398,099; Oct. 6. Class 6.
Langley & Michaels Co., San Francisco, Calif., assignor to McKesson & Robbins, Incorporated, New York, N. Y. Fountain cocoa paste, beverage cocoa, and ice-cream powder. 164,298; renewed Feb. 20, 1943.
Latan Chemicals Incorporated, North Hackensack, N. J. Group of compounds representing combinations of polyamines with synthetic liquid plastercizers protecting the color of all-acetate and acetate-mixed fabrics, etc. 398,052; Oct. 6; Serial No. 452,862; published July 21, 1942. Class 6.
Lipari, Charles, Brooklyn, N. Y. Lamps. 398,031; Oct. 6; Serial No. 450,051; published July 28, 1942. Class 34.
Lloyd Manufacturing Co., Anderson, Ind. Antitarnish balls. 164,523; renewed Feb. 20, 1943.
Loblaw Groceterias, Inc., Buffalo, N. Y. Pastry flour. 398,065; Oct. 6; Serial No. 453,085; published July 28, 1942. Class 46.
Macy, R. H., & Co., Inc., New York, N. Y. Mattress protectors. 163,476; renewed Jan. 16, 1943.
Magnolia Metal Company, New York, N. Y., to Magnolia Metal Company, Elizabeth, N. Y. Babbit, bearing, and antifriction metals and alloys. 164,628; renewed Feb. 20, 1943.
Magnolia Metal Company, New York, N. Y., to Magnolia Metal Company, Elizabeth, N. J. Babbit, bearing, and antifriction metals and alloys. 164,760; renewed Feb. 27, 1943.
Marathon Company, Attleboro, Mass. Jewelry. 164,588; renewed Feb. 20, 1943.
Mayer, B. W., Ltd., Poughkeepsie, N. Y. Neckties, scarfs, cravats, etc. 398,070; Oct. 6; Serial No. 453,306; published July 28, 1942. Class 39.
McGraw Electric Company, Elgin, Ill. Leakage testing devices. 398,089; Oct. 6. Class 26.
McKesson & Robbins, Incorporated. (See Langley & Michaels Co.)
Micro-Master Company, The, Chicago, Ill. Test dial indicators. 398,062; Oct. 6; Serial No. 453,060; published July 28, 1942. Class 26.
Mills, H. Pete, doing business as Eze-Glos Co., Cincinnati, Ohio. Liquid wax polish. 397,994; Oct. 6; Serial No. 423,920; published June 4, 1940. Class 16.
Milton Paper Company, Inc., New York, N. Y. Cover paper. 398,044; Oct. 6; Serial No. 452,562; published July 28, 1942. Class 37.

Mirrolike Mfg. Co., Long Island City, N. Y. Paints and painters' materials. 164,326; renewed Feb. 20, 1943.
Monitor Controller Co., Baltimore, Md. Electrical swtiches. 158,496; renewed Sept. 5, 1942.
Monsanto Chemical Company, St. Louis, Mo. Compounds used as vulcanization accelerators. 398,057–9; Oct. 6; Serial Nos. 452,964–6; published July 7, 1942. Class 6.
Monsanto Chemical Company, St. Louis, Mo. Compositions employed in the treatment of rubber. 398,060; Oct. 6; Serial No. 452,967; published July 7, 1942. Class 6.
Monsanto Chemical Company, St. Louis, Mo. Chemical adjuvants. 398,075; Oct. 6; Serial No. 453,496; published July 21, 1942. Class 6.
Mueller Metals Company, Port Huron, Mich., by change of name to Mueller Brass Co. Metal castings and forgings. 162,560; renewed Dec. 19, 1942.
Mutual Orange Distributors, Redlands, Calif. Fresh citrus fruit. 164,654; renewed Feb. 27, 1943.
National Cellulose Corporation, New York, N. Y. Paper cleansing tissues. 398,109; Oct. 6. Class 37.
National Conference of Christians and Jews, New York, N. Y. Pictorial feature. 398,073; Oct. 6; Serial No. 453,462; published July 28, 1942. Class 38.
National Pressure Cooker Company. (See Northwestern Steel & Iron Works.)
Natural Gas Company. (See Dechant, Frank J.)
Nelkin, Walter, doing business as Frances-Walter Nelkin Co., New York, N. Y. Ladies' hats. 398,067; Oct. 6; Serial No. 453,251; published July 28, 1942. Class 39.
Nissley Creamery Company, Fort Worth, Tex., to The Borden Company, New York, N. Y., successor. Dairy products. 159,462; renewed Sept. 26, 1942.
Northwestern Steel & Iron Works, Eau Claire, Wis., by change of name to National Pressure Cooker Company. Steam-pressure cookers. 163,914; renewed Feb. 6, 1943.
Oregon Worsted Company, Incorporated, New York and Astoria, Long Island, N. Y. Woolen yarns. 398,087; Oct. 6. Class 43.
Palmer, William J., Los Angeles, Calif. Combined check and account books. 159,471; renewed Sept. 26, 1942.
Paper Package Company, Indianapolis, Ind. Boxes. 398,074; Oct. 6; Serial No. 453,464; published July 28, 1942. Class 2.
Permo Products Corporation, Chicago, Ill. Alloys of the platinum group. 398,014; Oct. 6; Serial No. 448,264; published July 28, 1942. Class 14.
Petcoff, Vladimir M., Estherville, Iowa. Preparation for maintaining sleeplessness. 398,104; Oct. 6. Class 6.
Pib Incorporated, New York, N. Y. Liquid insulation for electrical purposes. 398,061; Oct. 6; Serial No. 453,014; published July 28, 1942. Class 21.
Pierce-Arrow Motor Car Company, The, assignor, by mesne assignments, to 1695 Elmwood Avenue Corporation, Buffalo, N. Y. Internal-combustion engines and parts thereof. 157,174; renewed July 25, 1942.
Pierce, C. S., Company, Brockton, Mass. Shoe fitting devices. 398,035; Oct. 6; Serial No. 450,919; published July 28, 1942. Class 26.
Pierce, S. S., Co., Boston, Mass. Cold cream, lemon cream, nodor (deodorant cream), etc. 164,424; renewed Feb. 20, 1943.
Posi-Print Corporation, Shoreham, N. Y. Sensitized photographic paper. 398,088; Oct. 6. Class 26.
Quaker Lace Company, Philadelphia, Pa. Lace curtains and nets or curtain lace in piece goods. 161,596; renewed Nov. 14, 1942.
Queen City Printing Ink Company, The, Cincinnati, Ohio, assignor to Interchemical Corporation, New York, N. Y. Printing inks. 164,400; renewed Feb. 20, 1943.
Rare Chemicals, Inc. (See Vereinigte Chininfabriken Zimmer & Co. Gesellschaft mit beschrankter Haftung, assignor.)
Reardon Company, The, St. Louis, Mo. Coating compositions. 398,003; Oct. 6; Serial No. 442,801; published July 28, 1942. Class 16.
Red Hill Broom Works. (See Richard, Irwin.)
Red Top Brewing Company, Cincinnati, Ohio. Malt beverages. 398,024; Oct. 6; Serial No. 449,530; published Feb. 24, 1942. Class 48.
Reddy Kilowatt Service. (See Collins, Ashton B.)
Reichard-Coulston, Inc., New York, N. Y. Pigments used in the manufacture of paint. 398,039; Oct. 6; Serial No. 452,295; published July 28, 1942. Class 16.
Richard, Irwin, doing business as Red Hill Broom Works, Red Hill, Pa. Brooms. 164,998; renewed Feb. 27, 1943.
Rigaud, Henri, doing business as Rigaud, Paris, France, and New York, assignor to Etablissements Rigaud, Inc., New York, N. Y. Toilet preparations. 164,461–3; renewed Feb. 20, 1943.
Rigaud, Henri, doing business as Rigaud, Paris, France, and New York, assignor to Etablissements Rigaud, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 164,464; renewed Feb. 20, 1943.
Rigaud, Henri, doing business as Rigaud, Paris, France, and New York, assignor to Etablissements Rigaud, Inc., New York, N. Y. Face powders and rouges. 164,465–6; renewed Feb. 20, 1943.
Rigaud, Henri, doing business as Rigaud, Paris, France, and New York, assignor to Etablissements Rigaud, Inc., New York, N. Y. Toilet preparations. 164,467; renewed Feb. 20, 1943.
Rigaud, Henri, doing business as Rigaud, Paris, France, and New York, assignor to Etablissements Rigaud, Inc., New York, N. Y. Hand lotion. 164,468; renewed Feb. 20, 1943.
Rigaud, Henri, doing business as Rigaud, Paris, France, and New York, assignor to Etablissements Rigaud, Inc., New York, N. Y. Liquid face and toilet powder. 164,469; renewed Feb. 20, 1943.
Rigaud, Henri, doing business as Rigaud, Paris, France, and New York, assignor to Etablissements Rigaud, Inc., New York, N. Y. Face powders and rouges. 164,470–1; renewed Feb. 20, 1943.
Robinson, M. W., Co., New York, N. Y. Wrenches. 164,345; renewed Feb. 20, 1943.
Russell, F. C., Company, The, Cleveland, Ohio. Rock wool, storm windows, combination screen and storm windows, etc. 398,078; Oct. 6; Serial No. 453,683. Class 12.
Russell, F. C., Company, The, Cleveland, Ohio. Combination screen and storm windows. 398,079; Oct. 6; Serial No. 453,684. Class 12.
Rutland Fire Clay Co., Rutland, Vt. Adhesive cements. 163,759; renewed Jan. 23, 1943.
St. Pierre Chain Corporation, Worcester, Mass. Chains and chain links. 398,105; Oct. 6. Class 13.
1695 Elmwood Avenue Corporation. (See Pierce-Arrow Motor Car Company, The, assignor.)
Ski Bulletin. (See Carpenter, Park.)
Society of Chemical Industry in Basle, Basel, Switzerland, Vasoconstrictor. 398,004; Oct. 6; Serial No. 443,583; published July 14, 1942. Class 6.
Soland, Emerson L., Minneapolis, Minn. Electrical annunciators. 398,013; Oct. 6; Serial No. 447,852; published July 28, 1942. Class 21.
Standard Brands Incorporated, New York, N. Y. Nutrient and food-flavoring extract. 398,094; Oct. 6. Class 46.
Star Extract Works, assignor to Star-Kay White, Inc., New York, N. Y. Nonalcoholic, maltless beverage and an extract for making the same. 158,104; renewed Aug. 22, 1942.
Sternberg, Irving, doing business as Frenchee Chemical Co., Richmond Hill, L. I., N. Y. White shoe polish. 398,047; Oct. 6; Serial No. 452,624; published July 21, 1942. Class 4.
Sterns, Limited, London, England. Lubricating oils and greases. 163,403; renewed Jan. 9, 1943.
Stetson, John B., Company, Philadelphia, Pa. Hats and caps for men, women, and children. 398,063; Oct. 6; Serial No. 453,069; published July 28, 1942. Class 39.
Street & Smith Corporation, assignor to Street & Smith Publications, Inc., New York, N. Y. Magazines. 162,386; renewed Dec. 12, 1942.
Surfaceal Inc., Providence, R. I. Compound for polishing and cleaning an automobile. 398,012; Oct. 6; Serial No. 447,647; published July 28, 1942. Class 16.
Teague-McKevett Association, Santa Paula, Calif. Fruit. 398,038; Oct. 6; Serial No. 452,030; published July 28, 1942. Class 46.
Theon Company, Inc., The, New York, N. Y. Soaps. 398,045; Oct. 6; Serial No. 452,589; published July 21, 1942. Class 4.
Trinity Chemical Corporation, White Plains, N. Y., assignor to Dif Corporation, Garwood, N. J. Washing compound. 159,131; renewed Sept. 19, 1942.
Troll, John T., doing business as John T. Troll Co., Beverly Hills, Calif. Candy. 398,010; Oct. 6; Serial No. 446,748; published Aug. 18, 1942. Class 46.
Uncas Manufacturing Company, Providence, R. I. Finger rings, bracelets, brooches, etc. 398,037; Oct. 6; Serial No. 451,947; published July 28, 1942. Class 28.
Union Oil Company of California, Los Angeles, Calif. Road oils. 158,838; renewed Sept. 12, 1942.
Union Oil Company of California, Los Angeles, Calif. Flushing oils. 158,839; renewed Sept. 12, 1942.
U. S. A. Comic Magazine Corp., New York, N. Y. Comic magazine. 398,053; Oct. 6; Serial No. 452,877; published July 21, 1942. Class 38.
United States Rubber Company, New York, N. Y. Bust forms of foam rubber. 398,049; Oct. 6; Serial No. 452,843; published July 28, 1942. Class 40.
Van Houten, C. J., & Zoon, Weesp, Netherlands, and Chicago, Ill., to C. J. Van Houten and Zoon, N. V., Weesp, Netherlands, and New York, N. Y. Cocoa. 161,653; renewed Nov. 14, 1942.
Vereinigte Chininfabriken Zimmer & Co. Gesellschaft mit beschrankter Haftung, Frankfort-on-the-Main, Germany, assignor to Rare Chemicals, Inc., Flemington, N. J. Bactericide and antiseptic preparations. 158,313–14; renewed Aug. 29, 1942.
Vickers, Incorporated, Detroit, Mich. Hydraulic pumps and pumping units, hydraulic control valves and assemblies, etc. 398,108; Oct. 6. Class 23.
Victory Switch Co., Los Angeles, Calif. Electric switches. 398,033; Oct. 6; Serial No. 450,434; published Apr. 14, 1942. Class 21.
Viking Refrigerators, Inc., Kansas City, Mo. Refrigerated display cases and refrigerators. 397,998; Oct. 6; Serial No. 439,527; published July 28, 1942. Class 31.
Vita-Min-Go, Inc., New York, N. Y. Game cards and charts. 398,043; Oct. 6; Serial No. 452,548; published July 28, 1942. Class 22.

Vitamint Corporation, Boston, Mass. Medicinal preparations. 398,006; Oct. 6; Serial No. 445,347; published July 7, 1942. Class 6.
W F L Drum Co., Chicago, Ill. Drums. 398,001; Oct. 6; Serial No. 442,004; published July 28, 1942. Class 36.
Ward Manufacturing Co., Inc., North Arlington, N. J. Optical frames. 398,080; Oct. 6; Serial No. 453,686; published July 28, 1942. Class 26.
Washington Wilbert Vault Works, Inc., Rockville, Md. Laundry trays. 398,066; Oct. 6; Serial No. 453,225; published July 28, 1942. Class 2.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Magazines. 162,409; renewed Dec. 12, 1942.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Radio apparatus. 162,410; renewed Dec. 12, 1942.
Whiting Manufacturing Company, Bridgeport, Conn., assignor to Gorham Manufacturing Company, Providence, R. I. Silverware. 164,714; renewed Feb. 27, 1943.
Will & Baumer Candle Co., Inc., Syracuse, N. Y. Candles. 398,025; Oct. 6; Serial No. 449,563; published July 28, 1942. Class 15.
Wilt, Chas. T., Company, Chicago, Ill. Traveling bags. 398,048; Oct. 6; Serial No. 452,796; published July 28, 1942. Class 3.
Wiss, J., & Sons Co., doing business as R. Heinisch Sons Works, Newark, N. J. Shears, scissors, snips, etc. 160,077; renewed Oct. 10, 1942.
Wiss, J., & Sons Co., Newark, N. J. Shears, scissors, snips, etc. 160,744; renewed Oct. 24, 1942.
York, Willard D., Rolling Hills, Calif. Toiletries. 397,993; Oct. 6; Serial No. 415,681; published May 2, 1939. Class 6.
Zatarain, E. A., & Sons, Inc., New Orleans, La. Root beer. 164,904; renewed Feb. 27, 1943.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Boxes. Paper Package Company. 398,074; Oct. 6; Serial No. 453,464; published July 28, 1942.
Trays, Laundry. Washington Wilbert Vault Works, Inc. 398,066; Oct. 6; Serial No. 453,225; published July 21, 1942.

CLASS 3

Bags, Fancy. Dritz-Traum Co. 164,375; renewed Feb. 20, 1943.
Bags, Traveling. Chas. T. Wilt Company. 398,048; Oct. 6; Serial No. 452,796; published July 28, 1942.

CLASS 4

Cleaner and bug remover. Goodell-Varner-Chemical Co. (Not Inc.) 398,040; Oct. 6; Serial No. 452,348; published July 28, 1942.
Cleanser tablets, Denture. Hope, Inc. 398,086; Oct. 6.
Polish, Metal. American Metal Polish Corporation. 160,124; renewed Oct. 17, 1942.
Polish, White shoe. I. Sternberg. 398,047; Oct. 6; Serial No. 452,624; published July 21, 1942.
Preservative compound for leather goods, waterproofing compound for leather goods, wax waterproofing compound for leather goods, etc. O. Daiber. 398,000; Oct. 6; Serial No. 440,583; published July 21, 1942.
Soaps. Theon Company. 398,045; Oct. 6; Serial No. 452,589; published July 21, 1942.
Washing compound. Trinity Chemical Corporation. 159,131; renewed Sept. 19, 1942.

CLASS 5

Cements, Adhesive. Rutland Fire Clay Co. 163,759; renewed Jan. 23, 1943.

CLASS 6

Aspirin tablets. O. C. W. Borg. 397,999; Oct. 6; Serial No. 439,798; published May 27, 1941.
Bactericide and antiseptic preparations. Vereinigte Chininfabriken Zimmer & Co. Gesellschaft mit beschrankter Haftung. 158,313–14; renewed Aug. 29, 1942.
Balls, Antitarnish. Lloyd Manufacturing Co. 164,523; renewed Feb. 20, 1943.
Chemical adjuvants. Monsanto Chemical Company. 398,075; Oct. 6; Serial No. 453,496; published July 21, 1942.
Chemical preparations. A. N. Cardenas. 164,315; renewed Feb. 20, 1943.
Chemical preparations, Hand protective. Kolar Laboratories, Inc. 398,090; Oct. 6.
Cold cream, lemon cream, nodor (deodorant cream). S. S. Pierce Co. 164,424; renewed Feb. 20, 1943.
Compositions employed in the treatment of rubber. Monsanto Chemical Company. 398,060; Oct. 6; Serial No. 452,967; published July 7, 1942.
Compound used in the embalming trade. Embalmers' Supply Company. 398,106; Oct. 6.
Compounds for coughs. Foley & Company. 398,054; Oct. 6; Serial No. 452,889; published July 7, 1942.
Compounds used as vulcanization accelerators. Monsanto Chemical Company. 398,057–9; Oct. 6; Serial Nos. 452,964–6; published July 7, 1942.
Cures, Meat. Kadiem, Incorporated. 398,084; Oct. 6; Serial No. 451,468; published July 7, 1942.
Deodorants. Boots Pure Drug Company Limited. 161,422; renewed Nov. 14, 1942.
Face cream, a preparation for hair dressing, a preparation for stimulating the growth of the hair, etc. E. B. Henderson. 398,095; Oct. 6.
Face powder, dusting powder, toilet water, perfume, etc. Lilly Dache, Inc. 398,022; Oct. 6; Serial No. 449,170; published Jan. 13, 1942.
Face powders and rouges. H. Rigaud. 164,465–6; renewed Feb. 20, 1943.
Face powders and rouges. H. Rigaud. 164,470–1; renewed Feb. 20, 1943.
Gases, Liquid. F. J. Dechant. 398,026; Oct. 6; Serial No. 449,568; published July 14, 1942.
Group of compounds representing combinations of polyamines with synthetic liquid plasticizers protecting the color of all-acetate and acetate-mixed fabrics, etc. Latan Chemicals Incorporated. 398,052; Oct. 6; Serial No. 452,862; published July 21, 1942.
Inhalant and a rubbing oil, Nasal. P. E. Devine. 398,042; Oct. 6; Serial No. 452,410; published July 7, 1942.
Insecticide, Animal. William Cooper & Nephews, Incorporated. 398,091; Oct. 6.
Liniment. L. Lamagna. 398,099; Oct. 6.
Liquid face and toilet powder. H. Rigaud. 164,469; renewed Feb. 20, 1943.
Lotion, Hand. H. Rigaud. 164,468; renewed Feb. 20, 1943.
Medicinal preparation. Hoffmann-La Roche, Inc. 398,056; Oct. 6; Serial No. 452,905; published July 7, 1942.
Medicinal preparations. Vitamint Corporation. 398,006; Oct. 6; Serial No. 445,347; published July 7, 1942.
Parasiticides. California Spray-Chemical Corporation. 398,008; Oct. 6; Serial No. 446,353; published Nov. 11, 1941.
Parasiticides. California Spray-Chemical Corporation. 398,011; Oct. 6; Serial No. 446,987; published Oct. 28, 1941.
Perfume, toilet water, eau de cologne, etc. A. Breslauer Co. 398,036; Oct. 6; Serial No. 451,028; published July 21, 1942.
Perfume, toilet water, face powder, etc. H. Rigaud. 164,464; renewed Feb. 20, 1943.
Powder, dusting powder, toilet water, perfume, etc., Face. Lilly Dache, Inc. 398,009; Oct. 6; Serial No. 446,650; published Jan. 6, 1942.
Preparation for maintaining sleeplessness. V. M. Petcoff. 398,104; Oct. 6.
Starch. American Maize-Products Company. 398,081; Oct. 6; Serial No. 451,064; published Apr. 28, 1942.
Toilet preparations. H. Rigaud. 164,461–3; renewed Feb. 20, 1943.
Toilet preparations. H. Rigaud. 164,467; renewed Feb. 20, 1943.
Toiletries. W. D. York. 397,993; Oct. 6; Serial No. 415,681; published May 2, 1939.
Vasoconstrictor. Society of Chemical Industry in Basle. 398,004; Oct. 6; Serial No. 443,583; published July 14, 1942.

CLASS 11

Carbon papers and typewriter ribbons. Kee Lox Manufacturing Company. 397,995; Oct. 6; Serial No. 437,388; published July 28, 1942.
Ink, Printers' and lithographers'. Ault & Wiborg Company, The. 21,933; re-renewed Nov. 8, 1942.
Inks and inking rollers, Printing. International Printing Pressmen and Assistants' Union of North America. 398,015; Oct. 6; Serial No. 449,137; published July 28, 1942.
Inks, Printing. Queen City Printing Ink Company. 164,400; renewed Feb. 20, 1943.

CLASS 12

Rock wool, storm windows, combination screen and storm windows, etc. F. C. Russell Company. 398,078; Oct. 6; Serial No. 453,683.
Screen and storm windows, Combination. F. C. Russell Company. 398,079; Oct. 6; Serial No. 453,684.

CLASS 13

Chains and chain links. St. Pierre Chain Corporation. 398,105; Oct. 6.
Cookers, Steam-pressure. Northwestern Steel & Iron Works. 163,914; renewed Feb. 6, 1943.
Drains, roof drains, and metal inserts for building construction. Floor. Josam Manufacturing Company. 164,281; renewed Feb. 20, 1943.

CLASS 14

Alloys of platinum group. Permo Products Corporation. 398,014; Oct. 6; Serial No. 448,264; published July 28, 1942.
Castings and forgings, Metal. Mueller Metals Company. 162,560; renewed Dec. 19, 1942.
Metals and alloys, Babbitt, bearing, and antifriction. Magnolia Metal Company. 164,625; renewed Feb. 20, 1943.
Metals and alloys, Babbitt, bearing, and antifriction. Magnolia Metal Company. 164,760; renewed Feb. 27, 1943.
Steel, Tool. Darwin & Milner, Inc. 164,539; renewed Feb. 20, 1943.

CLASS 15

Candles. Will & Baumer Candle Co. 398,025; Oct. 6; Serial No. 449,563; published July 28, 1942.
Oils and greases, Lubricating. Sterns, Limited. 163,403; renewed Jan. 9, 1943.
Oils, Flushing. Union Oil Company of California. 158,839; renewed Sept. 12, 1942.
Oils, Road. Union Oil Company of California. 158,838; renewed Sept. 12, 1942.

CLASS 16

Coating compositions. Reardon Company. 398,003; Oct. 6; Serial No. 442,801; published July 28, 1942.
Coatings, Weather and water proof. Heppes-Nelson Roofing Company. 158,979; renewed Sept. 19, 1942.
Compound for polishing and cleaning an automobile. Surfaceal Inc. 398,012; Oct. 6; Serial No. 447,647; published July 28, 1942.
Enamel paint water proofing and protective coating. Inertol Company. 398,023; Oct. 6; Serial No. 449,207; published July 28, 1942.
Oils. Balfour, Williamson and Company. 164,415; renewed Feb. 20, 1943.
Paint. Samuel Cabot, Inc. 398,050; Oct. 6; Serial No. 452,849; published July 28, 1942.
Paint sets, Water color. American Crayon Company. 398,030; Oct. 6; Serial No. 449,949; published July 28, 1942.
Paints. Arnesto Paint Co. Inc. 164,644; renewed Feb. 27, 1943.
Paints and painter's materials. Mirrolike Mfg. Co. 164,326; renewed Feb. 20, 1943.
Pigments used in the manufacture of paint. Reichard-Coulston, Inc. 398,039; Oct. 6; Serial No. 452,295; published July 28, 1942.
Polish, Liquid wax. H. P. Mills. 397,994; Oct. 6; Serial No. 423,920; published June 4, 1940.
Turpentine. Guignon & Green, Inc. 398,069; Oct. 6; Serial No. 453,296; published July 28, 1942.

CLASS 19

Airplanes and structural parts thereof. Bell Aircraft Corporation. 398,077; Oct. 6; Serial No. 453,658; published July 28, 1942.

CLASS 21

Electric vacuum cleaners and parts thereof. Electric Vacuum Cleaner Company. 398,007; Oct. 6; Serial No. 446,104; published July 28, 1942.
Electrical annunciators. E. L. Soland. 398,013; Oct. 6; Serial No. 447,852; published July 28, 1942.
Electrical switches. Monitor Controller Co. 158,496; renewed Sept. 5, 1942.
Insulation for electrical purposes, Liquid. Plb Incorporated. 398,061; Oct. 6; Serial No. 453,014; published July 28, 1942.
Radio apparatus. Westinghouse Electric & Manufacturing Company. 162,410; renewed Dec. 12, 1942.
Switches, Electric. Victory Switch Co. 398,033; Oct. 6; Serial No. 450,434; published Apr. 14, 1942.

CLASS 22

Fishhooks. L. J. Eppinger. 164,911; renewed Feb. 27, 1943.
Game cards and charts. Vita-Min-Go, Inc. 398,043; Oct. 6; Serial No. 452,548; published July 28, 1942.
Golf balls. Horton Manufacturing Co. 164,359; renewed Feb. 20, 1943.

CLASS 23

Gravers, chisels, gouges, etc. Hammel, Riglander & Co. 164,074; renewed Feb. 13, 1943.
Internal-combustion engines and parts thereof. Pierce-Arrow Motor Car Company. 157,174; renewed July 25, 1942.
Pumps and pumping units, hydraulic control valves and assemblies, etc., Hydraulic. Vickers, Incorporated. 398,108; Oct. 6.
Razors, scissors, shears, etc. E. Engels. 164,888; renewed Feb. 27, 1943.
Shears, scissors, snips, etc. J. Wiss & Sons Co. 160,077; renewed Oct. 10, 1942.
Shears, scissors, snips etc. J. Wiss & Sons Co. 160,744; renewed Oct. 24, 1942.
Wrenches. M. W. Robinson Co. 164,345; renewed Feb. 20, 1943.

CLASS 24

Wringers and washing machines. Dexter Company. 164,995; renewed Feb. 27, 1943.

CLASS 26

Apparatus for measuring light absorption; ionization tubes, gauges, and amplifiers, etc. Distillation Products, Inc. 398,071; Oct. 6; Serial No. 453,436; published July 28, 1942.
Dial Indicators, Test. Micro-Master Company. 398,062; Oct. 6; Serial No. 453,060; published July 28, 1942.
Frames, Optical. Ward Manufacturing Co. 398,080; Oct. 6; Serial No. 453,686; published July 28, 1942.
Gauges and recorders, combustion controllers, and combustion controlling apparatus, Draft. Hays Corporation. 397,997; Oct. 6; Serial No. 438,391; published July 28, 1942.
Sensitized photographic paper. Posi-Print Corporation. 398,088; Oct. 6.
Shoe fitting devices. C. S. Pierce Company. 398,035; Oct. 6; Serial No. 450,919; published July 28, 1942.
Testing devices, Leakage. McGraw Electric Company, 398,089; Oct. 6.

CLASS 27

Clocks. William L. Gilbert Clock Company. 158,445; renewed Sept. 5, 1942.

CLASS 28

Bracelets, watch chains, cuff links, etc., Wrist watch. Forstner Chain Corporation. 398,027; Oct. 6; Serial No. 449,572; published July 28, 1942.
Jewelry. Marathon Company. 164,588; renewed Feb. 20, 1943.
Rings, bracelets, brooches, etc., Finger. Uncas Manufacturing Company. 398,037; Oct. 6; Serial No. 451,947; published July 28, 1942.
Silverware. Whiting Manufacturing Company. 164,714; renewed Feb. 27, 1943.

CLASS 29

Brooms. I. Richard. 164,998; renewed Feb. 27, 1943.
Brushes, Paint. Devoe & Raynolds Company. 398,107; Oct. 6.

CLASS 31

Refrigerated display cases and refrigerators. Viking Refrigerators, Inc. 397,998; Oct. 6; Serial No. 439,527; published July 28, 1942.

CLASS 32

Cabinets. General Electric Company. 398,032; Oct. 6; Serial No. 450,358; published July 28, 1942.
Mattresses, pillows, and box springs. International Bedding Company. 162,274; renewed Dec. 12, 1942.
Springs, Box. International Bedding Company. 158,234; renewed Aug. 29, 1942.

CLASS 34

Lamps. C. Lipari. 398,031; Oct. 6; Serial No. 450,051; published July 28, 1942.
Steam generating units, steam boilers, air heaters, etc. Babcock & Wilcox Company. 398,002; Oct. 6; Serial No. 442,647; published July 28, 1942.

CLASS 35

Asbestos engine packings. Beldam Asbestos Company Limited. 163,277; renewed Jan. 9, 1943.
Frictional elements for brakes. A. R. Friberg. 398,076; Oct. 6; Serial No. 453,618; published July 28, 1942.

CLASS 36

Drums. W F L Drum Co. 398,001; Oct. 6; Serial No. 442,004; published July 28, 1942.
Musical instruments. J. A. Greif. 398,064; Oct. 6; Serial No. 453,079; published July 28, 1942.

CLASS 37

Blank-books, pads and tablets, loose-leaf devices, etc. Boorum & Pease Company. 163,898; renewed Feb. 6, 1943.
Check and account books, Combined. W. J. Palmer. 159,471; renewed Sept. 26, 1942.
Paper, bill heads, blank books, etc., Autograph. International Printing Pressmen and Assistants' Union of North America. 398,016; Oct. 6; Serial No. 449,138; published July 28, 1942.
Paper, bill heads, blank books, etc., Autograph. International Printing Pressmen and Assistants' Union of North America. 398,018; Oct. 6; Serial No. 449,140; published July 28, 1942.
Paper, bill heads, blank books, etc., Autograph. International Printing Pressmen and Assistants' Union of North America. 398,020; Oct. 6; Serial No. 449,142; published July 28, 1942.
Paper, Cover. Milton Paper Company. 398,044; Oct. 6; Serial No. 452,562; published July 28, 1942.
Tissue, toilet paper, and facial tissue, Bathroom cleansing. Crown Zellerbach Corporation. 398,051; Oct. 6; Serial No. 452,850; published July 28, 1942.
Tissues, Paper cleansing. National Cellulose Corporation. 398,109; Oct. 6.

CLASS 38

Almanacs, annual publications, book series, etc. International Printing Pressmen and Assistants' Union of North America. 398,017; Oct. 6; Serial No. 449,139; published July 28, 1942.

Almanacs, annual publications, book series, etc. International Printing Pressmen and Assistants' Union of North America. 398,019; Oct. 6; Serial No. 449,141; published July 28, 1942.
Almanacs, annual publications, book series, etc. International Printing Pressmen and Assistants' Union of North America. 398,021; Oct. 6; Serial No. 449,143; published July 28, 1942.
Articles published in a continuing series. Bramson Publishing Company. 398,100–1; Oct. 6.
Books, Coupon. Fact-Finders Institute. 398,034; Oct. 6; Serial No. 450,526; published July 21, 1942.
Indexes. George H. Bloom. 398,005; Oct. 6; Serial No. 444,116; published July 21, 1942.
Magazine, Comic. U. S. A. Comic Magazine Corp. 398,053; Oct. 6; Serial No. 452,877; published July 21, 1942.
Magazines. Street & Smith Corporation. 162,386; renewed Dec. 12, 1942.
Magazines. Westinghouse Electric & Manufacturing Company. 162,409; renewed Dec. 12, 1942.
Periodical. American Industrial Bankers Association. 398,098; Oct. 6.
Periodical. P. Carpenter. 398,102; Oct. 6.
Periodical. Haire Publishing Company. 398,093; Oct. 6.
Pictorial feature. National Conference of Christians and Jews. 398,073; Oct. 6; Serial No. 453,462; published July 28, 1942.
Publication. Fawcett Publications, Inc. 398,083; Oct. 6; Serial No. 451,136; published July 21, 1942.

CLASS 39

Articles of clothing. James W. Brine Company. 164,771–2; renewed Feb. 27, 1943.
Gloves and mittens. Ely & Walker Dry Goods Company. 157,937–8; renewed Aug. 22, 1942.
Hats and caps for men, women and children. J. B. Stetson Company. 398,063; Oct. 6; Serial No. 453,069; published July 28, 1942.
Hats, Ladies'. W. Nelkin. 398,067; Oct. 6; Serial No. 453,251; published July 28, 1942.
Neckties, Men's. Cutter-Crossette Co. 398,085; Oct. 6; Serial No. 451,488; published July 28, 1942.
Neckties, scarfs, cravats, etc. B. W. Mayer, Ltd. 398,070; Oct. 6; Serial No. 453,306; published July 28, 1942.
Sweaters, aprons, children's dresses, etc. A. B. Collins. 398,068; Oct. 6; Serial No. 453,294; published July 28, 1942.
Trousers, Men's and boys'. American Trouser Co. 164,863; renewed Feb. 27, 1943.
Underwear, Women's. D. J. Healy. 164,986; renewed Feb. 27, 1943.

CLASS 40

Bust forms of foam rubber. United States Rubber Company. 398,049; Oct. 6; Serial No. 452,843; published July 28, 1942.
Tape, Eyelet. Beautee-Fit Company. 398,103; Oct. 6.

CLASS 42

Carpets and rugs. Artloom Corporation. 398,041; Oct. 6; Serial No. 452,367; published July 21, 1942.
Cotton piece goods. Greenhalgh Mills. 163,895; renewed Feb. 6, 1943.
Lace curtains and nets or curtain lace in piece goods. Quaker Lace Company. 161,596; renewed Nov. 14, 1942.
Mattress protectors. R. H. Macy & Co. 163,476; renewed Jan. 16, 1943.
Textile fabrics. Ely & Walker Dry Goods Company. 157,930; renewed Aug. 22, 1942.

CLASS 43

Woolen yarns. Oregon Worsted Company. 398,087; Oct. 6.

CLASS 44

Tubes and syringes. Embalmers' Supply Company. 398,072; Oct. 6; Serial No. 453,438; published July 28, 1942.

CLASS 45

Beer, Root. E. A. Zatarain & Sons, Inc. 164,904; renewed Feb. 27, 1943.
Beverage and an extract for making the same, Nonalcoholic, maltless. Star Extract Works. 158,104; renewed Aug. 22, 1942.
Beverages, Nonalcoholic. R. Aguilo. 398,096; Oct. 6.

CLASS 46

Butter, milk, cottage cheese, etc. Home Dairy Company. 159,906; renewed Oct. 10, 1942.
Candy. Banner Candy Mfg. Corp. 398,029; Oct. 6; Serial No. 449,820; published July 28, 1942.
Candy. J. T. Troll. 398,010; Oct. 6; Serial No. 446,746; published Aug. 18, 1942.
Canned fish. Farmella Food Products Corporation. 398,046; Oct. 6; Serial No. 452,606; published July 28, 1942.
Canned tomatoes. Kent Packing Co. 398,097; Oct. 6.
Chocolate base food supplement. Hoffmann-La Roche, Inc. 398,055; Oct. 6; Serial No. 452,904; published July 28, 1942.
Cocoa. C. J. Van Houten & Zoon. 161,653; renewed Nov. 14, 1942.
Corn meal. Falrose Farm. 398,082; Oct. 6; Serial No. 451,077; published July 28, 1942.
Dairy products. Nissley Creamery Company. 159,462; renewed Sept. 26, 1942.
Flavoring extracts. Geo. W. Caswell Co. 398,092; Oct. 6.
Fountain cocoa paste, beverage cocoa, and ice-cream powder. Langley & Michaels Co. 164,298; renewed Feb. 20, 1943.
Fruit. Teague-McKevett Association. 398,038; Oct. 6; Serial No. 452,030; published July 28, 1942.
Fruit, Fresh citrus. Mutual Orange Distributors. 164,654; renewed Feb. 27, 1943.
Honey. A. C. Deman. 164,922; renewed Feb. 27, 1943.
Nutrient and food-flavoring extract. Standard Brands Incorporated. 398,094; Oct. 6.
Oats, corn meal, hominy grits, etc., Rolled. American Hominy Company. 163,547; renewed Jan. 23, 1943.
Pastry flour. Loblaw Groceterias, Inc. 398,065; Oct. 6; Serial No. 453,085; published July 28, 1942.

CLASS 48

Extract for beverages, Malt and hop. Gottfried Krueger Brewing Company. 157,965; renewed Aug. 22, 1942.
Malt beverages. Red Top Brewing Company. 398,024; Oct. 6; Serial No. 449,530; published Feb. 24, 1942.

CLASS 50

Children's training commode pads. I. B. Kleinert Rubber Company. 397,996; Oct. 6; Serial No. 438,341; published July 28, 1942.
Screen process printing kits. Milton Bradley Company. 398,028; Oct. 6; Serial No. 449,666; published July 28, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bowser, S. F., & Company. (See Carroll, William M., assignor.)

Carroll, William M., Dayton, Ohio, assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Liquid dispensing apparatus. Re. 22,193; Oct. 6.

Goldsby, Arthur R. (See Korpi, K., and Goldsby.)

Green, Walter H., Batavia, assignor to Infilco Incorporated, Chicago, Ill. Liquid treating process and apparatus. Re. 22,194; Oct. 6.

Harnett, Daniel E., Tuckahoe, N. Y., assignor to Hazeltine Corporation. Coupling system. Re. 22,195; Oct. 6.

Hazeltine Corporation. (See Harnett, Daniel E., assignor.)

Heard, Llewellyn, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion process. Re. 22,196; Oct. 6.

Infilco, Incorporated. (See Green, Walter H., assignor.)

Korpi, Karl, and A. R. Goldsby, Beacon, assignor to The Texas Co., New York, N. Y. Manufacture of anti-knock motor fuel hydrocarbons. Re. 22,197; Oct. 6.

Loewe, Bernhard, Yonkers, N. Y. Method and arrangement for transferring telephone conversations to other electrical devices. Re. 22,198; Oct. 6.

Standard Oil Company. (See Heard, Llewellyn, assignor.)

Texas Co., The. (See Korpi, K., and Goldsby, assignors.)

LIST OF PLANT PATENTEES

Baum's Home of Flowers, Inc. (See Canup, Calvin L., assignor.)

Canup, Calvin L., assignor to Baum's Home of Flowers, Inc., Knoxville, Tenn. Carnation. 547; Oct. 6.

Jackson & Perkins Company. (See Morris, Theodore J., assignor.)

Morris, Theodore J., San Fernando, Calif., assignor to Jackson & Perkins Company, Newark, N. J. Rose plant. 546; Oct. 6.

LIST OF DESIGN PATENTEES

Adams, Elmore, Sr., Los Angeles, Calif. Plaque or similar article. 133,975; Oct. 6.

Airmaster Corporation. (See Hueglin, Herman C., assignor.)

Alfred, Lawrence W., Denver, Colo. Engine stand. 133,977; Oct. 6.

Anderson, Elmer G. (See Cruise, J. J., Anderson, and Forsmark.)

Armstrong, Charles R., Grand Rapids, Mich. Lapel pin or the like. 133,976; Oct. 6.

Barkin, Dan W., New York, N. Y. Coat. 134,000; Oct. 6.

Behrman, Harry P., St. Albans, N. Y. Wallet. 134,001; Oct. 6.

Belmont, Edgar. (See Richards, Oliver V., assignor.)

Benjamin, Philip, New York, N. Y. Finger ring. 133,981; Oct. 6.

Block, Frank C., Kenosha, Wis. Book end. 133,989; Oct. 6.

Brand, A. Arnold. (See Emery, Alexander, assignor.)

Bryans, William A., Denver, Colo. Hot food purveying store. 133,982; Oct. 6.

Condon, Robert S., Rutland, Vt. Milling machine. 133,970; Oct. 6.

Crowder, Wiley K., Detroit, Mich. Toy airplane or similar article. 133,994; Oct. 6.

Cruise, John J., E. G. Anderson, Hatboro, and S. Forsmark, Philadelphia, Pa. Bric-a-brac. 133,983; Oct. 6.

Dover, Samuel M., Oak Park, Ill. Reflector device. 133,984; Oct. 6.

Du Mais, Leo J., Chicago, Ill. Camera support. 134,016; Oct. 6.

Ehrsam, Frederick, Reading, Pa. Cutting implement sheath. 133,985; Oct. 6.

Emery, Alexander, River Forest, assignor of one-half to A. A. Brand, Oak Park, Ill. Display unit. 133,971; Oct. 6.

Forsmark, Sigurd. (See Cruise, J. J., Anderson, and Forsmark.)

Franks, Verne W., Peoria, Ill. Photographic timer. 133,995; Oct. 6.

Gershuny, Abe, New York, N. Y. Dress. 134,002; Oct. 6.

Globe Lighting Fixture Mfg. Co. (See Gordon, Herman N.)

Gordon, Herman N., New York, assignor to I. and M. Rosenblott, co-partners doing business as Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Lighting fixture. 133,986; Oct. 6.

Gorman, Thomas J. Jr., Newark, N. J. Lightproof message dispatch box. 133,996; Oct. 6.

Guild, Lurelle V. A., Darien, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Pedestal for typewriting machines. 134,003; Oct. 6.

Hueglin, Herman C., assignor to Airmaster Corporation, Chicago, Ill. Impeller. 134,017; Oct. 6.

Johnson, Hugh B., Rochester, N. Y. Stretcher. 133,990; Oct. 6.

Johnson, Hugh B., Rochester, N. Y. Leg for a stretcher. 133,991; Oct. 6.

Johnson, William B., U. S. Army, Baltimore, Md. Pouring spout for containers. 133,978; Oct. 6.

Joyce, Inc. (See Joyce, William H., Jr., assignor.)

Joyce, William H., Jr., assignor to Joyce, Inc., Pasadena, Calif. Last or similar article. 133,992; Oct. 6.

Kalman, Louis, New York, N. Y. Textile fabric. 134,018; Oct. 6.

Kalman, Louis, New York, N. Y. Textile fabric. 134,019; Oct. 6.

Knapp-Monarch Company. (See Lamb, Ollo, assignor.)

Krohn, Jack, I. Steinlauf, and S. Schwartz, New York, N. Y. Suitcase or the like. 133,972; Oct. 6.

Lamb, Ollo, assignor to Knapp-Monarch Company, St. Louis, Mo. Electric drill unit or the like. 133,973; Oct. 6.

Larson, Willard A., Preston, Idaho. Building block. 133,979; Oct. 6.

Mackey, Bruce A., Libertyville, Ill. Bank. 133,997; Oct. 6.

Maisch, Jacques E., New York, N. Y. Textile fabric. 134,020; Oct. 6.

Menkhaus, Victor H., Cincinnati, Ohio. Scale. 133,993; Oct. 6.

Meyer, Maximilian C., Brooklyn, N. Y. Jewelry pin. 134,021; Oct. 6.

Meyer, Maximilian C., Brooklyn, N. Y. Jewelry pin. 134,022; Oct. 6.

Meyer, Maximilian C., Brooklyn, N. Y. Jewelry pin or similar article. 134,023; Oct. 6.

Meyer, Maximilian C., Brooklyn, N. Y. Jewelry pin or similar article. 134,024; Oct. 6.

Meyer, Maximilian C., Brooklyn, N. Y. Jewelry pin or similar article. 134,025; Oct. 6.

Parker, Samuel E., Dunkirk, Ind. Combined callous remover and nail cleaner. 133,998; Oct. 6.

Philippe, Alfred, Providence, R. I. Brooch or similar article. 134,026; Oct. 6.

Philippe, Alfred, Providence, R. I. Brooch or similar article. 134,027; Oct. 6.

Philippe, Alfred, Providence, R. I. Brooch or similar article. 134,028; Oct. 6.

Philippe, Alfred, Providence, R. I. Pin clip. 134,029; Oct. 6.

Philippe, Alfred, Providence, R. I. Pin clip. 134,030; Oct. 6.

Philippe, Alfred, Providence, R. I. Pin clip. 134,031; Oct. 6.

Philippe, Alfred, Providence, R. I. Pin clip. 134,032; Oct. 6.

Philippe, Alfred, Providence, R. I. Pin clip. 134,033; Oct. 6.

Phillipe, Alfred, Providence, R. I. Pin clip. 134,034; Oct. 6.
Philippe, Alfred, Providence, R. I. Pin clip. 134,035; Oct. 6.
Philippe, Alfred, Providence, R. I. Pin clip. 134,036; Oct. 6.
Porter, Henry, Glendale, Calif., assignor to the United States of America, as represented by the Secretary of War. Appliqué emblem or similar article. 133,987; Oct. 6.
Richards, Julia, New York, N. Y. Dress. 134,004; Oct. 6.
Richards, Julia, New York, N. Y. Dress. 134,005; Oct. 6.
Richards, Julia, New York, N. Y. Dress. 134,006; Oct. 6.
Richards, Julia, New York, N. Y. Dress. 134,007; Oct. 6.
Richards, Oliver V., assignor of one-half to E. Belmont, New York, N. Y. Combined manicure container and applicators therefor. 133,988; Oct. 6.
Robitaille, George L., Cohoes, N. Y. Airplane. 134,037; Oct. 6.
Rosenblott, Isidor. (See Gordon, Herman N., assignor.)
Rosenblott, Max. (See Gordon, Herman N., assignor.)
Schwartz, Samuel. (See Krohn, J., Steinlauf, and Schwartz.)
Silberstein, Sydney G., Brooklyn, N. Y. Advertising display stand. 133,974; Oct. 6.
Steinhardt, Irving, New York, N. Y. Picture frame. 133,980; Oct. 6.
Steinlauf, Irving. (See Krohn, J., Steinlauf, and Schwartz.)
Strassburger, Emil H., New York, N. Y. Shoe. 133,999; Oct. 6.
Underwood Elliott Fisher Company. (See Guild, Lurelle, V. A., assignor.)
United States of America, as represented by the Secretary of War. (See Porter, Henry, assignor.)
Vertès, Marcel, New York, N. Y. Scarf or similar article. 134,011; Oct. 6.
Weinstein, Morris, New York, N. Y. Coat. 134,008; Oct. 6.
Weinstein, Morris, New York, N. Y. Coat. 134,009; Oct. 6.
Weiss, Jacob M., Brooklyn, N. Y. Combined mechanical pencil and knife. 134,010; Oct. 6.
Zahn, Samuel, New York, N. Y. Dress. 134,012; Oct. 6.
Zahn, Samuel, New York, N. Y. Dress. 134,013; Oct. 6.
Zahn, Samuel, New York, N. Y. Dress. 134,014; Oct. 6.
Zahn, Samuel, New York, N. Y. Dress. 134,015; Oct. 6.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. T. Manufacturing Corp. (See Dreyer, Everett L., assignor.)
A. B. T. Manufacturing Corp. (See Grunig, Bernhard C., assignor.)
Abercrombie Pump Company. (See Allen, Herbert, assignor.)
Acme Visible Records, Inc. (See Attwood, Charles E., assignor.)
Adams, Gale L., San Marino, and R. A. Baker, Los Angeles, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Coating for metals exposed to corrosion and abrasion. 2,298,079; Oct. 6.
Addy, Robert C. (See Graf, V. L., and Addy.)
Advance Machine Company. (See Pond, H. J., and Larson, assignors.)
Aircraftings Limited. (See Cohen, Israel, assignor.)
Albert Specialty Company. (See Moore, Francis K., assignor.)
Alfery, Henry F., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Combined thermoelectric safety shut-off and electroresponsive valve. 2,297,854; Oct. 6.
Allen, Albert E., Yorkville, assignor to Utica Cutlery Company, Utica, N. Y. Bolstered handled cutlery. 2,297,855; Oct. 6.
Allen, Fred D., Knoxville, Tenn. Hair clipper. 2,297,735; Oct. 6.
Allen, Herbert, assignor to Abercrombie Pump Company, Houston, Tex. Pressure gauge. 2,297,678; Oct. 6.
Allen, Herbert, assignor, to Abercrombie Pump Company, Houston, Tex. Pressure gauge. 2,297,679; Oct. 6.
Allied Chemical & Dye Corporation. (See Cooper, W. C., Jr., and Dunbar, assignors.)
Alling, E. Roy, Kenmore, N. Y. Control of electrical devices from liquid levels. 2,297,680; Oct. 6.
Allis-Chalmers Manufacturing Company. (See Dray, Walter R., assignor.)
Allis-Chalmers Manufacturing Company. (See Lincoln, Charles S., assignor.)
Allis-Chalmers Manufacturing Company. (See Ringland, George L., assignor.)
Aluminum Company of America. (See Jardine, Frank, assignor.)
American Anode, Inc. (See Beal, Carl L., assignor.)
American Armament Corporation. (See Joyce, Bryan P., assignor.)
American Can Company. (See Nordstrom, Elof, assignor.)
American Radiator & Standard Sanitary Corporation. (See Davis, Vernon J., assignor.)
American Smelting and Refining Company. (See Smith, A. A., Jr., and Beck, assignors.)
American Steel Foundries. (See Cottrell, Robert B., assignor.)
Ames, James G., Aurora, Ill. Gas burner. 2,297,856; Oct. 6.
Amsler-Morton Company, The. (See Morton, William A., assignor.)
Anagno, John N., Lynn, Mass. Faucet. 2,297,857; Oct 6.
Anchor Hocking Glass Corporation. (See Lavere, Carroll K., assignor.)
Anchor Manufacturing Company. (See Johansson, Ernest G., assignor.)
Anderson, Samuel R., Hardin, Ill. Artificial limb. 2,298,025; Oct. 6.
Anderson, William B., West Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,297,859; Oct. 6.
Anderson, William H., and N. R. Stanton, Oakland, Calif. Hydraulic booster system. 2,297,681; Oct. 6.
Andreotto, Angelo, Clifton, assignor to Botany Worsted Mills, Passaic, N. J. Fabric centering device. 2,297,858; Oct. 6.
Andrews, Norman F. (Coultas, W. J., and Andrews.)
Andrews, O. B., Company. (See Boh, George W., assignor.)
Arnow, George, New York, N. Y., assignor to Richards, Boggs & King, Inc., Chicago, Ill. Garment protector. 2,297,860; Oct. 6.
Arbuckle, Samuel F., G. H. Coulter, and C. E. Godley, Highland Park, assignors to United Lens Corporation, Detroit, Mich. Signaling system and control therefor. 2,298,100; Oct. 6.
Armour and Company. (See Potts, R. H., and McKee, assignors.)
Armour and Company. (See Ralston, Anderson W., assignor.)
Armstrong, George C., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric motor. 2,298,189; Oct. 6.
Attwood, Charles E., assignor to Acme Visible Records, Inc., Chicago, Ill. Visible index and progressive signal means. 2,297,682; Oct. 6.
Au Coin, Didace, Chicago, Ill. Adjustably supported splint. 2,297,861; Oct. 6.
Autogiro Company of America. (See Tidd, Gage W., assignor.)
Automatic Signal Corporation. (See Barker, John L., assignor.)
Aymar, Anthony, New York, N. Y. Carburetor. 2,297,736; Oct. 6.
Babcock & Wilcox Company, The. (See Huge, Ernest C., assignor.)
Bachmann, Walter H., Athol, Mass. Switch box. 2,297,862; Oct. 6.
Bailey Meter Company. (See Reaser, W. E., and (Tanner, assignor).)
Baily, Robert W., Narbeth, Pa. Air cleaner. 2,297,934; Oct. 6.
Baither, Harry, Milwaukee, Wis. Ventilated toilet. 2,297,935; Oct. 6.
Baker & Company. (See Mittendorf, W. F., and Stumbock, assignors.)
Baker, Ronald A. (See Adams, G. L., and Baker.)
Ballman, Edwin C., St. Louis, Mo. Variable speed drive. 2,297,936; Oct. 6.
Ballou, B. A., & Co. (See Ballou, Frederick A., assignor.)
Ballou, Frederick A., Nayatt, R. I., assignor to B. A. Ballou & Co., Inc. Key holder. 2,298,248; Oct. 6.
Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Control system. 2,298,026; Oct. 6.
Barker, John L., Norwalk, assignor to Automatic Signal Corporation, East Norwalk, Conn. Traffic actuated control apparatus. 2,297,683; Oct. 6.
Barnes, Neal J., Oahu, Hawaii. Internal combustion engine. 2,297,823; Oct. 6.
Barr, Robert M., Fort Smith, Ark. Coal breaking mechanism. 2,298,027; Oct. 6.
Barrows, Donald S., and G. F. Couch, assignors to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,297,863; Oct. 6.
Batchell, George W., Toledo, Ohio. Sheet-glass forming apparatus. 2,297,737; Oct. 6.
Bazley, Carl E., Auburn, N. Y. Hot air circulating attachment for heaters. 2,298,028; Oct. 6.
Beal, Carl L., Cuyahoga Falls, assignor to American Anode, Inc., Akron, Ohio. Making rubber nasal masks. 2,298,101; Oct. 6.
Beal, James F., assignor to The Bryant Electric Company, Bridgeport, Conn. Lamp holder. 2,297,738; Oct. 6.
Beck, Hans, Krefeld, Germany, assignor to Heberlein Patent Corporation, New York, N. Y. Dialdehyde compound and making same. 2,297,864; Oct. 6.
Beck, Paul A. (See Smith, A. A., Jr., and Beck.)
Behan, Thomas W., Binghamton, N. Y. Drive mechanism for clothes wringers. 2,297,997; Oct. 6.
Behlen, Walter D., Columbus, Nebr. Clamp device for container closures. 2,297,865; Oct. 6.
Bell & Howell Company, The. (See McNabb, Joseph H., assignor.)
Bell & Howell Company, The. (See Stechbart, Bruno, assignor.)
Bell Telephone Laboratories, Incorporated. (See Bjornson, B. G., and Fisher, assignors.)
Bell Telephone Laboratories, Incorporated. (See Bollman, John H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Burrows, Charles R., assignor.)
Bell Telephone Laboratories Incorporated. (See Erwin, Edson L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Erwin, E. L., and Lamberty, assignors.)
Bell Telephone Laboratories, Incorporated. (See Gent, Edgar W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Koerner, Lawrence F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Nesbitt, Ethan A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Siegmund, Humphreys O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stone, John R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Tinus, William C., assignor.)
Bendix Aviation Corporation. (See Cerstvik, Stephen, assignor.)
Bendix Aviation Corporation. (See Chambers, Allan C., assignor.)
Bendix Aviation Corporation. (See Elkin, Manuel, assignor.)
Bendix Aviation Corporation. (See Goepfrich, Rudolph A., assignor.)

Bendix Aviation Corporation. (See Hood, E. Elliott, assignor.)

Bendix Aviation Corporation. (See Hruska, Howard E., assignor.)

Benedict, Wayne L., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oil. 2,297,866; Oct. 6.

Berardo, John, Chicago, Ill. Smoker's pipe. 2,297,937; Oct. 6.

Berg, Egon G., and M. Ovestrud, assignors to Pioneer Engineering Works, Inc., Minneapolis, Minn. Mixing machine. 2,297,867; Oct. 6.

Bergeron, Lauren A., Port Huron, Mich. Detecting and indicating temperature. 2,297,868; Oct. 6.

Berggren, Robert C. (See Moerlin, W. J., and Berggren.)

Biller, David J., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Suspension support for electric lighting fixtures. 2,297,869; Oct. 6.

Billner, Karl P., Philadelphia, Pa., assignor to Vacunm Concrete Inc. Reinforced concrete. 2,298,102; Oct. 6.

Birr, Rudolph G. (See Steiner, F. G., and Birr.)

Bisseli, Carl H., and R. H. Olley, assignors to Crouse-Hinds Company, Syracuse, N. Y. Conduit outlet box. 2,297,824; Oct. 6.

Bjornson, Bjorn G., Brooklyn, and H. J. Fisher, Port Washington, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Suppression of crosstalk. 2,298,190; Oct. 6.

Blackley, James L., assignor to Duplex Printing Press Company, Battle Creek, Mich. Stereotype casting box. 2,297,739; Oct. 6.

Blomqvist, Gustav M., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,298,029; Oct. 6.

Bobo, Stephen N., New York, N. Y. Steak holder for broiling apparatus. 2,297,825; Oct. 6.

Boh, George W., assignor to O. B. Andrews Company, Chattanooga, Tenn. Bottle carrier. 2,298,191; Oct. 6.

Bollman, John H., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermistor circuit. 2,298,192; Oct. 6.

Bonsall, Charles D., Chicago, Ill., assignor to Standard Railway Devices Company. Refrigerator car construction. 2,298,193; Oct. 6.

Borsoff, Victor N. (See Neely, G. L., Farrington, and Borsoff.)

Bost, John R., and T. G. Ladshaw, Jr., Spartanburg, S. C. Photovoltaic cell. 2,298,030; Oct. 6.

Boston Wire Stitcher Company. (See Harred, George H., assignor.)

Botany Worsted Mills. (See Andreotto, Angelo, assignor.)

Bousman, Henry W., Scotia, N. Y., assignor to General Electric Company. Apparatus for making insulation life tests. 2,298,031; Oct. 6.

Bousquet, L'Roche G., Baldwin, and M. J. Brooks, assignors to General Chemical Company, New York, N. Y. Titanium solution production. 2,298,032; Oct. 6.

Bowers, Archibald C., Akron, Ohio, and C. M. Du Puy, Greensburg, assignors to Pennsylvania Rubber Company, Borough of Jeannette, Pa. Nonmetallic tire. 2,298,033; Oct. 6.

Bowman, Robert B. (See Dayhuff, W. C., and Bowman.)

Bowyer, Francis S. (See Wolfe, Walter C., assignor.)

Boyd, Richard N. (See Wyler, J. A., and Boyd.)

Brannon, Herbert E., Detroit, Mich. Skate. 2,297,870; Oct. 6.

Bratcher, Gordon W., and J. W. Hanson, Duluth, Minn. Scriber. 2,297,684; Oct. 6.

Brier, John C., and G. W. Mulder, Ann Arbor, Mich., assignors to Welsh and Green, Incorporated, Chicago, Ill. Preparing vegetable proteins. 2,297,685; Oct. 6.

Bright Star Battery Company. (See Desimone, Anthony J., assignor.)

Briscoe, Ernest V., Kerman, Calif. Lister mounting for ditch cleaners. 2,297,938; Oct. 6.

Brooks, Maxwell J. (See Bousquet, L'R. G., and Brooks.)

Broome, John C., assignor to The Keeley Stove Company, Columbia, Pa. Combination range. 2,298,103; Oct. 6.

Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Apparatus for making finned tubes. 2,298,249; Oct. 6.

Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Making finned tubes. 2,298,250; Oct. 6.

Brown, Myron J., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Voltage-regulating equipment for precipitators or the like. 2,297,740; Oct. 6.

Brown Fintube Company. (See Brown, John W., Jr., assignor.)

Bruchenal, William, et al. (See Peck, Robert E., assignor.)

Brunemann, Robert B., Finney Township, Hamilton County, Ohio. Fabricated steel studding. 2,298,104; Oct. 6.

Bruner, Ray A., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Battery cover mold 2,297,741; Oct. 6.

Bryant Electric Company, The. (See Beal, James F., assignor.)

Bryant Heater Company. (See Higley, F. R., and Ryden, assignors.)

Bucklen-Bear Laboratories, Inc. (See Trautman, C. W., and Schirmer, assignors.)

Burgess, Charles O., and W. D. Forgeng, Niagara Falls, N. Y., assignors to Haynes Stellite Company. Chromium-vanadium-iron alloy cutting tool. 2,297,686; Oct. 6.

Burgess, Charles O., and W. D. Forgeng, Niagara Falls, N. Y., assignors to Haynes Stellite Company. Alloy and cutting tool. 2,297,687; Oct. 6.

Burrows, Charles R., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna system. 2,298,034; Oct. 6.

Burson, Harry H., assignor to N. C. Spong, Chicago, Ill. Wall board mounting. 2,298,251; Oct. 6.

Butler, Ernest L. (See Eppler, A., Jr., and Butler.)

Byrum, Roscoe J., Grand Forks, N. Dak. Tooth brush and powder holder. 2,297,826; Oct. 6.

Caldwell, Frederick W., New York, N. Y. Birdproofing. 2,298,194; Oct. 6.

Campbell, Arthur W., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Rubber cement. 2,297,871; Oct. 6.

Campbell, John G., Houston, assignor to R. H. Fash, trustee, Fort Worth, Tex. Detecting the pentration of an oil-bearing horizon. 2,297,939; Oct. 6.

Campbell, Richard L., Hasbrouck Heights, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Blocking tube oscillator for television. 2,297,742; Sept. 6.

Canaan, Faic, Heidenheim-on-the-Brenz, Germany. Control device for fluid power transmitters. 2,298,105; Oct. 6.

Carleton, Emile J. (See Morin, G. G., and Carleton.)

Carlson, Bert G., Erieside, assignor to Jack & Heintz, Inc., Cleveland, Ohio. Hydraulic driven air pump. 2,298,106; Oct. 6.

Carlson, Chester F., Jackson Heights, N. Y. Electrophotography. 2,297,691; Oct. 6.

Carr, William F., Ann Arbor, Mich., assignor to International Industries, Inc. Camera. 2,298,107; Oct. 6.

Carroll, Fred M., and D. J. Oldenboom, Binghamton, assignors to International Business Machines Corp., New York, N. Y. Paper feeding device. 2,297,743; Oct. 6.

Carroll, Fred M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Vernier mechanism. 2,297,744; Oct. 6.

Carter Carburetor Corporation. (See Coffey, Irven E., assignor.)

Carter, Franklyn Y., W. E. Cowley, and E. J. Dillman, assignors to Detroit Lubricator Company, Detroit, Mich. Control apparatus. 2,297,872; Oct. 6.

Cawood, William H., Middleboro, Ky. Grave box cover. 2,297,745; Oct. 6.

Cerstvik, Stephen, Newark, assignor to Bendix Aviation Corporation, Bendix, N. J. Rate of climb indicator. 2,297,873; Oct. 6.

Chambers, Allan C., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid flywheel control. 2,297,692; Oct. 6.

Charch, William H., and W. F. Underwood, Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of cellulosic structures. 2,297,746; Oct. 6.

Cherio Music Publishers, Inc. (See Cohen, Edgar A., assignor.)

Chicago Pneumatic Tool Company. (See Collins, Lester L., assignor.)

Chicago Railway Equipment Company. (See Osner, Clarence W., assignor.)

Chick, Thomas W., Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y. Calculating machine. 2,298,263; Oct. 6.

Cities Service Oil Company. (See Hudson, Edward J., assignor.)

Clark, Earl K., and P. R. Lee, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermostat. 2,298,195; Oct. 6.

Clark, John T., Cicero, Ill., assignor to John T. Clark Company. Protective helmet. 2,297,874; Oct. 6.

Clark, John T., Company. (See Clark, John T., assignor.)

Clark, Joseph S., San Francisco, Calif., assignor of sixty per cent to A. A. Lauppe, Detroit, Mich., and twenty per cent to J. F. White, Amarillo, Tex. Circuit maker and breaker. 2,298,108; Oct. 6.

Clark, Walter G., assignor to Clarkiron, Inc., Los Angeles, Calif. Process and apparatus for reducing ores. 2,297,747; Oct. 6.

Clarke, Philip S., Palos Verdes Estates, and M. T. Flaxman, Inglewood, assignors to Union Oil Company of California, Los Angeles, Calif. Lubricating oil for Diesel engines. 2,298,080; Oct. 6.

Clarkiron, Inc. (See Clark, Walter G., assignor.)

Claude, André, assignor to Societe Anonyme Pour Les Applications De l'Electricite Et Des Gaz Rares-Etablissements Claude-Paz et Silva, Paris, France. Electric discharge lamp. 2,297,940; Oct. 6.

Cleary, James F., Kansas City, Kans. Box. 2,297,941; Oct. 6.

Cochran, Clyde, Cleveland, Ohio, assignor to The Elwell Parker Electric Company. Load transporting, slewing, and tiering device. 2,298,196; Oct. 6.

Coffey, Irven E., Normandy, assignor to Carter Carburetor Corporation, St. Louis, Mo. Windshield wiper mechanism. 2,298,197; Oct. 6.

Cohen, Edgar A., Brooklyn, assignor, by mesne assignments, to Cherio Music Publishers, Inc., New York, N. Y. Apparatus for arranging musical compositions. 2,298,081; Oct. 6.

Cohen, Israel, assignor to Aircraftings Limited, Gunnersbury, London, England. Cock or valve. 2,298,036; Oct. 6.

Colella, Gerald S., assignor of one-half to Merker Counter Company, Haverhill, Mass. Shoe counter. 2,298,035; Oct. 6.

Collins & Aikman Corporation. (See Kaufman, Frank M., assignor.)

Collins, Lester L., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Step valve for compressors. 2,297,942; Oct. 6.

Collins, Lester L., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Aircushioned valve for compressors. 2,297,943; Oct. 6.

Collins, Lester L., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Compressor air valve. 2,297,944; Oct. 6.

Commercial Solvents Corporation. (See Campbell, Arthur W., assignor.)

Commercial Solvents Corporation. (See Senkus, Murray, assignor.)

Compo Shoe Machinery Corporation. (See Crandell, Ervin L., assignor.)

Consolidated Instruments Corporation. (See Robinson, Claude L., assignor.)

Continental Can Company. (See Fisher, H. C., and Sooy, assignors.)

Cooper, William C., Jr., Jenkintown, Pa., and A. Dunbar, Baltimore, Md., assignors, by mesne assignments, to Allied Chemical & Dye Corporation. Solution of vanadium from vanadium oxide mixtures. 2,298,091; Oct. 6.

Cormier, Walter, Vancouver, British Columbia, Canada, assignor to Santa Anita Westinghouse Control Gate Incorporated. Starting gate. 2,297,875; Oct. 6.

Cornelius, Richard T., Minneapolis, Minn. Dispenser. 2,297,945; Oct. 6.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Side frame. 2,297,748; Oct. 6.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,297,749; Oct. 6.

Couch, Glenn F. (See Barrows, D. S., and Couch.)

Coultas, Wilbur J., and N. F. Andrews, assignors to Deere & Company, Moline, Ill. Husking and cleaning mechanism. 2,298,198; Oct. 6.

Coulter, Guy H. (See Arbuckle, S. F., Coulter, and Godley.)

Court, Frank T., Moline, and H. M. Stueland, East Moline, assignors to Deere & Company, Moline, Ill. Portable hoist. 2,298,199; Oct. 6.

Court, Frank T., assignor to Deere & Company, Moline, Ill. Hoist control mechanism. 2,298,200; Oct. 6.

Cowley, William E. (See Carter, F. Y., Cowley, and Dillman.)

Cowley, William E. (See Dillman, E. J., and Cowley.)

Cox, Joseph H., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric device. 2,298,109; Oct. 6.

Crabbs, Herbert J., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,297,848; Oct. 6.

Crafts, Irving M., Portland, and C. B. Taylor, Middletown, assignors to The Pickering Governor Company, Portland, Conn. Controller mechanism for general purposes. 2,297,876; Oct. 6.

Crandell, Ervin L., Wellesley, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Shoe manufacturing method and apparatus. 2,298,037; Oct. 6.

Crandell, Ervin L., Wellesley, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Shoe cementing apparatus. 2,298,038; Oct. 6.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Phase modulation. 2,298,092; Oct. 6.

Crosley Corporation, The. (See Money, Roland H., assignor.)

Crosman, Loring P., Maplewood, assignor to Monroe Caluculating Machine Company, Orange, N. J. Listing calculator. 2,298,201; Oct. 6.

Crosman, Loring P., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Listing calculator. 2,298,202; Oct. 6.

Crouse-Hinds Company. (See Bissell, C. H., and Olley, assignors.)

Crouse-Hinds Company. (See Hardage, Clarence A., assignor.)

Crowe, Orley J. (See Hall, William J.)

Crown Cork & Seal Company. (See Stewart, R. J., and Franz, assignors.)

Crown Cork & Seal Company. (See Wilckens, E. A., and Magill, assignors.)

Crum, Stephen, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostat. 2,298,110; Oct. 6.

Cushman Chuck Company, The. (See Sloan, Harry E. and H. E., Jr., and Highberg, assignors.)

Cutler-Hammer, Inc. (See Senn, J. A., and Stansbury, assignors.)

D'Alello, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Interpolymer of dimethyl itaconate and ethyl methacrylate. 2,298,039; Oct. 6.

Davies, Gomer L. (See Wintermute, G. H., and Davies.)

Davis, David R., assignor to Manta Aircraft Corporation, Los Angeles, Calif. Fluid foil. 2,298,040; Oct. 6.

Davis, Vernon J., Buffalo, assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y. Vibrator. 2,298,252; Oct. 6.

Davis, Walter T. (See Paull, A. W., Sr., Edwards, and Davis.)

Day-Brite Lighting, Inc. (See Biller, David J., assignor.)

Dayhuff, Walter C., Whittier, and R. B. Bowman, Concord, assignors to Standard Oil Company of California, San Francisco, Calif. Treating gaseous hydrocarbons. 2,297,675; Oct. 6.

De Bruin, Peter, Appleton, Wis. Swing bracket. 2,297,877; Oct. 6.

Dedrick, Francis J., Red Lion, Pa. Making dies. 2,298,041; Oct. 6.

Deeley, George E. (See Long, C. C., and Deeley.)

Deere & Company. (See Coultas, W. J., and Andrews, assignors.)

Deere & Company. (See Court, Frank T., assignor.)

Deere & Company. (See Court, F. T., and Stueland, assignors.)

Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to Ohio Crankshaft Company, Cleveland, Ohio. Making hardened composite articles. 2,297,878; Oct. 6.

Dersch, Fritz, Binghamton, and N. Heimbach, Johnson City, assignors to General Aniline & Film Corporation, Binghamton, N. Y. Production of photographs in blue-black tones. 2,298,093; Oct. 6.

Desimone, Anthony J., Lyndhurst, assignor to Bright Star Battery Company, Clifton, N. J. Flashlight. 2,298,042; Oct. 6.

Despatch Shops, Inc. (See Dunham, William C., assignor.)

Detachable Bit Company. (See Rea, Walter C., assignor.)

Detroit Lubricator Company. (See Carter, F. Y., Cowley, and Dillman, assignors.)

Detroit Lubricator Company. (See Dillman, E. J., and Cowley, assignors.)

De Walt Products Corporation. (See Gardner, W. W., and Schultz, assignors.)

Dicke, Allen A., Montclair, N. J. Autoloading firearm. 2,297,693; Oct. 6.

Dillman, Earnest J. (See Carter, F. Y., Cowley, and Dillman.)

Dillman, Earnest J., and W. E. Cowley, assignors to Detroit Lubricator Company, Detroit, Mich. Valve. 2,298,253; Oct. 6.

Dinhofer, Julius, New York, N. Y. Diamond-holding tool. 2,297,750; Oct. 6.

Dinzl, Richard W., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Molding machine. 2,298,043; Oct. 6.

Dinzl, Richard W., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Molding machine. 2,298,044; Oct. 6.

Diorama Corporation of America. (See Shoemaker, Albert M., assignor.)

Doering, Charles, assignor of one-half to H. H. Doering, of Chicago, Ill. Carton liner for molded edibles and method of folding. 2,297,946; Oct. 6.

Doering, Henry H. (See Doering, Charles, assignor.)

Dow Chemical Company, The. (See Freeman, Richard D., assignor.)

Dow Chemical Company, The. (See Irons, Carroll R., assignor.)

Dow Chemical Company, The. (See Kauppi, Toivo A., and Kropscott, assignors.)

Dow Chemical Company, The. (See Taylor, F. L., and Moyle, assignors.)

Dow Chemical Company, The. (See Ziller, William J., assignor.)

Downs, Martin L. (See Schmitt, M. G., and Downs.)

Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Rail flaw detector mechanism. 2,297,879; Oct. 6.

Dray, Walter R., Kendall Township, Kendall County, Ill., assignor to Allis-Chalmers Manufacturing Company. Separating mechanism for threshers. 2,297,998; Oct. 6.

Dressel, Arthur, Hollis, assignor to R. Hoe & Co., Inc., New York, N. Y. Multicolor printing machine. 2,298,094; Oct. 6.

Dreyer, Everett L., assignor to A. B. T. Manufacturing Corp., Chicago, Ill. Cartridge for air guns. 2,297,947; Oct. 6.

Driggs, Frank H., Highland Park, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Electric immersion heater for liquid electrolytes. 2,298,254; Oct. 6.

Dri-Steam Products, Inc. (See Wegmann, Adolph J., assignor.)

Drosin, Albert I. (See Svoboda, P. V., and Drosin.)

Dryer, Charles G., and C. Wirth III, assignors to Universal Oil Products Company, Chicago, Ill. Sweetening hydrocarbon distillates. 2,297,751; Oct. 6.

Du Mont, Allen B., and T. T. Goldsmith, Jr., Upper Montclair, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. Y. Monitoring and control system. 2,297,752; Oct. 6.

Du Mont, Allen B., Laboratories, Inc. (See Campbell, Richards L., assignor.)

Du Mont, Allen B., Laboratories, Inc. (See Du Mont, A. B., and Goldsmith, assignors.)

Dunbar, Alver. (See Cooper, W. C., Jr., and Dunbar.)

Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,297,694; Oct. 6.

Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,298,095; Oct. 6.

Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,298,096; Oct. 6.

Dunham, William C., Fairport, N. Y., assignor to Despatch Shops, Inc. Side door construction for dry ice service refrigerator cars. 2,298,259; Oct. 6.

Dunn, William C. (See Denneen, F. S., and Dunn.)

Duplex Printing Press Company. (See Blackley, James L., assignor.)

Du Pont, E. I., de Nemours & Company. (See Charch, W. H., and Underwood, assignors.)

Du Pont, E. I., de Nemours & Company. (See Hug, Gustave T., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hug, G. T., and Linberg, assignors.)

Du Pont, E. I., de Nemours & Co. (See Hull, Richard O., assignor.)

Du Pont, E. I., de Nemours & Company. (See Loder, Donald J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lontz, John F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Miller, Charles F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Person, Earl R., assignor.)

Du Pont, E. I., de Nemours & Company. (See Rossander, S. S., and Sparks, assignors.)

Du Pont, E. I., de Nemours & Company. (See Smith, Albert F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Wise, Leonard G., assignor.)

Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)

Du Pont, E. I., de Nemours & Company. (See Woodhouse, J. C., and Walker, assignors.)

Du Pont, E. I., de Nemours & Company. (See Woodward, David W., assignor.)

Du Puy, Charles. (See Bowers, A. C., and Du Puy.)

Eames, William F., Westfield, assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Elevator control system. 2,298,111; Oct. 6.

Edwards, Alonzo L. (See Paull, A. W., Sr., Edwards, and Davis.)

Edwards, Evan A., and E. C. Hartman, assignors to Taylor Instrument Companies, Rochester, N. Y. Regulator. 2,298,112; Oct. 6.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon reforming. 2,297,695; Oct. 6.

Ehrenhaft, Franz, New York, N. Y. Optical compensating device. 2,298,045; Oct. 6.

Eisenhauer, Charles B., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Apparatus for making sectional blanks. 2,297,948; Oct. 6.

Eklund, Howard J., assignor to Rolyan Corporation, Chicago, Ill. Rivet. 2,298,203; Oct. 6.

Elder, Harold G., Chicago, and J. F. Mowat, La Grange, Ill. Furnace. 2,297,696; Oct. 6.

Electric Controller and Manufacturing Company, The. (See Widdows, Richard G., assignor.)

Electric Controller & Manufacturing Company, The. (See Wright, David C., assignor.)

Electric & Musical Industries Limited. (See White, Eric L. C., assignor.)

Elkin, Manuel H., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Ignition controlling device for internal combustion engines. 2,297,676; Oct. 6.

Ellenbecker, John P., St. Cloud, Minn. Stone cutting and finishing machine. 2,297,827; Oct. 6.

Elwell-Parker Electric Company, The. (See Cochran, Clyde E., assignor.)

Ely, James K., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lightweight electric iron. 2,298,113; Oct. 6.

Emerson, John H., Cambridge, Mass. Apparatus and method for use in fever therapy. 2,298,046; Oct. 6.

Emery, Arthur T., Corona, Calif. Valve spring assembly. 2,297,753; Oct. 6.

Emery Industries, Inc. (See Myers, Latimer D., assignor.)

Ennis, George H., assignor of one-half to R. V. Funk, Long Beach, Calif. Locating strata in wells and electrode apparatus therefor. 2,297,754; Oct. 6.

Eppler, Andrew, Jr., and E. L. Butler, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,297,697; Oct. 6.

Erdmun, Frederick S., Quakertown, Pa. Display stand. 2,298,047; Oct. 6.

Erwin, Edson L., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,298,204; Oct. 6.

Erwin, Edson L., Towaco, N. J., and F. R. Lamberty, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,298,205; Oct. 6.

Estorff, Walther, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Spark gap device. 2,298,114; Oct. 6.

Eubanks, Floyd G., assignor of forty-seven and one-half percent to F. E. Vaughan, Pasadena, and five percent to R. M. McManigal, Compton, Calif. Compass. 2,297,999; Oct. 6.

Eubanks, Floyd G., assignor of forty-seven and one-half percent to F. E. Vaughan, Pasadena, and five percent to R. M. McManigal, Compton, Calif. Compass. 2,298,000; Oct. 6.

Ewing, Clare O. (See Hailer, J. A., and Ewing.)

Fairbanks, Morse & Co. (See Gebert, Sever C., assignor.)

Fansteel Metallurgical Corporation. (See Driggs, Frank H., assignor.)

Farnsworth, Philo T., Freyeburg, Maine, assignor to Farnsworth Television and Radio Corporation. Deflecting system. 2,297,949; Oct. 6.

Farnsworth Television and Radio Corporation. (See Farnsworth, Philo T., assignor.)

Farrington, Bruce B. (See Neely, G. L., Farrington, and Borsoff.)

Fash, Ralph H., trustee. (See Campbell, John G., assignor.)

Faust, Conrad W., Louisville, Ky. Portable electric drain-pipe cleaner. 2,297,755; Oct. 6.

Fay, Horace B., Willoughby, Ohio, assignor to Gridiron Steel Company. Ironing table structure. 2,298,001; Oct. 6.

Fay, Thomas H., Willoughby, Ohio, assignor to Gridiron Steel Company. Cabinet ironing board. 2,298,002; Oct. 6.

Feingold, Samuel, Brooklyn, N. Y. Apparatus for converting direct current into alternating current. 2,298,003; Oct. 6.

Felton, James W., South Hibbing, and L. E. Madison, Chisholm, Minn. Cable clamp and tightener. 2,298,115; Oct. 6.

Fender, Fred L., Pampa, Tex., assignor to Phillips Petroleum Company. Dredging apparatus. 2,297,756; Oct. 6.

Fenton, Guy F. (See Kelley, E. T., and Fenton.)

Fetterman, Donald M. (See Hoffman, E. L., and Fetterman.)

Field, Edward A., Jr., Mendota, Ill. Draft regulator or control. 2,297,757; Oct. 6.

Fisher, Harold J. (See Bjornson, B. G., and Fisher.)

Fisher, Harry C., Cincinnati, and W. E. Sooy, Middletown, Ohio, assignors, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Container manufacture. 2,298,004; Oct. 6.

Fitch, Clyde J., Endwell, assignor to International Business Machines Corporation, New York, N. Y. Printing telegraph system. 2,297,758; Oct. 6.

Flangelock Patents Corporation. (See Krueger, William H., assignor.)

Flaten, Gunhild S. (See Potter, T. G., and Flaten.)

Flatford, William R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Coupling. 2,297,828; Oct. 6.

Flaws, John, Jr., East Cleveland, Ohio, assignor to General Electric Company. Filament mounting machine. 2,297,950; Oct. 6.

Flaxman, Marcellus T. (See Clarke, P. S., and Flaxman.)

Fleming, John J., Pelham, N. Y. Puzzle. 2,298,048; Oct. 6.

Floeter, Frederick S., assignor to Wickes Bros., Saginaw, Mich. Back rest carriage for lathes. 2,298,082; Oct. 6.

Flow Controls, Inc. (See Merz, Catherine, assignor.)

Fluellen, John A., Plymouth, W. Va. Can opener. 2,298,206; Oct. 6.

Folmer Graflex Corporation, The. (See Whitman, Vernon E., assignor.)

Foothorap, Harry A., Harrisburg, Pa., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined calculating and recording machine. 2,298,116; Oct. 6.

Forgeng, William D. (See Burgess, C. O., and Forgeng.)

Fornas, Emil A., Ashtabula, Ohio. Jumping toy. 2,297,759; Oct. 6.

Forte, Carl D., San Diego, Calif. Removable bulldozer attachment. 2,297,677; Oct. 6.

Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Quick coupler for tubing. 2,298,117; Oct. 6.

Frank Nathan, Newark, assignor of twenty-four and one-half percent to L. J. Goldberg, Orange, and twenty-four and one-half percent to W. G. Winne, Hackensack, N. J. Deicing device. 2,297,951; Oct. 6.

Franz, Henry H. (See Stewart, R. J., and Franz.)

Fredrickson, Clarence A., Tacoma, assignor to Jiffy Juicing Machines, Inc., Yakima, Wash. Fruit and vegetable juicer. 2,297,880; Oct. 6.

Freeman, Richard D., assignor to The Dow Chemical Company, Midland, Mich. Treating bibulous paper. 2,297,698; Oct. 6.

Friberg, Bengt F., assignor to Laclede Steel Company, St. Louis, Mo. Supporting means for forming concrete floors. 2,297,952; Oct. 6.

Frisch, Erling. (See Kligore, L. A., and Frisch.)

Fronmuller, Douglas. (See Rowland, B. W., and Fronmuller.)

Fuglie, Elmer A., Winona, Minn. Grinder aligner. 2,298,005; Oct. 6.

Fuller, George, New Rochelle, assignor to Solomon & Birnbaum, Inc., New York, N. Y. Removing draw-strings from lace webs. 2,297,881; Oct. 6.

Fulmer, Charles A., Fort Thomas, Ky. Honing machine. 2,297,953; Oct. 6.

Funk, Robert V. (See Ennis, George H., assignor.)

Fyler, George W., Stratford, Conn., assignor to General Electric Company. Control circuits. 2,298,083; Oct. 6.

Fyler, George W., Stratford, Conn., assignor to General Electric Company. Noise limiting circuit. 2,298,084; Oct. 6.

Gale, Harry M., Jarrow-on-Tyne, and I. W. A. Kirkwood, Newcastle-on-Tyne, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric insulator. 2,298,118; Oct. 6.

Galvin Manufacturing Corporation. (See Saunders, Henry B., assignor.)

Gardner, Robert I., Bakersfield, assignor to Richfield Oil Corporation, Los Angeles, Calif. Tool joint. 2,298,049; Oct. 6.

Gardner, Wallace W., and E. Schutz, assignors to De Walt Products Corporation, Lancaster, Pa. Carriage for cutting or sawing machines. 2,297,882; Oct. 6.

Gebert, Sever C., Three Rivers, Mich., assignor to Fairbanks, Morse & Co., Chicago, Ill. Connector device. 2,298,119; Oct. 6.

Geigy, J. R., A. G. (See Stocker, Emil, assignor.)

Geiselman, Ralph A., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Speed matching regulator. 2,298,120; Oct. 6.

General Aniline & Film Corporation. (See Dersch, F., and Helmbach, assignors.)

General Aniline & Film Corporation. (See Polhemus, John K., assignor.)

General Aniline & Film Corporation. (See Wolff, Werner, assignor.)

General Chemical Company. (See Bousquet, L. G., and Brooks, assignors.)

General Chemical Company. (See Rainsford, A. E., and Pearson, assignors.)

General Electric Company. (See Bany, Herman, assignor.)

General Electric Company. (See Bousman, Henry W., assignor.)

General Electric Company. (See D'Alelio, Gaetano F., assignor.)

General Electric Company. (See Dunham, George W., assignor.)

General Electric Company. (See Flaws, John, Jr., assignor.)

General Electric Company. (See Fyler, George W., assignor.)

General Electric Company. (See Harbison, George C., assignor.)

General Electric Company. (See Patnode, Winton I., assignor.)

General Electric Company. (See Pipkin, Marvin, assignor.)

General Electric Company. (See Whiting, Max A., assignor.)

General Motors Corporation. (See Bruner, Ray A., assignor.)

General Motors Corporation. (See Truxell, C. W., Jr., Koehring, and Hildabolt, assignors.)

General Radio Company. (See Scott, Herman H., assignor.)

Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone substation apparatus. 2,298,207; Oct. 6.

George, Frank C., Orlando, Fla. Molding apparatus. 2,298,006; Oct. 6.

Ghelardi, Robert A. (See Hulme, P. M., and Ghelardi.)

Gilbert, Percy T., Richmond Hill, and L. Moskowitz, Brooklyn, N. Y., assignors of one-third to said Gilbert and two-thirds to said Moskowitz. Electric switch. 2,298,208; Oct. 6.

Giles, Aquila, assignor to Trans-Lux Corporation, New York, N. Y. Guide. 2,298,050; Oct. 6.

Glazier, George M. (See Taymans, B. J., and Glazier.)

Glidden Company, The. (See Huppert, Oskar, assignor.)

Glover, John J., Kansas City, Kans. Adjustable ladder platform. 2,297,883; Oct. 6.

Godley, Charles E. (See Arbuckle, S. F., Coulter, and Godley.)

Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic actuator. 2,298,007; Oct. 6.

Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,298,008; Oct. 6.

Goldberg, Louis J., et al. (See Frank, Nathan, assignor.)

Goldsmith, Sidney. (See Seitz, R. M., and Goldsmith.)

Goldsmith, Thomas T., Jr. (See Du Mont, A. B., and Goldsmith.)

Gordon, Samuel H., and W. F. Young, Inverness, Scotland. Electric flash welding machine. 2,298,051; Oct. 6.

Georzelancyk, Thomas, near Sumner, Wash. Tire casing spreader. 2,297,954; Oct. 6.

Governair Corporation. (See Wilson, John D., assignor.)

Government of the United States of America, as represented by the Secretary of the Interior. (See O'Meara, Robert G., assignor.)

Govoni, Delmo L., Joliet, Ill. Gear shift lever handle construction. 2,297,884; Oct. 6.

Graenacher, Charles, Richen, and J. Meyer, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Imidazole derivatives and making same. 2,297,760; Oct. 6.

Graf, Victor L., and R. C. Addy, assignors to V. L. Graf Company, Detroit, Mich. Flaring tool. 2,297,885; Oct. 6.

Graf, V. L., Company. (See Graf, V. L., and Addy, assignors.)

Gray, Harry Z., Lebanon, Ohio. Bottle carrier. 2,298,209; Oct. 6.

Greene, Frances D., Brooklyn, N. Y. Combination belt. 2,297,955; Oct. 6.

Green's Fuel, Incorporated. (See Jones, Nelson M., assignor.)

Gridiron Steel Company. (See Fay, Horace B., assignor.)

Grimes, Walter G., Pratt, Kans. Harvesting machine. 2,298,121; Oct. 6.

Grunig, Bernhard C., assignor to A. B. T. Manufacturing Corp., Chicago, Ill. Coin chute deflector. 2,298,009; Oct. 6.

Gulliksen, Finn H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Seam welding timer. 2,298,210; Oct. 6.

Gustin, Daniel S., Bloomfield, N. J., and C. H. Hodgkins, Fairfield, Conn., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Glow relay mounting. 2297,886; Oct. 6.

Guzik, Joseph, Latrobe, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Condenser bushing. 2,298,211; Oct. 6.

Hadjilias, George P., New York, N. Y. Marine artificial horizon. 2,298,010; Oct. 6.

Haensel, Vladimir. (See Ipatieff, V. N., and Haensel.)

Hailer, Joseph A., Boston, and C. O. Ewing, Quincy, assignors to United Drug Company, Boston, Mass. Digitalis capsule. 2,298,122; Oct. 6.

Hainsworth, William R., Larchmont, assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,297,761; Oct. 6.

Hall, Jesse E., Long Beach, assignor to Pacific Pump Works, Huntington Park, Calif. Single duct, hydropneumatic, well-tool actuator. 2,297,956; Oct. 6.

Hall, William J., and O. J. Crowe, Detroit, Mich. Molding. 2,297,887; Oct. 6.

Hammond, John H., Jr., Gloucester, Mass. Electric piano with pedal control. 2,297,829; Oct. 6.

Hanneman, Walter M., Oak Park, assignor to Illinois Tool Works, Chicago, Ill. Fastener device. 2,297,957; Oct. 6.

Hanson, Jarl W. (See Bratcher, G. W., and Hanson.)

Harbison, George C., Erie, Pa., assignor to General Electric Company. Refrigerator. 2,298,052; Oct. 6.

Hardage, Clarence A., assignor to Crouse-Hinds Company, Syracuse, N. Y. Condensation drain for explosion proof fittings. 2,297,830; Oct. 6.

Harper, Carolyn L., et al. (See Harper, Philip S., assignor.)

Harper, Philip S., et al. (See Harper, Philip S., assignor.)

Harper, Philip S., Chicago, Ill., assignor of one-fourth to P. S. Harper and one-fourth to C. L. Harper, Chicago, Ill., and one-fourth to Harris Trust and Savings Bank, as trustee of the Philip S. Harper Trust, and one-fourth to said Harris Trust and Savings Bank, as trustee of the C. L. Harper Trust. Gas burner. 2,297,762; Oct. 6.

Harred, George H., East Greenwich, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Magazine for fastener applying instruments. 2,298,123; Oct. 6.

Harris-Seybold-Potter Company. (See Wood, William H., assignor.)

Harris Trust and Savings Bank, et al. (See Harper, Philip S., assignor.)

Hartman, Elmer C. (See Edwards, E. A., and Hartman.)

Hartman, Harry B., Florence, Mass. Ultraviolet ray liquid sterilizer. 2,298,124; Oct. 6.

Hartman, Ray E., assignor to J. G. Miller, Tiffin, Ohio. Diagnostic aid. 2,298,125; Oct. 6.

Havel, Victor, assignor to L. L. Paper Products Inc., Chicago, Ill. Loose-leaf construction. 2,297,958; Oct. 6.

Haynes Stellite Company. (See Burgess, C. O., and Frogeng, assignors.)

Heard, Albert S., Banks, Oreg. Bolt. 2,297,831; Oct. 6.

Heberlein Patent Corporation. (See Beck, Hans, assignor.)

Heberlein Patent Corporation. (See Waltmann, E., and Wolf, assignors.)

Heckel, Herman, Akron, Ohio, assignor to Marbon Corporation, Gary, Ind. Casein sheet material. 2,297,959; Oct. 6.

Helleman, Herman F., Kenoza Lake, assignor to The Wickersham Press, Inc., New York, N. Y. Price tag indicator. 2,297,888; Oct. 6.
Heimbach, Newton. (See Dersch, F., and Heimbach.)
Helland, John H., assignor of one-third to W. M. Pearson, Newark, Ohio. Automatic circuit breaker. 2,298,053; Oct. 6.
Henry, Robert W. (See Montgomery, J. V., and Henry.)
Highberg, George A. (See Sloan, Harry E. and H. E., Jr., and Highberg.)
Higley, Frank R., Cleveland Heights, and E. H. Ryden, Bedford, assignors to The Bryant Heater Company, Cleveland, Ohio. Dehumidifier control. 2,297,763; Oct. 6.
Hildabolt, John M. (See Truxell, C. W., Jr., Koehring, and Hildabolt.)
Hinkle, Raymond, Hanover, Pa. Sifting apparatus. 2,297,700; Oct. 6.
Hodgkins, Charles H. (See Gustin, D. S., and Hodgkins.)
Hodnette, John K. (See Putman, H. V., Lockie, Hodnette, and Leonard.)
Hodnette, John K., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Signaling system for transformers. 2,298,126; Oct. 6.
Hoe, R., & Co. (See Dressel, Arthur, assignor.)
Hoffar, Henry S., assignor to International Multifeed Drills, Ltd., Vancouver, British Columbia, Canada. Antifriction screw device. 2,298,011; Oct. 6.
Hoffman Beverage Company. (See Schmutzer, C., and Manrodt, assignors.)
Hoffman Specialty Co. (See Jehle, Ferdinand, assignor.)
Hoffman Specialty Co. (See Jehle, F., and Roche, Jr., assignors.)
Hoffmann, Elmer L., and D. M. Fetterman, assignors to Sonora Radio & Television Corp., Chicago, Ill. Stepwise tuning of electrical circuits. 2,297,889; Oct. 6.
Holbro, Theodor. (See Kern, W., Holbro and Tobler.)
Holley, Earl, et al. (See Schorn, Carl F., assignor.)
Holley, George M., et al. (See Schorn, Carl F., assignor.)
Holven, Alfred L., and W. R. Junk, Crockett, Calif. Prepared fondant sugar and fudge mixture. 2,297,764; Oct. 6.
Hood, E., Elliott, Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Wheel hub for velocipedes. 2,297,960; Oct. 6.
Hoover, Joe C., Jr., San Angelo, Tex. Key removing tool. 2,297,765; Oct. 6.
Hopkins, Nevil M., New York, N. Y. Liquid explosive. 2,298,255; Oct. 6.
Howell, Roy C., Lakewood, Ohio. Motor vehicle. 2,298,054; Oct. 6.
Hruska, Howard E., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating means. 2,298,012; Oct. 6.
Hudson, Edward J., Houston, Tex., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y. Extraction and treatment of volatile liquid hydrocarbons. 2,297,832; Oct. 6.
Huffschmidt, Robert E., Portland, Oreg. Furnace. 2,297,890; Oct. 6.
Hug, Gustave T., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing animal fibers. 2,297,701; Oct. 6.
Hug, Gustave T., Penns Grove, N. J., assignor to E. I. du Pont Nemours & Company, Wilmington, Del. Treating animal fibers. 2,297,702; Oct. 6.
Hug, Gustave T., Penns Grove, N. J., and G. O. Linberg, Newton, Mass., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating animal fibers. 2,297,703; Oct. 6.
Huge, Ernest C., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid system. 2,297,704; Oct. 6.
Hughes, Daniel K., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,297,961; Oct. 6.
Hull, Richard O., Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anode production. 2,297,766; Oct. 6.
Hulme, Philip M., and R. A. Ghelardi, Perth Amboy, N. J., assignors to International Smelting and Refining Company. Melting copper. 2,298,055; Oct. 6.
Hunt, Donovan D., Louisville, Ky. Electroautomatic advertising machine. 2,297,767; Oct. 6.
Huppert, Oskar, Chicago, Ill., assignor to The Glidden Company, Cleveland, Ohio. Preparing artificial fibers. 2,298,127; Oct. 6.
Hurley, Joseph M., St. Paul, Minn. Card file. 2,298,128; Oct. 6.
Huston, Milton D., Columbus, Ohio, assignor to Oil Devices, Santa Fe, N. Mex. Oil valve cleaner. 2,298,212; Oct. 6.
Hutchings, Walter B., Huron, S. Dak., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Liquid circulator and heater for tanks. 2,297,768; Oct. 6.
Huthsing, Charles K., Grosse Pointe, Mich. Fire alarm. 2,297,891; Oct. 6.
Illinois Tool Works. (See Hanneman, Walter M., assignor.)
Imperial Brass Manufacturing Company, The. (See Franck, George E., assignor.)
Imperial Chemical Industries Limited. (See Robinson, R., and Mercer, assignors.)
Industrial Patents Corporation. (See Jensen, L. B., and Paddock, assignors.)
Inland Wire Products Company. (See Johnson, Eric A., assignor.)
Institute of Paper Chemistry. (See Rowland, B. W., and Fronmuller, assignors.)
International Business Machines Corporation. (See Carroll, Fred M., assignor.)
International Business Machines Corp. (See Carroll, F. M., and Oldenboom, assignors.)
International Business Machines Corporation. (See Chick, Thomas W., assignor.)
International Business Machines Corporation. (See Fitch, Clyde J., assignor.)
International Business Machines Corporation. (See Johnson, Reynold B., assignor.)
International Business Machines Corporation. (See Lake, Clair D., assignor.)
International Business Machines Corp. (See Mills, A. W., and Rabenda, assignors.)
International Business Machines Corporation. (See Nichols, H. J., and Tholstrup, assignors.)
International Business Machines Corporation. (See Scheerer, W., and Schussler, assignors.)
International Business Machines Corporation. (See Torkelson, Torkel E., assignor.)
International Industries, Inc. (See Carr, William F., assignor.)
International Multifeed Drills, Ltd. (See Hoffar, Henry S., assignor.)
International Resistance Company. (See Kohler, John H. A., assignor.)
International Resistance Company. (See Pugh, Alexander L., Jr., assignor.)
International Smelting and Refining Company. (See Hulme, P. M., and Ghelardi, assignors.)
International Smelting and Refining Co. (See Verner, Hyman J., assignor.)
Iowa Manufacturing Company. (See Pollitz, Harold C., assignor.)
Ipatieff, Vladimir N., and V. Haensel, assignors to Universal Oil Products Company, Chicago, Ill. Hydrogenation of alkyl aryl ketones. 2,297,769; Oct. 6.
Irons, Carroll R., assignor to The Dow Chemical Company, Midland, Mich. Treatment of wells. 2,298,129; Oct. 6.
Jack & Heintz, Inc. (See Carlson, Bert G., assignor.)
Jacobs, Frank H., Puyallup, Wash. Air pressure release for closed automobiles. 2,297,892; Oct. 6.
Janetschke, Erwin, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Frequency converter. 2,298,130; Oct. 6.
Jardine, Frank, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Cylinder head. 2,298,213; Oct. 6.
Jeffrey Manufacturing Company, The. (See Latting, Charles I., assignor.)
Jehle, Ferdinand, New Canaan, assignor to Hoffman Specialty Co., Inc., Stamford, Conn. Adjustment for temperature controllers. 2,297,705; Oct. 6.
Jehle, Ferdinand, New Canaan, and A. O. Roche, Jr., assignors to Hoffman Specialty Co., Inc., Stamford, Conn. Temperature controller. 2,297,706; Oct. 6.
Jensen, Lloyd B., and L. S. Paddock, assignors to Industrial Patents Corporation, Chicago, Ill. Canning method. 2,297,962; Oct. 6.
Jepson, Percy, Oakland, Calif. Cotter pin. 2,297,770; Oct. 6.
Jiffy Juicing Machines, Inc. (See Fredrickson, Clarence A., assignor.)
Johansson, Ernest G., Watertown, assignor to Anchor Manufacturing Company, Boston, Mass. Detachable instrument socket. 2,297,833; Oct. 6.
Johns, Francis J., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Capacitor motor. 2,298,131; Oct. 6.
Johnsen, Tobias, Kirkland Lake, Ontario, Canada. Nut locking device. 2,298,014; Oct. 6.
Johnson, Charles A., Brooklyn, assignor of one-half to I. Seidman, New York, N. Y. Forming hollow structures. 2,298,132; Oct. 6.
Johnson, Eric A., assignor to Inland Wire Products Company, Chicago, Ill. Box fastener. 2,297,771; Oct. 6.
Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Signaling system. 2,297,772; Oct. 6.
Jones, George L., Garden City, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Rail welding. 2,297,893; Oct. 6.
Jones, Nelson M., assignor to Green's Fuel, Incorporated, Sarasota, Fla. Coolant-fuel mechanism and method. 2,298,214; Oct. 6.
Joy, Joseph F., Franklin, Pa., assignor to Sullivan Machinery Company. Mechanical movement. 2,297,707; Oct. 6.
Joy, Joseph F., Franklin, Pa., assignor to Sullivan Machinery Company. Coil mining machine. 2,297,894; Oct. 6.
Joyce, Bryan P., East Orange, N. J., assignor to American Armament Corporation, New York, N. Y. Fire control mechanism. 2,298,013; Oct. 6.

Junk, William R. (See Holven, A. L., and Junk.)
Kahookano, John K., La Salle, Ill. Spring motor. 2,297,834; Oct. 6.
Kanhofer, Elmer R., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,297,773; Oct. 6.
Kanhofer, Elmer R., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,297,774; Oct. 6.
Kanhofer, Elmer R., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,297,775; Oct. 6.
Kantorowicz, Julius, New York, N. Y., now by judicial change of name Julius Kent. Preparing cellulose derivatives and product obtained thereby. 2,298,260; Oct. 6.
Karasick, Samuel, Mount Vernon, N. Y. Coiled-coil product and method of and apparatus for making the same. 2,297,895; Oct. 6.
Katzin, Martin, Riverhead, N. Y., assignor to Radio Corporation of America. Wide band electromagnetic horn antenna. 2,297,896; Oct. 6.
Kaufman, Frank M., Marion, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Making pile fabrics. 2,297,708; Oct. 6.
Kauppi, Toivo A., and E. L. Kropscott, assignors to The Dow Chemical Company, Midland, Mich. Hot-melt coating composition comprising cellulose ethers. 2,297,709; Oct. 6.
Kearney, Norman L., Buffalo, N. Y. Razor attachment. 2,298,056; Oct. 6.
Keeley Stove Company, The. (See Broome, John C., assignor.)
Kelley, Edward T., and G. F. Fenton, Clearfield, Pa. Air-heating fireplace. 2,297,776; Oct. 6.
Kelm, Gustav R., Paterson, N. J. Mold structure. 2,298,057; Oct. 6.
Kenlee Corporation. (See Lee, Roger K., assignor.)
Kent, Julius. (See Kantorowicz, Julius.)
Kern, Walter, Sissach, T. Holbro, and R. Tobler, Riehen, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Anthraquinone carbazole dyes. 2,297,777; Oct. 6.
Kilborn-Sauer Company, The. (See Sauer, Peter, assignor.)
Kilgore, Lee A., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Synchronous motor starting scheme. 2,298,133; Oct. 6.
Kilgore, Lee A., Forest Hills, and E. Frisch, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ship propulsion system. 2,298,134; Oct. 6.
King, Andrew. (See Knerr, H. C., and King.)
Kinker, Clarence C., Montreal, Quebec, Canada. Periodic motion mechanism. 2,298,215; Oct. 6.
Kirkwood, Ian W. A. (See Gale, H. M., and Kirkwood.)
Kissel, B. M. (See Kissel, W. L., and Krueger, assignors.)
Kissel Industries. (See Kissel, W. L., and Krueger.)
Kissel, William L., and R. G. Krueger, assignors to B. M. Kissel, doing business as Kissel Industries, Hartford, Wis. Governor for internal combustion engines. 2,297,897; Oct. 6.
Klein, William C., Allentown, Pa. Rotary reel electric lawn mower. 2,298,135; Oct. 6.
Knecht, Henry. (See Pinkerton, J. W., and Knecht.)
Knerr, Horace C., Chestnut Hill, and A. King, Penn Valley, Pa. Brinell hardness testing machine. 2,297,778; Oct. 6.
Koehring, Roland P. (See Truxell, C. W., Jr., Koehring, and Hildabolt.)
Koerner, Lawrence F., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric oscillator. 2,298,085; Oct. 6.
Kohler, John H. A., assignor to International Resistance Company, Philadelphia, Pa. Resistor construction. 2,297,779; Oct. 6.
Kohler, Kurt P., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Work manipulating and weighing device. 2,297,898; Oct. 6.
Korengold, John A., Chicago, Ill. Lamp structure. 2,297,781; Oct. 6.
Kottmann, Arthur A., and H. H. Mohl, Davenport, assignors, by mesne assignments, to Micro-Westco, Inc., Bettendorf, Iowa. Slicing machine. 2,297,710; Oct. 6.
Krider, George E., Duncansville, Pa., assignor to The Pennsylvania Crusher Company, Philadelphia, Pa. Crushing machine. 2,297,782; Oct. 6.
Kroll, Nathan J. (See Kroll, Samuel and N. J.)
Kroll, Samuel and N. J., Chicago, Ill. Automatic take-up device. 2,297,963; Oct. 6.
Kropscott, Earle L. (See Kauppi, Toivo A., and Kropscott.)
Krueger, Robert G. (See Kissel, W. L., and Krueger.)
Krueger, William H., Milwaukee, Wis., assignor to Flangelock Patents Corporation. Structural form for concrete and locking means therefor. 2,297,899; Oct. 6.
Kuyper, Peter H., assignor to Rolscreen Company, Pella, Iowa. Casement window. 2,297,964; Oct. 6.
Kuyper, Peter H., assignor to Rolscreen Company, Pella, Iowa. Radiator cover. 2,297,965; Oct. 6.
Kwolek, Stephen S., Detroit, Mich. Grate. 2,297,783; Oct. 6.
Kwolek, Stephen S., Detroit, Mich. Grate. 2,297,784; Oct. 6.
L. L. Paper Products Inc. (See Havel, Victor, assignor.)
Laclede Steel Company. (See Friberg, Bengt F., assignor.)
Ladshaw, Thomas G., Jr. (See Bost, J. R., and Ladshaw.)
Lake, Clair D., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Terminal for electrical conductors. 2,297,785; Oct. 6.
Lalonde, Oscar V., Bronx, N. Y. Combination key and permutation lock. 2,297,711; Oct. 6.
Lamberger, Edward H., Wilkinsburg, and B. F. Langer, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Weight indicator for rotary drilling. 2,298,216; Oct. 6.
Lamberty, Frederick R. (See Erwin, E. L., and Lamberty.)
Land, Edwin H., Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del. Light-polarizing device. 2,298,058; Oct. 6.
Land, Edwin H., Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del. Color correction filter employing light-polarizing material. 2,298,059; Oct. 6.
Langer, Bernard F. (See Lamberger, E. H., and Langer.)
Larson, Carl O. (See Pond, H. J., and Larson.)
Lattig, Charles I., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Screen. 2,298,060; Oct. 6.
Lauppe, Alfred A., et al. (See Clark, Joseph S., assignor.)
Lavere, Carroll K., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Combination shipping and display carton. 2,298,136; Oct. 6.
Lee, Paul R. (See Clark, E. K., and Lee.)
Lee, Paul R., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor thermostat. 2,298,137; Oct. 6.
Lee, Roger K., Highland Park, assignor to Kenlee Corporation, Detroit, Mich. Pneumatic motor. 2,297,900; Oct. 6.
Leighton, John W., Port Huron, Mich. Individual wheel suspension. 2,297,901; Oct. 6.
Lemle, Irwin W., Chicago, Ill. Support for curtain cranes. 2,298,217; Oct. 6.
Leonard, Merrill G. (See Putman, H. V., Lockie, Hodnette, and Leonard.)
Levengood, Paul B., Los Angeles, Calif. Emptying vacuum cleaner dust receptacles. 2,297,835; Oct. 6.
Levine, Abraham, Elizabeth, assignor to Presto Lock Corporation, Garfield, N. J. Garment carrying frame for luggage cases. 2,297,903; Oct. 6.
Levy, Cyril C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic temperature regulation. 2,297,836; Oct. 6.
Levy, René L., Paris, France, assignor to Societe d'Inventions Aeronautiques Et Mecaniques S. I. A. M., Fribourg, Switzerland. Mechanical locking device for pistons and the like. 2,297,902; Oct. 6.
Lewis, Leroy M., Rosemont, Pa. Fire preventive system. 2,298,061; Oct. 6.
Lewis, Leroy M., Rosemont, Pa. Fire protective system. 2,298,062; Oct. 6.
Lilliston Implement Company. (See Robinson, Samuel S., Jr., assignor.)
Linberg, George O. (See Hug, G. T., and Linberg.)
Lincoln, Charles S., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Scrubber. 2,298,015; Oct. 6.
Lincoln, Charles S., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company. Rotary scrubber and scrubbing ore. 2,298,016; Oct. 6.
Lindberg, John C. (See Rose, L. W., Lindberg, and Moffitt.)
Lindblom, Erik D., Finspong, Sweden. Partial freezing out of liquid. 2,297,786; Oct. 6.
Link-Belt Company. (See Strube, Harry L., assignor.)
Lippincott, Morss, et al. (See Peck, Robert E., assignor.)
Locke, Peer A., assignor to The Oak Rubber Company, Ravenna, Ohio. Production of transparent rubber articles. 2,297,787; Oct. 6.
Lockie, Arthur M. (See Putman, H. V., Lockie, Hodnette, and Leonard.)
Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Inorganic substituted acetic acid. 2,298,138; Oct. 6.
Long, Carleton C., and G. E. Deeley, Beaver, Pa., assignors to St. Joseph Lead Company, New York, N. Y. Gas cleaning method. 2,298,139; Oct. 6.
Long, W. E., Company, The. (See Ryerson, Edward T., assignor.)
Lontz, John F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Propagation. 2,297,904; Oct. 6.
Loughborough, William K., Madison, Wis., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office. Plasticizing ligno-cellulosic materials. 2,298,017; Oct. 6.
Loughnane, Michael H., Ventnor, N. J., assignor of one-half to Julius Schmid, Inc., New York, N. Y. Testing apparatus. 2,297,837; Oct. 6.

Luff, Henry J., Cleveland, Ohio, assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Insertible joint. 2,297,966; Oct. 6.

Luff, Henry J., Cleveland, Ohio, assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Baffled resealing trap for plumbing fixtures. 2,297,967; Oct. 6.

Luisada, Aldo, Cambridge, Mass. Apparatus for and method of registering or recording arterial pulse waves. 2,297,905; Oct. 6.

Lyon, Norman W., assignor to Package Machinery Company, Springfield, Mass. Timing device for conveyers. 2,297,968; Oct. 6.

Mace, Arthur T., Cleveland, assignor to The Radiart Corporation, East Cleveland, Ohio. Telescopic extensible antenna. 2,298,140; Oct. 6.

Mace, Charles E., Denver, Colo. Photographic developing device. 2,297,906; Oct. 6.

MacKay, John R. (See Wallace, C. F., and MacKay.)

MacKenzie, Kenneth W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Time-delayed control-mechanism. 2,297,841; Oct. 6.

MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Chemical manufacture. 2,298,064; Oct. 6.

MacPherson, Roy G., Framingham, Mass. Clear vision device. 2,298,063; Oct. 6.

Madison, Lloyd E. (See Felton, J. W., and Madison.)

Madson, Regner E., assignor to Protectoseal Company of America, Inc., Chicago, Ill. Pillow and similarly cushioned article. 2,298,218; Oct. 6.

Magill, Ellis M. (See Wilckens, E. A., and Magill.)

Major, Edgar M., New York, N. Y. Ignition system for internal combustion engines. 2,298,219; Oct. 6.

Manrodt, Kurt. (See Schmutzer, C., and Manrodt.)

Manta Aircraft Corporation. (See Davis, David R., assignor.)

Marbon Corporation. (See Heckel, Herman, assignor.)

Marbury, Ralph E., Wilkinsburg, assignor, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Terminal device. 2,298,141; Oct. 6.

Martin, James V., Milton, N. Y. Unitary spoke and tread tire. 2,298,142; Oct. 6.

Mathes, Richard E., Westfield, N. J., assignor to Radio Corporation of America. Telegraph signal regenerator. 2,298,220; Oct. 6.

Matheson, Gilbert R. W., Winnipeg, Manitoba, Canada. Baking oven. 2,297,969; Oct. 6.

Mathieson Alkali Works, Inc., The. (See MacMullin, Robert B., assignor.)

May, John W., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reclosing circuit interrupter. 2,298,143; Oct. 6.

McCann, Michael, Ozone Park, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Machine for attaching articles. 2,298,246; Oct. 6.

McCoy, Howard M., Pasadena, Calif. Integrated model airplane. 2,297,712; Oct. 6.

McGehee, David K., Wayside, Tex. Power lift. 2,297,788; Oct. 6.

McGinnity, Peter, et al. (See Miller, Wilmer A., assignor.)

McKee, John E. (See Potts, R. H., and McKee.)

McLaughlin, John R., New Brunswick, N. J., assignor, by mesne assignments, to Tampax Incorporated, New York, N. Y. Cutting machine for cotton strips and the like. 2,298,221; Oct. 6.

McManigal, Robert M., et al. (See Eubanks, Floyd G., assignor.)

McNabb, Joseph H., Winnetka, assignor to The Bell & Howell Company, Chicago, Ill. Photographic camera and carrying case therefor. 2,298,144; Oct. 6.

McShane, Phelan, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic feed for rotary well drills. 2,298,222; Oct. 6.

Menkin, Max., New York, N. Y. Indicating device for electric clocks. 2,297,838; Oct. 6.

Mercer, Donald. (See Robinson, R., and Mercer.)

Merker Counter Company. (See Colella, Gerald S., assignor.)

Merrylees, Kenneth W., London, England. Lifting grapple. 2,298,145; Oct. 6.

Mersbach, Clarence M., Chicago, Ill. Ash tray. 2,298,146; Oct. 6.

Merz, Catherine A. L., assignor to Flow Controls, Inc., Chicago, Ill. Forced air circulation refrigeration system. 2,297,970; Oct. 6.

Mesnberg, Philip, New York, N. Y. Brake tester device for automobiles or like vehicles. 2,298,065; Oct. 6.

Meyer, Julen. (See Graenacher, C., and Meyer.)

Micro-Westco, Inc. (See Kottmann, A. A., and Mohl, assignors.)

Miller, Charles F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Textile printing process. 2,298,147; Oct. 6.

Miller, Jesse G. (See Hartman, Ray E., assignor.)

Miller, Nels A., assignor to J. P. Seeburg Corporation, Chicago, Ill. Illuminated cabinet. 2,297,907; Oct. 6.

Miller, William J., Swissvale, Pa. Method and apparatus for manufacturing pottery ware. 2,298,223; Oct. 6.

Miller, Wilmer A., Camden, N. J., assignor of one-third to P. McGinnity, Yeadon, and one-third to W. Murta, Collingdale, Pa. Mirror support. 2,297,790; Oct. 6.

Mills, Albert W., Endicott, and E. J. Rabenda, Binghamton, assignors to International Business Machines Corp., New York, N. Y. Transcribing apparatus. 2,297,789; Oct. 6.

Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Coin selector. 2,297,971; Oct. 6.

Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Sound reproducing device. 2,297,972; Oct. 6.

Mills Novelty Company. (See Mills, Bert E., assignor.)

Milwaukee Gas Specialty Company. (See Alfery, Henry F., assignor.)

Mine and Smelter Supply Company, The. (See Moerlin, W. J., and Berggren, assignors.)

Minneapolis-Honeywell Regulator Company. (See Crum, Stephen, assignor.)

Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)

Minneapolis-Honeywell Regulator Company. (See Whempner, Russell H., assignor.)

Mittendorf, William F., New York, N. Y., and M. J. Stumbock, South Orange, assignors to Baker & Company, Inc., Newark, N. J. Pen. 2,298,261; Oct. 6.

Modern Moulding and Metal Craft Company Limited. (See Moore, Victor G., assignor.)

Moerlin, William J., and R. C. Berggren, assignors to The Mine and Smelter Supply Company, Denver, Colo. Sharpening bits. 2,298,018; Oct. 6.

Moessner, Wallace E., Washington, D. C. Direction signal. 2,298,148; Oct. 6.

Moffitt, John J. (See Rose, L. W., Lindberg, and Moffitt.)

Mohl, Harold H. (See Kottmann, A. A., and Mohl.)

Money, Roland H., Mount Healthy, assignor to The Crosley Corporation, Cincinnati, Ohio. Cooling device. 2,297,908; Oct. 6.

Monroe Calculating Machine Company. (See Crosman, Loring P., assignor.)

Montgomery, James V., Okmulgee, and R. W. Henry, Bartlesville, Okla., assignors to Phillips Petroleum Company. Dewaxing solvent and solvent recovery. 2,297,839; Oct. 6.

Moore, Emmett B., Evanston, Ill. Centrifugal casting machine. 2,297,973; Oct. 6.

Moore, Francis K., assignor to Albert Specialty Company, Chicago, Ill. Darkroom safelight lamp. 2,297,974; Oct. 6.

Moore, Victor G., assignor to Modern Moulding and Metal Craft Company Limited, Toronto, Ontario, Canada. Surface cutting tool. 2,297,699; Oct. 6.

Morin, George G., and E. J. Carleton, Holyoke, Mass. Hydraulic device. 2,297,975; Oct. 6.

Morton, William A., Mount Lebanon Township, Allegheny County, assignor to The Amsler-Morton Company, Pittsburgh, Pa. Continuous heating furnace. 2,298,149; Oct. 6.

Moskowitz, Louis. (See Gilbert, P. T., and Moskowitz.)

Mowat, John F. (See Elder, H. G., and Mowat.)

Moyle, Clarence L. (See Taylor, F. L., and Moyle.)

Mudgett, Guernsey F., Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Auxiliary lighting device for runway marker lights. 2,298,224; Oct. 6.

Mulder, Gerard W. (See Brier, J. C., and Mulder.)

Murta, Walter, et al. (See Miller Wilmer A., assignor.)

Myers, Latimer D., assignor to Emery Industries, Inc., Cincinnati, Ohio. Shaving cream. 2,298,019; Oct. 6.

Nachtman, John S., Youngstown, Ohio. Scrubbing and polishing apparatus. 2,297,976; Oct. 6.

Nash-Kelvinator Corporation. (See Phelps, Ross H., assignor.)

National Blank Book Company. (See Schade, John, assignor.)

National Cash Register Company, The. (See Hughes, Daniel K., assignor.)

Neely, George L., B. B. Farrington, and V. N. Borsoff, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Method of lubrication and of treating gears. 2,297,909; Oct. 6.

Nelis, Jacobus R., Leiden, Netherlands. High-tension insulator. 2,297,713; Oct. 6.

Nesbitt, Betty R., Los Angeles, Calif. Combing and massage device. 2,297,714; Oct. 6.

Nesbitt, Ethan A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Permanent magnet material and production thereof. 2,298,225; Oct. 6.

Ness, Harold J., Bloomfield, N. J. Atomizing device for pulverulent material. 2,297,791; Oct. 6.

Neuland, Alfons H., Irvington, N. J. System for charging and cooling internal combustion engines. 2,297,910; Oct. 6.

Neuwirth, Herman, Brooklyn, assignor to Testrite Instrument Company, Inc., New York, N. Y. Thermometer. 2,297,792; Oct. 6.

Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Expansion valve. 2,298,150; Oct. 6.

Nichols, Harry J., and H. L. Tholstrup, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Communication system. 2,297,793; Oct. 6.

Nichols, Harry J., Point Pleasant, N. J., and H. L. Tholstrup, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Communication system. 2,297,794; Oct. 6.

Nichols, Harry J., Point Pleasant, N. J., and H. L. Tholstrup, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Communication system. 2,297,795; Oct. 6.

Niederl, Joseph B., Brooklyn, N. Y. Substituted phenyl malonic acid and derivative thereof. 2,297,911; Oct 6.

Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Dispensing package. 2,297,690; Oct. 6.

Noble, Gerard D. (See Turnock, J. E., and Noble.)

Nordstrom, Elof, East Orange, N. J., assignor to American Can Company, New York, N. Y. Pressure regulating device. 2,297,715; Oct. 6.

Oak Rubber Company, The. (See Locke, Peer A., assignor.)

O'Brien, James J., and J. Strad, Chicago, Ill. Floor covering. 2,298,226; Oct. 6.

O'Brien, John F., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Chip control mechanism. 2,297,796; Oct. 6.

Oetiker, Edwin, Zurich-Albisrieden, Switzerland. Valve device. 2,297,797; Oct. 6.

Ohio Crankshaft Company. (See Denneen, Francis S., and Dunn, assignors.)

Oil Devices. (See Huston, Milton D., assignor.)

Oldenboom, Derk J. (See Carroll, F. M., and Oldenboom.)

Olley, Raymond H. (See Bissell, C. H., and Olley.)

O'Meara, Robert G., Tuscaloosa, Ala., assignors to Government of the United States of America, as represented by the Secretary of the Interior. Separation of feldspar from quartz. 2,297,689; Oct. 6.

Oplinger, Kirk A., Verona, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Switching apparatus. 2,298,151; Oct. 6.

O'Russa, Lorence, Princeville, Ill. Decorative memento. 2,298,152; Oct. 6.

Osner, Clarence W., assignor to Chicago Railway Equipment Company, Chicago, Ill. Adjustable door stop and applying same. 2,297,977; Oct. 6.

Oswald Bros. (See Oswald, John P., assignor.)

Oswald, John P., assignor to Oswald Bros., Los Angeles, Calif. Forming curbs. 2,297,978; Oct. 6.

Overstrom, Conrad. (See Overstrom, G. A., G., and C.)

Overstrom, George. (See Overstrom, G. A., G., and C.)

Overstrom, Gustave A. and G., Eagle Rock, and C. Overstrom, Pasadena, Calif. Vibrating screen. 2,298,153; Oct. 6.

Ovestrud, Melvin. (See Berg, E. G., and Overstrud.)

Pabst Brewing Company. (See Rue, Harold E., assignor.)

Pacific Pump Works. (See Hall, Jesse E., assignor.)

Package Machinery Company. (See Lyon, Norman W., assignor.)

Paddock, Levi S. (See Jensen, L. B., and Paddock.)

Parr, Josephus O., Jr., assignor to Olive S. Petty, San Antonio, Tex. Seismic surveying. 2,298,020; Oct. 6.

Parsons, Charles E. (See Strong, W. E. S., and Parsons.)

Parus, Raymond S., Tuscarora, Nev. Hay stacker. 2,298,256; Oct. 6.

Patnode, Winton L., Schenectady, N. Y., assignor to General Electric Company. Mineral oil gels. 2,298,066; Oct. 6.

Paull, Archibald W., Sr., A. L. Edwards and W. T. Davis, assignors to Wheeling Stamping Company, Wheeling, W. Va. Apparatus for burnishing shoulders of collapsible tubes. 2,298,067; Oct. 6.

Payson, Rudolph, Flushing, N. Y. Hoisting apparatus. 2,297,912; Oct. 6.

Pearson, John H. (See Rainsford, A. E., and Pearson.)

Pearson, William M. (See Helland, John H., assignor.)

Peck, Clarence E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Industrial heat treating furnace. 2,297,798; Oct. 6.

Peck, Robert E., assignor of one-fourth to W. Burchenal and one-fourth to M. Lippincott, Cincinnati, Ohio. Fitting for conduit construction. 2,297,979; Oct. 6.

Pennella, Samuel, East Orange, N. J. Surface condenser. 2,298,154; Oct. 6.

Pennsylvania Crusher Company, The. (See Krider, George E., assignor.)

Pennsylvania Rubber Company. (See Bowers, A. C., and Du Puy, assignors.)

Perkins, Kenneth, Scotch Plains, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric drive for sewing machines. 2,298,155; Oct. 6.

Perkins, Ralph I., San Antonio, Tex. Folding vise stand. 2,297,980; Oct. 6.

Person, Earl R., Leominster, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of brushes. 2,298,156; Oct. 6.

Petty, Olive S. (See Parr, Josephus O., Jr., assignor.)

Pfeiffer, Charles G., Philadelphia, assignor to Specialty Engineering Company, Philadelphia, Pa. Tank construction. 2,297,840; Oct. 6.

Phelps, Ross H., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Flexible control. 2,297,913; Oct. 6.

Phillips Petroleum Company. (See Fender, Fred L., assignor.)

Phillips, Olga L., London, England. Massaging device. 2,298,157; Oct. 6.

Phillips Petroleum Company. (See Flatford, William R., assignor.)

Phillips Petroleum Company. (See Montgomery, J. V., and Henry, assignors.)

Phoenix Dye Works. (See Susen, Theodore A., assignor.)

Pickering Governor Company, The. (See Crafts, I. M., and Taylor, assignors.)

Pierce, John B., Foundation. (See Strong, W. E. S., and Parsons, assignors.)

Pierce, Lyle F., Watsonville, Calif. Electromagnetic switch. 2,298,068; Oct. 6.

Pifer, George W., Findlay, Ohio. Viewing device. 2,297,799; Oct. 6.

Pinkerton, James W., Lodi, and H. Knecht, Acampo, Calif. Resoling and reheeling mold for footwear. 2,298,227; Oct. 6.

Pino, Myrtle M., Denver, Colo. Pie pan. 2,297,914; Oct. 6.

Pioneer Engineering Works, Inc. (See Berg, E. G., and Ovestrud, assignors.)

Pipkin, Marvin, Cleveland Heights, Ohio, assignor to General Electric Company. Frosting glass articles. 2,297,981; Oct. 6.

Piron, Emil H., New York, N. Y., assignor to Transit Research Corporation. Door suspension and actuating means. 2,298,158; Oct. 6.

Plitt, Eugene A. (See Plitt, K. G., Sr., K. G., Jr., and E. A.).

Plitt, Karl G., Jr. (See Plitt, K. G., Sr., K. G., Jr., and E. A.).

Plitt, Karl G., Sr., K. G., Jr., and E. A., St. Louis, Mo. Preparation of fresh meats. 2,298,159; Oct. 6.

Polaroid Corporation. (See Land, Edwin H., assignor.)

Polhemus, John K., assignor to General Aniline & Film Corporation, Binghamton, N. Y. Photographic printer mechanism. 2,298,097; Oct. 6.

Pollitz, Harold C., assignor to Iowa Manufacturing Company, Cedar Rapids, Iowa. Portable mixing plant. 2,298,160; Oct. 6.

Pond, Harold J., and C. O. Larson, assignors to Advance Machine Company, Inc., Minneapolis, Minn. Terrazzo grinder. 2,298,228; Oct. 6.

Potter, Thora G., and G. S. Flaten, Seattle, Wash.; said Potter assignor to said Flaten. Garter waist. 2,298,245; Oct. 6.

Potts, Ralph H., La Grange, and J. E. McKee, Western Springs, assignors to Armour and Company, Chicago, Ill. Producing alkyd resins. 2,297,716; Oct. 6.

Potts, Roy C., Takoma Park, Md. Collapsible multicompartment carton. 2,297,982; Oct. 6.

Potwin, Julian C., assignor to Pratt, Read & Company, Ivoryton, Conn. Piano action. 2,297,717; Oct. 6.

Pratt, Read & Company. (See Potwin, Julian C., assignor.)

Presser, Eric A. F., East Chicago, Ind. Propeller. 2,298,021; Oct. 6.

Presto Lock Corporation. (See Levine, Abraham, assignor.)

Prosperity Company, The. (See Hutchings, Walter B., assignor.)

Protectoseal Company of America. (See Madson, Regnar E., assignor.)

Pugh, Alexander L., Jr., Bala-Cynwyd, assignor to International Resistance Company, Philadelphia, Pa. Hermetically sealed resistor. 2,297,780; Oct. 6.

Putman, Henry V., A. M. Lockie, J. K. Hodnette, and M. G. Leonard, Sharon, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Transformer signaling and tripping. 2,298,229; Oct. 6.

Rabenda, Edward J. (See Mills, A. W., and Rabenda.)

Radiart Corporation, The. (See Mace, Arthur T., assignor.)

Radio Corporation of America. (See Crosby, Murray G., assignor.)

Radio Corporation of America. (See Katzin, Martin, assignor.)

Radio Corporation of America. (See Mathes, Richard E., assignor.)

Radio Corporation of America. (See Roberts, Walter van B., assignor.)

Radio Corporation of America. (See Usselman, George L., assignor.)

Radke, Hugo M., Tacoma, Wash. Cushioning pedestal. 2,298,230; Oct. 6.

Rainsford, Albert E., New York, and J. H. Pearson, Flushing, assignors to General Chemical Company, New York, N. Y. Production of nitriles. 2,298,231; Oct. 6.

Ralston, Anderson W., assignor to Armour and Company, Chicago, Ill. Gelatinous sheets, films, and plastic masses. 2,298,162; Oct. 6.

Ranco Incorporated. (See Raney, Estel C., assignor.)

Ranco Incorporated. (See Raney, Roy E., assignor.)

Rand, James H., Jr., Stamford, Conn., and A. M. Ross, Garden City, assignors to Remington Rand Inc., Buffalo, N. Y. Electric razor. 2,297,915; Oct. 6.

Raney, Estel C., assignor to Ranco Incorporated, Columbus, Ohio. Control apparatus. 2,298,163; Oct. 6.

Raney, Roy E., assignor to Ranco Incorporated, Columbus, Ohio. Control system. 2,298,164; Oct. 6.

Ray, William A., Glendale, Calif. Fluid control valve. 2,297,718; Oct. 6.

Raytheon Manufacturing Company. (See Smith, Charles G., assignor.)

Ren, Walter C., Kew Gardens, assignor to Detachable Bit Company, New York, N. Y. Making detachable bits for rock drills. 2,297,983; Oct. 6.

Read, Thomas A., Philadelphia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Standard frequency oscillator 2,297,800; Oct. 6.

Reading, George H., Vallejo, Calif. Tree support. 2,298,069; Oct. 6.

Reaser, William E., Easton, and H. C. Tanner, Drexel Hill, Pa.; said Tanner assignor to Bailey Meter Company. Control method and apparatus. 2,298,257; Oct. 6.

Reconstruction Finance Corporation. (See Eisenhauer, Charles B.)

Reconstruction Finance Corporation. (See Westrope, Frederick J., assignor.)

Reinke, Lucille M., Vincennes, Ind. Garment. 2,298,098; Oct. 6.

Reller, Lucille S., Chicago, Ill. Cosmetic case. 2,297,984; Oct. 6.

Remington Rand Inc. (See Rand, J. H., Jr., and Ross, assignors.)

Remund, Robert E. Minneapolis, Minn. Method and apparatus for applying stimulant to plants. 2,298,232; Oct. 6.

Reyrolle, A., & Company Limited. (See Gale, H. M., and Kirkwood, assignors.)

Ricard, Arthur P., Slater, Wis. Valve mechanism. 2,298,233; Oct. 6.

Rich, Howard B., assignor to The Rich Ladder and Manufacturing Company, Cincinnati, Ohio. Ironing table. 2,298,165; Oct. 6.

Rich Ladder and Manufacturing Company, The. (See Rich, Howard B., assignor.)

Richards, Boggs & King, Inc. (See Aranow, George, assignor.)

Richards, Philip, Fresno, Calif. Power tailgate. 2,298,166; Oct. 6.

Richfield Oil Corporation. (See Gardner, Robert I., assignor.)

Ringland, George L., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Adjustable end play motor. 2,298,022; Oct. 6.

Rissler, Lennie R., Hohokus, N. J., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Elevator safety device. 2,298,167; Oct. 6.

Rivers, George, East Chicago, Ind. Floating roof. 2,297,983; Oct. 6.

Roach, Jesse E., Forest Hills, N. Y. Container and seal therefor. 2,297,842; Oct. 6.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Modulation. 2,298,099; Oct. 6.

Robinson, Claude L., assignor to Consolidated Instruments Corporation, Michigan City, Ind. Differential pressure measuring device. 2,298,168; Oct. 6.

Robinson, Fawn I., et al. (See Thunell, Isaac P., assignor.)

Robinson, J. Graydon, et al. (See Thunell, Isaac P., assignor.)

Robinson, Robert, Oxford, and D. Mercer, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of diphenylacetophenone. 2,298,169; Oct. 6.

Robinson, Samuel S., Jr., assignor to Lilliston Implement Company, Albany, Ga. Cultivator. 2,298,161; Oct. 6.

Robinson, Vera E., Chicago, Ill. Heat deflector. 2,298,170; Oct. 6.

Roche, Austin O., Jr. (See Jehle, F., and Roche, Jr.)

Rogers, George L., assignor to I. B. Rogers, Inglewood, Calif. Tobacco weighing scale. 2,298,080; Oct. 6.

Rogers, Ione B. (See Rogers, George L., assignor.)

Rolscreen Company. (See Kuyper, Peter H., assignor.)

Rolyan Corporation. (See Eklund, Howard J., assignor.)

Rona, Gustav G., New York, N. Y. Slide fastener construction. 2,298,171; Oct. 6.

Rose, Leo W., and J. C. Lindberg, Dover, and J. J. Moffitt, New Philadelphia, Ohio. Electrical connector. 2,298,172. Oct. 6.

Ross, Albert M. (See Rand, J. H., and Ross.)

Rossander, Swanie S., and C. E. Sparks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. 2,297,801; Oct. 6.

Rowland, Ben W., and D. Fronmuller, assignors to The Institute of Paper Chemistry, Appleton, Wis. Scouring wool. 2,297,986; Oct. 6.

Rue, Harold E., Wauwatosa, Wis., assignor to Pabst Brewing Company, Chicago, Ill. Container producing machine. 2,298,173; Oct. 6.

Rugg, Harold H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Switching apparatus. 2,298,234; Oct. 6.

Ryden, Eric H. (See Highley, F. R., and Ryden.)

Ryerson, Edward T., Wilmette, assignor to The W. E. Long Company, Chicago, Ill. Carton. 2,297,987; Oct. 6.

Sachs, Carl R., Fremont, Ohio. Insulated holder and tightener for wire fences. 2,297,802; Oct. 6.

St. Joseph Lead Company. (See Long, C. C., and Deeley, assignors.)

Sampson, Samuel, Woodmere, N. Y., assignor to Swank Products, Inc. Combined tie clip and pencil. 2,298,247; Oct. 6.

Santa Anita Westinghouse Control Gate Incorporated. (See Cormier, Walter, assignor.)

Santini, Danilo, Tenafly, assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Elevator control system. 2,298,174; Oct. 6.

Satterlee, Howard A., Needham, Mass., assignor to Submarine Signal Company, Boston, Mass. Control circuit. 2,297,719; Oct. 6.

Sauer, Peter, assignor to The Kilborn-Sauer Company, Fairfield, Conn. Marine flag pole light and socket. 2,297,916; Oct. 6.

Saunders, Henry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Radio antenna. 2,298,023; Oct. 6.

Sawyer Electrical Mfg. Co. (See Sawyer, Marion B., assignor.)

Sawyer, Marion B., assignor to Sawyer Electrical Mfg. Co., Los Angeles, Calif. Motor construction. 2,297,988; Oct. 6.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Ring binder construction. 2,297,989; Oct. 6.

Scheerer, Walter, Berlin-Lichterfelde, and K. Schussler, Berlin-Tempelhof, Germany, assignors to International Business Machines Corporation, New York, N. Y. Printing apparatus. 2,297,803; Oct. 6.

Schenk, Carl R., Jersey City, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Heating apparatus. 2,298,175; Oct. 6.

Schirmer, Walter E. (See Trautman, C. W., and Schirmer.)

Schmid, Julius, Inc. (See Loughnane, Michael H., assignor.)

Schmidt, Louis F., Chicago, Ill. Automatic gas burner lighter. 2,297,917; Oct. 6.

Schmitt, Milton G., Kaukauna, and M. L. Downs, Appleton, Wis., assignor to Thilmany Pulp & Paper Company. Testing greaseproof paper. 2,297,990; Oct. 6.

Schmutzer, Charles, Irvington, and K. Manrodt, assignors to Hoffman Beverage Company, Newark, N. J. Foil applying apparatus for bottles. 2,297,720; Oct. 6.

Schorn, Carl F., Detroit, Mich., assignor to G. M. and E. Holley. Torque controlled carburetor. 2,297,918; Oct. 6.

Schultz, Ewald. (See Gardner, W. W., and Schultz.)

Schussler, Karl. (See Scheerer, W., and Schussler.)

Schwartz, Nathan R., New York, N. Y. Swivel unit. 2,298,176; Oct. 6.

Schwarzbart, Julius, Brunn-Jundrov, assignor of one-half to H. Zeisel, Brunn, Czechoslovakia. Shaped brick. 2,297,920; Oct. 6.

Science Laboratories, Inc. (See Stirnkorb, John R., assignor.)

Scott, Gilbert L., Kirklin, Ind. Holder for cigarettes or like articles. 2,297,919; Oct. 6.

Scott, Hermon H., Somerville, assignor to General Radio Company, Cambridge, Mass. Electric filter circuit. 2,298,177; Oct. 6.

Secretary of Agriculture of the United States of America, Henry A. Wallace, and his successors in office. (See Loughborough, William K., assignor.)

Seeburg, J. P., Corporation. (See Miller, Nels A., assignor.)

Seidman, Irving. (See Johnson, Charles A., assignor.)

Seitz, Richard M., and S. Goldsmith, Cincinnati, Ohio. Circuit breaker operation recorder. 2,298,235; Oct. 6.

Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Cyclic acetals. 2,297,921; Oct. 6.

Senn, Jurg A., Milwaukee, and C. Stansbury, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Control of electric circuits. 2,297,991; Oct. 6.

Servel, Inc. (See Blomqvist, Gustav M., assignor.)

Servel, Inc. (See Hainsworth, William R., assignor.)

Sharpnack, Edwin V., Arnold, Pa. Bait bucket. 2,297,843; Oct. 6.

Shoemaker, Albert M., New York, assignor to Diorama Corporation of America, Queens County, N. Y. Optical device. 2,297,844; Oct. 6.

Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine. 2,298,070; Oct. 6.

Shoup Voting Machine Corporation, The. (See Shoup, Ransom F., assignor.)

Siegfried, James F., Easton, Pa. Material reducing mill. 2,297,804; Oct. 6.

Siegmund, Humphreys O., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Terminal bank. 2,298,236; Oct. 6.

Silex Company, The. (See Wolcott, Frank E., assignor.)

Singer Manufacturing Company, The. (See Schenk, Carl R., assignor.)

Singer Manufacturing Company, The. (See McCann, Michael, assignor.)

Singer Manufacturing Company, The. (See Perkins, Kenneth, assignor.)

Sloan, Harry E. and H. E., Jr., Hartford, and G. A. Highberg, West Hartford, assignors to The Cushman Chuck Company, Hartford, Conn. Chuck operating mechanism. 2,297,922; Oct. 6.

Smetana, Otto F., Concord, N. C. Ravel stop for knitted fabrics and making the same. 2,297,805; Oct. 6.

Smith, Albert A., Jr., and P. A. Beck, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Lead base coating alloy. 2,298,237; Oct. 6.

Smith, Albert F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stiffened fabric. 2,298,071; Oct. 6.

Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical gaseous discharge control device. 2,297,721; Oct. 6.

Smith, Clyde, Hopkinsville, Ky. Remotely controlled register system. 2,298,238; Oct. 6.

Smith, Paul J., Omaha, Nebr. Magnetic holder for pencils or the like. 2,297,806; Oct. 6.

Societe Anonyme Pour Les Applications De l' Electricite Electricite Et Des Gaz Rares-Etablissements Claude-Paz et Silva. (See Claude, Andre, assignor.)

Societe d'Inventions Aeronautiques Et Mecaniques S. I. A. M. (See Levy, René L., assignor.)

Society of Chemical Industry in Basle. (See Graenacher, C., and Meyer, assignors.)

Society of Chemical Industry in Basle. (See Kern, W., Hoibro, and Tobler, assignors.)

Socony-Vacuum Oil Company. (See Adams, G. L., and Baker, assignors.)

Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Treatment of styrene type compounds. 2,297,722; Oct. 6.

Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Treatment of styrene type compounds. 2,297,723; Oct. 6.

Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Treatment of styrene type compounds. 2,297,724; Oct. 6.

Solomon & Birnbaum, Inc. (See Fuller, George, assignor.)

Somerville, Wayne F., and Virgil N. Wawers, Spokane, Wash. Inclinometer. 2,298,072; Oct. 6.

Sommers, Florence, Los Angeles, Calif. Fingernail bonnet. 2,297,807; Oct. 6.

Sonora Radio & Television Corp. (See Hoffmann, E. L. and Fetterman, assignors.)

Sooy, Walter E. (See Fisher, H. C., and Sooy.)

Soucy, Ernest F., Rumford, Maine. Sprinkler system for chimneys. 2,297,808; Oct. 6.

Sparks, Chiles E. (See Rossander, S. S., and Sparks.)

Specialty Engineering Company. (See Pfeiffer, Charles G., assignor.)

Sperry Products, Inc. (See Drake, Harcourt C., assignor.)

Sperry Products, Inc. (See Jones, George L., assignor.)

Spilhaus, Athelstan F., University Heights, N. Y., assignor to Submarine Signal Company, Boston, Mass. Bathythermograph. 2,297,725; Oct. 6.

Spong, Norman C. (See Burson, Harry H., assignor.)

Squibb, E. R., & Sons. (See Nitardy, Ferdinand W., assignor.)

Staley, Joseph H., Columbus, Ind. Mercury conserving switch. 2,298,178; Oct. 6.

Standard Oil Company of California. (See Dayhuff, W. C., and Bowman, assignors.)

Standard Oil Company of California. (See Neely, G. L., Farrington, and Borsoff, assignors.)

Standard Railway Devices Company. (See Bonsall, Charles D., assignor.)

Stansbury, Carroll. (See Senn, J. A., and Stansbury.)

Stanton, Norman R. (See Anderson, W. H., and Stanton.)

Staroba, Joseph F., Chicago, assignor to Taylor Forge & Pipe Works, Cicero, Ill. Pipe bend machine. 2,297,809; Oct. 6.

Stechbart, Bruno, assignor to The Bell & Howell Company, Chicago, Ill. Adjustable support mechanism. 2,298,087; Oct. 6.

Steiner, Frank G., Miami Beach, Fla., and R. G. Birr, Lombard, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah. Cabinet for dispensing sheet material. 2,298,179; Oct. 6.

Steiner Sales Company. (See Steiner, F. G., and Birr, assignors.)

Stephanoff, Nicholas N., Haverford, Pa., assignor to Thermo-Plastics Corporation, Elizabeth, N. J. Method and apparatus for drying or the like. 2,297,726; Oct. 6.

Stewart, Robert J., and H. H. Franz, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Drain fitting. 2,297,810; Oct. 6.

Stirnkorb, John R., Cincinnati, assignor to Science Laboratories, Inc., Norwood, Ohio. Light source. 2,298,239; Oct. 6.

Stocker, Emil, assignor to J. R. Geigy A. G., Basel, Switzerland. Production of nitriles. 2,297,811; Oct. 6.

Stoltz, Glenn E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Draft control system. 2,297,812; Oct. 6.

Stoltz, Glenn E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,298,180; Oct. 6.

Stone, John R., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric circuits. 2,298,073; Oct. 6.

Stork, Ralph E., Hohokus, N. J., assignor to R. G. Wright & Company, Inc., Buffalo, N. Y. Chain. 2,297,813; Oct. 6.

Strad, James. (See O'Brien, J. J., and Strad.)

Stranszky, Emil, Erie, Pa., assignor to G. Van Daam, Buffalo, N. Y. Electric therapeutic bandage. 2,298,181; Oct. 6.

Straub, Francis J., New Kensington, Pa. Manufacture of concrete building blocks. 2,298,074; Oct. 6.

Strong, William E. S., New York, N. Y., and C. E. Parsons, Princeton, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Positioning magnetically responsive sleeves within a mass of moldable material. 2,297,923; Oct. 6.

Strube, Harry L., Philadelphia, Pa., assignor to Link-Belt Company. Vibrating screen. 2,298,182; Oct. 6.

Stueland, Harold M. (See Court, F. T., and Stueland.)

Stumbock, Max J. (See Mittendorf, W. F., and Stumbock.)

Submarine Signal Company. (See Satterlee, Howard A., assignor.)

Submarine Signal Company. (See Spilhaus, Athelstan F., assignor.)

Sullivan Machinery Company. (See Joy, Joseph F., assignor.)

Susen, Theodore A., Winnetka, assignor to Phoenix Dye Works, Chicago, Ill. Machine for substituting cores for the cores in yarn packages. 2,298,183; Oct. 6.

Svoboda, Paul V., and A. I. Drosin, New York, N. Y. Diver toy. 2,297,727; Oct. 6.

Swain, Roger L., Danville, Va. Tobacco product. 2,298,088; Oct. 6.

Swank Products, Inc. (See Sampson, Samuel, assignor.)

Swim, Lowell C., Modesto, Calif. Adjustable low-bed vehicle. 2,297,992; Oct. 6.

Symington-Gould Corporation, The. (See Barrows, D. S. and Couch, assignors.)

Tampax Incorporated. (See McLaughlin, John R., assignor.)

Tanner, Henry C. (See Reaser, W. E., and Tanner.)

Taylor, Charles B. (See Crafts, I. M., and Taylor.)

Taylor Forge & Pipe Works. (See Staroba, Joseph F., assignor.)

Taylor, Fred L., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Ethers of substituted phenylphenols. 2,297,728; Oct. 6.

Taylor Instrument Companies. (See Edwards, E. A., and Hartman, assignors.)

Taylor, Taylor & Hobson Limited. (See Warmisham, Arthur, assignor.)

Taymans, Bernard J., and G. M. Glazier, Baltimore, Md. Refrigerator. 2,297,814; Oct. 6.

Templeton, James O., Jr., Winchester, Tenn. Stool attachment. 2,297,845; Oct. 6.

Testrite Instrument Company. (See Neuwirth, Herman, assignor.)

Thermo-Plastics Corporation. (See Stephanoff, Nicholas N., assignor.)

Thilmany Pulp & Paper Company. (See Schmitt, M. G., and Downs, assignors.)

Tholstrup, Henry L. (See Nichols, H. J., and Tholstrup.)

Thomas, Harry W., Miami Beach, Fla. Screen frame. 2,297,729; Oct. 6.

Thunell, Isaac P., Holladay, Utah, assignor of one-half to J. G. and F. I. Robinson, Glasgow, Mont. Toy. 2,298,262; Oct. 6.

Tidd, Gage W., assignor to Autogiro Company of America, Willow Grove, Pa. Air rotor. 2,297,815; Oct. 6.

Tinus, William C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio frequency oscillator. 2,298,075; Oct. 6.

Tobler, Richard. (See Kern, W., Holbro, and Tobler.)

Toepfer, Adolph H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ignition welding timer. 2,298,240; Oct. 6.

Torkelson, Torkel E., Baldwin, assignor to International Business Machines Corporation, New York, N. Y. Electrical control system. 2,297,816; Oct. 6.

Transit Research Corporation. (See Piron, Emil H., assignor.)

Trans-Lux Corporation. (See Giles, Aquila, assignor.)

Tratsch, Walter A., Chicago, Ill. Target device. 2,297,993; Oct. 6.

Trautman, Charles W., Elkhart, Ind., and W. E. Schirmer, Buchanan, Mich., assignors to Bucklen-Bear Laboratories, Inc., Elkhart, Ind. Mercury switch. 2,297,924; Oct. 6.

Trojan Powder Company. (See Wyler, J. A., and Boyd, assignors.)

Truxell, Clyde W., Jr., Northville, Mich., and R. P. Koehring, and J. M. Hildabolt, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Filter element and making the same. 2,297,817; Oct. 6.

Turnock, Joseph E., Riverton, N. H., and G. D. Noble, Philadelphia, Pa. Transfer mechanism. 2,297,730; Oct. 6.

Underwood Elliott Fisher Company. (See Foothroap, Harry A., assignor.)

Underwood, William F. (See Charch, W. H., and Underwood.)

Union Oil Company of California. (See Clarke, P. S., and Flaxman, assignors.)

United Drug Company. (See Haller, J. A., and Ewing, assignors.)

United Engineering and Foundry Company. (See Kohler, Kurt P., assignor.)

United Gas Improvement Company, The. (See Soday, Frank J., assignor.)

United Lens Corporation. (See Arbuckle, S. F., Coulter, and Godley, assignors.)

United Shoe Machinery Corporation. (See Eppler, A., Jr., and Butler, assignors.)

Universal Oil Products Company. (See Benedict, Wayne L., assignor.)
Universal Oil Products Company. (See Dryer, C. G., and Wirth, assignors.)
Universal Oil Products Company. (See Egloff, Gustav, assignor.)
Universal Oil Products Company. (See Ipatieff, V. N., and Haensel, assignors.)
Universal Oil Products Company. (See Kanhofer, Elmer R., assignor.)
Usselman, George L., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna system. 2,297,925; Oct. 6.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulated transmitter. 2,297,926; Oct. 6.
Utica Cutlery Company. (See Allen, Albert E., assignor.)
Vacuum Concrete Inc. (See Billner, Karl P., assignor.)
Vallarelli, Pasquale, Leavenworth, Kans. Envelope opener. 2,298,024; Oct. 6.
Van Benschoten, William H., Washington, D. C. Method of and apparatus for producing stereograms. 2,297,846; Oct. 6.
Van Daam, Gerrit. (See Stranszky, Emil, assignor.)
Van Sickle, Roswell C., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,297,818; Oct. 6.
Vaughan, Francis E., et al. (See Eubanks, Floyd G., assignor.)
Veenboer, Nicholas, Paterson, N. J. Christmas tree decoration. 2,298,089; Oct. 6.
Vellinga, John, Chicago, Ill. Douche. 2,297,994; Oct. 6.
Verner, Hyman J., Perth Amboy, N. J., assignor to International Smelting and Refining Co. Base plate for billet mold and the like. 2,298,241; Oct. 6.
Von Rosenberg, Herbert J., San Antonio, Tex. Building and floor foundation. 2,298,184; Oct. 6.
Wagenknecht, Otto E., assignor to Zenith Radio Corporation, Chicago, Ill. Circuit selecting switch. 2,297,819; Oct. 6.
Walker, Kenneth E. (See Woodhouse, J. C., and Walker.)
Wallace, Charles F., Westfield, and J. R. MacKay, West Caldwell, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Vibratory armature electromagnetic motor. 2,297,930; Oct. 6.
Wallace & Tiernan Products, Inc. (See Wallace, C. F., and MacKay, assignors.)
Waltmann, Ernst, and E. Wolf, Krefeld, Germany, assignors to Heberlein Patent Corporation, New York, N. Y. Rendering textiles water repellent. 2,297,731; Oct. 6.
Warmisham, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective. 2,298,090; Oct. 6.
Washington Institute of Technology, Inc. (See Wintermute, G. H., and Davies, assignors.)
Waterbury Farrel Foundry and Machine Company, The. (See O'Brien, John F., assignor.)
Watson-Stillman Co., The. (See Dinzl, Richard W., assignor.)
Wawers, Virgil N. (See Somerville, W. F., and Wawers.)
Wegmann, Adolph J., Flushing, N. Y., assignor to Dri-Steam Products, Inc. Steam separator. 2,298,242; Oct. 6.
Welsh and Green, Incorporated. (See Brier, J. C., and Mulder, assignors.)
Western Union Telegraph Company, The. (See Wyss, Clement H., Jr., assignor.)
Westinghouse Electric Elevator Company. (See Eames, William F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Anderson, William B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Armstrong, George C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brown, Myron J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clark, E. K., and Lee, assignors.)
Westinghouse Electric & Manufacturing Company. (See Cox, Joseph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Crabbs, Herbert J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ely, James K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Estorff, Walther, assignor.)
Westinghouse Electric & Manufacturing Company. (See Geiselman, Ralph A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gustin, D. S., and Hodgkins, assignors.)
Westinghouse Electric & Manufacturing Company. (See Guzik, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Hodnette, John K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Janetschke, Erwin, assignor.)
Westinghouse Electric & Manufacturing Company. (See Johns, Francis J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kilgore, Lee A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kilgore, L. A., and Frisch, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lamberger, E. H., and Langer, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lee, Paul R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Levy, Cyril C., assignor.)
Westinghouse Electric & Manufacturing Company. (See MacKenzie, Kenneth W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See May, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See McShane, Phelan, assignor.)
Westinghouse Electric & Manufacturing Company. (See Mudgett, Guernsey F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Plinger, Kirk A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Peck, Clarence E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Putman, H. V., Lockie, Hodnette, and Leonard, assignors.)
Westinghouse Electric & Manufacturing Company. (See Read, Thomas A., assignor.)
Westinghouse Eelctric Elevator Company. (See Rissler, Lennie R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rugg, Harold H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Santini, Danilo, assignor.)
Westinghouse Electric & Manufacturing Company. (See Stoltz, Glenn E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Toepfer, Adolph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Van Sickle, Roswell C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Whittaker, Charles C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Zetterquist, Eric A., assignor.)
Westrope, Frederick J., Pleasant Ridge, assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Foldable top structure for motor vehicles. 2,297,820; Oct. 6.
Wheeling Stamping Company. (See Paull, A. W., Sr., Edwards, and Davis, assignors.)
Whempner, Russell H., assignor to Minneapolis-Honeywell-Regulator Company, Minneapolis, Minn. Combustion control and safety alarm system. 2,297,821; Oct. 6.
White, Eric L. C., Hillingdon, assignor to Electric & Musical Industries Limited, Hayes Middlesex, England. Modulated high frequency transmitter. 2,297,931; Oct. 6.
White, James F., et al. (See Clark, Joseph S., assignor.)
Whiting, Max A., Schenectady, N. Y., assignor to General Electric Company. Electric dynamometer. 2,298,076; Oct. 6.
Whitman, Vernon E., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Tripod, particularly applicable to photographic cameras. 2,297,927; Oct. 6.
Whittaker, Charles C., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Trolley frog control system. 2,298,185; Oct. 6.
Wickersham Press, Inc., The. (See Heileman, Herman F., assignor.)
Wickes Bros. (See Floeter, Frederick S., assignor.)
Widdows, Richard G., Shaker Heights, assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Magnetic separator. 2,298,243; Oct. 6.
Wilckens, Elbe A., and E. M. Magill, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Article separating mechanism. 2,297,847; Oct. 6.
Wilcox, Norris, New York, N. Y. Vertical file. 2,298,244; Oct. 6.
Wilson, John D., assignor to Governair Corporation, Oklahoma City, Okla. Air conditioning unit. 2,297,928; Oct. 6.
Winne, Walter G., et al. (See Frank, Nathan, assignor.)
Wintermute, Gerald H., Washington, D. C., and G. L. Davies, Woodside, Md., assignors to Washington Institute of Technology, Inc., Washington, D. C. Radio landing control system. 2,297,822; Oct. 6.
Wirth, Charles, III. (See Dryer, C. G., and Wirth.)
Wise, George, Washington, D. C. Cabinet. 2,297,995; Oct. 6.
Wise, Leonard G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Increasing the ink receptivity of metallic surfaces. 2,297,929; Oct. 6.
Witter, Claude A., Philadelphia, Pa. Press. 2,298,077; Oct. 6.
Wolcott, Frank E., West Hartford, assignor to The Silex Company, Hartford, Conn. Flatiron stand. 2,297,849; Oct. 6.
Wolf, Edgar. (See Waltmann, E., and Wolf.)
Wolfe, Walter C., assignor of forty-five per cent to F. S. Bowyer, Albuquerque, N. Mex. Venetian blind. 2,297,996; Oct. 6.
Wolff, Werner, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Plastic masses similar to factice and linoxyn. 2,298,078; Oct. 6.

Wood, William H., Bedford, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Printing plate preparation. 2,297,932; Oct. 6.
Woodhouse, John C., Wilmington, and K. E. Walker, Elmhurst, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Ester. 2,298,186; Oct. 6.
Woodhouse, John C., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Baking powder composition. 2,298,187; Oct. 6.
Woodward, David W., Wilmington, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic color process involving the formation of azo dye images. 2,297,732; Oct. 6.
Woolery, Joseph A., Seattle, Wash. Oil-level measuring stick. 2,297,850; Oct. 6.
Wright, David C., Euclid, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Motor control system. 2,298,188; Oct. 6.
Wright, R. G., & Company. (See Stork, Ralph E., assignor.)
Wyler, Joseph A., and R. N. Boyd, assignors to Trojan Powder Company, Allentown, Pa. Manufacture of trinitrotoluene of high purity. 2,297,733; Oct. 6.
Wyler, Joseph A., and R. N. Boyd, assignors to Trojan Powder Company, Allentown, Pa. Stabilization of nitrated carbohydrates. 2,297,734; Oct. 6.
Wyss, Clement H., Jr., Tuckahoe, assignor to The Western Union Telegraph Company, New York, N. Y. Illuminated display device. 2,297,851; Oct. 6.
Yonkers, Edward H., Jr., Glencoe, Ill. Suction cleaner. 2,297,933; Oct. 6.
Young, William F. (See Gordon, S. H., and Young.)
Zeisel, Heinz. (See Schwarzbart, Julius, assignor.)
Zenith Radio Corporation. (See Wagenknecht, Otto E., assignor.)
Zetterquist, Eric A., Drexel Hill, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine cylinder construction. 2,297,852; Oct. 6.
Zetterquist, Eric A., Drexel Hill, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heating steam turbine. 2,297,853; Oct. 6.
Ziler, William J., assignor to The Dow Chemical Company, Midland, Mich. Portable cementing apparatus. 2,298,258; Oct. 6.
Zurn, J. A., Manufacturing Company. (See Luff, Henry J., assignor.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF OCTOBER, 1942

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Catalytic conversion process. L. Heard. Re. 22,196; Oct. 6.
Coupling system. D. E. Harnett. Re. 22,195; Oct. 6.
Dispensing apparatus, Liquid. W. M. Carroll. Re. 22,193; Oct. 6.
Liquid treating process and apparatus. W. H. Green. Re. 22,194; Oct. 6.
Motor fuel hydrocarbons, Manufacture of antiknock. K. Korpi and A. R. Goldsby. Re. 22,197; Oct. 6.
Telephone conversations to other electrical devices, Method and arrangement for transferring. B. Loewe. Re. 22,198; Oct. 6.

LIST OF PLANT INVENTIONS

Carnation. C. L. Canup. 547; Oct. 6.
Plant, Rose. T. J. Morris. 546; Oct. 6.

LIST OF DESIGN INVENTIONS

Airplane. G. L. Robitaille. 134,037; Oct. 6.
Bank. B. A. Mackey. 133,997; Oct. 6.
Block, Building. W. A. Larson. 133,979; Oct. 6.
Book end. F. C. Block. 133,989; Oct. 6.
Bric-a-brac. J. J. Cruise, E. G. Anderson, and S. Forsmark. 133,983; Oct. 6.
Brooch or similar article. A. Philippe. 134,026–8; Oct. 6.
Callous remover and nail cleaner, Combined. S. E. Parker. 133,998; Oct. 6.
Camera support. L. J. Du Mais. 134,016; Oct. 6.
Clip, Pin. A. Philippe. 134,029–36; Oct. 6.
Coat. D. W. Barkin. 134,000; Oct. 6.
Coat. M. Weinstein. 134,008–9; Oct. 6.
Container and applicators therefor, Combined manicure. O. V. Richards. 133,988; Oct. 6.
Dispatch box, Lightproof message. T. J. Gorman, Jr. 133,996; Oct. 6.
Display stand, Advertising. S. G. Silberstein. 133,974; Oct. 6.
Display unit. A. Emery. 133,971; Oct. 6.
Dress. A. Gershuny. 134,002; Oct. 6.
Dress. J. Richards. 134,004–7; Oct. 6.
Dress. S. Zahn. 134,012–15; Oct. 6.
Electric drill unit or the like. O. Lamb. 133,973; Oct. 6.
Emblem or similar article, Appliqué. H. Porter. 133,987; Oct. 6.
Food purveying store, Hot. W. A. Bryans. 133,982; Oct. 6.
Frame, Picture. I. Steinhardt. 133,980; Oct. 6.
Impeller. H. C. Hueglin. 134,017; Oct. 6.
Implement sheath, Cutting. F. Ehrsam. 133,985; Oct. 6.
Last or similar article. W. H. Joyce, Jr. 133,992; Oct. 6.
Leg for a stretcher. H. B. Johnson. 133,991; Oct. 6.
Lighting fixture. H. N. Gordon. 133,986; Oct. 6.
Milling machine. R. S. Condon. 133,970; Oct. 6.
Pedestal for typewriting machines. L. V. A. Guild. 134,003; Oct. 6.
Pencil and knife, Combined mechanical. J. M. Weiss. 134,010; Oct. 6.
Photographic timer. V. W. Franks. 133,995; Oct. 6.
Pin, Jewelry. M. C. Meyer. 134,021–2; Oct. 6.
Pin or similar article, Jewelry. M. C. Meyer. 134,023–5; Oct. 6.
Pin or the like, Lapel. C. R. Armstrong. 133,976; Oct. 6.
Placque or similar article. E. Adams, Sr. 133,975; Oct. 6.
Reflector device. S. M. Dover. 133,984; Oct. 6.
Ring, Finger. P. Benjamin. 133,981; Oct. 6.
Scale. V. H. Menkhaus. 133,993; Oct. 6.
Scarf or similar article. M. Vertès. 134,011; Oct. 6.
Shoe. E. H. Strassburger. 133,999; Oct. 6.
Spout for containers, Pouring. W. B. Johnson. 133,978; Oct. 6.
Stand, Engine. L. W. Alfred. 133,977; Oct. 6.
Stretcher. H. B. Johnson. 133,990; Oct. 6.
Suitcase or the like. J. Krohn, I. Steinlauf, and S. Schwartz. 133,972; Oct. 6.
Textile fabric. L. Kalman. 134,018–9; Oct. 6.
Textile fabric. J. E. Maisch. 134,020; Oct. 6.
Toy airplane or similar article. W. K. Crowder. 133,994; Oct. 6.
Wallet. H. P. Behrman. 134,001; Oct. 6.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetals, Cyclic. M. Senkus. 2,297,921; Oct. 6.
Acetic acid, Inorganic substituted. D. J. Loder. 2,298,138; Oct. 6.
Acid and derivative thereof, Substituted phenyl malonic. J. B. Niederl. 2,297,911; Oct. 6.
Adjustable end play motor. G. L. Ringland. 2,298,022; Oct. 6.
Advertising machine, Electroautomatic. D. D. Hunt. 2,297,767; Oct 6.
Air cleaner. R. W. Baily. 2,297,934; Oct. 6.
Air conditioning unit. J. D. Wilson. 2,297,928; Oct. 6.
Air-cushioned valve for compressors. L. L. Collins. 2,297,943; Oct. 6.
Airplane, Integrated model. H. M. McCoy. 2,297,712; Oct. 6.
Air pressure release for closed automobiles. F. H. Jacobs. 2,297,892; Oct. 6.
Alkyl aryl-ketones, Hydrogenation of. V. N. Ipatieff and V. Haensel. 2,297,769; Oct. 6.
Alloy: *See*—
Lead base coating alloy.
Alloy and cutting tool. C. O. Burgess and W. D. Forgeng. 2,297,687; Oct. 6.
Alloy cutting tool, Chromium-vanadium-iron. C. O. Burgess and W. D. Forgeng. 2,297,686; Oct. 6.
Animal fibers, Dyeing. G. T. Hug. 2,297,701; Oct. 6.
Animal fibers, Treating. G. T. Hug. 2,297,702; Oct. 6.
Animal fibers, Treating. G. T. Hug and G. O. Linberg. 2,297,703; Oct. 6.
Anode production. R. O. Hull. 2,297,766; Oct. 6.
Antenna system. C. R. Burrows. 2,298,034; Oct. 6.
Antenna system. G. L. Usselman. 2,297,925; Oct. 6.
Apparatus and method for use in fever therapy. J. H. Emerson. 2,298,046; Oct. 6.
Apparatus for and method of registering or recording arterial pulse waves. A. Luisada. 2,297,905; Oct. 6
Apparatus for arranging musical compositions. E. A. Cohen. 2,298,081; Oct. 6.
Apparatus for burnishing shoulders of colapsible tubes. A. W. Paull, Sr., A. L. Edwards, and W. T. Davis. 2,298,067; Oct. 6.
Apparatus for converting direct current into alternating current. S. Feingold. 2,298,003; Oct. 6.
Apparatus for making finned tubes. J. W. Brown, Jr. 2,298,249; Oct. 6.
Apparatus for making insulation life tests. H. W. Bousman. 2,298,031; Oct. 6.
Apparatus for making sectional blanks. C. B. Eisenhauer. 2,297,948; Oct. 6.
Armature electromagnetic motor, Vibratory. C. F. Wallace and J. R. MacKay. 2,297,930; Oct. 6.
Atomizing device for pulverulent material. H. J. Ness. 2,297,791; Oct. 6.
Baking powder composition. J. C. Woodhouse. 2,298,187; Oct. 6.
Bank, Terminal. H. O. Siegmund. 2,298,236; Oct. 6.
Bathythermograph. A. F. Spilhaus. 2,297,725; Oct. 6.
Battery cover mold. R. A. Bruner. 2,297,741; Oct. 6.
Belt, Combination. F. D. Greene. 2,297,955; Oct. 6.
Birdproofing. F. W. Caldwell. 2,298,194; Oct. 6.
Bits for rock drills, Making detachable. W. C. Rea. 2,297,983. Oct. 6.
Bits, Sharpening. W. J. Moerlin and R. C. Berggren. 2,298,018; Oct. 6.
Board: *See*—
Cabinet ironing board.
Bolstered handled cutlery. A. E. Allen. 2,297,855; Oct. 6.
Bolt. A. S. Heard. 2,297,831; Oct. 6.
Bottle carrier. G. W. Boh. 2,298,191; Oct. 6.
Bottle carrier. H. Z. Gray. 2,298,209; Oct. 6.
Box: *See*—
Conduit outlet box. Switch box.
Stereotype casting box.
Box. J. F. Cleary. 2,297,941; Oct. 6.
Box fastener. E. A. Johnson. 2,297,771; Oct. 6.
Bracket: *See*—
Swing bracket.
Brake. R. A. Goepfrich. 2,298,008; Oct. 6.
Brake tester device for automobiles or like vehicles. P. Meshberg. 2,298,065; Oct. 6.
Brick, Shaped. J. Schwarzbart. 2,297,920; Oct. 6.
Brushes, Manufacture of. E. R. Person. 2,298,156; Oct. 6.
Bucket, Bait. E. V. Sharpnack. 2,297,843; Oct. 6.
Building and floor foundation. H. J. von Rosenberg. 2,298,184; Oct. 6.
Building blocks, Manufacture of concrete. F. J. Straub. 2,298,074; Oct. 6.
Bulldozer attachment, Removable. C. D. Forte. 2,297,677; Oct. 6.
Burner: *See*—
Gas burner.
Cabinet: *See*—
Illuminated cabinet.
Cabinet for dispensing sheet material. F. G. Steiner and R. G. Birr. 2,298,179; Oct. 6.
Cabinet ironing board. T. H. Fay. 2,298,002; Oct. 6.
Calculating and recording machine, Combined. H. A. Foothorap. 2,298,116; Oct. 6.
Calculating machine. T. W. Chick. 2,298,263; Oct. 6.
Calculator, Listing. L. P. Crosman. 2,298,201–2; Oct. 6.
Camera. W. F. Carr. 2,298,107; Oct. 6.
Camera and carrying case therefor, Photographic. J. H. McNabb. 2,298,144; Oct. 6.
Canning method. L. B. Jensen and L. S. Paddock. 2,297,962; Oct. 6.
Capacitor motor. F. J. Johns. 2,298,131; Oct. 6.
Capsule, Digitalis. J. A. Haller and C. O. Ewing. 2,298,122; Oct. 6.
Car construction, Refrigerator. C. D. Bonsall. 2,298,193; Oct. 6.
Carbohydrates, Stabilization of nitrated. J. A. Wyler and R. N. Boyd. 2,297,734; Oct. 6.
Carburetor. A. Aymer. 2,297,736; Oct. 6.
Carburetor, Torque controlled. C. F. Schorn. 2,297,918; Oct. 6.
Carriage for cutting or sawing machines. W. W. Gardner and E. Schutz. 2,297,882; Oct. 6.
Carriage for lathes, Back rest. F. S. Floeter. 2,298,082; Oct. 6.
Carrier: *See*—
Bottle carrier.
Carton. E. T. Ryerson. 2,297,987; Oct. 6.
Carton, Collapsible multicompartment. R. C. Potts. 2,297,982; Oct. 6.
Carton, Combination shipping and display. C. K. Lavere. 2,298,136; Oct. 6.
Carton liner for molded edibles and method of folding. C. Doering. 2,297,946; Oct. 6.
Cartridge for air guns. E. L. Dreyer. 2,297,947; Oct. 6.
Case: *See*—
Cosmetic case.
Cell, Photovoltaic. J. R. Bost and T. G. Ladshaw, Jr. 2,298,030; Oct. 6.
Cellulose derivatives and product obtained thereby, Preparing. J. Kantorowicz. 2,298,260; Oct. 6.
Cellulosic structures, Production of. W. H. Charch and W. F. Underwood. 2,297,746; Oct. 6.
Cement, Rubber. A. W. Campbell. 2,297,871; Oct. 6.
Cementing apparatus, Portable. W. J. Ziler. 2,298,258; Oct. 6.
Centrifugal, casting machine. E. B. Moore. 2,297,973; Oct. 6.
Chain. R. E. Stork. 2,297,813; Oct. 6.
Chemical manufacture. R. B. MacMullin. 2,298,064; Oct. 6.
Chip control mechanism. J. F. O'Brien. 2,297,796; Oct. 6.
Chuck operating mechanism. H. E. and H. E. Sloan, Jr., and G. A. Highberg. 2,297,922; Oct. 6.
Circuit: *See*—
Control circuit. Thermistor circuit.
Electric filter circuit. Tuning.
Noise limiting circuit.
Circuit breaker, Automatic. J. H. Helland. 2,298,053; Oct. 6.
Circuit breaker operation recorder. R. M. Seitz and S. Goldsmith. 2,298,235; Oct. 6.
Circuit interrupter. H. J. Crabbs. 2,297,848; Oct. 6.
Circuit interrupter. R. C. Van Sickle. 2,297,818; Oct. 6.
Circuit interrupter, Reclosing. J. W. May. 2,298,143; Oct. 6.
Circuit maker and breaker. J. S. Clark. 2,298,108; Oct. 6.
Circuit selecting switch. O. E. Wagenknecht. 2,297,819; Oct. 6.
Circuits, Control. G. W. Fyler. 2,298,083; Oct. 6.
Circuits, Electric. J. R. Stone. 2,298,073; Oct. 6.
Circulating attachment for heaters, Hot air. C. E. Bazley. 2,298,028; Oct. 6.
Circulator and heater for tanks, Liquid. W. B. Hutchings. 2,297,768; Oct. 6.
Clamp and tightener, Cable. J. W. Felton and L. E. Madison. 2,298,115; Oct. 6.
Clamp device for container closure. W. D. Behlen. 2,297,865; Oct. 6.
Cleaner: *See*—
Air cleaner. Oil valve cleaner.
Electric drain-pipe cleaner. Suction cleaner.
Cleaning method, Gas. C. C. Long and G. E. Deele. 2,298,139; Oct. 6.

Clear vision device. R. G. MacPherson. 2,298,063; Oct. 6.
Clip and pencil, Combined tie. S. Sampson. 2,298,247; Oct. 6.
Clipper, Hair. F. D. Allen. 2,297,735; Oct. 6.
Coal breaking mechanism. R. M. Barr. 2,298,027; Oct. 6.
Coal mining machine. J. F. Joy. 2,297,894; Oct. 6.
Coating composition comprising cellulose ethers, Hot-melt. T. A. Kauppi and E. L. Kropscott. 2,297,709; Oct. 6.
Coating for metals exposed to corrosion and abrasion. G. L. Adams and R. A. Baker. 2,298,079; Oct. 6.
Cock or valve. I. Cohen. 2,298,036; Oct. 6.
Coiled-coil product and method of and apparatus for making the same. S. Karasick. 2,297,895; Oct. 6.
Coin chute deflector. B. C. Grunig. 2,298,009; Oct. 6.
Coin selector. B. E. Mills. 2,297,971; Oct. 6.
Color correction filter employing light-polarizing material. E. H. Land. 2,298,059; Oct. 6.
Combing and massage device. B. R. Nesbitt. 2,297,714; Oct. 6.
Combustion control and safety alarm system. R. H. Whempner. 2,297,821; Oct. 6.
Communication system. H. J. Nichols and H. L. Tholstrup. 2,297,793–5; Oct. 6.
Compass. F. G. Eubanks. 2,297,999–000; Oct. 6.
Composite articles, Making hardened. F. S. Deneen and W. C. Dunn. 2,297,878; Oct. 6.
Compound and making same, Dialdehyde. H. Beck. 2,297,864; Oct. 6.
Compressor air valve. L. L. Collins. 2,297,944; Oct. 6.
Concrete, Reinforced. K. P. Billner. 2,298,102; Oct. 6.
Condensation drain for explosion proof fittings. C. A. Hardage. 2,297,830; Oct. 6.
Condenser: *See*—
Surface condenser.
Condenser bushing. J. Guzik. 2,298,211; Oct. 6.
Conduit outlet box. C. H. Bissell and R. H. Olley. 2,297,824; Oct. 6.
Connector: *See*—
Electrical connector.
Connector device. S. C. Gebert. 2,298,119; Oct. 6.
Container and seal therefor. J. E. Roach. 2,297,842; Oct. 6.
Container manufacture. H. C. Fisher and W. E. Sooy. 2,298,004; Oct. 6.
Container producing machine. H. E. Rue. 2,298,173; Oct. 6.
Continuous heating furnace. W. A. Morton. 2,298,149; Oct. 6.
Control apparatus. F. Y. Carter, W. E. Cowley, and E. J. Dillman. 2,297,872; Oct. 6.
Control apparatus. E. C. Raney. 2,298,163; Oct. 6.
Control circuit. H. A. Satterlee. 2,297,719; Oct. 6.
Control device for fluid power transmitters. F. Canaan. 2,298,105; Oct. 6.
Control mechanism, Time-delayed. K. W. MacKenzie. 2,297,841; Oct. 6.
Control method and apparatus. W. E. Reaser and H. C. Tanner. 2,298,257; Oct. 6.
Control system. H. Bany. 2,298,026; Oct. 6.
Control system. R. E. Raney. 2,298,164; Oct. 6.
Control system. G. E. Stoltz. 2,298,180; Oct. 6.
Controller mechanism for general purposes. I. M. Crafts and C. B. Taylor. 2,297,876; Oct. 6.
Converter, Frequency. E. Janetschke. 2,298,130; Oct. 6.
Coolant-fuel mechanism and method. N. M. Jones. 2,298,214; Oct. 6.
Cooling device. R. H. Money. 2,297,908; Oct. 6.
Copper, Melting. P. M. Hulme and R. A. Ghelardi. 2,298,055; Oct. 6.
Cosmetic case. L. S. Reller. 2,297,984; Oct. 6.
Cotter pin. P. Jepson. 2,297,770; Oct. 6.
Coupler for tubing, Quick. G. E. Franck. 2,298,117; Oct. 6.
Coupling. W. R. Flatford. 2,297,828; Oct. 6.
Cover: *See*—
Grave box cover. Radiator cover.
Covering, Floor. J. J. O'Brien and J. Strad. 2,298,226; Oct. 6.
Cream, Shaving. L. D. Myers. 2,298,019; Oct. 6.
Cross talk, Suppression of. B. G. Bjornson and H. J. Fisher. 2,298,190; Oct. 6.
Crushing machine. G. E. Krider. 2,297,782; Oct. 6.
Cultivator. S. S. Robinson, Jr. 2,298,161; Oct. 6.
Curbs, Forming. J. P. Oswald. 2,297,978; Oct. 6.
Cutting and finishing machine, Stone. J. P. Ellenbecker. 2,297,827; Oct. 6.
Cutting machine for cotton strips and the like. J. R. McLaughlin. 2,298,221; Oct. 6.
Cylinder construction, Turbine. E. A. Zetterquist. 2,297,852; Oct. 6.
Cylinder head. F. Jardine. 2,298,213; Oct. 6.
Darkroom safelight lamp. F. K. Moore. 2,297,974; Oct. 6.
Decorative memento. L. O'Russa. 2,298,152; Oct. 5.
Deflecting system. P. T. Farnsworth. 2,297,949; Oct. 6.
Dehumidifier control. F. R. Higley and E. H. Ryden. 2,297,763; Oct. 6.
Deicing device. N. Frank. 2,297,951; Oct. 6.
Detector mechanism, Rail flaw. H. C. Drake. 2,297,879; Oct. 6.
Developing device, Photographic. C. E. Mace. 2,297,906; Oct. 6.
Diagnostic aid. R. E. Hartman. 2,298,125; Oct. 6.
Diamond-holding tool. J. Dinhofer. 2,297,750; Oct. 6.
Dies, Making. F. J. Dedrick. 2,298,041; Oct. 6.
Dimethyl itaconate and ethyl methacrylate, Interpolymer of. G. F. D'Alelio. 2,298,039; Oct. 6.
Diphenylacetophenone, Manufacture of. R. Robinson and D. Mercer. 2,298,169; Oct. 6.
Direction signal. W. E. Moessner. 2,298,148; Oct. 6.
Dispenser. R. T. Cornelius. 2,297,945; Oct. 6.
Display device, Illuminated. C. H. Wyss, Jr. 2,297,851; Oct. 6.
Display stand. F. S. Erdman. 2,298,047; Oct. 6.
Door construction for dry ice service refrigerator cars. W. C. Dunham. 2,298,259; Oct. 6.
Door stop and applying same, Adjustable. C. W. Oaner. 2,297,977; Oct. 6.
Door suspension and actuating means. E. H. Piron. 2,298,158; Oct. 6.
Douche. J. Vellinga. 2,297,994; Oct. 6.
Draft control system. G. E. Stoltz. 2,297,812; Oct. 6.
Draw-strings from lace webs, Removing. G. Fuller. 2,297,881; Oct. 6.
Dredging apparatus. F. L. Fender. 2,297,756; Oct. 6.
Drive mechanism for clothes wringers. T. W. Behan. 2,297,997; Oct. 6.
Drying or the like, Method and apparatus for. N. N. Stephanoff. 2,297,726; Oct. 6.
Duct, hydropneumatic, well-tool actuator, Single. J. E. Hall. 2,297,956; Oct. 6.
Dyes, Anthraquinone carbazole. W. Kern and R. Tobler. 2,297,777; Oct. 6.
Dyes, Azo. S. S. Rossander and C. E. Sparks. 2,297,801; Oct. 6.
Electric circuits, Control of. J. A. Senn and C. Stansbury. 2,297,991; Oct. 6.
Electric discharge lamp. A. Claude. 2,297,940; Oct. 6.
Electric drain-pipe cleaner, Portable. C. W. Faust. 2,297,755; Oct. 6.
Electric drive for sewing machines. K. Perkins. 2,298,155; Oct. 6.
Electric dynamometer. M. A. Whiting. 2,298,076; Oct. 6.
Electric flash welding machine. S. H. Gordon and W. F. Young. 2,298,051; Oct. 6.
Electric filter circuit. H. H. Scott. 2,298,177; Oct. 6.
Electric insulator. H. M. Gale and I. W. A. Kirkwood. 2,298,118; Oct. 6.
Electric lawn mower, Rotary reel. W. C. Klein. 2,298,135; Oct. 6.
Electric motor. G. C. Armstrong. 2,298,189; Oct. 6.
Electric razor. J. H. Rand, Jr., and A. M. Ross. 2,297,915; Oct. 6.
Electric switch. P. T. Gilbert and L. Moskowitz. 2,298,208; Oct. 6.
Electric therapeutic bandage. E. Stranszky. 2,298,181; Oct. 6.
Electrical connector. L. W. Rose, J. C. Lindberg, and J. J. Moffitt. 2,298,172; Oct. 6.
Electrical control system. T. E. Torkelson. 2,297,816; Oct. 6.
Electrical devices from liquid levels, Control of. E. R. Alling. 2,297,680; Oct. 6.
Electrical gaseous discharge control device. C. G. Smith. 2,297,721; Oct. 6.
Electromagnetic horn antenna, Wide band. M. Katzin. 2,297,896; Oct. 6.
Electromagnetic switch. L. F. Pierce. 2,298,068; Oct. 6.
Electrophotography. C. F. Carlson. 2,297,691; Oct. 6.
Elevator control system. W. F. Eames. 2,298,111; Oct. 6.
Elevator control system. D. Santini. 2,298,174; Oct. 6.
Elevator safety device. L. R. Rissler. 2,298,167; Oct. 6.
Engine: *See*—
Internal combustion engine
Ester. J. C. Woodhouse and K. E. Walker. 2,298,186; Oct. 6.
Ethers of substituted phenylphenols. F. L. Taylor and C. L. Moyle. 2,297,728; Oct. 6.
Expansion valve. A. B. Newton. 2,298,150; Oct. 6.
Explosive, Liquid. N. M. Hopkins. 2,298,255; Oct. 6.
Fabric: *See*—
Stiffened fabric.
Fabric centering device. A. Andreotto. 2,297,858; Oct. 6.
Fabrics and making the same, Ravel stop for knitted. O. F. Smetana. 2,297,805; Oct. 6.
Fabrics, Making pile. F. M. Kaufman. 2,297,708; Oct. 6.
Fastener: *See*—
Box fastener.
Fastener construction, Slide. G. G. Rona. 2,298,171; Oct. 6.
Fastener device. W. M. Hanneman. 2,297,957; Oct. 6.
Faucet. J. N. Anagno. 2,297,857; Oct. 6.
Feed for rotary well drills, Automatic. P. McShane. 2,298,222; Oct. 6.
Feldspar from quartz, Separation of. R. G. O'Meara. 2,297,689; Oct. 6.
Fibers, Preparing artificial. O. Huppert. 2,298,127; Oct. 6.
File, Card. J. M. Hurley. 2,298,128; Oct. 6.
File, Vertical. N. Wilcox. 2,298,244; Oct. 6.
Filter element and making the same. C. W. Truxell, Jr., R. P. Koehring, and J. M. Hildabolt. 2,297,817; Oct. 6.
Fingernail bonnet. F. Sommers. 2,297,807; Oct. 6.
Fire alarm. C. K. Huthsing. 2,297,891; Oct. 6.

Fire control mechanism. B. P. Joyce. 2,298,013; Oct. 6.
Fire preventive system. L. M. Lewis. 2,298,061; Oct. 6.
Fire protective system. L. M. Lewis. 2,298,062; Oct. 6.
Firearm, Autoloading. A. A. Dicke. 2,297,693; Oct. 6.
Fireplace, Air-heating. E. T. Kelley and G. F. Fenton. 2,297,776; Oct. 6.
Fitting, Drain. R. J. Stewart and H. H. Franz. 2,297,810; Oct. 6.
Fitting for conduit construction. R. E. Peck. 2,297,979; Oct. 6.
Flaring tool. V. L. Graf and R. C. Addy. 2,297,885; Oct. 6.
Flashlight. A. J. Desimone. 2,298,042; Oct. 6.
Flatiron stand. F. E. Wolcott. 2,297,849; Oct. 6.
Flexible control. R. H. Phelps. 2,297,913; Oct. 6.
Fluid control valve. W. A. Ray. 2,297,718; Oct. 6.
Fluid system. E. C. Huge. 2,297,704; Oct. 6.
Flywheel control, Fluid. A. C. Chambers. 2,297,692; Oct. 6.
Foil applying apparatus for bottles. C. Schmutzer and K. Manrodt. 2,297,720; Oct. 6.
Foil, Fluid. D. R. Davis. 2,298,040; Oct. 6.
Form for concrete and locking means therefor, Structural. W. H. Krueger. 2,297,899; Oct. 6.
Frame: *See*—
Screen frame. Side frame.
Frame for luggage cases, Garment carrying. A. Levine. 2,297,903; Oct. 6.
Furnace: *See*—
Continuous heating furnace. Industrial heat treating furnace.
Furnace. H. G. Elder and J. F. Mowat. 2,297,696; Oct. 6.
Furnace. R. E. Huffschmidt. 2,297,890; Oct. 6.
Garment. L. M. Reinke. 2,298,008; Oct. 6.
Garment protector. G. Aranow. 2,297,860; Oct. 6.
Garter waist. T. G. Potter and G. S. Flaten. 2,298,245; Oct. 6.
Gas burner. P. S. Harper. 2,297,762; Oct. 6.
Gas burner. J. G. Ames. 2,297,856; Oct. 6.
Gas burner lighter, Automatic. L. F. Schmidt. 2,297,917; Oct. 6.
Gaseous hydrocarbons, Treating. W. C. Dayhuff and R. B. Bowman. 2,297,675; Oct. 6.
Gate: *See*—
Starting gate.
Gate, Starting. W. Cormier. 2,297,875; Oct. 6.
Gauge: *See*—
Pressure gauge.
Gear shift lever handle construction. D. L. Govoni. 2,297,884; Oct. 6.
Glass articles, Frosting. M. Pipkin. 2,297,981; Oct. 6.
Glow relay mounting. D. S. Gustin and C. H. Hodgkins. 2,297,886; Oct. 6.
Governor for internal combustion engines. W. L. Kissel and R. G. Krueger. 2,297,897; Oct. 6.
Grapple, Lifting. K. W. Merrylees. 2,298,145; Oct. 6.
Grate. S. S. Kwolek. 2,297,783–4; Oct. 6.
Grave box cover. W. H. Cawood. 2,297,745; Oct. 6.
Grinder aligner. E. A. Fuglie. 2,298,005; Oct. 6.
Guide. A. Giles. 2,298,050; Oct. 6.
Harvesting machine. W. G. Grimes. 2,298,121; Oct. 6.
Hay stacker. R. S. Parus. 2,298,256; Oct. 6.
Heat deflector. V. E. Robinson. 2,298,170; Oct. 6.
Heater for liquid electrolytes, Electric immersion. F. H. Driggs. 2,298,254; Oct. 6.
Heating apparatus. C. R. Schenk. 2,298,175; Oct. 6.
Helmet, Protective. J. T. Clark. 2,297,874; Oct. 6.
Hoist control mechanism. F. T. Court. 2,298,200; Oct. 6.
Hoist, Portable. F. T. Court and H. M. Stueland. 2,298,199; Oct. 6.
Hoisting apparatus. R. Payson. 2,297,912; Oct. 6.
Holder: *See*—
Key holder. Tooth brush and powder holder.
Lamp holder.
Holder and tightener for wire fences, Insulated. C. R. Sachs. 2,297,802; Oct. 6.
Holder for broiling apparatus, Steak. S. N. Bobo. 2,297,825; Oct. 6.
Holder for cigarettes or like articles. G. L. Scott. 2,297,919; Oct. 6.
Holder for pencils or the like, Magnetic. P. J. Smith. 2,297,806; Oct. 6.
Hollow structures, Forming. C. A. Johnson. 2,298,132; Oct. 6.
Honing machine. C. A. Fulmer. 2,297,953; Oct. 6.
Husking and cleaning mechanism. W. J. Coultas and N. F. Andrews. 2,298,198; Oct. 6.
Hydraulic actuator. R. A. Goepfrich. 2,298,007; Oct. 6.
Hydraulic booster system. W. H. Anderson and N. R. Stanton. 2,297,681; Oct. 6.
Hydraulic device. G. G. Morin and E. J. Carleton. 2,297,975; Oct. 6.
Hydraulic driven air pump. B. G. Carlson. 2,298,106; Oct. 6.
Hydrocarbon conversion. E. R. Kanhofer. 2,297,773–5; Oct. 6.
Hydrocarbon distillates, Sweetening. C. G. Dryer and C. Wirth III. 2,297,751; Oct. 6.
Hydrocarbon reforming. G. Egloff. 2,297,695; Oct. 6.
Ignition controlling device for internal combustion engines. M. Elkin. 2,297,676; Oct. 6.
Ignition system for internal combustion engines. E. M. Major. 2,298,219; Oct. 6.
Illuminated cabinet. N. A. Miller. 2,297,907; Oct. 6.
Imidazole derivatives and making same. C. Graenacher and J. Meyer. 2,297,760; Oct. 6.
Inclinometer. W. F. Somerville and V. N. Wawers. 2,298,072; Oct. 6.
Index and progressive signal means, Visible. C. E. Atwood. 2,297,682; Oct. 6.
Indicating device for electric clocks. M. Menkin. 2,297,838; Oct. 6.
Indicator: *See*—
Price tag indicator. Rate of climb indicator.
Indicator for rotary drilling, Weight. E. H. Lamberger and B. F. Langer. 2,298,216; Oct. 6.
Industrial heat treating furnace. C. E. Peck. 2,297,798; Oct. 6.
Ink receptivity of metallic surfaces, Increasing the. L. G. Wise. 2,297,929; Oct. 6.
Insertible joint. H. J. Luff. 2,297,966; Oct. 6.
Instrument socket, Detachable. E. G. Johansson. 2,297,833; Oct. 6.
Insulator, High-tension. J. R. Nelis. 2,297,713; Oct. 6.
Internal combustion engine. N. J. Barnes. 2,297,823; Oct. 6.
Internal combustion engines, System for charging and cooling. A. H. Neuland. 2,297,910; Oct. 6.
Iron: *See*—
Lightweight electric iron.
Ironing table. H. B. Rich. 2,298,165; Oct. 6.
Joint: *See*—
Insertible joint. Tool joint.
Juicer, Fruit and vegetable. C. A. Fredrickson. 2,297,880; Oct. 6.
Key and permutation lock, Combination. O. V. Lalonde. 2,297,711; Oct. 6.
Key holder. F. A. Ballou. 2,298,248; Oct. 6.
Key removing tool. J. C. Hoover, Jr. 2,297,765; Oct. 6.
Ladder platform, Adjustable. J. J. Glover. 2,297,883; Oct. 6.
Lamp: *See*—
Darkroom safelight lamp. Electric discharge lamp.
Lamp holder. J. F. Beal. 2,297,738; Oct. 6.
Lamp structure. J. A. Korengold. 2,297,781; Oct. 6.
Lasting machine. A. Eppler, Jr., and E. L. Butler. 2,297,607; Oct. 6.
Lead base coating alloy. A. A. Smith, Jr., and P. A. Beck. 2,298,237; Oct. 6.
Lift, Power. D. K. McGehee. 2,297,788; Oct. 6.
Light-polarizing device. E. H. Land. 2,298,058; Oct. 6.
Light source. J. R. Stirnkorb. 2,298,239; Oct. 6.
Lighting device for runway marker lights, Auxiliary. G. F. Mudgett. 2,298,224; Oct. 6.
Lightweight electric iron. J. K. Ely. 2,298,113; Oct. 6.
Ligno-cellulosic materials, Plasticizing. W. K. Loughborough. 2,298,017; Oct. 6.
Limb, Artificial. S. R. Anderson. 2,298,025; Oct. 6.
Liquid hydrocarbons, Extraction and treatment of volatile. E. J. Hudson. 2,297,832; Oct. 6.
Liquid, Partial freezing out of. E. D. Lindblom. 2,297,786; Oct. 6.
Load transporting, slewing, and tiering device. C. Cochran. 2,298,196; Oct. 6.
Lock: *See*—
Key and permutation lock.
Locking device for pistons and the like, Mechanical. R. L. Levy. 2,297,902; Oct. 6.
Locking device, Nut. T. Johnsen. 2,298,014; Oct. 6.
Loose-leaf construction. V. Havel. 2,297,958; Oct. 6.
Low-bed vehicle, Adjustable. L. C. Swim. 2,297,992; Oct. 6.
Lubrication and of treating gears, Method of. G. L. Neely, B. B. Farrington, and V. N. Borsoff. 2,297,909; Oct. 6.
Machine for attaching articles. M. McCann. 2,298,246; Oct. 6.
Machine for substituting cores for the cores in yarn packages. T. A. Susen. 2,298,183; Oct. 6.
Magazine for fastener applying instruments. G. H. Harred. 2,298,123; Oct. 6.
Magnet material and production thereof, Permanent. E. A. Nesbitt. 2,298,225; Oct. 6.
Magnetic separator. R. G. Widdows. 2,298,243; Oct. 6.
Marine artificial horizon. G. P. Hadjilias. 2,298,010; Oct. 6.
Marine flag pole light and socket. P. Sauer. 2,297,916; Oct. 6.
Masks, Making rubber nasal. C. L. Beal. 2,298,101; Oct. 6.
Massaging device. O. L. Phillips. 2,298,157; Oct. 6.
Masses similar to factice and linoxyn, Plastic. W. Wolff. 2,298,078; Oct. 6.
Material reducing means. J. F. Siegfried. 2,297,804; Oct. 6.
Measuring device, Differential pressure. C. L. Robinson. 2,298,168; Oct. 6.
Measuring stick, Oil-level. J. A. Woolery. 2,297,850; Oct. 6.
Meats, Preparation of fresh. K. G., Sr., K. G., Jr., and E. A. Plitt. 2,298,159; Oct. 6.
Mechanical movement. J. F. Joy. 2,297,707; Oct. 6.
Mercury conserving switch. J. H. Staley. 2,298,178; Oct. 6.
Mercury switch. C. W. Trautman and W. E. Schirmer. 2,297,924; Oct. 6.
Mineral oil gels. W. I. Patnode. 2,298,066; Oct. 6.
Mirror support. W. A. Miller. 2,297,790; Oct. 6.

Mixing machine. E. G. Berg and M. Ovestrud. 2,297,867; Oct. 6.
Mixing plant, Portable. H. C. Pollitz. 2,298,160; Oct. 6.
Modulation. W. van B. Roberts. 2,298,099; Oct. 6.
Mold: *See*—
Battery cover mold.
Mold for footwear, Resoling and reheeling. J. W. Pinkerton and H. Knecht. 2,298,227; Oct. 6.
Mold structure. G. R. Kelm. 2,298,057; Oct. 6.
Molding. W. J. Hall and O. J. Crowe. 2,297,887; Oct. 6.
Molding apparatus. F. C. George. 2,298,006; Oct. 6.
Molding machine. R. W. Dinzl. 2,298,043–4; Oct. 6.
Monitoring and control system. A. B. Du Mont and T. T. Goldsmith, Jr. 2,297,752; Oct. 6.
Motion mechanism, Periodic. C. C. Kinker. 2,298,215; Oct. 6.
Motor: *See*—
Adjustable end play motor.
Armature electromagnetic motor.
Capacitor motor.
Electric motor.
Pneumatic motor.
Spring motor.
Motor construction. M. B. Sawyer. 2,297,988; Oct. 6.
Motor control system. D. C. Wright. 2,298,188; Oct. 6.
Motor starting scheme, Synchronous. L. A. Kilgore. 2,298,133; Oct. 6.
Motor vehicle. R. C. Howell. 2,298,054; Oct. 6.
Mounting: *See*—
Glow relay mounting.
Wall board mounting.
Mounting for ditch cleaners, Lister. E. V. Briscoe. 2,297,938; Oct. 6.
Mounting machine, Filament. J. Flaws, Jr. 2,297,950; Oct. 6.
Nitriles, Production of. A. E. Rainsford and J. H. Pearson. 2,298,231; Oct. 6.
Nitriles, Production of. E. Stocker. 2,297,811; Oct. 6.
Noise limiting circuit. G. W. Fyler. 2,298,084; Oct. 6.
Oil-bearing horizon, Detecting the penetration. J. G. Campbell. 2,297,939; Oct. 6.
Oil for Diesel engines, Lubricating. P. S. Clarke and M. T. Flaxman. 2,298,080; Oct. 6.
Oil, Treatment of hydrocarbon. W. L. Benedict. 2,297,866; Oct. 6.
Oil valve cleaner. M. D. Huston. 2,298,212; Oct. 6.
Opener, Can. J. A. Fluellen. 2,298,206; Oct. 6.
Opener, Envelope. P. Vallarelli. 2,298,024; Oct. 6.
Optical compensating device. F. Ehrenhaft. 2,298,045; Oct. 6.
Optical device. A. M. Shoemaker. 2,297,844; Oct. 6.
Optical objective. A. Warmisham. 2,298,090; Oct. 6.
Ores, Process and apparatus for reducing. W. G. Clark. 2,297,747; Oct. 6.
Oscillator, Standard frequency. T. A. Read. 2,297,800; Oct. 6.
Oven, Baking. G. R. W. Matheson. 2,297,969; Oct. 6.
Package, Dispensing. F. W. Nitardy. 2,297,690; Oct. 6.
Pan, Pie. M. M. Pino. 2,297,914; Oct. 6.
Paper feeding device. F. M. Carroll and D. J. Oldenboom. 2,297,743; Oct. 6.
Paper, Testing greaseproof. M. G. Schmitt and M. L. Downs. 2,297,990; Oct. 6.
Paper, Treating bibulous. R. D. Freeman. 2,297,698; Oct. 6.
Pedestal, Cushioning. H. M. Radke. 2,298,230; Oct. 6.
Pen. W. F. Mittendorf and M. J. Stumbock. 2,298,261; Oct. 6.
Phase modulation. M. G. Crosby. 2,298,092; Oct. 6.
Photographic color process involving the formation of azo dye images. D. W. Woodward. 2,297,732; Oct. 6.
Photographic printer mechanism. J. K. Polhemus. 2,298,097; Oct. 6.
Photographs in blue-black tones, Production of. F. Dersch and N. Heimbach. 2,298,093; Oct. 6.
Piano action. J. C. Potwin. 2,297,717; Oct. 6.
Piano with pedal control, Electric. J. H. Hammond, Jr. 2,297,829; Oct. 6.
Piezoelectric oscillator. L. F. Koerner. 2,298,085; Oct. 6.
Pillow and similarly cushioned article. R. E. Madson. 2,298,218; Oct. 6.
Pin: *See*—
Cotter pin.
Pipe bend machine. J. F. Staroba. 2,297,809; Oct. 6.
Pipe, Smoker's. J. Berardo. 2,297,937; Oct. 6.
Plate for billet mold and the like, Base. H. J. Verner. 2,298,241; Oct. 6.
Pneumatic motor. R. K. Lee. 2,297,900; Oct. 6.
Pottery ware, Method of and apparatus for manufacturing. W. J. Miller. 2,298,223; Oct. 6.
Press. C. A. Witter. 2,298,077; Oct. 6.
Pressure gauge. H. Allen. 2,297,678–9; Oct. 6.
Price tag indicator. H. F. Heileman. 2,297,888; Oct. 6.
Printing apparatus. W. Scheerer and K. Schussler. 2,297,803; Oct. 6.
Printing plate preparation. W. H. Wood. 2,297,932; Oct. 6.
Printing machine, Multicolor. A. Dressel. 2,298,094; Oct. 6.
Propagation. J. F. Lontz. 2,297,904; Oct. 6.
Propeller. E. A. F. Presser. 2,298,021; Oct. 6.
Protector: *See*—
Garment protector.
Pump: *See*—
Hydraulic driven air pump.
Puzzle. J. J. Fleming. 2,298,048; Oct. 6.
Radiator cover. P. H. Kuyper. 2,297,965; Oct. 6.
Radio antenna. H. B. Saunders. 2,298,022; Oct. 6.
Radio frequency oscillator. W. C. Tinus. 2,298,075; Oct. 6.
Radio landing control system. G. H. Wintermute and G. L. Davies. 2,297,822; Oct. 6.
Railway truck. D. S. Barrows and G. F. Couch. 2,297,863; Oct. 6.
Range, Combination. J. C. Broome. 2,298,103; Oct. 6.
Rate of climb indicator. S. Cerstvik. 2,297,873; Oct. 6.
Razor attachment. N. L. Kearney. 2,298,056; Oct. 6.
Receptacle: *See*—
Vacuum cleaner dust receptacle.
Refrigeration. G. M. Blomqvist. 2,298,029; Oct. 6.
Refrigeration. W. R. Hainsworth. 2,297,761; Oct. 6.
Refrigeration apparatus. W. B. Anderson. 2,297,859; Oct. 6.
Refrigeration system, Forced air circulation. C. A. L. Merz. 2,297,970; Oct. 6.
Refrigerator. G. C. Harbison. 2,298,052; Oct. 6.
Refrigerator. B. J. Taymans and G. M. Glazier. 2,297,814. Oct. 6.
Register, Cash. D. K. Hughes. 2,297,961; Oct. 6.
Register system, Remotely controlled. C. Smith. 2,298,238; Oct. 6.
Regulating device, Pressure. E. Nordstrom. 2,297,715; Oct. 6.
Regulator: *See*—
Speed matching regulator.
Regulator. E. A. Edwards and E. C. Hartman. 2,298,112; Oct. 6.
Regulator or control, Draft. E. A. Field, Jr. 2,297,757; Oct. 6.
Resins, Producing alkyd. R. H. Potts and J. E. McKee. 2,297,716; Oct. 6.
Resistor construction. J. H. A. Kohler. 2,297,779; Oct. 6.
Resistor, Hermetically sealed. A. L. Pugh, Jr. 2,297,780; Oct. 6.
Ring binder construction. J. Schade. 2,297,989; Oct. 6.
Rivet. H. J. Eklund. 2,298,203; Oct. 6.
Roof, Floating. G. Rivers. 2,297,985; Oct. 6.
Rotor, Air. G. W. Tidd. 2,297,815; Oct. 6.
Rubber articles, Production of transparent. P. A. Locke. 2,297,787; Oct. 6.
Safety shut-off and electroresponsive valve, Combined thermoelectric. H. F. Alfery. 2,297,854; Oct. 6.
Scale, Tobacco weighing. G. L. Rogers. 2,298,086; Oct. 6.
Screen: *See*—
Vibrating screen.
Screen. C. I. Lattig. 2,298,060; Oct. 6.
Screen frame. H. W. Thomas. 2,297,729; Oct. 6.
Screw device, Antifriction. H. S. Hoffar. 2,298,011; Oct. 6.
Scriber. G. W. Bratcher and J. W. Hanson. 2,297,664; Oct. 6.
Scrubber. C. S. Lincoln. 2,298,015; Oct. 6.
Scrubber and scrubbing ore, Rotary. C. S. Lincoln. 2,298,016; Oct. 6.
Scrubbing and polishing apparatus. J. S. Nachtman. 2,297,976; Oct. 6.
Separating mechanism, Article. E. A. Wilckens and E. M. Magill. 2,297,847; Oct. 6.
Separating mechanism for threshers. W. R. Dray. 2,297,998; Oct. 6.
Separator: *See*—
Magnetic separator.
Steam separator.
Sheet-glass forming apparatus. G. W. Batchell. 2,297,737; Oct. 6.
Sheet material, Casein. H. Heckel. 2,297,959; Oct. 6.
Sheets, films, and plastic masses, Gelatinous. A. W. Ralston. 2,298,162; Oct. 6.
Ship propulsion system. L. A. Kilgore and B. Frisch. 2,298,134; Oct. 6.
Shoe cementing apparatus. E. L. Crandell. 2,298,038; Oct. 6.
Shoe counter. G. S. Colella. 2,298,035; Oct. 6.
Shoe manufacturing method and apparatus. E. L. Crandell. 2,298,037; Oct. 6.
Side frame. R. B. Cottrell. 2,297,748; Oct. 6.
Sifting apparatus. R. Hinkle. 2,297,700; Oct. 6.
Signal: *See*—
Direction signal.
Signaling system. R. B. Johnson. 2,297,772; Oct. 6.
Signaling system and control therefor. S. F. Arbuckle, G. H. Coulter, and C. E. Godley. 2,298,100; Oct. 6.
Signaling system for transformers. J. K. Hodnette. 2,298,126; Oct. 6.
Skate. H. E. Brannon. 2,297,870; Oct. 6.
Sleeves within a mass of moldable material, Positioning magnetically responsive. W. E. S. Strong and C. E. Parsons. 2,297,923; Oct. 6.
Slicing machine. A. A. Kottmann and H. H. Mehl. 2,297,710; Oct. 6.
Solution of vanadium from vanadium oxide mixtures. W. C. Cooper, Jr., and A. Dunbar. 2,298,091; Oct. 6.
Solvent and solvent recovery, Dewaxing. J. V. Montgomery and R. W. Henry. 2,297,839; Oct. 6.
Sound reproducing device. B. E. Mills. 2,297,972; Oct. 6.
Spark gap device. W. Estorff. 2,298,114; Oct. 6.
Speed drive, Variable. E. C. Ballman. 2,297,936; Oct. 6.
Speed matching regulator. R. A. Geiselman. 2,298,120; Oct. 6.
Splint, Adjustably supported. D. Au Coin. 2,297,861; Oct. 6.

Spoke and tread tire, Unitary. J. V. Martin. 2,298,142; Oct. 6.
Spring motor. J. K. Kahookano. 2,297,834; Oct. 6.
Sprinkler system for chimneys. E. F. Soucy. 2,297,808; Oct. 6.
Stand: *See*—
Display stand.
Flatiron stand.
Vise stand.
Steam separator. A. J. Wegmann. 2,298,242; Oct. 6.
Steel studding, Fabricated. R. B. Brunemann. 2,298,104; Oct. 6.
Stereograms, Method of and apparatus for producing. W. H. Van Benschoten. 2,297,846; Oct. 6.
Stereotype casting box. J. L. Blackley. 2,297,739; Oct. 6.
Sterilizer, Ultra violet ray liquid. H. B. Hartman. 2,298,124; Oct. 6.
Stiffened fabric. A. F. Smith. 2,298,071; Oct. 6.
Stimulant to plants, Method and apparatus for applying. R. E. Remund. 2,298,232; Oct. 6.
Stool attachment. J. O. Templeton, Jr. 2,297,845; Oct. 6.
Strata in wells and electrode apparatus therefor, Locating. G. H. Ennis. 2,297,754; Oct. 6.
Structure for motor vehicles, Foldable top. F. J. Westrope. 2,297,820; Oct. 6.
Styrene type compounds, Treatment of. F. J. Soday. 2,297,722–4; Oct. 6.
Suction cleaner. E. H. Yonkers, Jr. 2,297,933; Oct. 6.
Sugar and fudge mixture, Prepared fondant. A. L. Holven and W. R. Junk. 2,297,764; Oct. 6.
Support: *See*—
Mirror support.
Tree support.
Support for curtain cranes. I. W. Lemle. 2,298,217; Oct. 6.
Support for electric lighting fixture, Suspension. D. J. Bilier. 2,297,869; Oct. 6.
Support mechanism, Adjustable. B. Stechbart. 2,298,087; Oct. 6.
Supporting means for forming concrete floors. B. F. Friberg. 2,297,952; Oct. 6.
Surface condenser. S. Pannella. 2,298,154; Oct. 6.
Surface cutting tool. V. G. Moore. 2,297,699; Oct. 6.
Surveying, Seismic. J. O. Parr, Jr. 2,298,020; Oct. 6.
Swing bracket. P. De Bruin. 2,297,877; Oct. 6.
Switch: *See*—
Circuit selecting switch.
Electric switch.
Electromagnetic switch.
Mercury conserving switch.
Mercury switch.
Switch box. W. H. Bachmann. 2,297,862; Oct. 6.
Switching apparatus. K. A. Oplinger. 2,298,151; Oct. 6.
Switching apparatus. H. H. Rugg. 2,298,234; Oct. 6.
Swivel unit. N. R. Schwartz. 2,298,176; Oct. 6.
Table: *See*—
Ironing table.
Table structure, Ironing. H. B. Fay. 2,298,001; Oct. 6.
Tailgate, Power. P. Richards. 2,298,166; Oct. 6.
Take-up device, Automatic. S. and N. J. Kroll. 2,297,963; Oct. 6.
Tank construction. C. G. Pfeiffer. 2,297,840; Oct. 6.
Target device. W. A. Tratsch. 2,297,993; Oct. 6.
Telegraph signal regenerator. R. E. Mathes. 2,298,220; Oct. 6.
Telegraph system, Printing. C. J. Fitch. 2,297,758; Oct. 6.
Telephone system. E. L. Erwin. 2,298,204; Oct. 6.
Telephone system. E. L. Erwin and F. R. Lamberty. 2,298,205; Oct. 6.
Telephone substation apparatus. E. W. Gent. 2,298,207; Oct. 6.
Telescopic extensible antenna. A. T. Mace. 2,298,140; Oct. 6.
Temperature controller. F. Jehle and A. O. Roche, Jr. 2,297,706; Oct. 6.
Temperature controllers, Adjustment for. F. Jehle. 2,297,705; Oct. 6.
Temperature, Detecting and indicating. L. A. Bergeron. 2,297,868; Oct. 6.
Temperature regulation, Automatic. C. C. Levy. 2,297,836; Oct. 6.
Terazzo grinder. H. J. Pond and C. O. Larson. 2,298,228; Oct. 6.
Terminal device. R. E. Marbury. 2,298,141; Oct. 6.
Terminal for electrical conductors. C. D. Lake. 2,297,785; Oct. 6.
Testing apparatus. M. H. Loughnane. 2,297,837; Oct. 6.
Testing machine, Brinell hardness. H. C. Knerr and A. King. 2,297,778; Oct. 6.
Textile printing process. C. F. Miller. 2,298,147; Oct. 6.
Textiles water repellent, Rendering. E. Waltmann and E. Wolf. 2,297,731; Oct. 6.
Thermistor circuit. J. H. Bollman. 2,298,192; Oct. 6.
Thermometer. H. Neuwirth. 2,297,792; Oct. 6.
Thermostat. E. K. Clark and P. R. Lee. 2,298,195; Oct. 6.
Thermostat. S. Crum. 2,298,110; Oct. 6.
Thermostat, Motor. P. R. Lee. 2,298,137; Oct. 6.
Timing device for conveyers. N. W. Lyon. 2,297,968; Oct. 6.
Tire casing spreader. T. Gorzelancyk. 2,297,954; Oct. 6.
Tire, Nonmetallic. A. C. Bowers and C. M. Du Puy. 2,298,033; Oct. 6.
Titanium solution production. L. G. Bousquet and M. J. Brooks. 2,298,032; Oct. 6.
Tobacco product. R. L. Swain. 2,298,088; Oct. 6.
Toilet, Ventilated. H. Baither. 2,297,935; Oct. 6.
Tool: *See*—
Alloy and cutting tool.
Alloy cutting tool.
Diamond-holding tool.
Flaring tool.
Key removing tool.
Surface cutting tool.
Tool joint. R. I. Gardner. 2,298,049; Oct. 6.
Tooth brush and powder holder. R. J. Byrum. 2,297,826; Oct. 6.
Toy. I. P. Thunell. 2,298,262; Oct. 6.
Toy, Diver. P. V. Svoboda and A. I. Drosin. 2,297,727; Oct. 6.
Toy, Jumping. E. A. Fornas. 2,297,759; Oct. 6.
Traffic actuated control apparatus. J. L. Barker. 2,297,683; Oct. 6.
Transcribing apparatus. A. W. Mills and E. J. Rabenda. 2,297,789; Oct. 6.
Transfer mechanism. J. E. Turnock and G. D. Noble. 2,297,730; Oct. 6.
Transformer signaling and tripping. H. V. Putman, A. M. Lockie, J. K. Hodnette, and M. G. Leonard. 2,298,229; Oct. 6.
Transmission operating means. H. E. Hruska. 2,298,012; Oct. 6.
Transmitter, Frequency modulated. G. L. Usselman. 2,297,926; Oct. 6.
Transmitter, Modulated high frequency. E. L. C. White. 2,297,931; Oct. 6.
Trap for plumbing fixtures, Baffled resealing. H. J. Luff. 2,297,967; Oct. 6.
Tray, Ash. C. M. Mersbach. 2,298,146; Oct. 6.
Tree decoration, Christmas. N. Veenboer. 2,298,089; Oct. 6.
Tree support. G. H. Reading. 2,298,069; Oct. 6.
Trinitrotoluene of high purity, Manufacture of. J. A. Wyler and R. N. Boyd. 2,297,733; Oct. 6.
Tripod particularly applicable to photographic cameras. V. E. Whitman. 2,297,927; Oct. 6.
Trolley frog control system. C. C. Whittaker. 2,298,185; Oct. 6.
Truck. R. B. Cottrell. 2,297,749; Oct. 6.
Tube oscillator for television, Blocking. R. L. Campbell. 2,297,742; Oct. 6.
Tubes, Making finned. J. W. Brown, Jr. 2,298,250; Oct. 6.
Tuning of electrical circuits, Stepwise. E. L. Hoffmann and D. M. Fetterman. 2,297,889; Oct. 6.
Turbine, Heating steam. E. A. Zetterquist. 2,297,853; Oct. 6.
Vacuum cleaner dust receptacle, Emptying. P. B. Levengood. 2,297,835; Oct. 6.
Valve: *See*—
Cock or valve.
Compressor air valve.
Expansion valve.
Fluid control valve.
Safety shut-off and electroresponsive valve.
Valve. E. J. Dillman and W. E. Cowley. 2,298,253; Oct. 6.
Valve device. E. Oetiker. 2,297,797; Oct. 6.
Valve for compressors, Step. L. L. Collins. 2,297,942; Oct. 6.
Valve mechanism. A. P. Ricard. 2,298,233; Oct. 6.
Valve spring assembly. A. T. Emery. 2,297,753; Oct. 6.
Vapor electric device. J. H. Cox. 2,298,109; Oct. 6.
Vegetable proteins, Preparing. J. C. Brier and G. W. Mulder. 2,297,685; Oct. 6.
Vehicle: *See*—
Low-bed vehicle.
Motor vehicle.
Venetian blind. W. C. Wolfe. 2,297,996; Oct. 6.
Vernier mechanism. F. M. Carroll. 2,297,744; Oct. 6.
Vibrating screen. G. A., G., and C. Overstrom. 2,298,153; Oct. 6.
Vibrating screen. H. L. Strube. 2,298,182; Oct. 6.
Vibrator. V. J. Davis. 2,298,252; Oct. 6.
Viewing device. G. W. Pifer. 2,297,799; Oct. 6.
Vise stand, Folding. R. I. Perkins. 2,297,980; Oct. 6.
Voltage-regulating equipment for precipitators or the like. M. J. Brown. 2,297,740; Oct. 6.
Voting machine. R. F. Shoup. 2,298,070; Oct. 6.
Wall board mounting. H. H. Burson. 2,298,251; Oct. 6.
Washing machine. G. W. Dunham. 2,297,694–5–6; Oct. 6.
Welding, Rail. G. L. Jones. 2,297,893; Oct. 6.
Welding timer, Ignitron. A. H. Toepfer. 2,298,240; Oct. 6.
Welding timer, Seam. F. H. Gulliksen. 2,298,210; Oct. 6.
Wells, Treatment of. C. R. Irons. 2,298,129; Oct. 6.
Wheel hub for velocipedes. E. E. Hood. 2,297,960; Oct. 6.
Wheel suspension, Individual. J. W. Leighton. 2,297,901; Oct. 6.
Window, Casement. P. H. Kuyper. 2,297,964; Oct. 6.
Wiper mechanism, Windshield. I. E. Coffey. 2,298,197; Oct. 6.
Wool, Scouring. B. W. Rowland and D. Fronmuller. 2,297,986; Oct. 6.
Work manipulating and weighing device. K. P. Kohler. 2,297,898; Oct. 6.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 6, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 49: 2,298,123
2— 3: 2,297,874
21: 2,297,807
41: 2,297,955
2,298,245
93: 2,298,098
3— 2: 2,298,025
4— 213: 2,297,935
5— 11: 2,297,963
337: 2,298,218
8— 36: 2,297,701
2,297,703
47: 2,297,702
65: 2,298,147
120: 2,297,731
139: 2,297,986
10— 20: 2,297,796
12— 14: 2,297,697
33: 2,298,037
38: 2,298,038
15— 56: 2,297,835
77: 2,297,976
104.30: 2,297,755
255: 2,297,900
2,298,197
18— 16: 2,297,741
2,298,043
2,298,044
34: 2,298,227
42: 2,298,057
47.5: 2,297,787
54: 2,297,746
2,298,127
58: 2,298,101
20— 1: 2,298,194
22— 2: 2,297,739
65.1: 2,297,973
139: 2,298,241
23— 24: 2,298,091
87: 2,298,032
24— 10: 2,298,247
68: 2,298,115
207: 2,298,171
25— 24: 2,298,223
41: 2,298,006
2,298,074
131: 2,297,899
131.5: 2,297,952
154: 2,297,923
27— 30: 2,297,745
28— 1: 2,297,881
29— 87.1: 2,298,183
30— 22: 2,298,206
41: 2,298,056
43: 2,297,915
133: 2,297,735
164: 2,297,855
294: 2,298,024
32: 2,297,684
73: 2,298,010
126.7: 2,297,850
154: 2,297,999
2,298,000
215: 2,298,072
34— 10: 2,297,726
90: 2,298,170
36— 68: 2,298,035
37— 62: 2,297,756
98: 2,297,938
38— 93: 2,298,113
117: 2,298,165
129: 2,298,002
137: 2,298,001
39— 42: 2,297,875
40— 16: 2,297,888
41— 10: 2,298,152
41.5: 2,297,929
42: 2,297,981
42— 3: 2,297,693
43— 56: 2,297,843
46— 17: 2,297,712
92: 2,297,727
101: 2,298,262
129: 2,297,759
47— 1: 2,298,232
43: 2,298,069
60: Pl.Pt.547
61: Pl.Pt.546
49— 17: 2,297,737
51— 34: 2,297,953
100: 2,297,827
108: 2,298,067
180: 2,298,228
241: 2,298,005
52— 1: 2,298,255
53— 5: 2,297,825
6: 2,297,914
56— 26: 2,298,135
312: 2,298,121
58— 26: 2,297,838
60— 54: 2,298,105
54.5: 2,298,051
54.6: 2,298,007
2,298,008
62— 4: 2,297,908
2,298,164
5: 2,297,761
8: 2,298,150
17: 2,298,193
89: 2,297,859
2,298,052
119.5: 2,298,029
124: 2,297,786
140: 2,297,928
141: 2,297,814
176: 2,297,970
66— 172: 2,297,805
67— 29: 2,298,107
68— 12: 2,297,694
2,298,093
2,298,096
70— 285: 2,297,711
459: 2,298,248
71— 2: 2,297,904
72— 39: 2,297,920
46: 2,298,251
71: 2,298,102
77: 2,298,184
115: 2,298,104
73— 51: 2,297,990
2,298,065
2,298,076
110: 2,297,678
2,297,679
2,298,168
179: 2,297,873
342: 2,297,868
345: 2,297,725
378: 2,297,792
74— 1: 2,297,876
51: 2,297,707
84: 2,298,215
230.17: 2,297,936
302: 2,297,744
335: 2,298,012
459: 2,298,011
472: 2,297,676
484: 2,297,884
504: 2,297,715
75— 10: 2,297,747
65: 2,298,055
88: 2,298,139
166: 2,298,237
76— 107: 2,298,041
78— 9: 2,298,077
80— 32: 2,297,812
44: 2,297,898
81— 5.1: 2,297,765
81— 15.3: 2,297,954
82— 38: 2,298,082
83— 9: 2,297,804
52: 2,298,027
53: 2,297,782
84— 1.27: 2,297,829
240: 2,297,717
471: 2,298,081
85— 8.5: 2,297,770
37: 2,298,203
88— 1: 2,298,063
16.8: 2,298,045
24: 2,297,767
2,297,844
29: 2,297,846
57: 2,298,090
65: 2,298,058
2,298,059
89— 27: 2,298,013
90— 11: 2,298,018
24: 2,297,699
93—36.01: 2,297,946
81: 2,298,004
2,298,173
94— 45: 2,297,978
95— 2: 2,297,732
5: 2,297,691
6: 2,298,093
7: 2,297,932
73: 2,298,097
86: 2,298,144
90: 2,297,906
97— 75: 2,297,788
237: 2,298,161
99— 95: 2,298,187
107: 2,298,159
134: 2,297,764
187: 2,297,962
101— 93: 2,297,803
96: 2,297,961
103— 262: 2,297,681
105—197.1: 2,297,749
206: 2,297,748
224: 2,297,863
106— 136: 2,298,162
144: 2,297,959
110— 7: 2,297,890
112— 110: 2,298,246
113— 1: 2,297,948
42: 2,298,132
116— 106: 2,297,891
117— 33: 2,298,079
103: 2,297,698
120— 108: 2,297,806
109: 2,298,261
121— 38: 2,297,922
40: 2,297,902
41: 2,297,975
2,298,112
122— 488: 2,297,704
123— 103: 2,297,897
119: 2,297,918
143: 2,297,823
148: 2,298,219
170: 2,298,214
173: 2,298,213
188: 2,297,753
124— 45: 2,297,947
125— 39: 2,297,750
126— 39: 2,298,103
105: 2,298,028
121: 2,297,776
152: 2,297,783
176: 2,297,784
340: 2,297,969
128— 2.05: 2,297,905
2.1: 2,298,125
11: 2,297,799
62: 2,298,157
128— 84: 2,297,861
373: 2,298,046
129— 16.7: 2,297,682
2,298,244
24: 2,297,989
41: 2,297,988
43: 2,298,128
130— 5: 2,298,198
25: 2,297,998
131— 17: 2,298,088
211: 2,297,937
235: 2,297,919
132— 11: 2,297,714
79: 2,297,984
84: 2,297,826
136— 89: 2,298,030
137— 34: 2,297,830
93: 2,298,233
139: 2,297,718
153: 2,297,872
2,298,253
138— 39: 2,297,979
139— 21: 2,297,708
420: 2,298,071
143— 47: 2,297,882
144— 309: 2,298,017
146— 76: 2,297,880
88: 2,297,710
148— 2: 2,298,225
4: 2,297,878
2,297,983
6.5: 2,297,909
13.1: 2,297,766
31: 2,297,686
2,297,687
151— 6: 2,297,831
23: 2,298,014
35: 2,297,957
152— 7: 2,298,142
209: 2,298,033
153— 48: 2,297,809
64: 2,297,895
79: 2,297,885
154— 49: 2,298,226
155— 52: 2,298,239
81: 2,297,845
158— 7: 2,297,856
28: 2,297,821
115: 2,297,762
117.1: 2,297,854
160— 23: 2,297,964
25: 2,297,965
175: 2,297,996
238: 2,297,729
164— 68: 2,298,221
166— 21: 2,297,832
22: 2,298,129
167— 65: 2,298,122
169— 2: 2,297,808
16: 2,298,061
17: 2,298,062
170—135.6: 2,297,815
166: 2,298,021
171— 119: 2,297,740
2,297,841
172— 36: 2,298,155
120: 2,297,988
126: 2,297,930
2,298,189
152: 2,298,111
2,298,188
239: 2,298,180
240: 2,297,719
246: 2,298,026
279: 2,298,131
281: 2,298,130
289: 2,298,133
293: 2,298,120
173— 269: 2,297,785
173— 328: 2,297,738
2,297,828
330: 2,298,172
361: 2,297,916
174— 31: 2,298,141
41: 2,297,824
143: 2,298,118
2,298,211
161: 2,297,802
186: 2,297,713
175— 30: 2,298,114
182: 2,297,754
183: 2,297,837
2,297,879
2,298,031
222: 2,297,833
294: 2,298,229
306: 2,298,236
320: 2,298,073
363: 2,298,109
365: 2,298,003
375: 2,297,991
176— 4: 2,297,950
122: 2,297,940
2,298,239
124: 2,297,886
177— 311: 2,298,126
327: 2,298,148
337: 2,297,683
2,298,100
352: 2,297,816
2,297,822
2,298,020
178— 27: 2,297,794
44: Re.22,195
2,298,177
53.1: 2,297,758
2,297,795
70: 2,298,220
179— 1: Re.22,198
17: 2,298,204
18: 2,298,205
78: 2,298,190
103: 2,298,207
116: 2,297,972
171: 2,298,192
171.5: 2,297,752
2,297,926
2,298,092
2,298,099
180— 74: 2,298,054
182— 7: 2,297,967
183— 4: 2,297,763
7: 2,297,933
15: 2,297,934
92: 2,298,242
185— 39: 2,297,834
187— 20: 2,298,174
90: 2,298,167
189— 88: 2,297,887
190— 41: 2,297,903
191— 38: 2,298,185
192— 3: 2,297,692
82: 2,297,997
99: 2,297,913
142: 2,298,070
194— 100: 2,297,971
2,298,009
196— 7: 2,297,675
10: Re.22,197
29: 2,297,751
32: 2,297,866
49: 2,297,773
2,297,774
2,297,775
52: Re.22,196
2,297,695
197— 5: 2,297,793
20: 2,297,789
197— 133: 2,298,050
198— 21: 2,297,968
189: 2,297,813
225: 2,297,730
200— 5: 2,297,819
2,297,917
20: 2,298,108
33: 2,298,208
46: 2,297,772
50: 2,298,234
83: 2,297,706
87: 2,298,068
89: 2,298,143
106: 2,298,053
122: 2,298,195
125: 2,297,848
138: 2,298,137
140: 2,298,151
148: 2,297,818
152: 2,297,690
2,297,924
2,298,178
201— 67: 2,297,779
2,297,780
202— 39: 2,297,839
52: 2,298,064
206— 44: 2,297,987
2,298,136
209— 6: 2,298,015
166: 2,297,689
214: 2,298,243
240: 2,297,700
243: 2,298,182
255: 2,298,060
2,298,153
452: 2,298,016
210— 16: Re.22,194
205: 2,297,817
211— 78: 2,298,047
212— 38: 2,298,199
214— 8.5: 2,297,847
75: 2,298,166
112: 2,298,196
134: 2,298,200
140: 2,298,256
219— 4: 2,297,893
2,298,240
2,298,249
10: 2,298,250
34: 2,298,178
41: 2,298,254
46: 2,298,181
220— 3.6: 2,297,862
26: 2,297,985
221— 23: 2,297,994
60: 2,297,690
61: 2,297,945
67: 2,297,840
95: Re.22,193
223— 98: 2,297,860
224— 45: 2,298,191
225— 5: 2,297,857
226— 85: 2,297,720
129: 2,298,119
229— 5.7: 2,297,842
15: 2,297,982
23: 2,297,941
32: 2,298,146
95: 2,297,910
171: 2,298,106
234— 1.5: 2,298,235
235— 59: 2,298,116
60: 2,298,201
2,298,202
61: 2,298,263
61.7: 2,297,743
236— 45: 2,297,757
78: 2,297,836
91: 2,297,705

237— 2: 2,298,163
240— 1.2: 2,298,224
2: 2,297,851
4: 2,297,907
10: 2,298,089
10.66: 2,298,042
20: 2,297,974
41.15: 2,297,781
244— 35: 2,298,040
134: 2,297,951
248— 11: 2,298,087
117.2: 2,297,849
171: 2,297,927
2,297,980
265: 2,298,217
276: 2,297,790
317: 2,297,877
343: 2,297,869
250— 11: 2,297,896
17: 2,297,931
20: 2,298,083
250— 20: 2,298,084
27: 2,297,949
2,298,210
27.5: 2,297,721
33: 2,297,925
2,298,023
2,298,034
36: 2,297,742
2,297,800
2,298,075
2,298,085
40: 2,297,889
45: 2,298,124
71: 2,297,939
251— 29: 2,298,212
97: 2,298,036
145: 2,297,892
252— 39: 2,298,080
122: 2,298,019
253— 39: 2,297,852
2,297,853
254— 187: 2,297,894
187: 2,297,912
255— 4: 2,297,956
19: 2,298,222
257— 236: 2,298,154
259— 1: 2,298,252
153: 2,298,160
165: 2,298,258
175: 2,297,867
260— 14: 2,297,709
22: 2,297,716
23: 2,298,078
32: 2,298,066
78: 2,298,039
91: 2,297,722
2,297,723
2,297,724
112: 2,297,685
144: 2,297,801
212: 2,298,260
223: 2,297,734
260— 309: 2,297,760
316: 2,297,777
338: 2,297,921
404: 2,297,864
410: 2,298,186
464: 2,298,231
465: 2,297,811
521: 2,297,911
539: 2,298,138
590: 2,298,169
613: 2,297,728
645: 2,297,733
668: 2,297,769
760: 2,297,871
261— 51: 2,297,736
77: 2,297,768
262— 8: 2,297,677
263— 16: 2,298,257
40: 2,298,149
43: 2,297,696
265— 1: 2,298,216
265— 12: 2,297,778
49: 2,298,080
266— 5: 2,297,798
268— 62: 2,298,158
270— 5: 2,298,094
271— 2.3: 2,298,179
2.6: 2,297,858
273—105.2: 2,297,993
113: 2,298,048
277.1: 2,297,797
60: 2,297,942
2,297,943
2,297,944
280—11.31: 2,297,870
33.4: 2,297,992
98: 2,297,901
285— 97.3: 2,298,117
116: 2,297,966
129: 2,297,810
287— 58: 2,298,140
87: 2,298,176
290— 17: 2,298,134
292— 19: 2,297,865
218: 2,298,259
253: 2,297,771
340: 2,297,977
294— 86: 2,298,145
87: 2,298,209
296— 117: 2,297,820
297— 16: 2,298,110
300— 1: 2,298,156
301— 105: 2,297,960
302— 56: 2,297,791
304— 10: 2,297,883
308— 4: 2,298,049
58: 2,298,022
312— 56: 2,298,238
175: 2,297,995

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,297,696: 263— 43
2,297,709: 260— 14
2,297,713: 174— 186
2,297,714: 132— 11
2,297,729: 160— 238
2,297,766: 148— 13.1
2,297,815: 170—135.6
2,297,820: 296— 117
2,297,840: 221— 67
2,297,853: 253— 39
2,297,858: 271— 2.6
2,297,862: 220— 3.6
2,297,875: 39— 42
2,297,877: 248— 317
2,297,880: 146— 76
2,297,881: 28— 1
2,297,904: 71— 2
2,297,909: 148— 6.5
2,297,917: 200— 5
2,297,927: 248— 171
2,297,945: 221— 61
2,297,964: 160— 23
2,297,965: 160— 25
2,297,968: 198— 21
2,297,982: 229— 15
2,297,994: 221— 23
2,297,995: 312— 175
2,297,996: 160— 175
2,298,000: 33— 154
2,298,037: 12— 33
2,298,038: 12— 38
2,298,039: 260— 78
2,298,047: 211— 78
2,298,057: 18— 42
2,298,079: 117— 33
2,298,091: 23— 24
2,298,119: 226— 129
2,298,129: 166— 22
2,298,145: 294— 86
2,298,150: 62— 8
2,298,156: 300— 1
2,298,158: 268— 62
2,298,161: 97— 237
2,298,167: 187— 90
2,298,170: 34— 90
2,298,186: 260— 410
2,298,192: 179— 171
2,298,209: 204— 87
2,298,242: 183— 92
2,298,245: 2— 41
2,298,257: 263— 16
2,298,258: 259— 165

U. S. GOVERNMENT PRINTING OFFICE: 1942

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acnesolv Laboratories. (See Glauser, Meyer S.)
Agricola Furnace Company, Inc., Gadsden, Ala. Coal burning stoves. Serial No. 454,488; Oct. 13. Class 34.
Amberg File and Index Company, Kankakee, Ill. Desks and filing cabinets. Serial No. 455,168; Oct. 13. Class 32.
American Oil Company, Baltimore, Md. Neon signs. Serial No. 450,996; Oct. 13. Class 21.
Amoskeag-Lawrence Mills, Inc., Manchester, N. H. Piece goods. Serial No. 453,353; Oct. 13. Class 42.
Atlantis, New York, N. Y. Newspaper. Serial No. 453,886; Oct. 13. Class 38.
Balico Products Co. (See Eweson, Karl F.)
Ballinger, W. A., & Co., San Francisco, Calif. Cotton twine. Serial No. 454,903; Oct. 13. Class 7.
Briggs Bituminous Composition Company. (See Farber, John D.)
Bundles for Buddies, Inc., New York, N. Y. Gift packages containing various items, specifically cookies, candy, nuts, etc. Serial No. 453,955; Oct. 13. Class 46.
Burrell Cutlery Company, Inc., Ellicottville, N. Y. Straight edge razors. Serial No. 454,629; Oct. 13. Class 23.
Byrd, Marie A., doing business as M. Donaldson, Boston, Mass. Aprons. Serial No. 443,395; Oct. 13. Class 39.
Chemdrug Corporation, The, New York, N. Y. Liquid preparation for the treatment of diseases and affections of the eyes. Serial No. 454,884; Oct. 13. Class 6.
Chicken in the Rough. (See Osborne, Beverly.)
Clover Leaf Paint & Varnish Corporation, New York and Long Island City, N. Y. Varnishes, japans, paints, etc. Serial No. 454,415; Oct. 13. Class 16.
Commando Foods, Inc., Webster, N. Y. Canned apple sauce. Serial No. 455,293; Oct. 13. Class 46.
Cook Electric Company, Chicago, Ill. Electrical and telephone apparatus. Serial No. 454,923; Oct. 13. Class 21.
Cooper-Wilford Beryllium, Ltd., Philadelphia, Pa. Castings, forgings, sheets, etc., of beryllium aluminum alloys. Serial No. 450,089; Oct. 13. Class 14.
Corn Products Refining Company, New York, N. Y. Edible oil. Serial No. 454,417; Oct. 17. Class 46.
Corning Glass Works, Corning, N. Y. Miscellaneous electric insulator bodies to suit specialized requirements; electric lamp bulbs and sealing glass for glass-to-metal seals for electrical purposes. Serial No. 453,711; Oct. 13. Class 21.
Corning Glass Works, Corning, N. Y. Miscellaneous electric insulator bodies to suit specialized requirements; electric lamp bulbs and sealing glass for glass-to-metal seals for electrical purposes. Serial No. 453,714; Oct. 13. Class 21.
Damerel-Allison Co., doing business as Damerel-Allison Association, Covina, Calif. Fruit. Serial No. 455,068; Oct. 13. Class 46.
Des Moines Glove & Mfg. Co., Inc., Des Moines, Iowa. Gloves and mittens. Serial No. 452,822; Oct. 13. Class 39.
Donaldson, M. (See Byrd, Marie A.)
Drackett Company, The, Cincinnati, Ohio. Chemical for cleansing drains, sinks, washbowls, etc. Serial No. 454,799; Oct. 13. Class 6.
E. & C. Fur Co., Inc., New York, N. Y. Fur coats, fur muffs, and fur jackets made from rabbit skins. Serial No. 453,491; Oct. 13. Class 39.
Erlen Chemical Company, Philadelphia, Pa. Water repellent size for use in the textile and hosiery trades. Serial No. 454,713; Oct. 13. Class 6.
Eweson, Karl F., doing business as Balico Products Co., New York, N. Y. Instruments for removing comedos or blackheads from the skin. Serial No. 455,260; Oct. 13. Class 44.
Falcon Tool Co., Detroit, Mich. Metal working tools. Serial No. 454,653; Oct. 13. Class 23.
Farber, John D., doing business as Briggs Bituminous Composition Company, Philadelphia, Pa. Crude coal tar. Serial No. 452,556; Oct. 13. Class 1.
Firestone Tire & Rubber Company, The, Akron, Ohio. Hand and pocket mirrors. Serial No. 452,887; Oct. 13. Class 32.
Firmenich & Co., New York, N. Y. Soaps and shaving creams. Serial No. 454,887; Oct. 13. Class 4.
Firmenich & Co., New York, N. Y. Sachets, bath salts, lipsticks, etc. Serial No. 454,888; Oct. 13. Class 6.
General Electric Company, Schenectady, N. Y. Electric heating control apparatus specifically, reactors and control means therefor. Serial No. 448,474; Oct. 13. Class 21.
Geyelin, Morss & Frey, Philadelphia, Pa. Publication. Serial No. 454,730; Oct. 13. Class 38.
Giumarra Bros., doing business as Giumarra Bros. Fruit Company, Los Angeles, Calif. Fruits and vegetables. Serial No. 453,776; Oct. 13. Class 46.
Glauser, Meyer S., doing business as Acnesolv Laboratories, Philadelphia, Pa. Healing and antiseptic solution and ointment. Serial No. 454,304; Oct. 13. Class 6.
Glenwear, Inc., New York, N. Y. Ladies' and misses' blouses, outer skirts, slacks, etc. Serial No. 454,633; Oct. 13. Class 39.
Graphitized Alloys Corporation, New York, N. Y. Metallic alloys. Serial No. 453,598; Oct. 13. Class 14.
Gregory, David P., Richmond, Va. Game boards. Serial No. 454,873; Oct. 13. Class 22.
Henry, John, Company, The, Lansing, Mich. Blank enclosure cards, blank envelopes, blank tags, etc. Serial No. 453,839; Oct. 13. Class 37.
Hewlett Bros. Co., Salt Lake City, Utah. Preserves, jellies, syrups, etc. Serial No. 454,890; Oct. 13. Class 46.
Hopfenberg, Irving J., Providence, R. I. Wrist watch straps and necktie clasps. Serial No. 452,535; Oct. 13. Class 40.
Hudnut, Richard, New York, N. Y. Skin freshener, foundation lotion, skin cream, etc. Serial No. 451,769; Oct. 13. Class 6.
Hydropress, Incorporated, New York, N. Y. High pressure presses, hydraulic accumulators, and rolling mills. Serial No. 452,072; Oct. 13. Class 23.
Ilex Supply Company Limited, The, London, England. Hair lotions, hair tonics, hair pomades, etc. Serial No. 447,808; Oct. 13. Class 6.
International Handkerchief Mfg. Co., The, New York, N. Y. Handkerchiefs. Serial No. 454,805; Oct. 13. Class 39.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 448,673; Oct. 13. Class 39.
Kennecott Wire and Cable Company, Phillipsdale, R. I. Insulated wire. Serial No. 454,421; Oct. 13. Class 21.
Kilburn, Frank W., doing business as Premier Manufacturing Co., Boston, Mass. Mounting hinges for snapshots, clippings and miscellaneous stationery. Serial No. 454,605; Oct. 13. Class 37.
Lightfoot Schultz Co., New York, N. Y., and Hoboken, N. J. Saponaceous compounds, shaving cream, shaving sticks, etc. Serial No. 454,968; Oct. 13. Class 4.
Lloyd Manufacturing Co., Inc., Apponaug, R. I. Card clothing foundation. Serial No. 454,141; Oct. 13. Class 50.
Lutfy Brothers, New York, N. Y. Tablecloths, napkins, towels, etc. Serial No. 453,988; Oct. 13. Class 42.
Marshall Field & Company, Chicago, Ill. Toilet cases. Serial No. 455,179; Oct. 13. Class 3.
Martin, W. & J., Glasgow, Scotland. Leather. Serial No. 451,979; Oct. 13. Class 1.
McKelvy, Alfred D., Company, Minneapolis, Minn. Toilet kit containing soap. Serial No. 454,913; Oct. 13. Class 4.
Men's Hats, Inc., Baltimore, Md. Men's panama hats. Serial Nos. 453,625–6; Oct. 13. Class 39.
Mollart Engineering Company Limited, Surbiton, England. Metal and woodworking jigs and fixtures, universal joints, hydraulic pumps, etc. Serial No. 446,211; Oct. 13. Class 23.
Monterey Canning Co., Monterey, Calif. Canned fish. Serial No. 454,560; Oct. 13. Class 46.
Movietonews, Inc., New York, N. Y. Silent, sound, dialogue, and talking motion picture films. Serial No. 452,808; Oct. 13. Class 26.
Nashua Manufacturing Company, Boston, Mass. Blankets. Serial Nos. 454,451–2; Oct. 13. Class 42.
Nashua Manufacturing Company, Boston, Mass. Blankets. Serial Nos. 454,454–6; Oct. 13. Class 42.
Nashua Manufacturing Company, Boston, Mass. Blankets. Serial No. 454,458; Oct. 13. Class 42.
National Die Casting Company, Chicago, Ill. Fruit juice extractors. Serial Nos. 454,692–4; Oct. 13. Class 23.
Nion Corporation, Los Angeles, Calif. Vitamin product. Serial No. 455,185; Oct. 13. Class 6.
Nolde and Horst Company, The, Reading, Pa. Hosiery. Serial No. 454,989; Oct. 13. Class 39.
Ocean Press, The, New York, N. Y. Newspaper. Serial No. 454,667; Oct. 13. Class 38.
O-Cedar of Canada Limited, Toronto, Canada. Cleaner and polish for aluminum and aluminum alloys. Serial No. 454,479; Oct. 13. Class 4.
Oil Country Specialties Mfg. Co., The, Coffeyville, Kans., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Drilling and pumping equipment for oil wells. Serial No. 454,695; Oct. 13. Class 23.
Oil Country Specialties Mfg. Co., The, Coffeyville, Kans., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Drilling and pumping equipment for oil wells. Serial No. 454,697; Oct. 13. Class 23.

Old Ben Coal Corporation, Chicago, Ill. Coal. Serial No. 454,579; Oct. 13. Class 1.
Osborne, Beverly, Oklahoma City, Okla. Ceramic dishes. Serial No. 451,751; Oct. 13. Class 30.
Osborne, Beverly, Oklahoma City, Okla. Gas griddles, electric and gas cooking stoves. Serial No. 451,753; Oct. 13. Class 34.
Osborne, Beverly, Oklahoma City, Okla. Paper napkins and doilies. Serial No. 451,754; Oct. 13. Class 37.
Osborne, Beverly, doing business as Chicken in the Rough, Oklahoma City, Okla. Packaged lunches. Serial No. 451,755; Oct. 13. Class 46.
Parkersburg Rig & Reel Company, The. (See Oil Country Specialties Mfg. Co., The, assignor.)
Penman, The, Chicago, Ill. Games of skill and amusement. Serial No. 453,314; Oct. 13. Class 22.
Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Hydrocarbon plasticizers for rubber and synthetic rubbers. Serial No. 454,916; Oct. 13. Class 6.
Piedmont Shirt Company, Greenville, S. C. Men's water repellent jackets. Serial No. 454,918; Oct. 13. Class 39.
Plee-Zing, Inc., Chicago, Ill. Orange drink, fruit nectars, carbonated beverages, etc. Serial No. 453,215; Oct. 13. Class 45.
Plus Publishing Corporation, The, Cleveland, Ohio. Magazine. Serial No. 454,642; Oct. 13. Class 38.
Polaroid Corporation, Cambridge, Mass. Viewing devices. Serial No. 454,513; Oct. 13. Class 26.
Premier Manufacturing Co. (See Kilburn, Frank W.)
Quaker Oats Company, The, Chicago, Ill. Health biscuit. Serial No. 454,950; Oct. 13. Class 46.
Real Silk Hosiery Mills, Inc., Indianapolis, Ind. Scarfs. Serial No. 445,780; Oct. 13. Class 39.
Revere Knitting Mills, Inc., Malden, Mass. Men's and boys' sweaters. Serial No. 454,522; Oct. 13. Class 39.
Riverside & Dan River Cotton Mills, Inc., Danville, Va., and New York, N. Y. Fabrics. Serial No. 454,311; Oct. 13. Class 42.
Röhm & Haas Company, Philadelphia, Pa. Chemical compounds. Serial No. 454,857; Oct. 13. Class 6.
Royal Manufacturing Company, Allentown, Pa. Men's and boys' underwear and outer shirts. Serial No. 440,384; Oct. 13. Class 39.
Rubel, Stanley M., Chicago, Ill. Neckties. Serial No. 450,286; Oct. 13. Class 39.
Russell Products Co., Oklahoma City, Okla. Dressing for hamburgers, meats, and sandwiches. Serial No. 454,295; Oct. 13. Class 46.
Safeway Stores, Inc. of Nevada, also doing business as Table Products Co., Reno, Nev., and Oakland, Calif. Candy bars. Serial No. 455,086; Oct. 13. Class 46.
Smith, J. Howard, Port Monmouth, N. J. Fish meal used as an ingredient in feed for poultry and other domestic animals. Serial No. 455,245; Oct. 13. Class 46.
Southern Coal Company, Incorporated, Memphis, Tenn. Coal. Serial No. 454,584; Oct. 13. Class 1.
Sozol (1924) Limited, Ilkley, England. Anti-corrosive chemical compositions or compounds. Serial No. 453,740; Oct. 13. Class 6.
Special Chemicals Corporation, New York, N. Y. Mixture of chemicals. Serial No. 453,854; Oct. 13. Class 6.
Special Chemicals Corporation, New York, N. Y. Mixture of chemicals. Serial No. 453,856; Oct. 13. Class 6.
Superfinish Gauge Corporation, New York, N. Y. Device, commonly called thread gage, Device, commonly called a flat gage. Serial No. 450,294; Oct. 13. Class 26.
Table Products Co. (See Safeway Stores, Inc. of Nevada.)
Texas Company, The, New York, N. Y. Cutting oils. Serial No. 454,899; Oct. 13. Class 15.
Valhalla Company, Inc., The, Chicago, Ill. Electrolytic cells and electrolyte tanks. Serial No. 453,995; Oct. 13. Class 21.
Vanity Fair Silk Mills, Reading, Pa. Men's, women's and children's underwear and sleeping garments. Serial No. 454,974; Oct. 13. Class 39.
Victoray Corporation, Battle Creek, Mich. Blue print machines. Serial No. 453,348; Oct. 13. Class 26.
Wallace & Tiernan Products Incorporated, Belleville, N. J. Germicidal compositions. Serial No. 454,789; Oct. 13. Class 6.
Warner, William R., & Co., Inc., Wilmington, Del., and New York, N. Y. Ointment. Serial No. 454,842; Oct. 13. Class 6.
Water Reclaimer Corporation, Mobile, Ala. Water reclaimers. Serial No. 453,687; Oct. 13. Class 23.
Willys-Overland Motors, Inc., Toledo, Ohio. Electric auto burglar alarms. Serial No. 455,012; Oct. 13. Class 21.
Wilson Brothers, Chicago, Ill. Men's outer shirts. Serial No. 452,628; Oct. 13. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Allison-Bedford Company, Chicago, Ill. Food products. 398,123; Oct. 13; Serial No. 444,888; published Aug. 4, 1942. Class 46.
American Cabinet Co., The. (See Hamilton Manufacturing Company.)
American Nonseal Works, Inc., New York, N. Y., by change of name to Better Packages, Inc., Shelton, Conn. Tape-serving device. 161,737; renewed Nov. 21, 1942.
American Power Element Co., The, Downey, Calif. Power units. 398,150; Oct. 13; Serial No. 452,630; published July 7, 1942. Class 23.
Ames Baldwin Wyoming Co. (See Baldwin Tool Works, assignor.)
Arrow Distilleries, Inc., Detroit, Mich. Liqueurs. 398,127; Oct. 13; Serial No. 446,722; published Aug. 4. 1942. Class 49.
Atlas Electric Devices Co., Chicago, Ill. Apparatus for testing the fading quality of cloth. 164,518; renewed Feb. 20, 1943.
B-1 Beverage Company, St. Louis, Mo. Beverages, sirups, and extracts. 398,136; Oct. 13; Serial No. 450,299; published July 7, 1942. Class 45.
Babs Creations, Incorporated, New York, N. Y. Perfumery and cologne. 398,122; Oct. 13; Serial No. 444,852; published Aug. 4, 1942. Class 6.
Baldwin Tool Works, assignor, by mesne assignments, to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, scoops, etc. 164,609; renewed Feb. 20, 1943.
Basca Manufacturing Co. Inc., Indianapolis, Ind. Exhaust mufflers. 398,157; Oct. 13; Serial No. 452,763; published July 21, 1942. Class 23.
Bel-Mont Laboratories. (See Gross, William H.)
Bendix Aviation Corporation, South Bend, Ind. Carburetors and accessories therefor. 398,195; Oct. 13; Serial No. 453,487; published July 28, 1942. Class 23.
Better Packages, Inc. (See American Nonseal Works, Inc.)
Beverages of American Bottling Company. (See Webb, Samuel E.)
Billings & Spencer Company, The, Hartford, Conn. Chains, thumb nuts, thumb screws, etc. 398,228; Oct. 13. Class 13.
Bird & Son, Inc., East Walpole, Mass. Rubber-impregnated paper and paper-felt flexible sheet material. 398,156; Oct. 13; Serial No. 452,737; published Aug. 4, 1942. Class 50.
Blackman, M. R., & Co., Inc., Philadelphia, Pa. Chocolate flavored soda. 398,112; Oct. 13; Serial No. 436,537; published July 21, 1942. Class 45.
Booth, Sheldon M., doing business as Diamond Tool Company, Chicago, Ill. Diamond dressing tools. 398,217; Oct. 13. Class 23.
Booth, Sheldon M., doin gbusiness as Diamond Tool Company, Chicago, Ill. Diamond dressing tools. 398,222; Oct. 13. Class 23.
Borg-Warner Corporation, Chicago, Ill. Fluid pumps and particularly refrigerant compressors. 398,116; Oct. 13; Serial No. 442,441; published July 14, 1942. Class 23.
Borg-Warner Corporation, Chicago, Ill. Mechanical clutches, clutch plates, and parts thereof. 398,179; Oct. 13; Serial No. 453,261; published July 14, 1942. Class 23.
Boss Manufacturing Company, The, Kewanee, Ill., and Brooklyn, N. Y., to The Boss Manufacturing Company, Kewanee, Ill. Gloves and mittens. 164,765; renewed Feb. 27, 1943.
Bossong, Joseph C., New York, N. Y. Hosiery. 164,079; renewed Feb. 13, 1943.
Bossong, Joseph C., New York, N. Y. Hosiery. 164,247; renewed Feb. 13, 1943.
Bossong, Joseph C., doing business as J. C. Bossong & Co., to Joseph C. Bossong, New York, N. Y. Hosiery. 164,827–8; renewed Feb. 27, 1943.
Boyle, A. S., Company, The, Jersey City, N. J. Preparation for cleaning and polishing metal, porcelain, glass, etc. 398,175; Oct. 13; Serial No. 453,151; published Aug. 4, 1942. Class 4.
Brownell & Company, assignor to Brownell & Company, Inc., Moodus, Conn. Maître cord, seine twine, seaming twine, etc. 164,854; renewed Feb. 27, 1943.
Bublick, Sol, doing business as Practical Products Company, St. Paul, Minn. Machines for cleaning mechanical parts. 398,134; Oct. 13; Serial No. 448,545; published July 28, 1942. Class 23.
Buckeye Traction Ditcher Company, The, Findlay, Ohio. Trailbuilders, that is, machines for moving dirt, etc. 398,180; Oct. 13; Serial No. 453,262; published July 21, 1942. Class 23.
Buster, D. H., Chemical Company, Kansas City, Mo. Germicide and disinfectant in liquid form. 398,202; Oct. 13; Serial No. 453,609; published July 28, 1942. Class 6.

Callan, Russell, Menard, Tex. Raw wool and mohair and cattle for rodeo and breeding purposes. 398,147; Oct. 13; Serial No. 452,553; published Aug. 11, 1942. Class 1.
Caltis, George N., doing business as Mecca Coffee & Tea Co., New York, N. Y. Packaged coffee. 398,114; Oct. 13; Serial No. 437,796; published Feb. 25, 1941. Class 46.
Carborundum Company, The, Niagara Falls, N. Y. Sheet material coated with abrasive grains. 398,220; Oct. 13. Class 4.
Cellu-Service Corporation, Mineola, N. Y. Knives, forks, and spoons. 398,181; Oct. 13; Serial No. 453,268; published July 28, 1942. Class 23.
Chandler, B. B., Athens, Ga., to Valentine Laboratories, Inc., Chicago, Ill. Hair tonic. 164,496; renewed Feb. 20, 1943.
Chartre Manufacturing & Importing Co. Inc. (See Gavilla, Henriette, assignor.)
Chase-Shawmut Company, The, Newburyport, Mass. Electric fuses. 398,168; Oct. 13; Serial No. 453,076; published Aug. 4, 1942. Class 21.
Chicago Pharmacal Company, Chicago, Ill. Pharmaceutical preparations. 398,137; Oct. 13; Serial No. 450,790; published July 28, 1942. Class 6.
Christina, Vincent, & Co., Inc., New York, N. Y. Medicinal preparation. 398,140; Oct. 13; Serial No. 451,525; published July 28, 1942. Class 6.
Christina, Vincent, & Co., Inc., New York, N. Y. Liquid medicinal preparation. 398,141; Oct. 13; Serial No. 451,529; published July 28, 1942. Class 6.
Ciba Pharmaceutical Products, Inc. (See Society of Chemical Industry in Basle, assignor.)
Clarke Paper & Manufacturing Co., Rochester, N. Y., by change of name to Clark Stek-O Corporation. Flour paste. 164,851; renewed Feb. 27, 1943.
Clarke Donelson Co., Yakima, Wash. Apple and grape juice. 398,182; Oct. 13; Serial No. 453,269; published July 21, 1942. Class 45.
Crane, Hubert R., doing business as Flexible Sewer-Rod Equipment Co., Los Angeles, Calif. Pipe or other bore cleaning tool. 398,224; Oct. 13. Class 23.
Cube Steak Machine Co., Inc., Boston, Mass. Machines for dressing poultry and the like. 398,213; Oct. 13. Class 23.
Curran Corporation, The, Malden, Mass. Chemical fluid. 398,214; Oct. 13. Class 6.
Decker, Ammiel F., doing business as Decker Products Co., Pelham, N. Y. Gas economizer attachment for the mufflers and exhaust pipes of internal combustion engines. 398,165; Oct. 13. Serial No. 452,957; published July 14, 1942. Class 23.
De Laval Separator Company, The, New York, N. Y. Milking machines, teat cups, and parts and attachments therefor. 398,215; Oct. 13. Class 23.
Delson Chemical Co., Inc., The, Brooklyn, N. Y. Medicinal preparation. 158,205; renewed Aug. 29, 1942.
Dewar, John, & Sons, Limited, Perth, Scotland, and London, England. Whiskey. 163,468; renewed Jan. 16, 1943.
Diamond Tool Company. (See Booth, Sheldon M.)
Dietzgen, Eugene Co., Chicago, Ill. Drawing instruments and draftsmen's supplies. 398,120; Oct. 13; Serial No. 443,926; published Aug. 4, 1942. Class 26.
Doane Products Corporation, The, Meriden, Conn. Translucent plastic sheets and plates combined with glass plates. 398,212; Oct. 13. Class 50.
Dunhill, Alfred, of London, Inc., New York, N. Y., assignor to Alfred Dunhill Limited, London, England. Cigars, cigarettes, and smoking tobacco. 160,176–7; renewed Oct. 17, 1942.
Dunhill, Alfred, of London, Inc., New York, N. Y., assignor to Alfred Dunhill Limited, London, England. Cigars, cigarettes, and smoking tobacco. 161,935; renewed Nov. 28, 1942.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Ink. 398,143; Oct. 13; Serial No. 451,805; published Aug. 4, 1942. Class 11.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Lacquers, oil colors, transparent medium, etc. 398,144; Oct. 13; Serial No. 451,806; published Aug. 4, 1942. Class 16.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic cameras, films, developing boxes, etc. 398,154; Oct. 13; Serial No. 452,709; published Aug. 4, 1942. Class 26.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic film, plates, copyboard hoods, etc. 398,155; Oct. 13; Serial No. 452,713; published Aug. 4, 1942. Class 26.
Embalmers' Supply Company, The, Westport, Conn. Sealing liquid for use in the embalming trade. 398,151; Oct. 13; Serial No. 452,641; published Aug. 4, 1942. Class 6.
F. J. P. Company, Chicago, Ill. Sponge on make-up. 398,203; Oct. 13; Serial No. 453,616; published July 28, 1942. Class 6.
Fairmont Gas Engine & Railway Motor Car Co., Fairmont, Minn., by change of name to Fairmont Railway Motors, Incorporated. Gasoline engines and hand-car engines. 158,214; renewed Aug. 29, 1942.
Fairmont Gas Engine & Railway Motor Car Co., Fairmont, Minn., by change of name to Fairmont Railway Motors, Incorporated. Railway motor cars and pressed-steel car wheels. 160,469; renewed Oct. 24, 1942.
Fear, Fred, & Co., Brooklyn, N. Y. Paper stickers. 398,130; Oct. 13; Serial No. 447,437; published Aug. 4, 1942. Class 37.
Fellows Medical Manufacturing Company, Inc., New York, N. Y. Preparation containing vitamin B complex. 398,125; Oct. 13; Serial No. 444,993; published Aug. 4, 1942. Class 6.
Field, Alfred, & Co. Inc., New York, N. Y. Scissors, nippers, and tweezers. 164,543; renewed Feb. 20, 1943.
Fixler Brothers, Incorporated, assignor to Fixler Bros., Chicago, Ill., a co-partnership composed of Maurice Fixler and Martin Fixler. Patches of material stamped for embroidery or art needlework. 398,221; Oct. 13. Class 40.
Flexible Sewer-Rod Equipment Co. (See Crane, Hubert R.)
42 Products, Inc., Los Angeles, Calif. Shampoo, hair oil, croquignole solution, etc. 398,161; Oct. 13; Serial No. 452,826; published Aug. 4, 1942. Class 6.
Gattis Chemical Company, Nashville, Tenn. Remedy for disorders of the stomach and liver. 164,316; renewed Feb. 20, 1943.
Gavilla, Henriette, Paris, France, assignor, by mesne assignments, to Chartre Manufacturing & Importing Co. Inc., New York, N. Y. Toilet preparations. 163,068; renewed Jan. 2, 1943.
General Insecticide Company. (See Smith, Benjamin D.)
General Mills, Inc. (See Washburn-Crosby Company, assignor.)
Gibson Electric Refrigerator Corporation, Greenville, Mich. Mechanical refrigerators, refrigerator cabinets, mechanical refrigerating apparatus, etc. 398,223; Oct. 13. Class 31.
Gibson-Snow Co., Inc., Albany, to McKesson & Robbins, Incorporated, New York, N. Y., successor. Salve or ointment. 151,490; renewed Feb. 7, 1942.
Gillespie, Leonard G., York, Pa. Potato chips. 398,204; Oct. 13; Serial No. 453,621; published Aug. 4, 1942. Class 46.
Gilmore Petroleum Company, assignor to Gilmore Oil Company, Los Angeles, Calif. Lubricating oils. 164,698; renewed Feb. 27, 1943.
Gland-O-Lac Co., The, Omaha, Nebr. Preparations for the treatment of poultry, poultry houses, and incubators, etc. 398,145; Oct. 13; Serial No. 452,015; published Aug. 4, 1942. Class 6.
Gross, William H., doing business as Bel-Mont Laboratories, Philadelphia, Pa. Medicinal preparation. 164,450; renewed Feb. 20, 1943.
Gulden, Charles, Inc., New York, N. Y. Mustard. 164,923; renewed Feb. 27, 1943.
Hamilton Manufacturing Company, doing business as The American Cabinet Co., a division of Hamilton Manufacturing Company, Two Rivers, Wis., and Rahway, N. J. Dentists' and dental office furnishings, specifically operating cabinets, diagnostic cabinets, filing cabinets, etc. 398,226; Oct. 13. Class 44.
Hamilton, William I., Inc., New York, N. Y. Magazine. 398,183; Oct. 13; Serial No. 453,299; published Aug. 4, 1942. Class 38.
Hanson, W. T., Company, Schenectady, N. Y. Medicinal ointment. 398,173; Oct. 13; Serial No. 453,140; published Aug. 4, 1942. Class 6.
Harnly Weatherstrip Company, not Incorporated, Chicago, Ill. Weatherstrip. 398,216; Oct. 13. Class 12.
Heatbath Corporation, Indian Orchard, Mass. Salt compositions. 398,163; Oct. 13; Serial No. 452,903; published Aug. 4, 1942. Class 6.
Hilltop Farm Feed Company, Minneapolis, Minn. Chick feed. 398,184; Oct. 13; Serial No. 453,301; published Aug. 4, 1942. Class 46.
Horlick Laboratories, Inc., Racine, Wis. Medicinal tablets. 398,152; Oct. 13; Serial No. 452,670; published Aug. 4, 1942. Class 6.
Hyman, William, Atlantic City, N. J. Beverages. 3982,149; Oct. 13; Serial No. 452,613; published July 14, 1942. Class 45.
Impregnated Diamond Products Limited, Bath, England. Abrasive tools. 398,131; Oct. 13; Serial No. 447,567; published Aug. 4, 1942. Class 4.
Isaacs, Tula E., doing business as Dorothy Perkins Toilet Goods Company, Dallas, Tex., assignor, by mesne assignments, to Dorothy Perkins Company, St. Louis, Mo. Cream, beauty balm, hair tonic, etc. 158,465; renewed Sept. 5, 1942.
Italian Swiss Colony, San Francisco, Calif. Wines. 398,146; Oct. 13; Serial No. 452,477; published Aug. 4, 1942. Class 47.
James, J. W., & Co., East Brady, Pa., assignor to Sterling Products (Incorporated), Wheeling, W. Va. Tonics, bitters, liniments, etc. 22,567; re-renewed Feb. 28, 1943.
Jenkins, George O., Company, Bridgewater, Mass. Sheet leatherboard and fiberboard. 398,166; Oct. 13; Serial No. 452,962; published Aug. 4, 1942. Class 1.
Josephson, Emanuel M., New York, N. Y. Vitamin B complex pills. 398,218; Oct. 13. Class 6.
Kreenwich, Samuel, Jersey City, N. J., assignor to W. L. Sunshine, Brooklyn, N. Y. Candy. 163,358; renewed Jan. 9, 1943.
La Crosse Rubber Mills Co., La Crosse, Wis. Rubber boots and shoes. 159,012; renewed Sept. 19, 1942.

Lambert, Francois-Xavier, Quebec, Quebec, Canada. I'eat moss. 398,148; Oct. 13; Serial No. 452,582; published Aug. 4, 1942. Class 10.
Lamson & Sessions Company, The, Cleveland, Ohio. Wire-rope clips. 162,529; renewed Dec. 19, 1942.
Langley & Michaels Co., San Francisco, Calif., to McKesson & Robbins, Incorporated, New York, N. Y., successor. Candies. 156,574; renewed June 27, 1942.
Leffert, Lionel S., doing business as Skyway Model Aircraft Supply Company, Brooklyn, N. Y. Utility knife blades and holders therefor. 398,193; Oct. 13; Serial No. 453,458; published Aug. 4, 1942. Class 23.
Lelong, Lucien, Inc., Chicago, Ill. Lipsticks. 398,142; Oct. 13; Serial No. 451,644; published Aug. 4, 1942. Class 6.
Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. 398,194; Oct. 13; Serial No. 453,459; published Aug. 4, 1942. Class 6.
Leslie, Lee B., Grand Prairie, Tex. Insect repellent and plant stimulant. 398,190; Oct. 13; Serial No. 453,399; published Aug. 4, 1942. Class 6.
Liggett & Myers Tobacco Company, New York, N. Y. Tobacco and cigarettes. 164,301; renewed Feb. 20, 1943.
Liggett & Myers Tobacco Company, New York, N. Y. Cigarettes. 164,820; renewed Feb. 27, 1943.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 398,207; Oct. 13; Serial No. 453,718; published July 28, 1942. Class 6.
Little, A. P., Inc., Rochester, N. Y. Typewriter ribbons and carbon paper. 398,160; Oct. 13; Serial No. 452,807; published Aug. 4, 1942. Class 11.
Loeser Laboratory, Inc., now by change of name, McKesson Laboratory, Inc.; assignor to Loeser Laboratory, Inc., New York, N. Y. Thiamin hydrochloride. 398,117; Oct. 13; Serial No. 442,532; published Aug. 4, 1942. Class 6.
Mallinson, H. R., & Co. Inc., assignor to Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 158,745; renewed Sept. 12, 1942.
Mallinson, H. R., & Co., Inc., assignor to Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 159,718; renewed Oct. 3, 1942.
Mammoth Hosiery Mills, Philadelphia, Pa., to Mammoth Hosiery Mills, Trenton, N. J. Ladies' hosiery. 164,595; renewed Feb. 20, 1943.
Marchado, Eugenie, New York, N. Y. Shampoo preparation and cleansing cream. 398,178; Oct. 13; Serial No. 453,260; published July 28, 1942. Class 6.
McCloskey Varnish Company, Philadelphia, Pa. Varnishes. 158,740; renewed Sept. 12, 1942.
McKesson Laboratory, Inc. (See Loeser Laboratory, Inc.)
McKesson & Robbins, Incorporated. (See Gibson-Snow Co., Inc.)
McKesson & Robbins, Incorporated. (See Langley & Michaels Co.)
McKesson & Robbins, Inc. (See Western Wholesale Drug Co.)
McKesson & Robbins, Inc., New York, N. Y. Whiskey. 398,128; Oct. 13; Serial No. 446,741; published Aug. 4, 1942. Class 49.
McKesson & Robbins, Incorporated, New York, N. Y. Vitamin preparation. 398,206; Oct. 13; Serial No. 453,678; published Aug. 4, 1942. Class 6.
Mecca Coffee & Tea Co. (See Caltis, George N.)
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Germicidal solution. 398,185; Oct. 13; Serial No. 453,307; published July 28, 1942. Class 6.
Mission Dry Corporation, Los Angeles, Calif. Carbonated water. 398,113; Oct. 13; Serial No. 437,779; published Feb. 11, 1941. Class 45.
Morning Telegraph Company, The, New York, N. Y., assignor, by mesne assignments, to Triangle Publications, Inc., Philadelphia, Pa. Newspapers. 163,719; renewed Jan. 23, 1943.
Mulford, H. K., Company, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Syringes for medical purposes. 158,499; renewed Sept. 5, 1942.
Mulford, H. K., Company, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation used as a remedy for insomnia and restlessness. 159,448; renewed Sept. 26, 1942.
Mutual Orange Distributors, Redlands, Calif. Canned citrus fruit juice concentrate. 398,135; Oct. 13; Serial No. 449,288; published July 7, 1942. Class 45.
National Oats Company, Cedar Rapids, Iowa. Packaged oatmeal. 398,115; Oct. 13; Serial No. 438,255; published Feb. 25, 1941. Class 46.
National Refining Company, The, Cleveland, Ohio. Lubricating oil. 164,506; renewed Feb. 20, 1943.
Noesting Pin Ticket Company, Incorporated, Mount Vernon, to Noesting Pin Ticket Company, Incorporated, New York, N. Y. Paper clamps, paper clips, thumb tacks, etc. 160,606; renewed Oct. 24, 1942.
Noonan, T., & Sons Company, Boston, Mass. Toilet preparations. 159,463; renewed Sept. 26, 1942.
Ohrbach's, Inc., New York, N. Y. Cartoons. 398,174; Oct. 13; Serial No. 453,142; published Aug. 4, 1942. Class 38.
Otterburn Mill Limited, Carlisle, to Otterburn, Limited, Otterburn, England. Woven woolen cloth in the piece. 163,880; renewed Feb. 6, 1943.
Ovington's Gift Shop, Inc., New York, N. Y. Electric lamps. 398,176; Oct. 13; Serial No. 453,207; published Aug. 4, 1942. Class 21.
Ovington's Gift Shop, Inc., New York, N. Y. Playing cards and playing card cases, poker chips, games. 398,177; Oct. 13; Serial No. 453,208; published Aug. 4, 1942. Class 22.
Parke, Davis & Company, Detroit, Mich. Absorbents, alkalizers, allergens, etc. 398,164; Oct. 13; Serial No. 452,935; published July 28, 1942. Class 6.
Parke, Davis & Company, Detroit, Mich. Preparation for use in gastrointestinal disturbances. 398,169; Oct. 13; Serial No. 453,087; published July 28, 1942. Class 6.
Pendleton Woolen Mills, Washougal, Wash., to Pendleton Woolen Mills, Portland, Oreg. Bathrobes, shawls, hosiery, etc. 164,236; renewed Feb. 13, 1943.
Pennsylvania Lubricating Company, Pittsburgh, Pa., assignor to Standard Oil Company of New Jersey, Wilmington, Del. Lubricating oils and greases. 162,576; renewed Dec. 19, 1942.
Perkins, Dorothy, Toilet Goods Company. (See Isaacs, Tula E.)
Permo Products Corporation, Chicago, Ill. Anti-friction bearings. 398,133; Oct. 13; Serial No. 448,265; published July 28, 1942. Class 23.
Phillips, Ed., & Sons Company, Minneapolis, Minn. Brandy. 398,187; Oct. 13; Serial No. 453,339; published July 28, 1942. Class 49.
Piel Bros. Inc., East New York, N. Y. Beer. 398,119; Oct. 13; Serial No. 443,731; published Aug. 4, 1942. Class 48.
Pillsbury Flour Mills Company, Minneapolis, Minn. Flour. 398,158; Oct. 13; Serial No. 452,785; published Aug. 4, 1942. Class 46.
Porocel Corporation, Philadelphia, Pa. Catalyst. 398,200; Oct. 13; Serial No. 453,569; published July 28, 1942. Class 6.
Practical Products Company. (See Bublick, Sol.)
Prince Matchabelli, Inc., New York, N. Y. Perfumes, face powder, rouge, and lipstick. 398,199; Oct. 13; Serial No. 453,559; published July 28, 1942. Class 6.
Procter & Gamble Company, The, Cincinnati, Ohio. Frothing and collecting reagent comprising alkali metal linoleate and oleate for ore flotation processing. 398,170; Oct. 13; Serial No. 453,120; published July 28, 1942. Class 6.
Psaki Brothers, Philadelphia, Pa. Canned peas. 398,138; Oct. 13; Serial No. 451,321; published Aug. 4, 1942. Class 46.
Puget Sound Bulb Exchange, Inc., Sumner, Wash. Flower bulbs. 398,132; Oct. 13; Serial No. 447,711; published Jan. 6, 1942. Class 1.
Raymond Laboratories, Inc., St. Paul, Minn. Chemical solution. 398,189; Oct. 13; Serial No. 453,370; published Aug. 4, 1942. Class 6.
Remington Arms Company, Inc., Bridgeport, Conn. Cutlery, particularly butcher knives and carving sets, and parts thereof. 398,110; Oct. 13; Serial No. 432,102; published July 28, 1942. Class 23.
Richards, Joseph A., doing business as Sunset Gardens, Eugene, Oreg. Plants, trees, shrubs, vines, evergreens, vegetable and flower seeds, bulbs, etc. 398,126; Oct. 13; Serial No. 445,473; published Dec. 23, 1941. Class 1.
Richter, F. Ad., & Co. Inc., Brooklyn, N. Y. Preparations recommended for the prevention and treatment of ringworm, athlete's foot, etc. 398,208; Oct. 13; Serial No. 453,738; published July 28, 1942. Class 6.
Riker, Clarence B., New York, N. Y., assignor to The Sydney Co., Newark, N. J. Cathartic pills. 22,572; re-renewed Feb. 29, 1943.
Robinson, M. W., Co., New York, N. Y. Wire and nail cutters. 398,192; Oct. 13; Serial No. 453,446; published July 28, 1942. Class 23.
Root Manufacturing Company, The, Cleveland, Ohio. Machines and apparatus for applying insecticides to vegetation. 398,129; Oct. 13; Serial No. 446,813; published July 21, 1942. Class 23.
Sanchez Romate, Hermanos, S. A., Jerez de la Frontera, Spain. Wines and aperitif wines. 398,111; Oct. 13; Serial No. 435,412; published Aug. 4, 1942. Class 47.
San Juan Fishing & Packing Co., Seattle, Wash. Salt herring. 398,188; Oct. 13; Serial No. 453,341; published Aug. 4, 1942. Class 46.
Santiago Orange Growers Association, Orange, Calif. Fresh oranges. 164,661; renewed Feb. 27, 1943.
Schering Corporation, Bloomfield, N. J. Preparation for internal use. 398,196; Oct. 13; Serial No. 453,519; published July 28, 1942. Class 6.
Schering Corporation, Bloomfield, N. J. Medicinal estrogenic hormone preparation. 398,209; Oct. 13; Serial No. 453,760; published Aug. 4, 1942. Class 6.
Shapleigh Hardware Company, St. Louis, Mo. Pneumatic rubber tires and tubes. 160,014; renewed Oct. 10, 1942.
Sharp & Dohme, Incorporated. (See Mulford, H. K., Company, assignor.)
Signode System, Inc., assignor to Signode Steel Strapping Company, Chicago, Ill. Materials for strapping boxes or the like. 161,624; renewed Nov. 14, 1942.
Skyway Model Aircraft Supply Company. (See Leffert, Lionel S.)
Smith, Benjamin D., doing business as General Insecticide Company, Utica, N. Y. Insecticides. 398,227; Oct. 13. Class 6.

Society of Chemical Industry in Basle, Basel, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. Chemical and pharmaceutical preparation. 158,543; renewed Sept. 5, 1942.
Solvay Process Company, The, New York, N. Y. Preparations used as cleansing agents. 398,201; Oct. 13; Serial No. 453,572; published Aug. 4, 1942. Class 4.
Square D Company, Detroit, Mich. Porcelain insulating devices. 158,544; renewed Sept. 5, 1942.
Standard Oil Company (Incorporated in New Jersey), Bayonne, N. J., assignor to Standard Oil Company of New Jersey, Wilmington, Del. Lubricating oils. 162,371–80; renewed Dec. 12, 1942.
Standard Oil Company (Incorporated in New Jersey), Bayonne, N. J., assignor to Standard Oil Company of New Jersey, Wilmington, Del. Crank-case flushing oil. 162,896; renewed Dec. 26, 1942.
Standard Oil Company of New Jersey. (See Pennsylvania Lubricating Company, assignor.)
Stearns, Frederick, & Company, Detroit, Mich. Enzyme used in the brewing industry. 398,159; Oct. 13; Serial No. 452,793; published July 28, 1942. Class 48.
Stearns, Frederick, & Company, Detroit, Mich. Iron tonic. 398,171; Oct. 13; Serial No. 453,131; published July 28, 1942. Class 6.
Sterling Products (Incorporated). (See James, J. W., & Co., assignor.)
Stern, Louis, Company Incorporated, Providence, R. I. Watch bracelets and attachments to wrist-watch straps. 398,219; Oct. 13. Class 40.
Stitzel-Weller Distillery, Shively, Ky. Whiskey. 398,197; Oct. 13; Serial No. 453,523; published Aug. 4, 1942. Class 49.
Strickland Machine Company, The, Richmond, Va. Bronze bushings. 163,886; renewed Feb. 6, 1943.
Sturtevant, P. A., Co., Addison, Ill. Torque wrenches, valve and clutch spring tester, fluid clutches, etc. 398,167; Oct. 13; Serial No. 452,992; published July 21, 1942. Class 23.
Sunset Gardens. (See Richards, Joseph A.)
Sunshine, William L. (See Kreenwich, Samuel, assignor.)
Sydney Ross Co., The. (See Riker, Clarence B., assignor.)
Tastee Beverage Co., Los Angeles, Calif. Beverages, concentrated syrups and flavors. 398,139; Oct. 13; Serial No. 451,396; published July 21, 1942. Class 45.
Triangle Publications, Inc. (See Morning Telegraph Company, The, assignor.)
Truth Tool Co., to Truth Tool Company, Mankato, Minn., successor. Machinist tools. 164,890; renewed Feb. 27, 1943.
Uncle Sam Chemical Co., assignor to Uncle Sam Chemical Co. Inc., New York, N. Y. Fluids for exterminating roaches and bedbugs, and disinfectants. 158,840; renewed Sept. 12, 1942.
United States Refining Co., Cleveland, Ohio. Ready mixed paints. 398,153; Oct. 13; Serial No. 452,701; published Aug. 4, 1942. Class 16.
United States Rubber Company, New York, N. Y. Electrical conductor wires and cables. 398,124; Oct. 13; Serial No. 444,920; published Aug. 19, 1941. Class 21.
Universal Crusher Company, Cedar Rapids, Iowa. Devices for crushing, screening, and loading and handling rock and similar materials, etc. 398,118; Oct. 13; Serial No. 443,442; published Jan. 27, 1942. Class 23.
Valentine Laboratories, Inc. (See Chandler, B. B.)
Victor Safe and Lock Company, The, Cincinnati, Ohio, assignor to The Victor Safe & Equipment Co., Inc., North Tonawanda, N. Y. Safes and locks. 159,567; renewed Sept. 26, 1942.
Voter, G. H., Inc., assignor, by mesne assignments, to G. H. Voter Company, Boston, Mass. Wood-preservative. 148,747; renewed Nov. 22, 1941.
Waeldin, August, Inc., New York, N. Y. Cutlery. 398,225; Oct. 13. Class 23.
Wagner, Wiltz W., doing business as Chas. P. Wagner & Bro., New Orleans, La. Soft drinks and syrup concentrates. 398,186; Oct. 13; Serial No. 453,316; published July 21, 1942. Class 45.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods, pillow cases, and sheets. 164,852; renewed Feb. 27, 1943.
Washburn-Crosby Company, assignor to General Mills, Inc., Minneapolis, Minn. Wheat flour. 164,233; renewed Feb. 13, 1942.
Webb, Samuel E., doing business as Beverages of America Bottling Company, Philadelphia, Pa. Beverages and products for use in making same. 398,121; Oct. 13; Serial No. 444,362; published July 14, 1942. Class 45.
Welsh Manufacturing Company, Providence, R. I. Goggles and parts thereof. 398,210–11; Oct. 13; Serial Nos. 453,867–8; published Aug. 4, 1942. Class 26.
Western Cartridge Company, East Alton and Springfield, assignor to Western Cartridge Company, East Alton, Ill. Powder and ammunition. 158,858; renewed Sept. 12, 1942.
Western Wholesale Drug Co., Los Angeles, Calif., to McKesson & Robbins, Inc., New York, N. Y., successor. Maltless beverage and sirups. 154,181; renewed Apr. 4, 1942.
Westpfal, Albert, New York, N. Y. Furrier's blades. 398,191; Oct. 13; Serial No. 453,426; published Aug. 4, 1942. Class 23.
Wile, Julius, Sons & Co., Inc., New York, N. Y. Still and sparkling wines. 398,162; Oct. 13; Serial No. 452,845; published July 28, 1942. Class 47.
Williams, R. C., & Company, Inc., New York, N. Y. Beverages, quinine water, club soda, etc. 398,205; Oct. 13; Serial No. 453,650; published Aug. 4, 1942. Class 45.
Winthrop Chemical Company, Inc., New York, N. Y. Chemo-therapeutic drug. 398,172; Oct. 13; Serial No. 453,136; published July 28, 1942. Class 6.
Wisconsin Alumni Research Foundation, Madison, Wis. Anti-coagulants. 398,198; Oct. 13; Serial No. 453,526; published July 28, 1942. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Flower bulbs. Puget Sound Bulb Exchange, Inc. 398,132; Oct. 13; Serial No. 447,711; published Jan. 6, 1942.
Leatherboard and fiberboard, Sheet. George O. Jenkins Company. 398,166; Oct. 13; Serial No. 452,962; published Aug. 4, 1942.
Plants, trees, shrubs, vines, evergreens, etc. J. A. Richards. 398,126; Oct. 13; Serial No. 445,473; published Dec. 23, 1941.
Wool and mohair and cattle for rodeo and breeding purposes, Raw. R. Callan. 398,147; Oct. 13; Serial No. 452,553; published Aug. 11, 1942.

CLASS 4

Abrasive tools. Impregnated Diamond Products Limited. 398,131; Oct. 13; Serial No. 447,567; published Aug. 4, 1942.
Preparation for cleaning and polishing metal, porcelain, glass, etc. The A. S. Boyle Company. 398,175; Oct. 13; Serial No. 453,151; published Aug. 4, 1942.
Preparations used as cleansing agents. The Solvay Process Company. 398,201; Oct. 13; Serial No. 453,572; published Aug. 4, 1942.
Sheet material coated with abrasive grains. Carborundum Company. 398,220; Oct. 13.

CLASS 5

Paste, Flour. Clark Paper & Manufacturing Co. 164,851; renewed Feb. 27, 1943.

CLASS 6

Absorbents, alkalizers, allergens, etc. Parke, Davis & Company. 398,164; Oct. 13; Serial No. 452,935; published July 28, 1942.
Anti-coagulants. Wisconsin Alumni Research Foundation. 398,198; Oct. 13; Serial No. 453,526; published July 28, 1942.
Catalyst. Porocel Corporation. 398,200; Oct. 13; Serial No. 453,569; published July 28, 1942.
Cathartic pills. C. B. Riker. 22,572; re-renewed Feb. 28, 1943.
Chemical and pharmaceutical preparation. Society of Chemical Industry in Basle. 158,543; renewed Sept. 5, 1943.
Chemical fluid. Curran Corporation. 398,214; Oct. 13.
Chemical solution. Raymond Laboratories, Inc. 398,189; Oct. 13; Serial No. 453,370; published Aug. 4, 1942.
Chemo-therapeutic drug. Winthrop Chemical Company. 398,172; Oct. 13; Serial No. 453,136; published July 28, 1942.
Cream, beauty balm, hair tonic, etc. T. E. Isaacs. 158,465; renewed Sept. 5, 1942.
Fluids for exterminating roaches and bedbugs, and disinfectants. Uncle Sam Chemical Co. 158,840; renewed Sept. 12, 1942.
Frothing and collecting reagent comprising alkali metal linoleate and oleate for ore flotation processing. Procter & Gamble Company. 398,170; Oct. 13; Serial No. 453,120; published July 28, 1942.
Germicidal solution. Wm. S. Merrell Company. 398,185; Oct. 13; Serial No. 453,307; published July 28, 1942.
Germicide and disinfectant in liquid form. D. H. Buster Chemical Company. 398,202; Oct. 13; Serial No. 453,609; published July 28, 1942.
Hair tonic. B. B. Chandler. 164,496; renewed Feb. 20, 1943.
Insect repellent and plant stimulant. L. B. Leslie. 398,190; Oct. 13; Serial No. 453,399; published Aug. 4, 1942.
Insecticides. B. D. Smith. 398,227; Oct. 13.

Lipsticks. Lucien Lelong Inc. 398,142; Oct. 13; Serial No. 451,644; published Aug. 4, 1942.
Liquid for use in the embalming trade, Sealing. Embalmers' Supply Company. 398,151; Oct. 13; Serial No. 452,641; published Aug. 4, 1942.
Medicinal estrogenic hormone preparation. Schering Corporation. 398,209; Oct. 13; Serial No. 653,760; published Aug. 4, 1942.
Medicinal ointment. W. T. Hanson Company. 398,173; Oct. 13; Serial No. 453,140; published Aug. 4, 1942.
Medicinal préparation. Delson Chemical Co. 158,205; renewed Aug. 29, 1942.
Medicinal preparation, Liquid. Vincent Christina & Co. 398,140; Oct. 13; Serial No. 451,525; published July 28, 1942.
Medicinal preparation. W. H. Gross. 164,450; renewed Feb. 20, 1943.
Medicinal preparation. Eli Lilly and Company. 398,207; Oct. 13; Serial No. 453,718; published July 28, 1942.
Medicinal preparation, Liquid. Vincent Christina & Co., 398,141; Oct. 13; Serial No. 451,529; published July 28, 1942.
Medicinal tablets. Horlick Laboratories, Inc. 398,152; Oct. 13; Serial No. 452,670; published Aug. 4, 1942.
Perfumery and cologne. Babs Creations, Incorporated. 398,122; Oct. 13; Serial No. 444,852; published Aug. 4, 1942.
Perfumes, face powder, rouge, and lipstick. Prince Matchabelli, Inc. 398,199; Oct. 13; Serial No. 453,559; published July 28, 1942.
Perfumes, toilet waters, and cosmetic creams. Lentheric, Incorporated. 398,194; Oct. 13; Serial No. 453,459; published Aug. 4, 1942.
Pharmaceutical preparations. Chicago Pharmacal Company. 398,137; Oct. 13; Serial No. 450,790; published July 28, 1942.
Preparation containing vitamin B complex. Fellows Medical Manufacturing Company. 398,125; Oct. 13; Serial No. 444,993; published Aug. 4, 1942.
Preparation for internal use. Schering Corporation. 398,196; Oct. 13; Serial No. 453,519; published July 28, 1942.
Preparation for use in gastrointestinal disturbances. Parke, Davis & Company. 398,169; Oct. 13; Serial No. 453,087; published July 28, 1942.
Preparation used as a remedy for insomnia and restlessness. H. K. Mulford Company. 159,448; renewed Sept. 26, 1942.
Preparations for the treatment of poultry, poultry houses and incubators, etc. Gland-O-Lac Co. 398,145; Oct. 13; Serial No. 452,015; published Aug. 4, 1942.
Preparations recommended for the prevention and treatment of ringworm, athlete's foot, etc. F. Ad. Richter & Co. Inc. 398,208; Oct. 13; Serial No. 453,738; published July 28, 1942.
Remedy for disorders of the stomach and liver. Gattis Chemical Company. 164,316; renewed Feb. 20, 1943.
Salt compositions. Heatbath Corporation. 398,163; Oct. 13; Serial No. 452,903; published Aug. 4, 1942.
Salve or ointment. Gibson-Snow Co. 151,490; renewed Feb. 7, 1942.
Shampoo, hair oil, croquignole solution, etc. 42 Products, Inc. 398,161; Oct. 13; Serial No. 452,826; published Aug. 4, 1942.
Shampoo preparation and cleansing cream. E. Marchado. 398,178; Oct. 13; Serial No. 453,260; published July 28, 1942.
Sponge on make-up. F. J. P. Company. 398,203; Oct. 13; Serial No. 453,616; published July 28, 1942.
Thiamin hydrochloride. Loeser Laboratory, Inc. 398,117; Oct. 13; Serial No. 442,532; published Aug. 4, 1942.
Toilet preparations. H. Gavilla. 163,068; renewed Jan. 2, 1943.
Toilet preparations. T. Noonan & Sons Company. 159,463; renewed Sept. 26, 1942.
Tonic, Iron. Frederick Stearns & Company. 398,171; Oct. 13; Serial No. 453,131; published July 28, 1942.
Tonics, bitters, liniments, etc. J. W. James & Co. 22,567; re-renewed Feb. 28, 1943.
Vitamin B complex pills. E. M. Josephson. 398,218; Oct. 13.
Vitamin preparation. McKesson & Robbins, Incorporated. 398,206; Oct. 13; Serial No. 453,678; published Aug. 4, 1942.
Wood-Preservative. G. H. Voter, Inc. 148,747; renewed Nov. 22, 1941.

CLASS 7

Cord, seine twine, seaming twine, etc., Maitre. Brownell & Company. 164,854; renewed Feb. 27, 1943.

CLASS 9

Powder and ammunition. Western Cartridge Company. 158,858; renewed Sept. 12, 1942.

CLASS 10

Peat moss. F.-X. Lambert. 398,148; Oct. 13; Serial No. 452,582; published Aug. 4, 1942.

CLASS 11

Ink. Eastman Kodak Company. 398,143; Oct. 13; Serial No. 451,805; published Aug. 4, 1942.
Typewriter ribbons and carbon paper. A. P. Little, Inc. 398,160; Oct. 13; Serial No. 452,807; published Aug. 4, 1942.

CLASS 12

Weatherstrip. Harnly Weatherstrip Company, not Incorporated. 398,216; Oct. 13.

CLASS 13

Chains, thumb nuts, thumb screws, etc. Billings & Spencer Company. 398,228; Oct. 13.
Clips, Wire-rope. Lamson & Sessions Company. 162,529; renewed Dec. 19, 1942.
Materials for strapping boxes or the like. Signode System, Inc. 161,624; renewed Nov. 14, 1942.

CLASS 15

Oil, Crank-case flushing. Standard Oil Company (Incorporated in New Jersey). 162,696; renewed Dec. 26, 1942.
Oil, Lubricating. National Refining Company. 164,506; renewed Feb. 20, 1943.
Oils and greases, Lubricating. Pennsylvania Lubricating Company. 162,576; renewed Dec. 19, 1942.
Oils, Lubricating. Gilmore Petroleum Company. 164,698; renewed Feb. 27, 1943.
Oils, Lubricating. Standard Oil Company (Incorporated in New Jersey). 162,371–80; renewed Dec. 12, 1942.

CLASS 16

Lacquers, oil colors, transparent medium, etc. Eastman Kodak Company. 398,144; Oct. 13; Serial No. 451,806; published Aug. 4, 1942.
Paints, Ready mixed. United States Refining Co. 398,153; Oct. 13; Serial No. 452,701; published Aug. 4, 1942.
Varnishes. McClosky Varnish Company. 158,740; renewed Sept. 12, 1942.

CLASS 17

Cigarettes. Liggett & Myers Tobacco Company. 164,820; renewed Feb. 27, 1943.
Cigars, cigarettes, and smoking tobacco. Alfred Dunhill of London, Inc. 160,176–7; renewed Oct. 17, 1942.
Cigars, cigarettes, and smoking tobacco. Alfred Dunhill of London, Inc. 161,935; renewed Nov. 28, 1942.
Tobacco and cigarettes. Liggett & Meyers Tobacco Company. 164,301; renewed Feb. 20, 1943.

CLASS 19

Railway motor cars and pressed-steel car wheels. Fairmont Gas Engine & Railway Motor Car Co. 160,469; renewed Oct. 24, 1942.

CLASS 21

Electrical conductor wires and cables. United States Rubber Company. 398,124; Oct. 13; Serial No. 444,920; published Aug. 19, 1941.
Fuses, Electric. Chase-Shawmut Company. 398,168; Oct. 13; Serial No. 453,076; published Aug. 4, 1942.
Insulating devices, Porcelain. Square D Company. 158,544; renewed Sept. 5, 1942.
Lamps, Electric. Ovington's Gift Shop, Inc. 398,176; Oct. 13; Serial No. 453,207; published Aug. 4, 1942.

CLASS 22

Playing cards and playing card cases, poker chips, games. Ovington's Gift Shop, Inc. 398,177; Oct. 13; Serial No. 453,208; published Aug. 4, 1942.

CLASS 23

Bearings, Anti-friction. Permo Products Corporation. 398,133; Oct. 13; Serial No. 448,265; published July 28, 1942.
Blades, Furrier's. A. Westpfal. 398,191; Oct. 13; Serial No. 453,426; published Aug. 4, 1942.
Bushings, Bronze. Strickland Machine Company. 163,886; renewed Feb. 6, 1943.
Carburetors and accessories therefor. Bendix Aviation Corporation. 398,195; Oct. 13; Serial No. 453,487; published July 28, 1942.
Clutches, clutch plates, and parts thereof, Mechanical. Borg-Warner Corporation. 398,179; Oct. 13; Serial No. 453,261; published July 14, 1942.
Cutlery. August Waeldin, Inc. 398,225; Oct. 13.
Cutlery, particularly butcher knives and carving sets, and parts thereof. Remington Arms Company. 398,110; Oct. 13; Serial No. 432,102; published July 28, 1942.
Devices for crushing, screening, and loading and handling rock, etc. Universal Crusher Company. 398,118; Oct. 13; Serial No. 443,442; published Jan. 27, 1942.
Engines and hand-car engines, Gasoline. Fairmont Gas Engine & Railway Motor Car Co. 158,214; renewed Aug. 29, 1942.
Gas economizer attachment for the mufflers and exhaust pipes of internal combustion engines. A. F. Decker. 398,165; Oct. 13; Serial No. 452,957; published July 14, 1942.
Knife blades and holders therefor, Utility. L. S. Leffert. 398,193; Oct. 13; Serial No. 453,458; published Aug. 4, 1942.
Knives, forks, and spoons. Cellu-Service Corporation. 398,181; Oct. 13; Serial No. 453,268; published July 28, 1942.
Machines and apparatus for applying insecticides to vegetation. Root Manufacturing Company. 398,129; Oct. 13; Serial No. 446,813; published July 21, 1942.
Machines for cleaning mechanical parts. S. Bublick. 398,134; Oct. 13; Serial No. 448,545; published July 28, 1942.

Machines for dressing poultry and the like. Cube Steak Machine Co. 398,213; Oct. 13.
Milking machines, teat cups, and parts and attachments therefor. De Laval Separator Company. 398,215; Oct. 13.
Muffiers, Exhaust. Basca Manufacturing Co. 398,157; Oct. 13; Serial No. 452,763; published July 21, 1942.
Pipe or other bore cleaning tool. H. R. Crane. 398,224; Oct. 13.
Power units. American Power Element Co. 398,150; Oct. 13; Serial No. 452,630; published July 7, 1942.
Pumps and particularly refrigerant compressors, Fluid. Borg-Warner Corporation. 398,116; Oct. 13; Serial No. 442,441; published July 14, 1942.
Shovels, spades, scoops, etc. Baldwin Tool Works. 164,609; renewed Feb. 20, 1943.
Tools, Diamond dressing. S. M. Booth. 398,217; Oct. 13.
Tools, Diamond dressing. S. M. Booth. 398,222; Oct. 13.
Tools, Machinist. Truth Tool Co. 164,890; renewed Feb. 27, 1943.
Trailbuilders, that is, machines for moving dirt, etc. Buckeye Traction Ditcher Company. 398,180; Oct. 13; Serial No. 453,262; published July 21, 1942.
Wire and nail cutters. M. W. Robinson Co. 398,192; Oct. 13; Serial No. 453,446; published July 28, 1942.
Wrenches, valve and clutch spring testers, fluid clutches, etc., Torque. P. A. Sturtevant Co. 398,167; Oct. 13; Serial No. 452,992; published July 21, 1942.

CLASS 25

Safes and locks. Victor Safe and Lock Company. 159,567; renewed Sept. 26, 1942.

CLASS 26

Apparatus for testing the fading quality of cloth. Atlas Electric Devices Co. 164,518; renewed Feb. 20, 1943.
Drawing instruments and draftsmen's supplies. Eugene Dietzgen Co. 398,120; Oct. 13; Serial No. 443,926; published Aug. 4, 1942.
Goggles and parts thereof. Welsh Manufacturing Company. 398,210–11; Oct. 13; Serial Nos. 453,867–8; published Aug. 4, 1942.
Photographic cameras, films, developing boxes, etc. Eastman Kodak Company. 398,154; Oct. 13; Serial No. 452,709; published Aug. 4, 1942.
Photographic film, plates, copyboard hoods, etc. Eastman Kodak Company. 398,155; Oct. 13; Serial No. 452,713; published Aug. 4, 1942.

CLASS 31

Refrigerators, refrigerator cabinets, mechanical refrigerating apparatus, etc., Mechanical. Gibson Electric Refrigerator Corporation. 398,223; Oct. 13.

CLASS 35

Tires and tubes, Pneumatic rubber. Shapleigh Hardware Company. 160,014; renewed Oct. 10, 1942.

CLASS 37

Paper clamps, paper clips, thumb tacks, etc. Noesting Pin Ticket Company. 160,606; renewed Oct. 24, 1942.
Paper stickers. Fred Fear & Co. 398,130; Oct. 13; Serial No. 447,437; published Aug. 4, 1942.
Tape-serving device. American Nonseal Works, Inc. 161,737; renewed Nov. 21, 1942.

CLASS 38

Cartoons. Ohrbach's, Inc. 398,174; Oct. 13; Serial No. 453,142; published Aug. 4, 1942.
Magazine. William Irving Hamilton, Inc. 398,183; Oct. 13; Serial No. 453,299; published Aug. 4, 1942.
Newspapers. Morning Telegraph Company. 163,719; renewed Jan. 23, 1943.

CLASS 39

Bathrobes, shawls, hosiery, etc. Pendleton Woolen Mills. 164,236; renewed Feb. 13, 1942.
Boots and shoes, Rubber. La Crosse Rubber Mills Co. 159,012; renewed Sept. 19, 1942.
Gloves and mittens. Boss Manufacturing Company. 164,765; renewed Feb. 27, 1943.
Hosiery. J. C. Bossong. 164,079; renewed Feb. 13, 1943.
Hosiery. J. C. Bossong. 164,247; renewed Feb. 13, 1943.
Hosiery. J. C. Bossong. 164,827–8; renewed Feb. 27, 1943.
Hosiery, Ladies'. Mammoth Hosiery Mills. 164,595; renewed Feb. 20, 1943.

CLASS 40

Bracelets and attachments to wristwatch straps, Watch. Louis Stern Company Incorporated. 398,219; Oct. 13.
Patches of material stamped for embroidery or art needlework. Fixler Brothers, Incorporated. 398,221; Oct. 13.

CLASS 42

Cloth in the piece, Woven woolen. Otterburn Mill Limited. 163,880; renewed Feb. 6, 1943.
Cotton piece goods, pillow cases, and sheets. Wamsutta Mills. 164,852; renewed Feb. 27, 1943.
Silk piece goods. H. R. Mallinson & Co. Inc. 158,745; renewed Sept. 12, 1942.
Silk piece goods. H. R. Mallinson & Co. 159,718; renewed Oct. 3, 1942.

CLASS 44

Dentists' and dental office furnishings, specifically operating cabinets, diagnostic cabinets, filing cabinets, etc. Hamilton Manufacturing Company. 398,226; Oct. 13.
Scissors, nippers, and tweezers. Alfred Field & Co. Inc. 164,543; renewed Feb. 20, 1943.
Syringes for medical purposes. H. K. Mulford Company. 158,490; renewed Sept. 5, 1942.

CLASS 45

Apple and grape juice. Clarke Donelson Co. 398,182; Oct. 13; Serial No. 453,269; published July 21, 1942.
Beverage and sirups, Maltless. Western Wholesale Drug Co. 154,181; renewed Apr. 4, 1942.
Beverages. W. Hyman. 398,149; Oct. 13; Serial No. 452,613; published July 14, 1942.
Beverages and products for use in making same. S. E. Webb. 398,121; Oct. 13; Serial No. 444,362; published July 14, 1942.
Beverages, concentrated syrups and flavors. Tastee Beverage Co. 398,139; Oct. 13; Serial No. 451,396; published July 21, 1942.
Beverages, quinine water, club soda, etc. R. C. Williams & Company. 398,205; Oct. 13; Serial No. 453,650; published Aug. 4, 1942.
Beverages, sirups, and extracts. B-I Beverage Company. 398,136; Oct. 13; Serial No. 450,299; published July 7, 1942.
Canned citrus fruit juice concentrate. Mutual Orange Distributors. 398,135; Oct. 13; Serial No. 449,288; published July 7, 1942.
Carbonated water. Mission Dry Corporation. 398,113; Oct. 13; Serial No. 437,779; published Feb. 11, 1941.
Soda, Chocolate flavored. M. R. Blackman & Co., Inc. 398,112; Oct. 13; Serial No. 436,537; published July 21, 1942.
Soft drinks and syrup concentrates. W. W. Wagner. 398,186; Oct. 13; Serial No. 453,316; published July 21, 1942.

CLASS 46

Candies. Langley & Micheals Co. 156,574; renewed June 27, 1942.
Candy. S. Kreenwich. 163,358; renewed Jan. 9, 1943.
Canned peas. Psaki Brothers. 398,138; Oct. 13; Serial No. 451,321; published Aug. 4, 1942.
Coffee, Packaged. G. N. Caltis. 398,114; Oct. 13; Serial No. 437,796; published Feb. 25, 1941.
Feed, Chick. Hilltop Farm Feed Company. 398,184; Oct. 13; Serial No. 453,301; published Aug. 4, 1942.
Flour. Pillsbury Flour Mills Company. 398,158; Oct. 13; Serial No. 452,785; published Aug. 4, 1942.
Flour, Wheat. Washburn-Crosby Company. 164,233; renewed Feb. 13, 1943.
Food products. Allison-Bedford Company. 398,123; Oct. 13; Serial No. 444,888; published Aug. 4, 1942.
Herring, Salt. San Juan Fishing & Packing Co. 398,188; Oct. 13; Serial No. 453,341; published Aug. 4, 1942.
Mustard. Charles Gulden, Inc. 164,923; renewed Feb. 27, 1943.
Oatmeal, Packaged. National Oats Company. 398,115; Oct. 13; Serial No. 438,255; published Feb. 25, 1941.
Oranges, Fresh. Santiago Orange Growers Association. 164,661; renewed Feb. 27, 1943.
Potato chips. L. G. Gillespie. 398,204; Oct. 13; Serial No. 453,621; published Aug. 4, 1942.

CLASS 47

Wines. Italian Swiss Colony. 398,146; Oct. 13; Serial No. 452,477; published Aug. 4, 1942.
Wines and aperitif wines. Sanchez Romate Hermanos, S. A. 398,111; Oct. 13; Serial No. 435,412; published Aug. 4, 1942.
Wines, Still and sparkling. Julius Wile Sons & Co. 398,162; Oct. 13; Serial No. 452,845; published July 28, 1942.

CLASS 48

Beer. Piel Bros. Inc. 398,118; Oct. 13; Serial No. 443,731; published Aug. 4, 1942.
Enzyme used in the brewing industry. Frederick Stearns & Company. 398,159; Oct. 13; Serial No. 452,793; published July 28, 1942.

CLASS 49

Brandy. Ed. Phillips & Sons Company. 398,187; Oct. 13; Serial No. 453,339; published July 28, 1942.
Liqueurs. Arrow Distilleries, Inc. 398,127; Oct. 13; Serial No. 446,722; published Aug. 4, 1942.
Whiskey. John Dewar & Sons, Limited. 163,468; renewed Jan. 16, 1943.
Whiskey. McKesson & Robbins, Inc. 398,128; Oct. 13; Serial No. 446,741; published Aug. 4, 1942.
Whiskey. Stitzel-Weller Distillery. 398,197; Oct. 13; Serial No. 453,523; published Aug. 4, 1942.

CLASS 50

Plastic sheets and plates combined with glass plates, Translucent. Doane Products Corporation. 398,212; Oct. 13.
Rubber-impregnated paper and paper-felt flexible sheet material. Bird & Son, Inc. 398,156; Oct. 13; Serial No. 452,737; published Aug. 4, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Batten, Percy H., trustee. (See Lysholm, Alf, assignor.)
Bosio, Don J., Santa Monica, and H. C. Puett, assignors to Puett Electrical Starting Gate Corporation, Beverly Hills, Calif. Starting gate. Re. 22,203; Oct. 13.
Lambert, Louis F. (See Stoller, Benjamin B., assignor.)
Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Gas turbine plant. Re. 22,201; Oct. 13.
Marble, Jarvis C., trustee. (See Lysholm, Alf, assignor.)
Merrill, Leslie M., trustee. (See Lysholm, Alf, assignor.)
Nordell, Carl H., Coloma, Mich. Screen. Re. 22,199; Oct. 13.
Puett Electrical Starting Gate Corporation. (See Bosio, D. J., and Puett, assignors.)
Puett, Hoyt C. (See Bosio, D. J., and Puett.)
Richardson, William C., Wilbarger County, Tex. Hydraulic continuous press. Re. 22,200; Oct. 13.
Stoller, Benjamin B., assignor to L. F. Lambert, Coatesville, Pa. Synthetic compost for mushroom culture. Re. 22,202; Oct. 13.

LIST OF PLANT PATENTEES

Anderson, Frederic W., Merced, Calif. Nectarine. 549; Oct. 13.
Jackson & Perkins Company. (See Johnston, Walter I., assignor.)
Janssen, George, Chicago, assignor to The Premier Rose Gardens, Consolidated, Des Plaines, Ill. Rose plant. 550; Oct. 13.
Johnston, Walter I., Portadown, Northern Ireland, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 551; Oct. 13.
Nicholson, Donald J., Orlando, Fla. Seedless navel orange. 548; Oct. 13.
Premier Rose Gardens, Consolidated, The. (See Janssen, George, assignor.)

LIST OF DESIGN PATENTEES

Agopoff, Agop M., and R. A. Freundlich, assignors to Freundlich Novelty Corporation, New York, N. Y. Doll. 134,089; Oct. 13.
Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 134,076; Oct. 13.
Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 134,090; Oct. 13.
Bennett, Charles R., Cleveland, Ohio. Dispenser. 134,038; Oct. 13.
Bennett, Owen G., Wilkinsburg, assignor to Catalyst Research Corporation, Pittsburgh, Pa. Gas detector. 134,047; Oct. 13.
Botham, Arthur R., New York, N. Y., assignor to Coty, Inc., Wilmington, Del. Cosmetic case or the like. 134,053; Oct. 13.
Brogan, Frank C., Larchmont, N. Y. Dress. 134,091; Oct. 13.
Buck, Siegfried, New York, N. Y. Miniature manger. 134,072; Oct. 13.
Canfield, Leo K., Wausau, Wis. Dispensing container. 134,054; Oct. 13.
Catalyst Research Corporation. (See Bennett, Owen G., assignor.)
Christy, Robert T., New York, N. Y. Cosmetic container. 134,039; Oct. 13.
Clark, Ruth M., Albany, N. Y. Bottle. 134,077; Oct. 13.
Constantine, George, New York, N. Y. Dress. 134,048; Oct. 13.
Coty, Inc. (See Botham, Arthur R., assignor.)
Dunberg, David W., New York, N. Y. Compact. 134,055; Oct. 13.
Faden, Sylvia, New York, N. Y. Dress. 134,092; Oct. 13.
Fisch, Louis M., Los Angeles, Calif. Sport shirt. 134,078; Oct. 13.
Fletcher, William G., Bogota, N. J. Child's toy. 134,049; Oct. 13.
Franklin, Sylvia, New York, N. Y. Dress. 134,093; Oct. 13.
Franklin, Sylvia, New York, N. Y. Dress. 134,094; Oct. 13.
Freundlich Novelty Corporation. (See Agopoff, A. M., and Freundlich, assignors.)
Freundlich, Ralph A. (See Agopoff, A. M., and Freundlich.)
Gershuny, Abe, New York, N. Y. Dress. 134,095; Oct. 13.
Gershuny, Abe, New York, N. Y. Dress. 134,096; Oct. 13.
Glass, Henry P., Chicago, Ill., assignor to W. L. Stensgaard & Associates, Inc. Chair. 134,040; Oct. 13.
Globe Lighting Fixture Mfg. Co. (See Gordon, Herman N.)
Gordon, Herman N., New York, assignor to I. and M. Rosenblatt, copartners doing business as Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Lighting fixture. 134,079; Oct. 13.
Gordon, Herman N., New York, assignor to I. and M. Rosenblatt, copartners doing business as Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Lighting fixture. 134,080; Oct. 13.
Gordon, Herman N., New York, assignor to I. and M. Rosenblatt, copartners doing business as Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Lighting fixture. 134,081; Oct. 13.
Greenspan, Lou, New York, N. Y. Hat banding or similar article. 134,041; Oct. 13.
Herz, Erwin, New York, N. Y. Miniature shrine. 134,064; Oct. 13.
Herz, Erwin, New York, N. Y. Miniature crib. 134,065; Oct. 13.
Higgins, Walter A., U. S. Army, Fall River, Mass. Shoe Sterilizer drain rack. 134,082; Oct. 13.
Hommer, Julius, Union, N. J. Musical wind instrument. 134,066; Oct. 13.
Horblit, Etta M., Roxbury, Mass. Dress. 134,097; Oct. 13.
Ivers-Lee Company. (See Salfisberg, Leroy L., assignor.)
Johnson, Arthur L., Roselle Park, N. J. Electric soldering iron. 134,042. Oct. 13.
Johnson, Samuel, Fort Lauderdale, Fla. Dog collar. 134,073; Oct. 13.
Johnson, William B., U. S. Army. Portable container for liquids. 134,056; Oct. 13.
Krieger, Herman, Brooklyn, N. Y. Embroidered lace trimming. 134,106; Oct. 13.
Lentheric, Incorporated. (See McIntosh, Frank, assignor.)
Levin, David E., New York, N. Y. Shoe or similar article. 134,057; Oct. 13.
Lewis, Florence N., New York, N. Y. Traveling case. 134,083; Oct. 13.
Loewy, Raymond F., New York, N. Y., assignor to Schick Incorporated, Stamford, Conn. Range finder. 134,058; Oct. 13.
McIntosh, Frank, assignor to Lentheric, Incorporated, New York, N. Y. Bottle. 134,059; Oct. 13.
McNamee, James, Edmond, Okla. Rosary. 134,067; Oct. 13.
Menzin, Aaron S., Oakland, Calif. Combination garment. 134,084; Oct. 13.
Minor, Marshall T. (See Neill, W. R., and Minor.)
Moshontz, H., & Company. (See Moshontz, Harry, assignor.)
Moshontz, Harry, assignor to H. Moshontz & Company, Cleveland, Ohio. Culotte uniform dress. 134,050; Oct. 13.
Moshontz, Harry, assignor to H. Moshontz & Company, Cleveland, Ohio. Culotte uniform dress. 134,051; Oct. 13.
Moye, Barbara, New York N. Y. Jacket. 134,098; Oct. 13.
Moye, Barbara, New York, N. Y. Dress. 134,099; Oct. 13.
Moye, Barbara, New York, N. Y. Dress. 134,100; Oct. 13.
Moye, Barbara, New York, N. Y. Jacket. 134,101; Oct. 13.
Moye, Barbara, New York, N. Y. Jacket. 134,102; Oct. 13.

Neill, William R., Valley Station, and M. T. Minor, Louisville, Ky. Twine container. 134,052; Oct. 13.
Nilsen, Conrad, Mattapan, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Sew-on button. 134,085; Oct. 13.
Penn, William D., Dallas, Tex. Hearing aid apparatus case. 134,060; Oct. 13.
Peters, Walter C., Atlanta, Ga. Badge or similar article. 134,068; Oct. 13.
Philippe, Alfred, Providence, R. I. Ring. 134,087; Oct. 13.
Philippe, Alfred, Providence, R. I. Ring. 134,088; Oct. 13.
Riesenberg, Samuel, New York, N. Y. Dress. 134,103; Oct. 13.
Robsjohn-Gibbins, Terrence H. (See Tschernjakow, L., and Robsjohn-Gibbins.)
Rohrbach, John J., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Pair of semirimless spectacles. 134,074; Oct. 13.
Rosenblatt, Isidor, et al. (See Gordon, Herman, assignor.)
Rosenblatt, Max, et al. (See Gordon, Herman N., assignor.)
Sadowsky, David R., New York, N. Y. Dress. 134,104; Oct. 13.
Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Multiple envelope or similar package. 134,061; Oct. 13.
Schick Incorporated. (See Loewy, Raymond F., assignor.)
Shuron Optical Company. (See Rohrbach, John J., assignor.)
Stensgaard, W. L., & Associates, Inc. (See Glass, Henry P., assignor.)
Suarez, John S., Brooklyn, N. Y. Brooch or similar article. 134,069; Oct. 13.
Suarez, John S., Brooklyn, N. Y. Brooch or similar article. 134,070; Oct. 13.
Sun Glow Industries, Inc. (See Witman, Delwin C., assignor.)
Susi, Michael A., assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 134,105; Oct. 13.
Susi, Michael A., New York, N. Y. Textile fabric or similar article. 134,107; Oct. 13.
Tepel, Alfred, New York, N. Y. Photographic easel album or similar article. 134,075; Oct. 13.
Tschernjakow, Lydia, and T. H. Robsjohn-Gibbins, New York, N. Y. Couch or similar article. 134,043; Oct. 13.
United-Carr Fastener Corporation. (See Nilsen, Conrad, assignor.)
Vaughn, Albert E., Los Angeles, Calif. Combined cosmetic powder container and applicator. 134,044; Oct. 13.
Voorhis, Gordon, assignor to Voorhis-Tiebout Company, Inc., Rhinebeck, N. Y. Cake of soap. 134,045; Oct. 13.
Voorhis-Tiebout Company. (See Voorhis, Gordon D., assignor.)
Wendell, Philip, La Crescent, Minn. Advertising sign. 134,071; Oct. 13.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 134,086; Oct. 13.
Wilkinson, Charles E., Mason City, Iowa. Shelf or the like. 134,046; Oct. 13.
Witman, Delwin C., assignor to Sun Glow Industries, Inc., Mansfield, Ohio. Dresser. 134,062; Oct. 13.
Witman, Delwin C., assignor to Sun Glow Industries, Inc., Mansfield, Ohio. Chest-on-chest. 134,063; Oct. 13.
Yale Fabrics Corp. (See Susi, Michael A., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. T. Manufacturing Corp. (See Williams, H. E., and Durant, assignors.)
Abadie, Jean B. J. M., Puteaux, France. Luminescent lamp bulb. 2,298,581; Oct. 13.
Abbott, Stanton, Holmesville, Nebr. Animal trap. 2,298,634; Oct. 13.
Acme Visible Records, Inc. (See Hall, Marchand B., assignor.)
Adams, Henry H. (See Clifford, W. J., and Adams.)
Aerovox Corporation. (See Waterman, Herbert, assignor.)
Agar, Dudley C., Pittsburgh, Pa. Refuse compacting apparatus. 2,298,747; Oct. 13.
Aircooled Motors Corporation. (See Doman, Carl T., assignor.)
Airetool Mfg. Company. (See Key, Elmer A., and Baker, assignors.)
Air-Line Mfg. Co. (See McCoy, Curtiss J., assignor.)
Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Johnson, Bror A. E., assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Thommen, Hans, assignor.)
Alabrune, Francois, Chicago, Ill. Aerial transportation. 2,298,912; Oct. 13.
Albosta, Edward V. P., Philadelphia, Pa. Game. 2,298,998; Oct. 13.
Alderman, Edward J., East Moline, and D. F. White, Moline, Ill. Hydraulic control mechanism. 2,298,267; Oct. 13.
Aldinger, Gustave F., assignor to Eastman Kodak Company, Rochester, N. Y. Reel mounting. 2,298,329; Oct. 13.
Alhadef, Joseph. (See Dubofsky, H., and Alhadef.)
Alien Property Custodian. (See Gartenmeister, Walter.)
Alien Property Custodian. (See Peters, Wilhelm.)
All American Aviation, Inc. (See du Pont, C., Richard, assignor.)
Allan, Archibald, Whitley Bay, and D. F. Amer, Newcastle-on-Tyne, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Alternating current electric circuit breaker. 2,298,859; Oct. 13.
All-Around Reflector Co. (See Parish, Scott, assignor.)
Alleman, Gellert, Wallingford, and J. H. Perrine, Prospect Park, assignors to Sun Oil Company, Philadelphia, Pa. Chlorinated esters of acids derived from petroleum. 2,298,670; Oct. 13.
Allen, Wallace T., Royal Oak, assignor to Square D Company, Detroit, Mich. Electrical contact. 2,298,999; Oct. 13.
Allen, Wallace T., Royal Oak, assignor to Square D Company, Detroit, Mich. Electrical contact. 2,299,000; Oct. 13.
Alley, Stephen E. (See Alley, S. E., Gardner, and Alley.)
Alley, Stephen E., C. S. Gardner, and S. E. Alley, Shrewsbury, England. Ironing press. 2,298,860; Oct. 13.
Alley, Stephen E., C. S. Gardner, and S. E. Alley, Shrewsbury, England. Ironing press. 2,298,861; Oct. 13.
Allis-Chalmers Manufacturing Company. (See Ray, James L., assignor.)
Alloys Recovery Company Inc. (See Stern, Max, assignor.)
Aluminum Company of America. (See Thomas, John W., assignor.)
Alvari, George, Brooklyn, N. Y. Indicating slide device. 2,298,730; Oct. 13.
Ambler, Charles M., Jr., Jenkintown, assignor to The Sharples Corporation, Philadelphia, Pa. Recovery of tar acids. 2,298,816; Oct. 13.
Amer, Donald F. (See Allan, A., and Amer.)
American Air Filter Company. (See Dahlman, Verner, assignor.)
American Air Filter Company. (See Pound, H. W., and Rush, assignors.)
American Bosch Corporation. (See Schwarzmann, W. E., and Strniste, assignors.)
American Bottlers of Carbonated Beverages. (See Shillinglaw, C. A., and Levine, assignors.)
American Can Company. (See Gordon, James H., Jr., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Nordquist, Ronald E. J., assignor.)
American Can Company. (See Reese, Garland W., assignor.)
American Chemical Paint Company. (See Romig, Gerald C., assignor.)
American Cyanamid Company. (See Davis, Arnold R., assignor.)
American Cyanamid Company. (See Ericks, Walter P., assignor.)
American Cyanamid Company. (See Ericks, W. P., and Williams, assignors.)
American District Telegraph Company, The. (See Evans, F. C., and Donellan, assignors.)
American District Telegraph Company. (See Purcell, Gerald G. N., assignor.)
American Felt Company. (See Boeddinghaus, Hugo, assignor.)
American Locker Company. (See Hofmann, George, assignor.)
American Lurgi Corporation. (See Roesner, G., Schuster, von Ravensburg, Faber, and Riske, assignors.)
American Machine and Foundry Company. (See Nejedly, Peter M., assignor.)
American Optical Company. (See Cook, R. T., and Bonin, assignors.)
American Optical Company. (See Moulton, Harold R., assignor.)
American Safety Razor Corporation. (See Dalkowitz, Godfrey, assignor.)
American Securit Company, The. (See Long, Bernard, assignor.)
American Shoe Machinery and Tool Company. (See Krag, Harry W., assignor.)
American Smelting and Refining Company. (See Kearney, Louis L., assignor.)
American Smelting and Refining Company. (See Richardson, Paul K., assignor.)
American Steel Foundries. (See Cottrell, Robert B., assignor.)
American Tobacco Company, The. (See Dalton, John T., assignor.)
American Zinc, Lead & Smelting Company. (See MacIntire, Walter H., assignor.)
Anderson, Arvid E., Media, Pa., assignor to General Electric Company. Automatic reclosing circuit breaker system. 2,298,817; Oct. 13.
Anderson, Edmund B., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Universal joint. 2,299,001; Oct. 13.
Anderson, William T., Jr., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Decomposing ozone. 2,298,607; Oct. 13.
Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,298,330; Oct. 13.
Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,298,331; Oct. 13.
Anthony Company. (See Wachter, Lester W., assignor.)
Applegate, Lester J., Gilmore City, Iowa. Grain removing device. 2,298,332; Oct. 13.
Arden, Archibald W. (See Arden, Herbert B. and A. W.)
Arden, Herbert B. and A. W., London, England. Molding device. 2,298,913; Oct. 13.
Arentzen, Einar M., assignor, by mesne assignments, to Joy Manufacturing Company, Franklin, Pa. Self-loading and self-propelled vehicle. 2,298,448; Oct. 13.
Aresee Company Inc. (See Chandler, D. L., Ewing, and Walker, assignors.)
Armour and Company. (See Corley, H. M., Ralston, and Segebrecht, assignors.)
Armstrong Cork Company. (See Worm, Erwin A., Jr., assignor.)
Ash, Charles S., Milford, and L. A. Larsen, Detroit, Mich.; said Larsen assignor to Differential Wheel Corporation, New York, N. Y. Valve stem locator. 2,298,333; Oct. 13.
Ash, Charles S., Milford, Mich. Automotive vehicle. 2,298,334; Oct. 13.
Ashby, Winfrey M., Howard County, Md. Horse's muzzle. 2,298,265; Oct. 13.
Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sewing machine. 2,298,268; Oct. 13.
Askania Regulator Company. (See Ziebolz, Herbert, assignor.)
Associated Electric Laboratories, Inc. (See Crocker, Thomas F., assignor.)
Associated Electric Laboratories, Inc. (See Horlacher, Albert F., assignor.)
Associated Electric Laboratories, Inc. (See Willis, Bernard D., assignor.)
Atkinson, William H. (See Weymouth, Mason, assignor.)
Atlantic Research Associates, Inc. (See Atwood, Francis C., assignor.)

Atlee, Zed J., Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill. Multiple target ande. 2,298,335; Oct. 13.
Atwood, Francis C., Newton, assignor to Atlantic Research Associates, Inc., Newtonville, Mass. Synthetic protein resin and method of making the same. 2,298,269; Oct. 13.
Auer, László, Bloomfield, N. J. Manufacture of modified organic isocolloids. 2,298,270; Oct. 13.
Auer, László, East Orange, N. J. Manufacture of modified organic isocolloid materials. 2,298,271; Oct. 13.
Auer, László, East Orange, N. J. Modification of fatty oils. 2,298,914; Oct. 13.
Auer, László, East Orange, N. J. Manufacture of modified products from fatty oils, etc. 2,298,915; Oct. 13.
Auer, László, East Orange, N. J. Modification of fatty oils. 2,298,916; Oct. 13.
Auer, László, East Orange, N. J. Modification of fatty oils. 2,298,917; Oct. 13.
Auer, László, East Orange, N. J. Modification of fatty oils. 2,298,918; Oct. 13.
Auer, László, East Orange, N. J. Modification of fatty oils. 2,298,919; Oct. 13.
Austin, Charles D., Cincinnati, Ohio. Photographic apparatus. 2,299,002; Oct. 13.
Auto-Klean Strainers Limited. (See Beldam, William R., assignor.)
Axelson Manufacturing Co. (See Kelly, J., Ostrom, and Williams, assignors.)
Ayers, Lorenz K. (See Stinson, T. K., and Ayers.)
Babb, Maynard A., assignor to Duro Test Corporation, North Bergen, N. J. Hot cathode glow discharge lamp unit. 2,298,336; Oct. 13.
Babcock & Wilcox Company, The. (See Fletcher, James, assignor.)
Babcock & Wilcox Company, The. (See Junkins, R. D., (Toomey and Smith, assignors).)
Bachleda, Matthew E., Chicago, Ill. Core removing machine. 2,298,266; Oct. 13.
Badenhausen, John P., assignor of one-half to Day and Zimmermann, Incorporated, Philadelphia, Pa. Steam generator. 2,299,050; Oct. 13.
Bailey, Arnold B., Scotch Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna. 2,298,449; Oct. 13.
Bailey Meter Company. (See (Junkins, R. D.) assignor, Toomey, and Smith.)
Baker, David B., Riverside, Ill., assignor to International Harvester Company. Seat. 2,298,450; Oct. 13.
Baker, Robert E. (See Key Elmer, A., and Baker.)
Baldwin, Harold R., Carpentersville, Ill., assignor to Elgin Manufacturing Company. Filling machine. 2,299,003; Oct. 13.
Balestri, Leon, Hennepin, Ill. Combination wagon box. 2,298,524; Oct. 13.
Balfe, George T. (See Richardson, F. C., and Balfe.)
Ballard, Milton H., and F. E. Stratton, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Press. 2,298,337; Oct. 13.
Balthasar, Harry G., West Tower Park, assignor to The Sprayomatic Products Company, Cincinnati, Ohio. Tag dispenser. 2,298,451; Oct. 13.
Balz, Harry W., and L. F. Hemphill, Fort Wayne, Ind., assignors to General Electric Company. Dynamoelectric machine construction. 2,298,862; Oct. 13.
Barker, Ernest C., Oak Park, assignor to The Gerrard Company, Inc., Chicago, Ill. Centrally reinforced single compartment citrus box. 2,298,452; Oct. 13.
Barker. Ernest C., Oak Park, assignor to The Gerrard Company, Inc., Chicago, Ill. Tying plate for conveyers. 2,298,921; Oct. 13.
Barks, Frank S., and V. G. Klein, assignors to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 2,298,920; Oct. 13.
Barrow, Wilmer L., Newton, Mass., assignor to Research Corporation, New York, N. Y. Electromagnetic horn. 2,298,272; Oct. 13.
Bartelink, Everhard H. B., Niskayuna, N. Y., assignor to General Electric Company. Image transmission system. 2,298,863; Oct. 13.
Bartelink, Everhard H. B., Niskayuna, N. Y., assignor to General Electric Company. Synchronizing system. 2,298,864; Oct. 13.
Barton Corporation, The. (See Labisky, Arthur H., assignor.)
Bascom, Henry M., Brooklyn, and William A. Rhodes, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Service measuring system. 2,298,453; Oct. 13.
Basic Patents, Inc. (See Stember, Bernard, assignor.)
Bates, Mortimer F., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Memory type recorder. 2,298,608; Oct. 13.
Bay State Optical Company. (See Nerney, George E., assignor.)
Bayes, Elijah W., Parsons, Kans. Highway maintainer conveyer. 2,298,671; Oct. 13.
Beatty, Bryan, St. Louis, Mo., assignor to The Peerless Machinery Company, Boston, Mass. Folding machine. 2,298,454; Oct. 13.
Beatty, William A., Sidcup, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric signaling system. 2,298,922; Oct. 13.
Beebe, Raymond H., Glen Ridge, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Machine for winding coiled sections. 2,298,923; Oct. 13.
Bee Line Manufacturing Company. (See Smith, Roy D., assignor.)
Beldam, William R., assignor to Auto-Klean Strainers Limited, London, England. Straining or filtering apparatus for liquids. 2,298,865; Oct. 13.
Bell Telephone Laboratories, Incorporated. (See Bailey, Arnold B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bascom, H. M., and Rhodes, assignors.)
Bell Telephone Laboratories, Incorporated. (See Blattner, David G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Boghosian, W. H., Hinshaw, and Och, assignors.)
Bell Telephone Laboratories, Incorporated. (See Bohren, Arnold K., assignor.)
Bell Telephone Laboratories, Incorporated. (See Burrows, Charles R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Christensen, Carl J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Curtis, Austen M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Decino, Alfred, assignor.)
Bell Telephone Laboratories, Incorporated. (See Hall, Nathan I., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hubbard, Francis A., assignor.)
Bell Telephone Laboratories, Incorporated. (See McRae, James W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Rea, Wilton T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Smith, Phillip H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Tillman, Richard J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Vieth, Leonard, assignor.)
Bell Telephone Laboratories, Incorporated. (See Williams, Robert R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Winans, Robert C., assignor.)
Bendix Aviation Corporation. (See Berges, Donald M., assignor.)
Bendix Aviation Corporation. (See Harrison, Robert R., assignor.)
Bendix Aviation Corporation. (See Nardone, Romeo M., assignor.)
Bendix Aviation Corporation. (See Webster, Sidney H., assignor.)
Benedict. Wayne L. (See Read, D., Jr., and Benedict.)
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Harrow. 2,298,455; Oct. 13.
Benkö, Francisco, Buenos Aires, Argentina. Mechanical chessboard. 2,298,456; Oct. 13.
Bennett, Maurice D. (See Potter, R. S., and Bennett.)
Benson, Cyril O. (See Mason, J., and Benson.)
Berg, Gustav, Glasgow, Scotland. Beating up mechanism for looms, especially for manufacturing terry toweling. 2,299,004; Oct. 13.
Berges, Donald M., Tenafly, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Variable stroke motor. 2,298,457; Oct. 13.
Berkery, Emmet A., Marlboro, N. Y. Replacement washer. 2,298,338; Oct. 13.
Best Foods, Inc., The. (See Schaub, Jacob, assignor.)
Bichowsky, Francis R., Ann Arbor, Mich. Absorption refrigeration apparatus. 2,298,924; Oct. 13.
Biddle In A Basket, Inc. (See Wilson, Thad, assignor.)
Bigelow, Roy S., assignor to Goodman Manufacturing Company, Chicago, Ill. Connecting means for shaker conveyer trough lines. 2,299,005; Oct. 13.
Binkovitz, Karl. (See Parker, Louis W., assignor.)
Blackwell, Elle O., Gainesville, Fla. Block molding machine. 2,298,458; Oct. 13.
Blattner, David G., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Registering device. 2,298,273; Oct. 13.
Blaw-Knox Company. (See Harrington, Edward L., assignor.)
Bliss, John N., Peoria, Ill. Letter form and guide for the same. 2,298,635; Oct. 13.
Bluemle, Arnold A., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Switch mechanism. 2,298,781; Oct. 13.
Bluemle, Arnold A., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Dimmer switch. 2,298,782; Oct. 13.
Boeddinghaus, Hugo, Newburgh, assignor to American Felt Company, New York, N. Y. Material for shoe stiffeners. 2,298,274; Oct. 13.
Boes, Walter W., Dayton, Ohio. Film winder. 2,298,339; Oct. 13.
Boese, Albert B., Jr., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Preparation of 4-methyl hydroxy coumarins. 2,298,459; Oct. 13.

Boghosian, William H., Forest Hills, F. A. Hinshaw, St. Albans, N. Y., and H. G. Och, West Englewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulated oscillator. 2,298,460; Oct. 13.
Bohren, Arnold K., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical coil. 2,298,275; Oct. 13.
Boisseau, Alexander C. (See Thumin, C., and Boisseau.)
Bolen, Jesse T. (See MacKay, W. J., and Bolen.)
Bonewitz, Everett D., Monterey Park, Calif. Firecracker cannon. 2,298,609; Oct. 13.
Bonin, Wilfrid A. (See Cook, R. T., and Bonin.)
Borg-Warner Corporation. (See Anderson, Edmund B., assignor.)
Borg-Warner Corporation. (See Nutt, Harold, assignor.)
Borg-Warner Corporation. (See Nutt, H., and Reed, assignors.)
Bowen, Culbert, Salt Lake City, Utah. Typewriter carriage return device. 2,298,610; Oct. 13.
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure braking system. 2,298,856; Oct. 13.
Bradford, Elmer R., assignor to Eastman Kodak Company, Rochester, N. Y. Retard for focal plane shutters. 2,298,340; Oct. 13.
Breneman, Chas. W., Company, The. (See Sarran, W. E., and Metzger, assignors.)
Brickman, Alan E., Rostraver Township, Westmoreland County, Pa. Safety reflector assembly. 2,298,461; Oct. 13.
Bridges, Daniel T., Auburn, Mass. Mechanism for handling endless film. 2,298,925; Oct. 13.
Briggs, Arthur M., Huntington Park, Calif. Rotary internal combustion engine. 2,298,525; Oct. 13.
Brinkley, Dyron L., Rodessa, La. Motor vehicle periscope. 2,298,341; Oct. 13.
Bronander, Wilhelm B., Montclair, N. J. Package seal. 2,298,462; Oct. 13.
Brooker, Leslie G. S., and R. H. Sprague, assignors to Eastman Kodak Company, Rochester, N. Y. Pyrrole filter and backing dye. 2,298,731; Oct. 13.
Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Polymethine base. 2,298,732; Oct. 13.
Brooker, Leslie G. S., and R. H. Sprague, assignors to Eastman Kodak Company, Rochester, N. Y. Filter dye and photographic material containing the same. 2,298,733; Oct. 13.
Brown, Andrew. (See Griffiths, J. B., Brown and Tervet.)
Brown Bag Filling Machine Company, The. (See Chandler, Austin S., assignor.)
Brown, Charles H., Brooklyn, N. Y., and W. van B. Roberts, Princeton, N. J., assignors to Radio Corporation of America. Double cathode electron discharge device and circuits. 2,298,673; Oct. 13.
Brown Engine & Machine Company. (See Vowles, Ernest H., assignor.)
Brown, Floyd de L., New York, N. Y. Traction unit. 2,298,282; Oct. 13.
Brown, Floyd de L., New York, N. Y. Automotive vehicle. 2,299,006; Oct. 13.
Brown, George R., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Making electric cables. 2,298,748; Oct. 13.
Brown, Robert R., New Canaan, Conn. Hat device. 2,298,672; Oct. 13.
Bruderlin, Henry H., Hermosa Beach, Calif., assignor to Douglas Aircraft Company, Inc. Tension compensating device. 2,298,611; Oct. 13.
Brügger, Albert, Horgen, Switzerland. Automatic feed device for the thread guide means of cop winding machines. 2,298,819; Oct. 13.
Brus, Emile P., assignor to Sta-Tite Plug Corporation, Kansas City, Mo. Electrical plug and receptacle. 2,298,342; Oct. 13.
Buchmann, Louis, assignor to Trico Products Corporation, Buffalo, N. Y. Motor. 2,298,734; Oct. 13.
Buckley, Stuart E., Houston, Tex., assignor to Standard Oil Development Company. Recovering liquids from gases. 2,298,818; Oct. 13.
Buda Company, The. (See Smith, Harold G., assignor.)
Budd, Edward G., Manufacturing Company. (See Winlock, J., and MacKinney, assignors.)
Bugg, Kenly C., Farmington, Mo., assignor to Neptune Meter Company. Resetting mechanism for counting devices. 2,298,343; Oct. 13.
Bühler, Gebrüder. (See Hummel, Charles, assignor.)
Bull, Victor G. (See Scott-Paine, H., and Bull.)
Bundy, Oswald M., Cleveland Heights, assignor to The Clark Controller Company, Cleveland, Ohio. Control system for cyclically operating machines. 2,299,007; Oct. 13.
Burchardt, Alfred. (See Russell, A. G., Burckhardt, and Calhoun.)
Burcky, Charles W., Park Ridge, and E. A. Gubisch, assignors to Teletype Corporation, Chicago, Ill. Double image facsimile page printer. 2,298,276; Oct. 13.
Burhans, William G., Kingston, N. Y. Oil filter. 2,298,674; Oct. 13.
Burnett, Harold A., Wichita, Kans. Transparent sealing device for window openings. 2,298,783; Oct. 13.
Burnett, Robert E., Niskayuna, N. Y., assignor to General Electric Company. Resinous composition. 2,298,866; Oct. 13.
Burnham, Bradshaw, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printing apparatus; 2,298,344; Oct. 13.
Burrows, Charles R., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical wave amplification. 2,298,926; Oct. 13.
Burt, William G., Jr., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing seal. 2,298,463; Oct. 13.
Burton, Howard B., Jr., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Coated or color granular material. 2,298,277; Oct. 13.
Burwell, Blair, Uravan, Colo., assignor to United States Vanadium Corporation. Vanadic oxide flakes and making the same. 2,298,464; Oct. 13.
Buschmann, Oskar H., assignor to Copeland Refrigeration Corporation, Sidney, Ohio. Refrigerating mechanism. 2,298,749; Oct. 13.
Calhoun, Samuel E. (See Russell, A. G., Burckhardt and Calhoun.)
Callan, Terence J., Park Ridge, and V. L. Erickson, assignors to Welmaid Products, Chicago, Ill. Ironing pad. 2,298,927; Oct. 13.
Callender, William L., Washington, D. C., assignor of one-third to F. F. Mack, Tacoma Park, Md., and one-third to H. S. Garber, Washington, D. C. Mechanical movement. 2,298,675; Oct. 13.
Camp, William M., Glen Ridge, assignor to The Clark Thread Company, Newark, N. J. Splicing thread and yarn. 2,298,676; Oct. 13.
Campbell, William J., assignor to Climax Machinery Company, Indianapolis, Ind. Exhaust fan unit. 2,298,677; Oct. 13.
Carbide and Carbon Chemicals Corporation. (See Boese, Albert B., Jr., assignor.)
Carbide and Carbon Chemicals Corporation. (See Clapsadle, Leo J., assignor.)
Carmichael, Clyde T. (See Rice, C. T., and Carmichael.)
Carnie, Alexander. (See Herr, R. F., and Carnie.)
Carr, Donald E., assignor to Union Oil Company of California, Los Angeles, Calif. Producing asphalt emulsions. 2,298,612; Oct. 13.
Carroll, Ellsworth W., assignor to S & W Fine Foods, Inc., San Francisco, Calif. Fruit orientator with linear driving member. 2,298,614; Oct. 13.
Carroll, Ellsworth W., and H. E. Metcalf, assignors to S & W Fine Foods, Inc., San Francisco, Calif. Pit detector. 2,298,613; Oct. 13.
Carter Carburetor Corporation. (See Ericson, G. R., and Markham, assignors.)
Carver, Richard N. (See Lohr, R. J., and Carver.)
Case, Richard Y., Philadelphia, assignor to L. H. Gilmer Co., Philadelphia, Pa. Making cut toothed power transmission belts. 2,298,867; Oct. 13.
Castings Patent Corporation. (See Hagemeyer, Henry F., assignor.)
Catlin, Willard E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic polyamide filaments of high impact strength and making same. 2,298,868; Oct. 13.
Caulk, John R., Jr., Ladue, and R. E. Davis, assignors to Hussman-Ligonier Company, St. Louis, Mo. Refrigerated display case. 2,298,526; Oct. 13.
Ceballos, Juan M., et al. (See Peebles, George B., assignor.)
Celanese Corporation of America. (See Dreyfus, Henry, assignor.)
Celanese Corporation of America. (See Elvin W. J., Reel, Stahl, and Schulte, assignors.)
Champion Pecan Machine Company, The. (See Meyer, Leo J., assignor.)
Chandler, Austin S., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass. Envelope or container. 2,298,616; Oct. 13.
Chandler, Daniel L., Salem, G. W. Ewing, Peabody, and F. H. Walker, assignors to Aresee Company Inc., Salem, Mass. Reversing mechanism. 2,298,527; Oct. 13.
Chantland, Sherman A. (See Goebel, G., and Chantland.)
Chapman Valve Manufacturing Co., The. (See Malcolm, Vincent T., assignor.)
Chase, Delmar D., Huntington Woods, Mich., assignor to General Electric Company. Regulator system. 2,898,820; Oct. 13.
Chase, Laura L., et al. (See Chase, Stanley H., assignor.)
Chase, Stanley H., assignor of one-third to L. L. Chase, Otisfield, and one-third to N. Harithas, Mechanic Falls, Maine. Gunstock. 2,298,678; Oct. 13.
Chicago Pneumatic Tool Company. (See O'Farrell, Matthew, assignor.)
Childs, Henry R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Yarn winding machine. 2,298,345; Oct. 13.
Christensen, Carl J., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making resistors and resistance materials. 2,298,679; Oct. 13.
Christensen, Norman V., Chicago, H. J. Le Vesconte, Western Springs, G. Sauer, Berwyn, and O. Quist, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,298,750; Oct. 13.
Cincinnati Industires, Inc. (See Rowe, William W., assignor.)

Cincinnati Time Recorder Company, The. (See Streckfuss, Elmer G., assignor.)
Clapsadle, Leo J., Buffalo, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Nonfoaming cooling fluid. 2,298,465; Oct. 13.
Claremont Waste Manufacturing Company. (See Hauge, Andrew, assignor.)
Clark, Charles C., Columbus, Ohio. Boiler flue protector. 2,298,857; Oct. 13.
Clark, Clyde E., Seattle, Wash. Spraying device nozzle. 2,298,680; Oct. 13.
Clark controller Company, The. (See Bundy, Oswald M., assignor.)
Clark, Earl K. and P. R. Lee, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermostat. 2,298,928; Oct. 13.
Clark, Gilbert R. (See Smith, J. E., Whitaker and Clark.)
Clark Thread Company, The. (See Camp, William M., assignor.)
Clark, Will M., South Orange, N. J. Novel food product and producing the same. 2,298,278; Oct. 13.
Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Machine for manufacturing scrap bunches. 2,298,279; Oct. 13.
Cleveland Punch & Shear Works Company, The. (See Longfield, William F., assignor.)
Clifford Manufacturing Co. (See Woods, John E., assignor.)
Clifford, Wilfred J. and H. H. Adams, Brentford, England, assignors to Parker Rust-Proof Company, Detroit, Mich. Treatment of metal. 2,298,280; Oct. 13.
Climax Machinery Company. (See Campbell, William J., assignor.)
Clinton Company. (See Judgensen, R. P., and Rohwer, assignors.)
Cocmocolor Corporation. (See Gilmore, Otto C., assignor.)
Cogsdill, Lewis, Horseheads, N. Y. Electrical connector. 2,298,615; Oct. 13.
Cogswell, Byron A., Grand Rapids, Mich. Marine propeller. 2,298,869; Oct. 13.
Coleman, Gerald H., assignor to The Dow Chemical Company, Midland, Mich. Insecticide. 2,298,681; Oct. 13.
Coleman, Roy E., Meriden, Conn., assignor, by mesne assignments, to Time, Incorporated. Solution of zein in solvents acidified with inorganic acids. 2,298,548; Oct. 13.
Coleman, Roy E., Chicago, Ill., assignor, by mesne assignments, to Time, Incorporated. Treating zein. 2,298,549; Oct. 13.
Columbus Coated Fabrics Corporation. (See Hyatt, C. S., and Lowman, assignors.)
Colvinex Corporation. (See Joy, M. F., and Shepardson, assignors.)
Conrad, Edward C., Philadelphia, Pa., assignor to Radio Corporation of America. Electrical connector. 2,298,822; Oct. 13.
Consolidated Sewing Machine & Supply Co. Inc. (See Ingwer, Max, assignor.)
Cook, Leonard W., Fairfield, Conn., assignor to General Electric Company. Starting switch. 2,298,785; Oct. 13.
Cook, Roland T., and W. A. Bonin, assignors to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,298,784; Oct. 13.
Cooke, James W., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,298,821; Oct. 13.
Cooley, Austin G., assignor, by mesne assignments, to times Telephoto Equipment Inc., New York, N. Y. Electro-optical system and apparatus. 2,298,466; Oct. 13.
Cooper, Arthur H., Iver, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Television receiver. 2,298,870; Oct. 13.
Copeland Refrigeration Corporation. (See Buschmann, Oskar H., assignor.)
Corley, Hoyt M., A. W. Ralston, and E. W. Segebrecht, assignors to Armour and Company, Chicago, Ill. Flotation separation of ore. 2,298,281; Oct. 13.
Corro-Lith Corporation. (See Sianhoff, Bertram, assignor.)
Corson, Ben B., and G. S. Monroe, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,298,346; Oct. 13.
Corson, Ben B., and G. S. Monroe, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,298,347; Oct. 13.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Cushion device for pedestal type trucks. 2,299,051; Oct. 13.
Cover, Ralph, Westminster, Md. Corn husking machine. 2,298,550; Oct. 13.
Coxe, Charles D., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Formation of metal shapes. 2,298,348; Oct. 13.
Coxhead, Ralph C., Corporation. (See Norton, Charles W., assignor.)
Creager, Frederick L., Camden, N. J., assignor to Radio Corporation of America. Control element. 2,298,858; Oct. 13.
Creed and Company Limited. (See Mason, Frederick P., assignor.)
Criley, William W., Shaker Heights, Ohio. Forging machine. 2,298,467; Oct. 13.
Crocker, Thomas F., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,298,751; Oct. 13.
Crockford, Joseph R., Brooklyn, N. Y. Tampon. 2,298,752; Oct. 13.
Cross, Carl F., and E. P. Grogg, Hammond, Ind., assignors to Sinclair Refining Company, New York, N. Y. Refining. 2,298,753; Oct. 13.
Crown Can Company. (See Yawger, Ernest S., Jr., assignor.)
Crown Cork & Seal Company. (See Gladfelter, W. I., and Duhan, assignors.)
Crown Cork & Seal Company. (See Goebel, G., and Chantland, assignors.)
Crum, Stephen, Minneapolis, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic switch. 2,298,823; Oct. 13.
Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Safety latch for camera mechanism. 2,298,349; Oct. 13.
Cumfer, Donald A., Ridgewood, N. J., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machine. 2,298,871; Oct. 13.
Curran, Thomas B. (See Schilling, A. A., and Curran.)
Curtis, Austen M., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact protection. 2,298,468; Oct. 13.
Curtis, Austin W., Jr., Tuskegee Institute, Ala. Sanitary seat cover. 2,298,547; Oct. 13.
Curtis Companies Incorporated. (See Madsen, Sern, assignor.)
Curtiss-Wright Corporation. (See Czurles, J. S., and Erny, assignors.)
Curtiss-Wright Corporation. (See Rossmann, Peter F., assignor.)
Cutler-Hammer, Inc. (See Emley, Philip W., assignor.)
Cutler, James L. (See Kimmich, E. G., and Cutler.)
Czurles, John S., Buffalo, and F. Erny, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Wing slat equalizer. 2,298,264; Oct. 13.
Dahlman, Verner, assignor to American Air Filter Company, Inc., Louisville, Ky. Differential pressure control mechanism. 2,298,469; Oct. 13.
Dahlström, Fride E., Grasa, assignor to L. Wilklund, Helsinfors, Finland. Arrangement for painting. 2,298,682; Oct. 13.
Dailey, Hampton J., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electron discharge device. 2,298,929; Oct. 13.
Dalkowitz, Godfrey, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Dry shaver. 2,298,872; Oct. 13.
Dalkowitz, Godfrey, New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Pile wire. 2,298,873; Oct. 13.
Dalton, John T., Durham, N. C., assignor, by mesne assignments, to The American Tobacco Company, New York, N. Y. Attachment for stapling machines. 2,298,683; Oct. 13.
Dalton, John T., Durham, N. C., assignor to The American Tobacco Company, New York, N. Y. Attachment for stapling machine. 2,298,684; Oct. 13.
Darley, William G., Cleveland Heights, Ohio, assignor to General Electric Company. Lamp socket. 2,298,824; Oct. 13.
Dart, David M. (See McKibben, R. H., and Dart.)
Davidson, Charles E., Jr., Lincoln, Nebr. Liquid sampling device. 2,298,350; Oct. 13.
Davies, Leonard J. (See Scott, W. J., and Davies.)
Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Resinous fusion product. 2,298,470; Oct. 13.
Davis, Curt C., Berkeley, Calif. Welding rod. 2,298,686; Oct. 13.
Davis, Edward A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for debeading tires. 2,298,685; Oct. 13.
Davis, John A., Great Neck, N. Y. Device for exhibiting transparencies. 2,298,754; Oct. 13.
Davis, Russell E. (See Caulk, J. R., Jr., and Davis.)
Davisson, Russell F., Tulsa, Okla. Back water valve. 2,298,551; Oct. 13.
Day and Zimmermann, Incorporated. (See Badenhausen, John P., assignor.)
Dayton Pump and Manufacturing Company, The. (See Eickmeyer, E. E., and Horvath, assignors.)
de Causse, Octave S., New York, N. Y. Electrical process for breaking steel bars. 2,298,528; Oct. 13.
Decino, Alfred, Elberon Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase distortion correction. 2,298,930; Oct. 13.
Degnen, William J. (See Rubin, L. C., Montgomery, and Degnen.)
De Lisle, Harold L., Sheboygan, Wis. Extension device. 2,299,008; Oct. 13.
Delray Manufacturing Company. (See Duffy, Thomas I., assignor.)
Denk, Albert J., Delphi, Ind. Cushioned heel. 2,299,009; Oct. 13.
Dennison, Brook J., Aspinwall, and F. F. Painter, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company. Laminated glass and mounting therefor. 2,298,874; Oct. 13.

De Rose, John P., Albany, Calif. Adjustable seat support. 2,298,351; Oct. 13.
Dessauer, John. (See Yauck, E. C., and Dessauer.)
Detroit Gasket & Mfg. Co. (See Richardson, F. G., and Balfe, assignors.)
Detroit Harvester Company. (See Kost, Harold W., assignor.)
Detroit Hydrostatic Brake Corporation. (See Sauzedde, Claude, assignor.)
Dexter, George E., assignor to Glenwood Range Company, Taunton, Mass. Attachment for slidable drawers in ovens of stoves or ranges. 2,299,052; Oct. 13.
D'Ianni, James D. (See Lichty, Joy G., and D'Ianni.)
Dickinson, Albert, Company, The. (See Hendrickson, Adolph A., assignor.)
Dictaphone Corporation. (See Sherman, Harold T., assignor.)
Differential Wheel Corporation. (See Ash, C. S., and Larsen, assignors.)
Diller, Homer L., Phoenix, Ariz. Apparatus for destroying noxious plants. 2,298,755; Oct. 13.
Dimick, Henry N., assignor to Willamette Hyster Company, Portland, Oreg. Shock absorber for straddle trucks. 2,298,529; Oct. 13.
Disney, Walt, Productions. (See Garity, W. E., and Hawkins, assignors.)
Distillation Products, Inc. (See Hickman, Kenneth C. D., assignor.)
Divco-Twin Truck Company. (See Nicol, John, assignor.)
Dodegge, Carl, Maywood, Ill. Saw blade attachment. 2,298,643; Oct. 13.
Doman, Carl T., Geddes, assignor to Aircooled Motors Corporation, Syracuse, N. Y. Fan construction for air-cooled engines. 2,299,010; Oct. 13.
Donelian, Khatchik O. (See Evans, F. C., and Donelian.)
Douglas Aircraft Company. (See Bruderlin, Henry H., assignor.)
Dow Chemical Company, The. (See Coleman, Gerald H., assignor.)
Dowell, John H., assignor to Adam Hilger Limited, London, England. Coordinate measuring machine. 2,298,875; Oct. 13.
Downes, Edward J., Albany, N. Y. Laundry drier. 2,298,352; Oct. 13.
Drake, Joseph W., et al. (See Peebles, George B., assignor.)
Dreher, Elmer H., Rockville Centre, assignor to Remington Rand Inc., Buffalo, N. Y. Calculating machine. 2,298,353; Oct. 13.
Drennan, Harry E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,298,931; Oct. 13.
Dreshfield, Arthur C., assignor to Hercules Powder Company, Wilmington, Del. Stabilized dry rosin size. 2,298,876; Oct. 13.
Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Manufacture of acetic anhydride. 2,298,354; Oct. 13.
Drummond, Robert S., Detroit, Mich. Gear finishing. 2,298,471; Oct. 13.
Dubofsky, Harry, Brooklyn, and J. Alhadef, Rockaway Beach, N. Y. Reinforcing seam for overnight, bathing, and other bags. 2,298,786; Oct. 13.
Dudley, Victor I., Franklin, Pa., assignor to Joy Manufacturing Company. Conveyer loading device. 2,298,472; Oct. 13.
Duffy, Thomas I., assignor to Delray Manufacturing Company, Detroit, Mich. Pedal for foot propelled vehicles. 2,298,283; Oct. 13.
Dugan, Peter J., Crestwood, N. Y. Electrical timing device. 2,298,687; Oct. 13.
Duhan, Frederick W. (See Gladfelter, W. I., and Duhan.)
Dunlop Rubber Company Limited. (See Taylor, S. D., Madge, and Murphy, assignors.)
Du Pont, E. I., de Nemours & Company. (See Catlin, Willard E., assignor.)
Du Pont, Richard C., Granogue, assignor to All American Aviation, Inc., Wilmington, Del. Transfer pouch. 2,298,688; Oct. 13.
Durant, Lyndon A. (See Williams, H. E., and Durant.)
Duro Test Corporation. (See Babb, Maynard A., assignor.)
Du Vall, Emile M., assignor to R. E. Owens, Chicago, Ill. Self-heading bolt. 2,298,552; Oct. 13.
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Eastman Kodak Company. (See Aldinger, Gustave F., assignor.)
Eastman Kodak Company. (See Bradford, Elmer R., assignor.)
Eastman Kodak Company. (See Brooker, L. G. S., and Sprague, assignors.)
Eastman Kodak Company. (See Brooker, L. G. S., and White, assignors.)
Eastman Kodak Company. (See Burnham, Bradshaw, assignors.)
Eastman Kodak Company. (See Childs, Henry R., assignor.)
Eastman Kodak Company. (See Crumrine, Chester W., assignor.)
Eastman Kodak Company. (See Fitch, Harold L., assignor.)
Eastman Kodak Company. (See Hasche, Rudolph L., assignor.)
Eastman Kodak Company. (See Hood, Henry J., assignor.)
Eastman Kodak Company. (See Hutchison, M. R., and Wehr, assignors.)
Eastman Kodak Company. (See Kenyon, W. O., and Heyl, assignors.)
Eastman Kodak Company. (See McNally, J. G., and Jensen, assignors.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Reid, Charles D., assignor.)
Eastman Kodak Company. (See Sandvik, O., and McLeod, assignors.)
Eastman Kodak Company. (See Thompson, Howard A., assignor.)
Eastman Kodak Company. (See Weissberger, Arnold, assignor.)
Eastman Kodak Company. (See Weissberger, A., and Vanselow, assignors.)
Eastman Kodak Company. (See Wengel, Raymond W., assignor.)
Eberman, Augustus H. (See Sloan, E. C., and Eberman.)
Ebling, Walter, Port Washington, N. Y. Shoe. 2,298,932; Oct. 13.
Edwards, Martin A., Scotia, and F. Mohler, Schenectady, N. Y., assignors to General Electric Company. Control system. 2,298,877; Oct. 13.
Egli, Albert, San Jose, Calif. Weather strip. 2,298,878; Oct. 13.
Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic cracking of hydrocarbons. 2,298,355; Oct. 13.
Ego, George R., Brantford, Ontario, assignor to Massey-Harris Company Ltd., Toronto, Ontario, Canada. Constant height lift for plows. 2,298,553; Oct. 13.
Egry Register Company, The. (See Pfeiffer, William C., assignor.)
Egry Register Company, The. (See Wyrick, Clayton E., assignor.)
Eickmeyer, Earl E., and A. G. Horvath, assignors to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Water softening apparatus. 2,298,356; Oct. 13.
Electric & Musical Industries Limited. (See Cooper, Arthur H., assignor.)
Elgin Manufacturing Company. (See Baldwin, Harold R., assignor.)
Elion, Eduard, Larchmont, N. Y. Treatment of plant tissue. 2,298,933; Oct. 13.
Elsey, Warren R., Wynnewood, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Refrigerator car. 2,298,879; Oct. 13.
Elting, August O., Chicago, Ill. Lamp fixture. 2,298,554; Oct. 13.
Elvin, William J., Frostburg, Md., R. D. Reel, Keyser, W. Va., E. R. Stahl, Meyersdale, Pr., and F. W. Schulte, Cumberland, Md., assignors to Celanese Corporation of America. Package support. 2,298,357; Oct. 13.
Emerson, William S., Urbana, Ill. Reductive alkylation. 2,298,284; Oct. 13.
Emery Industries, Inc. (See Myers, L. D., and Muckerheide, assignors.)
Emley, Philip W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 2,298,617; Oct. 13.
Emmitt, Robert R., assignor of one-third to W. C. Harer, Williamsport, Pa. Making leather flour from waste leather. 2,299,011; Oct. 13.
Ericks, Walter P., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Condensation of polyalkylol guanidine salts. 2,298,473; Oct. 13.
Ericks, Walter P., Cos Cob, and J. H. Williams, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Symmetrical disubstituted alkylol guanidines. 2,299,012; Oct. 13.
Erickson, Charles A., assignor to United Specialties Company, Chicago, Ill. Inverted pump. 2,298,756; Oct. 13.
Erickson, Victor L. (See Callan, T. J., and Erickson.)
Ericson, George R., Kirkwood, Mo., and C. E. Markham, East St. Louis, Ill., assignors to Carter Carburetor Corporation, St. Louis, Mo. Windshield cleaner. 2,298,474; Oct. 13.
Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp'n, Inc., Wilmington, Del. Circuit for molding work pieces. 2,298,358; Oct. 13.
Ernst, Walter, and P. J. Lindner, Mount Gilead, Ohio, assignors to The Hydraulic Development Corporation Inc., Wilmington, Del. Press control. 2,298,359; Oct. 13.
Erny, Frank. (See Czurles, J. S., Erny.)
Evans, Francis S., Dongan Hills, Staten Island, and K. O. Donelian, assignors to The American District Telegraph Company, New York, N. Y. Smoke detection system. 2,298,757; Oct. 13.
Ewing, George W. (See Chandler, D. L., Ewing and Walker.)
Faber, Heinrich. (See Roesner, G., Schuster, von Ravensburg, Faber and Riske.)
Fafnir Bearing Company, The. (See Burt, William G., Jr., assignor.)
Margo, Charles R., Beverly Hills, Calif. Mechanical lead pencil. 2,298,555; Oct. 13.

Farnsworth Television and Radio Corporation. (See Todd, Charles E., assignor.)
Fassin, Gustave, Grosse Point, assignor to International Industries, Inc., Ann Arbor, Mich. Camera. 2,298,787; Oct. 13.
Fechheimer, Paul R., assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio. Machine including means for cleaning containers. 2,298,475; Oct. 13.
Ferris, Anthony, New York, N. Y. Electrical detector base. 2,298,689; Oct. 13.
Ferris, Robert G., assignorto Starline, Inc., Harvard, Ill. Water heater. 2,299,053; Oct. 13.
Ferry, John T., Ilion, assignor to Remington Rand Inc., Buffalo, N. Y. Automatic stop for tabulators. 2,298,558; Oct. 13.
Finch, Leon, Ltd. (See Van Patter, Yates J., assignor.)
Fink, Lawrence R. (See Naylor, W. E., and Fink.)
Fink-Roselieve Co. Inc. (See Naylor, W. E., and Fink assignors.)
Firstenberg, Jacob. (See Reach, Erwin, assignor.)
Fischer, Fred V., Omaha, Nebr. Portable electric lamp. 2,298,758; Oct. 13.
Fitch, Harold L., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic tape dispenser and cutter. 2,298,360; Oct. 13.
Flemming, Walter, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Catalytic oxidation of ketones. 2,299,013; Oct. 13.
Fletcher, George W., San Francisco, Calif. Combined trailer and tent construction. 2,298,530; Oct. 13.
Fletcher, James, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Separator. 2,298,285; Oct. 13.
Foerch, John E. and R. A., Clifton, N. J. Apparatus for forming belting. 2,298,690; Oct. 13.
Foerch, Raymond. (See Foerch, John E. and Raymond.)
Foord, Stanley G. (See Scott, T. R., Webb and Foord.)
Foss, Leonard R. (See Foss, Norman C. and Leonard R.)
Foss, Norman C. and L. R., Oakland, Calif. Light reflecting screen. 2,298,556; Oct. 13.
Foster, Miles T., Milwaukee, Wis. Spray nozzle. 2,298,934; Oct. 13.
Foster Wheeler, Corporation. (See Frisch, Martin, assignor.)
Foster, William D., Mineola, assignor to Manifold Supplies Company, Brooklyn, N. Y. Transfer duplicating sheet. 2,299,014; Oct. 13.
Fourness, Charles A., Appleton, and R. A. Moravek, Neenah, assignors to Paper Patents Company, Neenah, Wis. Creped wadding re-expanders. 2,298,531; Oct. 13.
Fouse, Frederick Z., Weirton, W. Va. Coil handling apparatus. 2,298,759; Oct. 13.
Franich, Mathew, Redondo Beach, Calif. Tobacco mixture. 2,298,532; Oct. 13.
Frede, Charles F., University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,298,286; Oct. 13.
Fredholm, Henry M., Midlothian, Ill. Automobile door lock. 2,298,559; Oct. 13.
Freeman, George A., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor lamp power factor correction. 2,298,935; Oct. 13.
Freund, Elizabeth A., New York, N. Y. Ice or hot water breast bag. 2,298,361; Oct. 13.
Friedman, Harry, et al. (See Sandor, Louis K., assignor.)
Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Apparatus for treating steam. 2,298,287; Oct. 13.
Fuller, Everett W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition. 2,298,557; Oct. 13.
Gabel, John, Manufacturing Company, The. (See Mueller, Emil C., assignor.)
Galvin Manufacturing Corporation. (See Mitchell, Donald H., assignor.)
Gambrell, Ernest C., Wichita Falls, Tex. Fuel injection pump. 2,298,936; Oct. 13.
Gambrill, Howard, Jr., Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Protected blade. 2,298,362; Oct. 13.
Ganz, Henry, Ridgefield Park, assignor to Johnson & Johnson, New Brunswick, N. J. Wrapping first aid dressings. 2,298,363; Oct. 13.
Garber, Hayden S., et al. (See Callender, William L., assignor.)
Gardner, Christopher S. (See Alley, S. E., Gardner and Alley.)
Garity, William E., and J. N. A. Hawkins, Los Angeles, assignors to Walt Disney Productions, Burbank, Calif. Sound reproducing system. 2,298,618; Oct. 13.
Gartenmeister, Walter, Bergfeld, Germany; vested in the Alien Property Customdian. Rotation symmetric reflector. 2,298,880; Oct. 13.
Gas Products Corporation. (See Parker, Claude E., assignor.)
Gebhardt, Hans T. (See Griffin, H. L., Robb, Titus and Gebhardt.)
Geissbugler, Hannah T. (See Roberts, W. A., and Geissbuhler.)
General Aniline & Film Corporation. (See Flemming, Walter, assignor.)
General Aniline & Film Corporation. (See Trump, Frederick O., assignor.)
General Electric Company. (See Anderson, Arvid E., assignor.)
General Electric Company. (See Balz, H. W., and Hemphill, assignors.)
General Electric Company. (See Bartelink, Everhard H. B., assignor.)
General Electric Company. (See Burnett, Robert E., assignor.)
General Electric Company. (See Chase, Delmar D., assignor.)
General Electric Company. (See Cook, Leonard W., assignor.)
General Electric Company. (See Cooke, James W., assignor.)
General Electric Company. (See Darley, William G., assignor.)
General Electric Company. (See Edwards, M. A., and Mohler, assignors.)
General Electric Company. (See Hull, Albert W., assignor.)
General Electric Company. (See Larrecq, Anthony J., assignor.)
General Electric Company. (See Leonard, Vincent W., assignor.)
General Electric Company. (See Macintyre, John R., assignor.)
General Electric Company. (See Mahoney, Bettram W., assignor.)
General Electric Company. (See McDougal, Kenneth R., assignor.)
General Electric Company. (See McKibben, R. H., and Dart, assignors.)
General Electric Company. (See Paxton, Robert, assignor.)
General Electric Company. (See Pellmann, Rudolf, assignor.)
General Electric Company. (See Rhoads, James C., assignor.)
General Electric Company. (See Roberts, W. A., and Geissbuhler, assignors.)
General Electric Company. (See Scott, W. J., and Davies, assignors.)
General Electric Company. (See Skinner, Charles K., assignor.)
General Electric Company. (See Stewart, Clyde E., assignor.)
General Electric Company. (See Thumin, C., and Boisseau, assignors.)
General Electric X-Ray Corporation. (See Atlee, Zed J., assignor.)
General Motors Corporation. (See Bluemle, Arbold A., assignor.)
General Motors Corporation. (See Hegeman, Franklyn P., assignor.)
General Motors Corporation. (See Hill, R. H., and Goodwin, assignors.)
General Motors Corporation. (See Schiff, Robert, assignor.)
General Railway Signal Company. (See Judge, Thomas J., assignor.)
General Railway Signal Company. (See Little, Robert J., assignor.)
General Railway Signal Company. (See Mackey, Stuart J., assignor.)
General Steel Castings Corporation. (See Charles F. Frede, assignor.)
Gerrard Company, The. (See Barker, Ernest C., assignor.)
Gerrish, Harold C., and J. G. Reuter, Hampton, Va. Mixture ratio indicator. 2,298,288; Oct. 13.
Gibbs, Carlin F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Antioxidant. 2,298,881; Oct. 13.
Gilbert, Benjamin D., New York, N. Y. Inking pad. 2,298,760; Oct. 13.
Giles, Detroy R., Kansas City, Kans. Signal. 2,298,692; Oct. 13.
Gillette Safety Razor Company. (See Gambrill, Howard, Jr., assignor.)
Gilmers, L. H., Co. (See Case, Richard Y., assignor.)
Gilmore, Otto C., Van Nuys, Calif., assignor to Cosmocolor Corporation, New York, N. Y. Color photography. 2,299,015; Oct. 13.
Gits, Joseph A. and J. P., assignors to Gits Molding Corporation, Chicago, Ill. Molded name plate. 2,298,364; Oct. 13.
Gits, Joseph A. and J. P., assignors to Gits Molding Corporation, Chicago, Ill. Molding name plates. 2,298,365; Oct. 13.
Gits, Jules P. (See Gits, J. A. and J. P.)
Gits Molding Corporation. (See Gits, J. A. and J. P., assignors.)
Given, Samuel. (See Rivers, Earl A., assignor.)
Gladfelter, Wiltie I., and F. W. Duhan, Philadelphia, Pa., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Trimming machine. 2,298,366; Oct. 13.
Glaude, Leopold F., Chicago, Ill. Lapping tool. 2,298,367; Oct. 13.
Glenwood Range Company. (See Dexter, George E., assignor.)

Goebel, George, and S. A. Chantland, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Calipering mechanism. 2,298,368; Oct. 13.
Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Televisible guiding system. 2,298,476; Oct. 13.
Goodman Manufacturing Company. (See Bigelow, Roy S., assignor.)
Goodman Manufacturing Company. (See Lindgren, Frank A., assignor.)
Goodrich, B. F., Company, The. (See Davis, Edward A., assignor.)
Goodrich, B. F., Company, The. (See Gibbs, Carlin F., assignor.)
Goodspeed Machine Company. (See Rice, Theron A., assignor.)
Goodwin, Richard M. (See Hill, R. H., and Goodwin.)
Goossen, Henry H. (See Proudman, C. F., and Goossen.)
Gordon, James H., Jr., Geneva, assignor to American Can Company, New York, N. Y. Coating machine. 2,298,289; Oct. 13.
Gorton, Ralph W., St. Albans, Vt. Camping equipment. 2,298,619; Oct. 13.
Grady, Charles B., Sky Top, Pa. Smoker's combination apparatus. 2,298,826; Oct. 13.
Grant, Arthur C., St. Paul, assignor to Minneapolis-Honeywell Regulator Company. Combustion control. 2,298,825; Oct. 13.
Gray, Gordon E., Western Springs, assignor to D. T. Siegel, Wheaton, Ill. Electric motor. 2,298,735; Oct. 13.
Greaves, Valentine F., Oakland, Calif. Lantern slide carrier. 2,298,369; Oct. 13.
Green, James H., West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Method and machine for securely clamping filaments to leads. 2,298,937; Oct. 13.
Greenlee, Harry R., assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 2,298,477; Oct. 13.
Greggains, William R., Rome, N. Y. Fish lure. 2,298,691; Oct. 13.
Griffin, Charles B., Jr., Lansdowne, Pa., and A. F. Schuch, Wyandotte, Mich., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Vent for containers. 2,298,938; Oct. 13.
Griffin, Harry L., Rockville Centre, A. R. Robb, Valley Stream, N. Y., R. W. Titus and H. T. Gebhardt, Marysville, Ohio, assignors to Nestle's Milk Products, Inc., New York, N. Y. Sterilizing milk or other food products. 2,298,693; Oct. 13.
Griffith-Hope Company. (See Hope, Samuel N., assignor.)
Griffiths, John B., A. Brown, and E. J. Tervet, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Train describer and platform indicator. 2,298,939; Oct. 13.
Grimsley, Leopold C. (See Rothenberg, H., and Grimsley.)
Grogg, Edgar P. (See Cross, C. F., and Grogg.)
Grunwald, Albert C., River Forest, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Stop mechanism for dispensing cabinets. 2,298,882; Oct. 13.
Gruse, William A. (See Stevens, D. R., and Gruse.)
Guarnaschelli, Stephen, St. Albans, assignor to Packless Metal Products Corporation, New York, N. Y. Steam buck or pressing machine. 2,298,478; Oct. 13.
Gubisch, Erwin A. (See Burcky, C. W., and Gubisch.)
Gulf Oil Corporation. (See Smith, Herschel G., assignor.)
Gulf Oil Corporation. (See Stevens, D. R., and Gruse, assignors.)
Haag, Albert C., Oxford, Ohio. Reducing valve. 2,298,370; Oct. 13.
Hadden, Callender F., New Orleans, La. Control device. 2,298,761; Oct. 13.
Hagemeyer, Henry F., assignor to Castings Patent Corporation, Chicago, Ill. Mold and mold form. 2,299,016; Oct. 13.
Haislip, Albert S., Fredericksburg, Va. Fishing pole holder and harness therefor. 2,298,694; Oct. 13.
Haling, Otto W., Rochester, Minn. Piston ring. 2,298,371; Oct. 13.
Hall, Marchand B., assignor to Acme Visible Records, Inc., Chicago, Ill. Visible record system. 2,298,290; Oct. 13.
Hall, Nathan I., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selecting system. 2,298,695; Oct. 13.
Hallead, Mervil, assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio. Preparing collapsible tubes for sealing. 2,298,479; Oct. 13.
Haloid Company, The. (See Yauck, E. C., and Dessauer, assignors.)
Ham, Hughey, Farmerville, La. Movable stop. 2,298,372; Oct. 13.
Hanovia Chemical and Manufacturing Company. (See Anderson, William T., Jr., assignor.)
Hansen Mfg. Company. (See Hansen, W. L., and Hurst, assignors.)
Hansen, William L., and I. N. Hurst, assignors to Hansen Mfg. Company, Inc., Princeton, Ind. Slow speed synchronous motor. 2,298,373; Oct. 13.
Harding, William G. (See Nisbet, R. H., and Harding.)
Harer, W. Clyde. (See Emmitt, Robert R., assignor.)
Harithas, Nicolaus, et al. (See Chase, Stanley H., assignor.)
Harper-Wyman Company. (See Lamar, Charles C., assignor.)
Harpfer, Donald E., Arkon, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Flanged hose. 2,298,736; Oct. 13.
Harrington, Edward L., assignor to Blaw-Knox Company, Pittsburgh, Pa. Head sheave block for clamshell bucket or the like. 2,298,788; Oct. 13.
Harrington, Paul J., Fanwood, N. J., assignor to Standard Oil Development Company. Solvent treating of mineral oils. 2,298,791; Oct. 13.
Harris, Clara F., Kansas City, Mo. Lipstick. 2,298,620 Oct. 13.
Harris, Henry H., Champaign, Ill. Carburizing container. 2,298,883; Oct. 13.
Harris, Jay C. (See Samaras, N. N. T., and Harris.)
Harris, Jay C., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Detergent composition. 2,298,696; Oct. 13.
Harrison, Robert R., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Clamp. 2,298,560; Oct. 13.
Harshaw Chemical Company, The. (See Harshaw, W. J., and Long, assignors.)
Harshaw, William J., Shaker Heights, and K. E. Long, South Euclid, assignors to The Harshaw Chemical Company, Elyria, Ohio. Electroplating. 2,299,054; Oct. 13.
Hartmann, William M., assignor to C. D. Osborn Co., Chicago, Ill. Double cut right and left fourchette die. 2,298,374; Oct. 13.
Hartung, Walter H., Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Alkyl catechol. 2,298,291; Oct. 13.
Harvey, Harold C., Sturgis, Mich. Protective closure. 2,298,480; Oct. 13.
Hasche, Rudolph L., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of nitro compounds. 2,298,375; Oct. 13.
Hauge, Andrew, Claremont, N. H., assignor to Claremont Waste Manufacturing Company. Flock cutter. 2,298,292; Oct. 13.
Hausknecht, Elmer J. (See Kirchner, E. A., Sherman and Hausknecht.)
Hawkins, John N. A. (See Garity, W. E., and Hawkins.)
Hawley, Jesse B. (See Sloan, E. C., and Eberman, assignors.)
Hayes, Howard W., Belmar, N. J. Display device. 2,298,940; Oct. 13.
Hayes, James H., New York, N. Y. Fishing reel. 2,298,481; Oct. 13.
Hegeman, Franklyn P., Union, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding wheel dressing. 2,298,762; Oct. 13.
Heim, Jacob G., San Gabriel, Calif. Pipe cutting apparatus. 2,299,063; Oct. 13.
Hemphill, Lawrence F. (See Belz, H. W., and Hemphill.)
Hendrickson, Adolph A., Oak Park, assignor to The Albert Dickinson Company, Chicago, Ill. Bacteria culture and production thereof. 2,298,561; Oct. 13.
Henroteau, François C. P., Ottawa, Ontario, Canada. Method and apparatus for hindering interference with wireless transmission of messages. 2,298,562; Oct. 13.
Hentrich, Winfrid, Rodleben, near Dessau-Rosslau, Anhalt, and E. Schirm, Dessau, Anhalt, Germany, assignors, by mesne assignments, to "Unichem" Chemikalien Handels, A.-G., Zurich, Switzerland. Capillary active condensation product. 2,298,533; Oct. 13.
Hercules Powder Company. (See Dreshfield, Arthur C., assignor.)
Herman, Kenneth R. (See Vickers, H. F., and Herman.)
Herr, Richard F., and A. Carnie, assignors to Trucson Steel Company, Youngstown, Ohio. Cloth backed plaster reinforcing. 2,298,376; Oct. 13.
Herrmann, George M., Ridgewood, N. J. Elasticized shoe construction and shoe gore therefor. 2,298,941; Oct. 13.
Hersch, Herman, Cleveland, Ohio. Carbureting device. 2,298,563; Oct. 13.
Herzog, John H., Brooklyn, N. Y. Window wiper. 2,298,763; Oct. 13.
Heyl, George V. (See Kenyon, W. O., and Heyl.)
Hickman, Kenneth C. D., Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum distillation from moving surfaces and apparatus therefor. 2,298,377; Oct. 13.
Hicks, John R., Sargents, Colo. Rock drill. 2,298,792; Oct. 13.
Hicks, Victor, Flushing, and E. E. Merkel, New York, N. Y., assignors to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Biplanar fluoroscopic and radiographic equipment. 2,298,942; Oct. 13.
Hilger, Adam, Limited. (See Dowell, John H., assignor.)
Hill, Robert H., Anderson, and R. M. Goodwin, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Nonoverfill device. 2,298,789; Oct. 13.
Hinshaw, Foster A. (See Boghosian, W. H., Hinshaw, and Och.)
Hobson, Lloyd L., Marshall, assignor of one-half to H. S. Toy, Detroit, Mich. Abrasive control unit. 2,298,564; Oct. 13.
Hodges, Lucian S., Richmond, Va. Service station pump island. 2,298,378; Oct. 13.

Hoffman, Allan C., Millidale, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn. Expander tool for couplings. 2,298,379; Oct. 13.

Hoffman, Allan C., Millidale, and J. V. MacDonald, Oakville, assignors to Scovill Manufacturing Company, Waterbury, Conn. Expander tool for one time couplings. 2,299,055; Oct. 13.

Hoffman, Gertrude M., Omaha, Nebr. Clamp device for hair tinting. 2,299,017; Oct. 13.

Hoffman, Gertrude M., Omaha, Nebr. Clamp device for hair tinting. 2,299,018; Oct. 13.

Hoffman, Herbert E., Brooklyn, N. Y. Foldable and suspendable rack for shoes or the like. 2,299,021; Oct. 13.

Hofmann, George, assignor to American Locker Company, Inc., Boston, Mass. Lock. 2,298,697; Oct. 13.

Hofmann, George, assignor to American Locker Company, Inc., Boston, Mass. Lock. 2,298,698; Oct. 13.

Hofmann, Victor E. (See Moreland, S. T., Hofmann, and Tracy.)

Holland-Letz, John, Crown Point, Ind., assignor to The Letz Manufacturing Company. Liquid pressure control for roughage mills. 2,298,482; Oct. 13.

Holland-Letz, Ludwig, Crown Point, Ind. Electrical step motor uniform step movement. 2,298,621; Oct. 13.

Holland-Letz, Ludwig, Crown Point, Ind. Uniform step producing thermostat for energizing step temperature regulator systems. 2,298,622; Oct. 13.

Holmes, August, Cranford, N. J., assignor to Standard Oil Development Company. Bituminous paint. 2,298,793; Oct. 13.

Holzworth, Charles R., North Tonawanda, N. Y. Producing pig iron. 2,298,483; Oct. 13.

Hood, Henry J., assignor to Eastman Kodak Company, Rochester, N. Y. Tripod leg and clamping means therefor. 2,298,380; Oct. 13.

Hope, Samuel N., Wauwatosa, assignor to Griffith-Hope Company, West Allis, Wis. Cup dispensing device. 2,298,884; Oct. 13.

Horlacher, Albert F., Genoa, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Sound translating device. 2,298,764; Oct. 13.

Horton, Erwin C., Hamburg, and A. Rappl, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,298,484; Oct. 13.

Horvath, Anthony G. (See Eickmeyer, R. E., and Horvath.)

Horwitz, Albert, El Paso, Tex. Trousers. 2,298,381; Oct. 13.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,298,293; Oct. 13.

Houdaille-Hershey Corporation. (See Knobel, Max, assignor.)

Houdaille-Hershey Corporation. (See Magrum, Gervase M., assignor.)

Howard, Perlie E., Nashua, N. H. Reclaiming wax from waste waxed paper. 2,298,943; Oct. 13.

Howe, Andrew F., University City, Mo. Mechanism for forming concrete slabs. 2,299,019; Oct. 13.

Howell, Lynn G., Houston, Tex., assignor to Standard Oil Development Company. Well logging. 2,298,794; Oct. 13.

Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translation device. 2,298,699; Oct. 13.

Huber, J. M., Corporation. (See Williams, Ira, assignor.)

Hughes, Everett C., assignor to The Standard Oil Company, Cleveland, Ohio. Fractional distillation. 2,298,294; Oct. 13.

Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Producing high density sintered products. 2,298,885; Oct. 13.

Hummel, Charles, Niederuzwil, assignor to Gebrüder Rühler, Uzwil, Switzerland. Method of and device for the production of food paste articles. 2,298,644; Oct. 13.

Humphreys, William, Fullerton, assignor, by mesne assignments, to The Pennsylvania Company for Insurance on Lives and Granting Annuities, Philadelphia, Pa. Electric controlling apparatus. 2,299,056; Oct. 13.

Hunting, David D., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Chair back. 2,298,886; Oct. 13.

Hurst, Ira N. (See Hansen, W. L., and Hurst.)

Hussman-Ligonier Company. (See Caulk, J. R., Jr., and Davis, assignors.)

Hutchinson, Miller R., Jr., and A. L. Wehr, assignors to Eastman Kodak Company, Rochester, N. Y. Camera shutter speed controller and switch. 2,298,382; Oct. 13.

Hyatt, Charles S., and J. C. Lowman, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio. Coated glass fabric. 2,298,295; Oct. 13.

Hyatt, Elmer, Cleveland, Ohio. Razor or knife construction. 2,298,944; Oct. 13.

Hyatt, Elmer, Cleveland, Ohio. Combination billfold and purse. 2,298,945; Oct. 13.

Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)

Hydraulic Brake Company. (See Swift, Harvey C., assignor.)

Hydraulic Development Corp'n Inc., The. (See Ernst, Walter, assignor.)

Hydraulic Development Corporation Inc., The. (See Ernst, W., and Lindner, assignors.)

Hydraulic Development Corporation, Inc., The. (See Lindner, Philip J., assignor.)

Hyman, Henry. (See Rothenberg, H., and Grimsley, assignors.)

Hyndman, Meade, St. Louis, Mo. Foldable cardboard box. 2,298,565; Oct. 13.

Hyster, Williamette, Company. (See Dimick, Henry N., assignor.)

Industrial Patents Corporation. (See Lager, Eric W., assignor.)

Ingwer, Max, Forest Hills, assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y. Presser foot. 2,298,296; Oct. 13.

Institute of Paper Chemistry, The. (See Wells, Sidney D., assignor.)

International Cigar Machinery Company. (See Clausen, Siguard, assignor.)

International Engineering, Inc., The. (See McElroy, Roy H., and Mumma, assignors.)

International Harvester Company. (See Baker, David B., assignors.)

International Harvester Company. (See Benjamin, Bert R., assignor.)

International Harvester Company. (See Lyle, James E., assignor.)

International Harvester Company. (See Morkoski, James, assignor.)

International Harvester Company. (See Mott, Carl W., assignor.)

International Harvester Company. (See Mott, C., W. and Morkoski, assignors.)

International Harvester Company. (See Welty, Albert B., assignor.)

International Industries, Inc. (See Fassin, Gustave, assignor.)

International Standard Electric Corporation. (See Beatty, William A., assignor.)

International Standard Electric Corporation. (See Griffiths, J. B., Brown and Tervet, assignors.)

International Standard Electric Corporation. (See Litton, Charles V., assignor.)

International Standard Electric Corporation. (See Scott, T. R., Webb and Foord, assignors.)

Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,298,383; Oct. 13.

Ivers-Lee Company. (See Salfisberg, Leroy L., assignor.)

Jackes, Herman D., Jr., Bloomfield, N. J., assignor to Wright Aeronautical Corporation. Transmission. 2,298,645; Oct. 13.

Jacob, Frederick N., assignor to Johnson Laboratories, Inc., Chicago, Ill. Radio receiver. 2,298,297; Oct. 13.

Jalbert, Adrien L., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in making prewelt shoes. 2,298,384; Oct. 13.

James Cyril H. (See Line, H. and James.)

James, Leo B. (See Shinn, G. M., and James.)

Janning, Georg. (See Stauf, F. W., and Janning.)

Jantzen, Paul A., Newark, N. J. Connector device. 2,298,385; Oct. 13.

Jasco, Incorporated. (See Muessig, Clifford W., assignor.)

Jasco, Incorporated. (See Pyner, R. L., and Paulsen, assignors.)

Jasco, Incorporated. (See Skooglund, Arthur C., assignor.)

Jasco, Incorporated. (See Turner, Luther B., assignor.)

Jasco, Incorporated. (See Wright, Donald L., assignor.)

Jennings, Chester S., Syracuse, assignor, by mesne assignments, to Lamson Corporation, De Witt, N. Y. Conveyer chain. 2,298,386; Oct. 13.

Jensen, Edgar C. (See McNally, J. G., and Jensen.)

Joesting, Frederick D., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Humidity controller. 2,298,827; Oct. 13.

Johnson, Albert, New York, N. Y. Spray attachment for hose nozzles. 2,298,765; Oct. 13.

Johnson, Bror A. E., Alsten, Sweden, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden. Attachment for filling machines. 2,299,064; Oct. 13.

Johnson, Charles S., assignor to The C. S. Johnson Company, Champaign, Ill. Rotary scoop type machine for handling bulk materials. 2,298,566; Oct. 13.

Johnson, C. S., Company, The. (See Johnson, Charles S., assignor.)

Johnson, George H., Los Angeles, Calif. Tire mold. 2,298,485; Oct. 13.

Johnson & Johnson. (See Ganz, Henry, assignor.)

Johnson & Johnson. (See Schreiber, Frederick W., assignor.)

Johnson Laboratories, Inc. (See Jacob, Frederick N., assignor.)

Johnson Laboratories, Inc. (See Schaper, William A., assignor.)

Johnson, Walter H., assignor to Union Special Machine Company, Chicago, Ill. Closure hinge means. 2,298,767; Oct. 13.

Jones, Jefferson L., Brookline, Mass. Vegetable peeling apparatus. 2,299,020; Oct. 13.

Jongedyk, Ralph, Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Stripper for extruding apparatus. 2,298,887; Oct. 13.

Jorgensen, Carther M., assignor to Underwood Electric & Mfg. Co., Inc., Chicago, Ill. Electric condenser. 2,298,766; Oct. 13.

Joy Manufacturing Company. (See Arentzen, Einar M., assignor.)

Joy Manufacturing Company. (See Dudley, Victor I., assignor.)

Joy, Milton F., Green Island, N. Y., and E. E. Shepardson, East Providence, R. I., assignors to Colvinex Corporation, New York, N. Y. Electrically heated garment. 2,298,298; Oct. 13.

Joy, Milton F., Green Island, N. Y., and E. E. Shepardson, East Providence, R. I., assignors to Colvinex Corporation, Cohoes, N. Y. Electrically heated boot. 2,298,299; Oct. 13.

Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Switch and signal control system for railroads. 2,298,946; Oct. 13.

Judson, Albert L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switching mechanism. 2,298,795; Oct. 13.

Junkins, Raymond D., Cleveland Heights, Ohio, T. C. Toomey, West New Brighton, N. Y., and C. S. Smith, Westfield, said Junkins assignor to Bailey Meter Company, and said Toomey and Smith assignors to The Babcock & Wilcox Company, Newark, N. J. Superheater and reheat control. 2,298,700; Oct. 13.

Jurgensen, Reynold P., and A. G. Rohwer, assignors to Clinton Company, Clinton, Iowa. Steep water treatment. 2,298,623; Oct. 13.

Kalish, Emanuel, New York, N. Y. Electric motor. 2,298,701; Oct. 13.

Kapella Limited. (See Warmisham, A., and Reason, assignors.)

Kattermann, Emil D., Dover, and E. P. Scriggins, East Orange, assignors to Swiss Knitting Company, Dover, N. J. Foundation garment. 2,298,737; Oct. 13.

Kaufmann, Frank J., Tribes Hill, N. Y. Warp knitting. 2,298,888; Oct. 13.

Kawneer Company, The. (See Miller, James T., assignor.)

Kaye, Earl C., Evanston, Ill. Applicator and container. 2,298,534; Oct. 13.

Kayser, Julius & Co. (See Mack, Sterling C., assignor.)

Kearney, Louis L., Oakland, Calif., assignor to American Smelting and Refining Company, New York, N. Y. File for papers and the like. 2,298,889; Oct. 13.

Keith, Percival C., Jr., Peapack, assignor to The Polymerization Process Corporation, Jersey City, N. J. Hydrocarbon conversion. 2,298,702; Oct. 13.

Keithman, John F., Hebron, assignor of one-half to J. I. Smith, Wheeler, Ind. Punchboard protector. 2,298,486; Oct. 13.

Kell, Ray D., Haddonfield, N. J., assignor to Radio Corporation of America. Method and apparatus for picture transmission. 2,298,796; Oct. 13.

Kell, Ray D., Haddonfield, N. J., assignor to Radio Corporation of America. Television transmitter. 2,298,797; Oct. 13.

Kellogg, M. W., Company, The. (See Rubin, L. C., Montgomery, and Degnen, assignors.)

Kellogg Switchboard and Supply Company. (See Kiner, Glenn, assignor.)

Kelly, Judson, Rivera, E. W. Ostrom, Pasadena, and G. H. Williams, Huntington Park, assignors to Axelson Manufacturing Co., Los Angeles, Calif. Pump anchor. 2,298,567; Oct. 13.

Kenyon, William O., and G. V. Heyl, assignors to Eastman Kodak Company, Rochester, N. Y. Oxidation process. 2,298,387; Oct. 13.

Kester, George B., Tingley, Iowa. Snow plow. 2,298,768; Oct. 13.

Key, Elmer A., Rocky River, and R. E. Baker, assignors to The Airetool Mfg. Company, Springfield, Ohio. Expanding and flaring tool. 2,298,703; Oct. 13.

Kiefer, Karl, Machine Company, The. (See Fechheimer, Paul R., assignor.)

Kiefer, Karl, Machine Company. (See Hallead, Mervil, assignor.)

Kimmich, Elmer G., and J. L. Cutler, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Flanged hose. 2,298,738; Oct. 13.

Kinard, Luther M., Fort Worth, Tex. Air separator. 2,299,022; Oct. 13.

Kiner, Glenn, Markham, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Credit-authorization telephone system. 2,298,487; Oct. 13.

Kiner, Glenn, Markham, and N. H. Saunders, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Special-service automatic telephone system. 2,298,488; Oct. 13.

Kiner, Glenn, Markham, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Group-call telephone system. 2,298,489; Oct. 13.

Kirchner, Edwin A., J. D. Sherman, and E. J. Hausknecht, Chicago, Ill. Rider display. 2,298,769; Oct. 13.

Kirsch Company. (See McKerlie, George F., assignor.)

Klassen Company, The. (See Klassen, Edward J., assignor.)

Klassen, Edward J., assignor to The Klassen Company, Los Angeles, Calif. Display case. 2,298,790; Oct. 13.

Klein, Victor G. (See Barks, F. S., and Klein.)

Klemm, Michael A., South Ozone Park, N. Y. Game construction. 2,298,300; Oct. 13.

Klockau, William F., Moline, Ill. Oil burner apparatus. 2,298,745; Oct. 13.

Knobel, Max, Cambridge, Mass., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Laminated field structure. 2,298,388; Oct. 13.

Knox, Samuel L. G., Englewood, N. J., assignor to Lamson Corporation, Syracuse, N. Y. Industrial conveyer system. 2,298,704; Oct. 13.

Knutson, Amos T., Midland, Mich., assignor to The Lubri-Zol Corporation, Wickliffe, Ohio. Lubricant and method of lubricating. 2,298,301; Oct. 13.

Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Price marking tag. 2,298,705; Oct. 13.

Kost, Harold W., Birmingham, assignor to Detroit Harvester Company, Detroit, Mich. Sheet metal fastener. 2,298,568; Oct. 13.

Kothny, Gottdank L., Strafford, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Method and apparatus for orienting tools. 2,298,706; Oct. 13.

Krag, Harry W., Vinita Park, assignor to American Shoe Machinery and Tool Company, St. Louis, Mo. Drive mechanism. 2,298,535; Oct. 13.

Kucera, Frank A., assignor to Union Special Machine Company, Chicago, Ill. Presser foot for sewing machines. 2,298,770; Oct. 13.

Kuhn, Richard, and G. Wendt, Heidelberg, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Ether derivatives of vitamin B_6 and making the same. 2,298,490; Oct. 13.

Labisky, Arthur H., assignor to The Barton Corporation, West Bend, Wis. Washing machine. 2,298,624; Oct. 13.

Lager, Eric W., Palos Park, assignor to Industrial Patents Corporation, Chicago, Ill. Refrigerated vehicle. 2,298,569; Oct. 13.

Lamar, Charles C., assignor to Harper-Wyman Company, Chicago, Ill. Gas valve. 2,298,771; Oct. 13.

Lamar, Emil, Berkeley, Calif. Garment drying hanger. 2,298,491; Oct. 13.

Lamson Corporation. (See Jennings, Chester S., assignor.)

Lamson Corporation. (See Knox, Samuel L. G., assignor.)

Lane, Harold, and C. H. James, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Assembling machine. 2,298,389; Oct. 13.

Larose, Anna M., The Pas, Manitoba, Canada. Attachment for typewriters. 2,298,742; Oct. 13.

Larrecq, Anthony J., Indianapolis, Ind., assignor to General Electric Company. Elastic fluid power plant. 2,298,625; Oct. 13.

Larsen, Louis A. (See Ash, C. S., and Larsen.)

Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,298,390; Oct. 13.

Lazna, James J., Cleveland Heights, Ohio. Photographic enlarger. 2,298,741; Oct. 13.

Leathers, Chester F., Chillicothe, Ohio, assignor to Weltronic Corporation, Detroit, Mich. Electric timer. 2,298,570; Oct. 13.

Lee, Paul R. (See Clark, E. K., and Lee.)

Leechgrip Company. (See Spencer, Herman J., assignor.)

Leister, Hattie T. (See Sullivan, C. J., and Leister.)

Lense, H. E. (See Siegel, David T., and Lense (assignor).)

Leonard, Vincent W., Saugus, Mass., assignor to General Electric Company. Electric switch mechanism. 2,298,890; Oct. 13.

Letz Manufacturing Company, The. (See Holland-Letz, John, assignor.)

Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Luminescent lamp. 2,298,947; Oct. 13.

Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Producing finely divided material. 2,298,948; Oct. 13.

Le Vesconte, Haroid J. (See Christensen, N. V., Le Vesconte, Sauer, and Quist.)

Levine, Max. (See Shillinglaw, C. A., and Levine.)

Lewellen, Darcy E. and E. F., Columbus, Ind. Variable speed transmission. 2,298,395; Oct. 13.

Lewellen, Emmons F. (See Lewellen, D. E. and E. F.)

Lewis, Arthur J., Stratford, Conn., assignor to Remington Arms Company, Inc. Wad forming machine. 2,298,391; Oct. 13.

Lewis, Warren K., Newton, Mass., and T. V. Moore, Houston, Tex., assignors to Standard Oil Development Company. Producing gaseous oxides of solid metalloids. 2,298,798; Oct. 13.

Liberty Can and Sign Company. (See Rueger, Herman W., assignor.)

Lichtor, Samuel P., Kansas City, Mo. Removably positioning wall coverings. 2,298,743; Oct. 13.

Lichty, Joy G., Stow, and J. D. D'Ianni, assignors to Wingfoot Corporation, Akron, Ohio. Alpha haloacrylonitriles. 2,298,739; Oct. 13.

Liebknecht Otto, Potsdam-Babelsberg, Germany, assignor to The Permutit Company, New York, N. Y. Process for removing dissolved silica from water. 2,298,707; Oct. 13.

Liermann, Adolf, Philadelphia, Pa. Flag holder. 2,298,744; Oct. 13.

Lincoln Engineering Company. (See Barks, F. S., and Klein, assignors.)
Lindberg, Harold L., assignor to The Shaw-Walker Company, Muskegon, Mich. Guide card with index-insert pocket. 2,298,571; Oct. 13.
Lindgren, Frank A., Western Springs, assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. 2,298,392; Oct. 13.
Lindner, Philip J. (See Ernst, W., and Lindner.)
Lindner, Philip J., Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Fluid operated slow-down machanism for presses. 2,298,393; Oct. 13.
Line Material Company. (See Schultz, William O., assignor.)
Little, Robert J., Gates, assignor to General Railway Signal Company, Rochester, N. Y. Relay. 2,298,572; Oct. 13.
Little, Robert J., Gates, assignor to General Railway Signal Company, Rochester, N. Y. Electrical contact control device. 2,298,573; Oct. 13.
Littlefield, Leo C., Clarion, Iowa. Sickle sharpener. 2,298,394; Oct. 13.
Litton, Charles V., Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Radial form ultra-high frequency tube. 2,298,949; Oct. 13.
Litton, Charles V., Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Demountable electron discharge tube. 2,298,950; Oct. 13.
Lockart, Edward P., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Wall tile clip. 2,298,740; Oct. 13.
Lockhart, Marshall L., Ossining, N. Y. Camera structure. 2,298,574; Oct. 13.
Lockhead, Elmer C., Moberly, Mo. Roll top stocking. 2,298,708; Oct. 13.
Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,298,536; Oct. 13.
Lohr, Raymond J., and R. N. Carver, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Bombing airplane toy. 2,298,951; Oct. 13.
Long, Bernard, Paris, France, assignor to The American Securit Company, Wilmington, Del. Apparatus for tempering glass. 2,298,709; Oct. 13.
Long, Kenneth E. (See Harshaw, W. J., and Long.)
Longfield, William F., assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio. Automatic controlling apparatus for strip feeding mechanism. 2,298,492; Oct. 13.
Lorentzen, Hans K., Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind tilter. 2,298,891; Oct. 13.
Lorentzen, Hans K., Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind hold-down bracket, etc. 2,298,892; Oct. 13.
Lorentzen, Hans K., Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind cord lock. 2,298,952; Oct. 13.
Lorentzen, Hans K., Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind tilt bay bracket. 2,298,953; Oct. 13.
Lorentzen Hardware Mf'g. Corp. (See Lorentzen, Hans K., assignor.)
Lowman, John C. (See Hyatt, C. S., and Lowman.)
Lubri-Zol Corporation, The. (See Knutson, Amos T., assignor.)
Lubri-Zol Corporation, The. (See Prutton, Carl F., assignor.)
Lyle, James E., Canton, Ill., assignor to International Harvester Company. Squadron hitch. 2,298,537; Oct. 13.

MacDonald, James V. (See Hoffman, A. C., and MacDonald.)
MacIntire, Walter H., Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Producing anhydrous magnesium sulphate. 2,298,493; Oct. 13.
Macintyre, John R., South Peabody, Mass., assignor to General Electric Company. Liquid level gauge. 2,298,893; Oct. 13.
Mack, Florian F., et al. (See Callender, William L., assignor.)
Mack, Sterling C., Bangor, Pa., assignor to Julius Kayser & Co., Brooklyn, N. Y. Widening fabric on flat knitting machines. 2,298,302; Oct. 13.
MacKay, William J., Prineville, and J. T. Bolen, Hillsdale, Oreg. Load binder. 2,298,710; Oct. 13.
Mackey, Stuart J., assignor to General Railway Signal Company, Rochester, N. Y. Highway crossing signaling system. 2,298,575; Oct. 13.
MacKinney, John J. (See Winlock, J., and MacKinney.)
Madge, Evelyn W. (See Taylor, S. D., Madge, and Murphy.)
Madsen, Sern, assignor to Curtis Companies Incorporated, Clinton, Iowa. Table top edge banding. 2,298,578; Oct. 13.
Magrum, Gervase M., Buffalo, N. Y., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Hydraulic shock absorber valving assembly. 2,298,396; Oct. 13.
Mahoney, Bertram W., Drexel Hill, Pa., assignor to General Electric Company. Electric switchgear. 2,298,828; Oct. 13.
Malcolm, Vincent T., assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Mass. Treating metal. 2,298,397; Oct. 13.
Malecki, Michael, Brooklyn, N. Y. Razor blade holder. 2,298,711; Oct. 13.
Manifold Supplies Company. (See Foster, William D., assignor.)
Mankoff, Henry J., Wichita, Kans. Feed grinding machine. 2,298,712; Oct. 13.
Manton, James S., Oak Park, Ill. Spring fork bicycle. 2,298,494; Oct. 13.
Marchment, William T., London, England. Electrical liquid-level indicator. 2,298,954; Oct. 13.
Marcus, Samuel, Jersey City, assignor, by mesne assignments, to Voices, Inc., Beyonne, N. J. Articulative voice. 2,299,023; Oct. 13.
Marioness & Company Inc. (See Schmidt, Karl, assignor.)
Markham, Charles E. (See Ericson, G. R., and Markham.)
Marshaus, Anthony J., Cleveland, Ohio. Poultry feeder and fountain, 2,298,398; Oct. 13.
Marx, Louis, & Company. (See Lohr, R. J., and Carver, assignors.)
Mason, Frederick P., assignor to Creed and Company Limited, Croydon, England. Speed-indicating means for use in printing telegraph apparatus. 2,298,956; Oct. 13.
Mason, Joseph, Providence, R. I. and C. O. Benson, Brooklyn, N. Y., assignors, by mesne assignments, to United Aircraft Products, Inc., Dayton, Ohio. Automatic feeding device. 2,298,955; Oct. 13.
Massey-Harris Company Ltd. (See Ego, George R., assignor.)
Maurer, J. A., Inc. (See Maurer, John A., Jr., assignor.)
Maurer, John A., Jr., assignor, by mesne assignments, to J. A. Maurer, Inc., New York, N. Y. Optical system. 2,299,024; Oct. 13.
Mazzarelli, Augustine M., New York, N. Y. Valved closure for dispensing bottles. 2,298,957; Oct. 13.
McAfee, Jerry, assignor to Universal Oil Products Company, Chicago, Ill. Device for controlling temperature. 2,298,399; Oct. 13.
McCann, Paul S., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Conveyer system. 2,298,829; Oct. 13.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,298,958; Oct. 13.
McClain, Halbert M., Oklahoma City, Okla., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Apparatus for gravel packing wells. 2,299,057; Oct. 13.
McClintock, Jewel L., Slaton, Tex. Keyboard cover. 2,298,799; Oct. 13.
McClurken, Marjorie L., La Mesa, Calif. Glove for either hand. 2,298,959; Oct. 13.
McConnaughay, Kenneth E., West Lafayette, Ind. Mixing machine. 2,298,495; Oct. 13.
McCoy, Curtiss J., assignor to Air-Line Mfg. Co., Inc., Indianapolis, Ind. Airplane kite. 2,298,400; Oct. 13.
McDougal, Kenneth R., Fort Wayne, Ind., assignor to General Electric Company. Electric dynamometer. 2,298,894; Oct. 13.
McElroy, Roy H., and G. R. Mumma, assignors to The International Engineering, Inc., Dayton, Ohio. Air handling apparatus. 2,298,576; Oct. 13.
McGillis, John D., Chippewa Falls, Wis. Corn sheller attachment. 2,298,830; Oct. 13.
McGinley, William L., Dallas, Tex. Steering wheel tray. 2,299,025; Oct. 13.
McKee, Ralph H., New York, N. Y. Production of beryllium oxide or hydroxide. 2,298,800; Oct. 13.
McKerlie, George F., assignor to Kirsch Company, Sturgis, Mich. Venetian blind. 2,298,538; Oct. 13.
McKibben, Roy H., Bloomfield, and D. M. Dart, Essex Fells, N. J., assignors to General Electric Company. Making heat exchange units. 2,298,895; Oct. 13.
McLeod, John H. (See Sandvik, O., and McLeod.)
McNally, James G., and E. C. Jensen, assignors to Eastman Kodak Company, Rochester, N. Y. Treatment of textile material. 2,298,401; Oct. 13.
McPhail, Archie J., Hibbing, Minn. Holder for ice cream containers. 2,298,577; Oct. 13.
McRae, James W., Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplification with high efficiency. 2,298,960; Oct. 13.
Mercier, Jean, Paris, France. Pump and compressor. 2,298,402; Oct. 13.
Merkel, Eugene E. (See Hicks, V., and Merkel.)
Merrell, Wm. S., Company, The. (See Shelton, Robert S., assignor.)
Merrill, Carle J., Portland, Maine. Method of and apparatus for coating paper. 2,299,026; Oct. 13.
Merrill, James A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Treating rubber. 2,298,713; Oct. 13.
Metal Office Furniture Company. (See Hunting, David D., assignor.)
Metcalf, Herbert E. (See Carroll, E. W., and Metcalf.)

Metzger, Reinhardt F., Glendale, N. Y. Lens grinding machine. 2,298,496; Oct. 13.
Metzger, Robert E. (See Sarran, W. E., and Metzger.)
Meyer, Albert W., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Absorptive form lining. 2,298,579; Oct. 13.
Meyer, Leo J., assignor to The Champion Pecan Machine Company, San Antonio, Tex. Nut shelling machine. 2,298,497; Oct. 13.
Meyer, Wendel J., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Refrigerator car. 2,298,896; Oct. 13.
Meyer, William, East Orange, assignor to A. W. Wheaton Brass Works, Newark, N. J. Self-closing barrel filler. 2,298,801; Oct. 13.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Actuator. 2,298,802; Oct. 13.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for taking flashlight pictures. 2,298,403; Oct. 13.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Pocket range finder construction. 2,298,404; Oct. 13.
Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Cycloalkanyl peroxide and process of producing the same. 2,298,405; Oct. 13.
Milberg, Herman, East Union, Minn. Feed device for portable tools. 2,298,772; Oct. 13.
Miller, Earl F., Creve Coeur, Ill. Fluorescent lamp. 2,298,961; Oct. 13.
Miller, James T., assignor to The Kawneer Company, Niles, Mich. Window construction. 2,298,406; Oct. 13.
Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Control mechanism. 2,298,407; Oct. 13.
Miller, Raymond S., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,298,831; Oct. 13.
Minneapolis-Honeywell Regulator Company. (See Crum, Stephen, assignor.)
Minneapolis-Honeywell Regulator Company. (See Grant, Arthur C., assignor.)
Minneapolis-Honeywell Regulator Company. (See Joesting, Frederick D., assignor.)
Minneapolis-Honeywell Regulator Company. (See Judson, Albert L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Minneapolis-Honeywell Regulator Company. (See Shivers, Paul F., assignor.)
Minnesota Mining & Manufacturing Company. (See Burton, Howard B., Jr., assignor.)
Miron, Walter F., Detroit, Mich. Fish holding device. 2,298,580; Oct. 13.
Misslin, Emil E., and R. Thomann, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs. 2,298,303; Oct. 13.
Mitchell, Donald H., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Rado receiver apparatus. 2,299,058; Oct. 13.
Mitchell, Leonidas, J., Farmdale, Barboursville District, W. Va. Key holder. 2,298,304; Oct. 13.
Moats, Willie M., Cairo, W. Va. Two-section or knock-down boat. 2,298,714; Oct. 13.
Mohler, Francis. (See Edwards, M. A., and Mohler.)
Monarch Marking System Company, The. (See Kohnle, Frederick, assignor.)
Monroe, George S. (See Corson, B. B., and Monroe.)
Monsanto Chemical Company. (See Harris, Jay C., assignor.)
Monsanto Chemical Company. (See Samaras, N. N. T., and Harris, assignors.)
Montgomery, Walter B. (See Rubin, L. C., Montgomery, and Degnen.)
Moore, Donald F., Villa Park, Ill. Attachment for railway cars. 2,298,715; Oct. 13.
Moore, Harold A. and J. B., Riverhead, N. Y., assignors to Radio Corperation of America. Variable tuned transformer. 2,298,498; Oct. 13.
Moore, John B. (See Moore, Harold A. and J. B.)
Moore, Thomas V. (See Lewis, W. K., and Moore.)
Moore, Thomas V., Houston, Tex., assignor to Standard Oil Development Company. Producing oil wells. 2,298,834; Oct. 13.
Moran, Matthew F., Kansas City, Mo. Sleeve molding machine. 2,298,582; Oct. 13.
Moravek, Rudolf A. (See Fourness, C. A., and Moravek.)
Moreland, Stephen T., V. E. Hofmann, and P. C. Tracy, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Machine for molding thermoplastics. 2,298,716; Oct. 13.
Morkoski, James. (See Mott, C. W., and Morkoski.)
Morkoski, James, Canton, Ill., assignor to International Harvester Company. Tractor implement attachment. 2,298,499; Oct. 13.
Morris, Herbert N., London, England. Drying of printed matter. 2,298,803; Oct. 13.
Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Tractor cultivator. 2,298,540; Oct. 13.
Mott, Carl W., La Grange, and James Morkoski, Canton, Ill., assignors to International Harvester Company. Implement hold-down device. 2,298,539; Oct. 13.
Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Glass composition and product thereof. 2,298,746; Oct. 13.
Mowrer, Charles L., Hagerstown, Md. Detachable nosepiece. 2,298,832; Oct. 13.
Moyer, Otto D. Indianapolis, Ind. Mounting fixture for press assembling. 2,298,408; Oct. 13.
Muckerheide, Victor J. (See Myers, L. D., and Muckerheide.)
Mueller, Emil C., assignor to The John Gabel Manufacturing Company, Chicago, Ill. Coin dividing mechanism for coin operated machines. 2,298,500; Oct. 13.
Muessig, Clifford W., Roselle, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Lubricant. 2,298,833; Oct. 13.
Mullen, Januarius A., Grosse Pointe, Mich. Photographic printing frame and the like. 2,298,583; Oct. 13.
Muller, Carl W., Osborn, Ohio. Recording apparatus for use with aviation ground trainers. 2,298,305; Oct. 13.
Mumma, George R. (See McElroy, Roy H., and Mumma.)
Murphy, Edward A. (See Taylor, S. D., Madge and Murphy.)
Murphy, Thomas J., Stamford, Conn. Dry shaver. 2,298,962; Oct. 13.
Myers, Harold L., Morristown, N. J. Display device for containers. 2,298,897; Oct. 13.
Myers, Latimer D., Cincinnati, and V. J. Muckerheide, Silverton, assignors to Emery Industries, Inc., Cincinnati, Ohio. Separating fatty acids. 2,298,501; Oct. 13.
Nardone, Romeo M., East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starting mechanism. 2,298,717; Oct. 13.
Nash-Kelvinator Corporation. (See Phelps, Ross H., assignor.)
National Lead Company. (See Stinson, T. K., and Ayers, assignors.)
Naylor, William E., and L. R. Fink, assignors to Fink-Roselieve Co. Inc., New York, N. Y. Film processing tank. 2,298,963; Oct. 13.
Neale, John E. (See Oswin, John, assignor.)
Nejedly, Peter M., Brooklyn, N. Y., assignor to American Machine and Foundry Company, Bowling pin setting machine control mechanism. 2,298,718; Oct. 13.
Neptune Meter Company. (See Bugg, Kenly C., assignor.)
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,298,502; Oct. 13.
Nestle's Milk Products, Inc. (See Griffin, H. L., Robb, Titus, and Gebhardt, assignors.)
Neva-Clog Products, Inc. (See Vogel, Max, assignor.)
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Expansion valve. 2,298,804; Oct. 13.
Nicol, John, assignor to Divco-Twin Truck Company, Detroit, Mich. Vehicle. 2,298,773; Oct. 13.
Nisbet, Robert H., Osterley, and W. G. Harding, Whitton, England, assignors to Sperry Gyroscope Company Incorporated, Brooklyn, N. Y. Gyroscopic indicator. 2,298,626; Oct. 13.
Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Vacuum can closing machine. 2,298,306; Oct. 13.
Norton, Charles W., West Orange, N. J., assignor to Ralph C. Coxhead Corporation, New York, N. Y. Differential letter spacing for typewriters. 2,298,805; Oct. 13.
Novak, Edward J., Chicago, Ill. Display carton. 2,299,027; Oct. 13.
Noyes, Stanley E., Los Angeles, Calif. Dental impression composition. 2,298,835; Oct. 13.
Nutt, Harold, and H. V. Reed, assignors to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,299,028; Oct. 13.
Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,299,029; Oct. 13.
Och, Henry G. (See Boghosian, W. H., Hinshaw and Och.)
O'Farrell, Matthew, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Implement retainer. 2,298,719; Oct. 13.
O'Farrell, Matthew, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Feed leg control for stoping drills. 2,298,720; Oct. 13.
Ogden, Floyd H., Arlington, Mass., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machine. 2,298,836; Oct. 13.
Onions, John H., London, England. Packing ring, cup washer, and the like. 2,298,584; Oct. 13.
Orling, Frank V., Klamath Falls, Oreg. Crayon holder. 2,298,721; Oct. 13.
Osborn, C. D., Co. (See Hartmann, William M., assignor.)
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,298,503; Oct. 13.
Ost, Frederick A., Los Angeles, Calif. Spark plug. 2,298,504; Oct. 13.
Ostrom, Ernest W. (See Kelly, J., Ostrom, and Williams.)
Oswald, James B., Burlingame, Calif. Concrete foundation wall form. 2,298,837; Oct. 13.

Oswin, John, assignor of one-half to J. E. Neale, Coventry, England. Gauge for measuring or checking dimensions. 2,298,898; Oct. 13.

Oswin, John, assignor of one-half to J. E. Neale, Coventry, England. Interfitting machine and like part. 2,298,899; Oct. 13.

Ottman, Raymond E., Louisville, Ky. Handle for golf clubs. 2,298,505; Oct. 13.

Ovens, William G., Midland Park, N. J., assignor to Wright Aeronautical Corporation. Lubrication system. 2,298,646; Oct. 13.

Owen, James R. (See Schulze, W. A., and Owen.)

Owens-Illinois Glass Company. (See Lockart, Edward P., assignor.)

Owens-Illinois Glass Company. (See Moreland, S. T., Hofmann and Tracy, assignors.)

Owens-Illinois Glass Company. (See Soubier, L. D., and Scheuerman, assignors.)

Owens, Robert E. (See Du Vall, Emile M., assignor.)

Packless Metal Products Corporation. (See Guarnaschelli, Stephen, assignor.)

Painter, Frank F. (See Dennison, B. J., and Painter.)

Paper Patents Company. (See Fourness, C. A., and Moravek, assignors.)

Parish, Scott, assignor to All-Around Reflector Co., Cleveland, Ohio. Light projector for motion pictures and the like. 2,298,308; Oct. 13.

Parker, Claude E., assignor to Gas Products Corporation, Chicago, Ill. Top structure for gaseous fuel cook stoves. 2,298,307; Oct. 13.

Parker, George P., Chelmsford, England, assignor to Radio Corporation of America. Crystal controlled oscillation generator. 2,298,774; Oct. 13.

Parker, Louis W., Woodside, assignor of one-half to K. Binkovitz, New York, N. Y. Exploring living tissue. 2,298,506; Oct. 13.

Parker Rust-Proof Company. (See Clifford, W. J., and Adams, assignors.)

Paulsen, Henry C. (See Pyner, R. L., and Paulsen.)

Paxton, Robert, Upper Darby, Pa., assignor to General Electric Company. Electric circuit interrupter. 2,298,838; Oct. 13.

Peebles, George B., Newark, N. J., assignor of one-third to J. W. Drake, New York, N. Y., and one-third to J. M. Ceballos, Old Westbury, N. Y. Gasoline meter. 2,299,030; Oct. 13.

Peerless Machinery Company, The. (See Beatty, Bryan, assignor.)

Pelikan, John M., Chicago, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,298,806; Oct. 13.

Pellmann, Rudolf, Velten, near Berlin, Germany, assignor to General Electric Company. Electrical discharge device. 2,298,965; Oct. 13.

Penick, Arthur J., and K. T. Penick, Houston, Tex. Elevator. 2,298,507; Oct. 13.

Penick, Kirby T. (See Penick, Arthur J. and K. T.)

Pennsylvania Company for Insurance on Lives and Granting Annuities. (See Humphreys, William, assignor.)

Pennsylvania Railroad Company, The. (See Elsey, Warren R., assignor.)

Pennsylvania Railroad Company, The. (See Meyer, Wendel J., assignor.)

Pennsylvania Salt Manufacturing Company, The. (See Griffin, C. B., Jr., and Schuch, assignors.)

Pepin, Nelson J., Lowell, Mass. Governor for regulating speed of water wheels. 2,298,964; Oct. 13.

Permutit Company, The. (See Liebknecht, Otto, assignor.)

Perrine, John H. (See Alleman, G., and Perrine.)

Peters, Peter N., New York, N. Y. Shaving method. 2,298,508; Oct. 13.

Peters, Wilhelm, Berlin, Germany; vested in the Alien Property Custodian. Guy wire insulator. 2,298,900; Oct. 13.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Multiplexing. 2,298,409; Oct. 13.

Pfeiffer, William C., assignor to The Egry Register Company, Dayton, Ohio. Manifolding machine. 2,298,410; Oct. 13.

Phelps, Ross H., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Automotive suspension. 2,298,585; Oct. 13.

Phillips, Paul L., Hartford, Conn. Optical apparatus. 2,298,586; Oct. 13.

Phillips Petroleum Company. (See Drennan, Harry E., assignor.)

Phillips Petroleum Company. (See Schulze, W. A., and Owen, assignors.)

Phipps, John G., Springfield, Mo. Hydraulic brake control. 2,298,509; Oct. 13.

Pickering, Glenroy, assignor of ten per cent to O. E. Treadway, Marietta, Ohio. Spoon holder. 2,298,901; Oct. 13.

Pines, Herman. (See Ipatieff, V. N., and Pines.)

Pirsch, Peter, assignor to Peter Pirsch and Sons Co., Kenosha, Wis. Nozzle holder. 2,298,541; Oct. 13.

Pirsch, Peter, and Sons Co. (See Pirsch, Peter, assignor.)

Pitney-Bowes Postage Meter Co. (See Russell, A. G., Burckhardt, and Calhoun, assignors.)

Pitney-Bowes Postage Meter Company. (See Soper, Horace N., assignor.)

Pittsburgh Plate Glass Company. (See Dennison, B. J., and Painter, assignors.)

Plastic Binding Corporation. (See Spinner, Isidore, assignor.)

Polymerization Process Corporation, The. (See Keith Percival C., Jr., assignor.)

Porter, William A., Red Hill, Brisbane, Queensland, Australia. Form for concrete arch constructions. 2,298,839; Oct. 13.

Potter, Robert S., and M. D. Bennett, assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Door operator. 2,298,542; Oct. 13.

Pound, Howard W., and M. K. Rush, assignors to American Air Filter Company, Inc., Louisville, Ky. Electrostatic precipitating plate. 2,298,510; Oct. 13.

Proctor & Schwartz, Incorporated. (See Schwartz, Walter M., assignor.)

Proudman, Chester F., and H. H. Goossen, New Canaan, Conn., said Goossen assignor to said Proudman. Tank sampler. 2,298,627; Oct. 13.

Prutton, Carl F., East Cleveland, assignor to The Lubri-Zol Corporation, Cleveland, Ohio. Lubricating composition. 2,298,636; Oct. 13.

Prutton, Carl F., East Cleveland, assignor to The Lubri-Zol Corporation, Cleveland, Ohio. Lubricating composition. 2,298,637; Oct. 13.

Prutton, Carl F., East Cleveland, assignor to The Lubri-Zol Corporation, Cleveland, Ohio. Lubricating composition. 2,298,638; Oct. 13.

Prutton, Carl F., East Cleveland, assignor to The Lubri-Zol Corporation, Cleveland, Ohio. Lubricating composition. 2,298,639; Oct. 13.

Prutton, Carl F., Cleveland Heights, assignor to The Lubri-Zol Corporation, Wickliffe, Ohio. Lubricating composition. 2,298,640; Oct. 13.

Purcell, Gerald G. N., East Orange, N. J., assignor to American District Telegraph Company, New York, N. Y. Alarm system. 2,298,840; Oct. 13.

Pyner, Robert L., Roselle, and H. C. Paulsen, Elizabeth, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Textile finishing. 2,298,841; Oct. 13.

Quackenbush, H. M., Inc. (See Quackenbush, Paul H., assignor.)

Quackenbush, Paul H., assignor to H. M. Quackenbush, Inc., Herkimer, N. Y. Kaleidoscope. 2,298,966; Oct. 13.

Quimper, Anthony A. (See Yoxsimer, O. H., and Quimper.)

Quist, Oscar. (See Christensen, N. V., Le Vesconte, Sauer, and Quist.)

Radel, Fred W., South Orange, N. J. Erasing shield. 2,298,807; Oct. 13.

Radio Corporation of America. (See Brown, C. H., and Roberts, assignors.)

Radio Corporation of America. (See Conrad, Edward C., assignor.)

Radio Corporation of America. (See Creager, Frederick L., assignor.)

Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)

Radio Corporation of America. (See Kell, Ray D., assignor.)

Radio Corporation of America. (See Leverenz, Humboldt W., assignor.)

Radio Corporation of America. (See Moore, Harold A. and John B., assignors.)

Radio Corporation of America. (See Parker, George P., assignor.)

Radio Corporation of America. (See Peterson, Harold O., assignor.)

Radio Corporation of America. (See Ramberg, Edward C., assignor.)

Radio Corporation of America. (See Rhea, Henry E., assignor.)

Radio Corporation of America. (See Shaw, George R., assignor.)

Radio Corporation of America. (See Smith, Perry C., assignor.)

Radio Corporation of America. (See Smith, J. E., Whitaker, and Clark, assignors.)

Radio Corporation of America. (See Streib, Albrecht, assignor.)

Radio Corporation of America. (See Thorne, Earle D., assignor.)

Radio Corporation of America. (See Tunick, Harry, assignor.)

Radio Corporation of America. (See Usselman, George L., assignor.)

Radio Corporation of America. (See Wentworth, Chandler, assignor.)

Radio Corporation of America. (See Young, Charles J., assignor.)

Raffman, Halsey L., Bronx, N. Y. Cassette. 2,298,587; Oct. 13.

Raiche, Andrew, Providence, R. I. Rifle barrel lapping machine. 2,298,775; Oct. 13.

Ralston, Andrew W. (See Corley, H. M., Ralston, and Segebrecht.)

Ramberg, Edward G., Moorestown, N. J., assignor to Radio Corporation of America. Television projection system. 2,298,808; Oct. 13.

Ransohoff, Nathan, Cincinnati, Ohio. Side loading tumbling mill. 2,299,031; Oct. 13.

Ransohoff, Nathan, Cincinnati, Ohio. End loading tumbling mill. 2,299,032; Oct. 13.

Rappl, Anton. (See Horton, E. C., and Rappl.)

Rathbun, John P., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Sealing closure for high-pressure heads. 2,298,511; Oct. 13.

Ray, James L., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Locomotive. 2,298,309; Oct. 13.

Ray, James L., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic drive. 2,298,310; Oct. 13.

Raymond, Lambert L., Minneapolis, Minn. Small lamp reflector. 2,298,588; Oct. 13.

Ren, Wilton T., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse transmission system. 2,298,722; Oct. 13.

Reach, Erwin, Hoboken, N. J., assignor to J. Firstenberg, doing business as Universal Importing Co., New York, N. Y. Making ornamental articles. 2,298,724; Oct. 13.

Read, Davis, Jr., and W. L. Benedict, assignors to Universal Oil Products Company, Chicago, Ill. Copper sweetening hydrocarbon oils. 2,298,411; Oct. 13.

Reason, Richard E. (See Warmisham, A., and Reason.)

Redd, John A., Cleveland, Ohio. Fluid brake system. 2,298,628; Oct. 13.

Reed, Harold V. (See Nutt, H., and Reed.)

Reed, Llewelyn M., Devon, Conn. Boiler feeder. 2,299,033; Oct. 13.

Reel, Raymond D. (See Elvin, W. J., Reel, Stahl, and Schulte.)

Reese, Garland W., Chappaqua, assignor to American Can Company, New York, N. Y. Container. 2,298,311; Oct. 13.

Reid, Charles D., assignor to Eastman Kodak Company, Rochester, N. Y. Positioning lantern slides. 2,298,413; Oct. 13.

Reitherman, Ralph W., and C. M. Rowell, assignors to F. F. Rowell, Sr., Chicago, Ill. Electric discharge apparatus. 2,298,589; Oct. 13.

Remde, Jack, assignor to R. L. Triplett, Bluffton, Ohio. Electrical measuring instrument. 2,298,412; Oct. 13.

Remington Arms Company. (See Coxe, Charles D., assignor.)

Remington Arms Company. (See Lewis, Arthur J., assignor.)

Remington Arms Company. (See Schilling, A. A., and Curran, assignors.)

Remington Rand Inc. (See Dreher, Elmer H., assignor.)

Remington Rand Inc. (See Ferry, John T., assignor.)

Remington Rand Inc. (See Ritzert, Robert W., assignor.)

Research Corporation. (See Barrow, Wilmer L., assignor.)

Research Corporation. (See Milas, Nicholas A., assignor.)

Reuter, John G. (See Gerrish, H. C., and Reuter.)

Reynolds Metals Company. (See Reynolds, Richard S., assignor.)

Reynolds, Richard S., assignor to Reynolds Metals Company, Richmond, Va. Composite metallic powder. 2,299,034; Oct. 13.

Reynolds Spring Company. (See Throop, Enos C., assignor.)

Reyrolle, A., & Company, Limited. (See Allan, A., and Amer, assignors.)

Rhea, Henry E., Medford, N. J., assignor to Radio Corporation of America. Low frequency reinserting circuit. 2,298,809; Oct. 13.

Rhein, Lloyd R., Pleasant Ridge, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Hydraulically operated lock. 2,298,776; Oct. 13.

Rhonds, James C., Erie, Pa., assignor to General Electric Company. Heat exchange system. 2,298,902; Oct. 13.

Rhodes, William A. (See Bascom, H. M., and Rhodes.)

Rice, Charles T., and C. T. Carmichael, Albuquerque, N. Mex. Lifting attachment for mowing machines. 2,298,414; Oct. 13.

Rice, Theron A., assignor to Goodspeed Machine Company, Winchenden, Mass. Safety collar. 2,298,723; Oct. 13.

Rich, Woodward B., Baltimore, Md. Typewriter accessory. 2,298,590; Oct. 13.

Richardson, Frederick G., and G. T. Balfe, assignors to Detroit Gasket & Mfg. Co., Detroit, Mich. Glove compartment construction. 2,298,415; Oct. 13.

Richardson, Henry, Passaic, assignor to Richardson Scale Company, Clifton, N. J. Liquid weighing apparatus. 2,298,967; Oct. 13.

Richardson, Paul K., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Luminous flame furnace. 2,298,842; Oct. 13.

Richardson Scale Company. (See Richardson, Henry, assignor.)

Riske, Hermann. (See Roesner, G., Schuster, von Ravensburg, Faber and Riske.)

Ritzert, Robert W., Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y. Card verifier. 2,298,416; Oct. 13.

Rivers, Earl A., Los Angeles, assignor to S. Given, Beverly Hills, Calif. Variable-speed transmission device. 2,299,036; Oct. 13.

Robb, Alexander R. (See Griffin, H. L., Robb, Titus and Gebhardt.)

Roberts, Walter van B. (See Brown, C. H., and Roberts.)

Roberts, Willard A., Cleveland, and H. T. Geissbuhler, East Cleveland, Ohio, assignors to General Electric Company. Fluorescent coating and manufacture. 2,298,968; Oct. 13.

Rocca, John, Graterford, Pa. Toilet kit. 2,298,417; Oct. 13.

Rockwell, Edward A., Hartford, Conn. Accumulator for supplying liquid under pressure. 2,298,512; Oct. 13.

Roesner, Gerhard, and L. Schuster, Frankfort-on-the-Main, F. K. F. G. von Ravensburg, Neu-Isenburg, near Frankfort-on-the-Main, H. Faber, Berlin-Steglitz, and H. Riske, Genthin, Germany, assignors to American Lurgi Corporation, New York, N. Y. Machining metals using cutting tools. 2,298,418; Oct. 13.

Rogers, Harry W., assignor to Teletype Corporation, Chicago, Ill. Protective coating. 2,298,513; Oct. 13.

Rogowski, Augustus R., Needham, Mass. Designing dynamometers. 2,298,725; Oct. 13.

Rohwer, Arthur G. (See Jurgensen, R. P., and Rohwer.)

Romig, Gerald C., Melrose Park, assignor to American Chemical Paint Company, Ambler, Pa. Phosphate coating ferrous metal surfaces. 2,298,312; Oct. 13.

Roosa, Vernon. (See Silber, E., and Roosa.)

Ross, David S., Easton, Conn. Chain. 2,298,591; Oct. 13.

Ross, Donald S., Moclips, Wash. Controllable flush electric outlet. 2,298,313; Oct. 13.

Rossmann, Peter F., Snyder, N. Y., assignor to Curtiss-Wright Corporation. Broaching machine. 2,298,647; Oct. 13.

Rothenberg, Harry, Norwood, N. J., and L. C. Grimsley, Jackson Heights, assignors to H. Hyman, Brooklyn, N. Y. Waterproof casing for flashlights. 2,299,035; Oct. 13.

Rowe, William W., Cincinnati, Ohio, assignor to Cincinnati Industries, Inc. Decorative product. 2,298,592; Oct. 13.

Rowell, Charles M. (See Reitherman, R. W., and Rowell.)

Rowell, Frank F., Sr. (See Reitherman, R. W., and Rowell, assignors.)

Rubin, Louis C., West Caldwell, W. B. Montgomery, Summit, and W. J. Degnen, Cranford, N. J., assignors to The M. W. Kellogg Company, New York, N. Y. Apparatus for catalytic cracking. 2,298,593; Oct. 13.

Rueger, Herman W., Lancaster, Pa., assignor to Liberty Can and Sign Company. Razor blade container. 2,298,594; Oct. 13.

Rush, Merle K. (See Pound, Howard W., and Rush.)

Rushmore, Samuel W., Plainfield, N. J. Motor cooling and vehicle body heating system. 2,298,969; Oct. 13.

Russell, Alva G., and A. Burckhardt, Stamford, and S. E. Calhoun, Springdale, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Spring clutch. 2,298,970; Oct. 13.

Russell, Robert C., Cleveland, Ohio. Hydraulic transmission. 2,298,648; Oct. 13.

Russell, Robert C., Cleveland, Ohio. Hydraulic transmission. 2,298,649; Oct. 13.

S. & W. Fine Foods, Inc. (See Carroll, E. W., and Metcalf, assignors.)

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Reinforced package. 2,298,419; Oct. 13.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Marked and scored package. 2,298,420; Oct. 13.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Display package. 2,298,421; Oct. 13.

Samaras, Nicholas N. T., and J. C. Harris, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Particulate detergent composition. 2,298,650; Oct. 13.

Samaras, Nicholas N. T., and J. C. Harris, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Particulate solid detergent. 2,298,651; Oct. 13.

Sandor, Louis K., Piqua, assignor of seventeen and one-half per cent to R. C. Stotts and seventeen and one-half per cent to H. Friedman, Dayton, Ohio. Frequency modulation system. 2,299,059; Oct. 13.

Sandvik, Otto, and J. H. McLeod, assignors to Eastman Kodak Company, Rochester, N. Y. Sound printer. 2,298,422; Oct. 13

Sarran, Wallace E., and R. E. Metzger, assignors to The Chas. W. Breneman Company, Cincinnati, Ohio. Head rail assembly. 2,299,060; Oct. 13.

Sauer, George. (See Christensen, N. V., Le Vesconte Sauer, and Quist.)

Saueressig, Johann H., Enschede, Netherlands, assignor to V. G. Manufacturing Company Limited, London, England. Connector for electrical conductors or the like. 2,299,037; Oct. 13.

Saunders, Norman H. (See Kiner, G., and Saunders.)

Sauzedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Automatic fluid control for hydrostatic systems. 2,298,314; Oct. 13.

Schaefer, Carl A., assignor to Square D Company, Detroit, Mich. Electric switch. 2,299,038; Oct. 13.
Schaper, William A., Cicero, assignor to Johnson Laboratories, Inc., Chicago, Ill. Radio receiving system. 2,298,629; Oct. 13.
Schaub, Betty A., executrix. (See Schaub, Jacob.)
Schaub, Jacob, deseased, late of Westfield, N. J., by B. A. Schaub, Westfield, N. J., executrix, assignor to The Best Foods, Inc. Apparatus and method for making chilled products. 2,298,903; Oct. 13.
Schechmer, Max, Flushing, N. Y. Watchcase. 2,298,971; Oct. 13.
Scheerer, Ernest O., Linden, N. J. Disposal unit. 2,299,065; Oct. 13.
Scherer, Robert P., Detroit, Mich. Fabricating capsules. 2,299,039; Oct. 13.
Scheuerman, August E. (See Soubier, L. D., and Scheuerman.)
Schiff, Robert, assignor to General Motors Corporation, Detroit, Mich. Gang spot welder. 2,298,843; Oct. 13.
Schilling, Albert A., Stratford, and T. B. Curran, Bridgeport, Conn., assignors to Remington Arms Company, Inc. Lubricant. 2,298,844; Oct. 13.
Schirm, Erik. (See Hentrich, W., and Schirm.)
Schmidt, Karl, Brooklyn, assignor to Marioness & Company Inc., New York, N. Y. Combination purse and billfold. 2,298,543; Oct. 13.
Schmied, Joseph M., assignor to Skilsaw, Inc., Chicago, Ill. Impact hammer. 2,298,845; Oct. 13.
Schneider, Henrietta, Hollis, N. Y. Cigarette and match package. 2,298,595; Oct. 13.
Schoenky, August R., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe. 2,298,423; Oct. 13.
Schrantz, Herbert A., St. Paul, Minn. Steering wheel. 2,298,596; Oct. 13.
Schreiber, Frederick W., Highland Park, assignor to Johnson & Johnson, New Brunswick, N. J. Absorbent material. 2,298,424; Oct. 13.
Schuch, Adam F. (See Griffin, O. B., Jr., and Schuch.)
Schulte, Frank W. (See Elvin, W. J., Reel, Stahl, and Schulte.)
Schuster, Ludwig. (See Roesner, G., Schuster, von Ravensburg, Faber and Riske.)
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Cutout. 2,298,972; Oct. 13.
Schulze, Walter A., and J. R. Owen, Bartlesville, Okla., assignors to Phillips Petroleum Company. Treatment of hydrocarbon gases. 2,298,641; Oct. 13.
Schwartz, Walter M., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Device for treating textile fabrications on forms. 2,299,040; Oct. 13.
Schwartz, Walter N., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Device for treating hosiery treating machines. 2,299,041; Oct. 13.
Schwarzmann, Wolfgang E., Longmeadow, and C. Strniste, Agawam, assignors to American Bosch Corporation, Springfield, Mass. Magnet stator structure for magnetos. 2,298,652; Oct. 13.
Scott-Paine, Hubert, and V. G. Bull, Hythe, Southampton, England, said Bull assignor to said Scott-Paine. Control gear for boats, aircraft, or other mobile units. 2,298,653; Oct. 13.
Scott, Thomas R., J. K. Webb and S. G. Foord, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric power cable. 2,298,654; Oct. 13.
Scott, William J., and L. J. Davies, Rugby, England, assignors to General Electric Company. Electric discharge apparatus. 2,298,904; Oct. 13.
Scott, Winfield, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Age resister for rubber. 2,298,726; Oct. 13.
Scovill Manufacturing Company. (See Hoffman, Allan C., assignor.)
Scovill Manufacturing Company. (See Hoffman, A. C., and MacDonald, assignors.)
Scriggins, Edwin P. (See Kattermann, E. D., and Scriggins.)
Scrimshaw, Walter J., New Orleans, La. Electric attachment plug. 2,298,973; Oct. 13.
Segebrecht, Ervin W. (See Corley, H. M., Ralston, and Segebrecht.)
Segerlund, David H., Detroit, Mich. Dispensing closure. 2,298,655; Oct. 13.
Sexton, Harry C., Valparaiso, Ind. Machinist's internal testing gauge. 2,298,597; Oct. 13.
Shaffer, George W., New York, N. Y. Toy glider. 2,298,425; Oct. 13.
Sharp & Dohme, Incorporated. (See Hartung, Walter H., assignor.)
Sharples Corporation, The. (See Ambler, Charles M., Jr., assignor.)
Shaw, George R., Verona, N. J., assignor to Radio Corporation of America. Glass-to-metal seal. 2,298,974; Oct. 13.
Shaw-Walker Company, The. (See Lindberg, Harold L., assignor.)
Shelburne, John W., Hannibal, Mo. Corrosion cutter. 2,298,975; Oct. 13.
Shelton, Robert S., Mariemont, Ohio, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Secondary β phenyl propyl amines and pharmaceutical compositions thereof. 2,298,630; Oct. 13.
Shepardson, Ernest E. (See Joy, M. F., and Shepardson.)
Sherman, Harold T., Los Angeles, Calif., assignor to Dictaphone Corporation, New York, N. Y. Control system for phonographs. 2,298,727; Oct. 13.
Sherman, James D. (See Kirchner, E. A., Sherman, and Hausknecht.)
Shillinglaw, Clifford A., and M. Levine, Ames, Iowa, assignors to American Bottlers of Carbonated Beverages, Washington, D. C. Chemical titration method. 2,298,976; Oct. 13.
Shinn, Grace M., Des Moines, Iowa, and L. B. James, Downers Grove, Ill. Hair drying apparatus. 2,298,426; Oct. 13.
Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,298,810; Oct. 13.
Siegel, David T., Wheaton, and H. E. Lense, Lombard, Ill.; said Lense assignor to said Siegel. Dummy antenna resistor. 2,298,315; Oct. 13.
Siewing, Herman, Jr., Glasgow, Mont. Apparatus for waxing vegetables. 2,298,631; Oct. 13.
Sigel, David T. (See Gray, Gordon E., assignor.)
Silber, Eugene, New York, N. Y., and V. Roosa, Ardsley, N. Y. System of electric current generation. 2,298,977; Oct. 13.
Silex Company, The. (See Wolcott, Frank E., assignor.)
Silfen, Alfred, Berkeley, Ill. Lawn mower sharpener. 2,298,978; Oct. 13.
Simmons, Leon E., Claremont, N. H., assignor to Sullivan Machinery Company. Overload release device. 2,298,316; Oct. 13.
Simons, Aaron, Bronx, N. Y. Automatic drilling machine. 2,298,979; Oct. 13.
Sinclair Refining Company. (See Cross, C. F., and Grogg, assignors.)
Singer Manufacturing Company, The. (See Wesson, George W., assignor.)
Sisco, Alexander, Kokomo, Ind. Fish lure. 2,298,811; Oct. 13.
Sitter, Evan L., McLean, Tex. Motor vehicle door latch. 2,298,598; Oct. 13.
Skilsaw, Inc. (See Schmied, Joseph M., assignor.)
Skinner, Charles K., Southport, Conn., assignor to General Electric Company. Washing machine. 2,298,905; Oct. 13.
Skooglund, Arthur C., Clark Township, Union County, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Wax-polymer blend manufacture. 2,298,846; Oct. 13.
Slanhoff, Bertram, Brooklyn, assignor to Corro-Lith Corporation, New York, N. Y. Floor stand. 2,298,427; Oct. 13.
Sloan, Edward C., and A. H. Eberman, assignors to J. B. Hawley, Geneva, Ill. Filter and producing same. 2,298,980; Oct. 13.
Smith, Charles S. (See Junkins, R. D., Toomey, and Smith.)
Smith, Charles V., assignor to The Univis Lens Company, Dayton, Ohio. Method and apparatus for automatic pressure control in molding of synthetic resinous materials. 2,298,429; Oct. 13.
Smith, Harold G., Chicago, assignor to The Buda Company, Harvey, Ill. Rocker arm assembly. 2,298,981; Oct. 13.
Smith, Herschel G., Wallingford, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Manufacture of lubricating greases. 2,298,317; Oct. 13.
Smith, James E., Brooklyn, N. Y., J. N. Whitaker, Weehawken, N. J., and G. R. Clark, Brooklyn, N. Y., assignors to Radio Corporation of America. Voltage and current limiter. 2,298,657; Oct. 13.
Smith, John I. (See Keithman, John F., assignor.)
Smith, Mark A., Ruth, Nev. Block cave mining method and plant. 2,298,599; Oct. 13.
Smith, Perry C., Breton Woods, N. J., assignor to Radio Corporation of America. Heat control system. 2,298,847; Oct. 13.
Smith, Phillip H., Denville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission line. 2,298,428; Oct. 13.
Smith, Robert L. (See Watson, K. M., and Smith.)
Smith, Roy D., Davenport, Iowa, assignor to Bee Line Manufacturing Company, Scott County, Iowa. Wheel balance tester. 2,298,656; Oct. 13.
Smith, Scott E., Salem, Oreg. Dumping body. 2,298,982; Oct. 13.
Society of Chemical Industry in Basle. (See Misslin, E. E., and Thomann, assignors.)
Socony-Vacuum Oil Company. (See Fuller, Everett W., assignor.)
Socony-Vacuum Oil Company. (See McClain, Halbert M., assignor.)
Soper, Horace N., London, England, assignor to Pitney-Bowes Postage Meter Company, Stamford, Conn. Coin freed franking machine. 2,299,042; Oct. 13.
Soubier, Leonard D., and A. E. Scheuerman, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Bottle blowing apparatus. 2,298,728; Oct. 13.
Spencer, Herman J., West View, assignor to Leechgrip Company, Pittsburgh, Pa. Strap tensioning and sealing device. 2,298,658; Oct. 13.
Sperry Gyroscope Company. (See Bates, Mortimer F., assignor.)
Sperry Gyroscope Company Incorporated. (See Nisbet, R. H., and Harding, assignors.)

Sperry, Paul A., New Haven, Conn. Cloth-treating apparatus. 2,298,906; Oct. 13.
Sperry-Sun Well Surveying Company. (See Kothny, Gottdank L., assignor.)
Spinner, Isidore, assignor to Plastic Binding Corporation, Chicago, Ill. Binder. 2,299,061; Oct. 13.
Sprague, Robert H. (See Brooker, L. G. S., and Sprague.)
Sprayomatic Products Company, The. (See Balthasar, Harry G., assignor.)
Square D Company. (See Allen, Wallace T., assignor.)
Square D Company. (See Schaefer, Carl A., assignor.)
Stabe, Ernest R., New York, N. Y. Prefabricated tile sheathing. 2,298,983; Oct. 13.
Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Trimming machine. 2,298,430; Oct. 13.
Stahl, Elmer R. (See Elvin, W. J., Reel, Stahl, and Schulte.)
Staley, Harry C., Jr., Baltimore, Md. Body belt. 2,298,659; Oct. 13.
Standard Oil Company, The. (See Hughes, Everett C., assignor.)
Standard Oil Development Company. (See Buckley, Stuart E., assignor.)
Standard Oil Development Company. (See Harrington, Paul J., assignor.)
Standard Oil Development Company. (See Holmes, August, assignor.)
Standard Oil Development Company. (See Howell, Lynn G., assignor.)
Standard Oil Development Company. (See Lewis, W. K., and Moore, assignors.)
Standard Oil Development Company. (See Moore, Thomas V., assignor.)
Stariine, Inc. (See Ferris, Robert G., assignor.)
Sta-Tite Plug Corporation. (See Brus, Emile P., assignor.)
Stauf, Friedrich W., and G. Janning, Leverkusen-I. G. Werk, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Preservation of green fodder. 2,298,514; Oct. 13.
Steiner Sales Company. (See Grunwald, Albert C., assignor.)
Stember, Bernard, Essex County N. J., assignor to Basic Patents, Inc., New York, N. Y. Belt or other carrying article with pocket. 2,298,600; Oct. 13.
Stern, Max, New York, N. Y., assignor to Alloys Recovery Company Inc., Essex County, N. J. Treating light metal scrap. 2,299,043; Oct. 13.
Stevens, Donald R., Swissvale, and W. A. Gruse, Wilkinsburg, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Production of alkylated phenols. 2,298,660; Oct. 13.
Stewart, Clyde E., Upper Darby, Pa., assignor to General Electric Company. Supervisory system. 2,298,907; Oct. 13.
Still, Aldrich C. (See Still, C. A., and A. C.)
Still, Cuthbert A., Alta Loma, and A. C. Still, Galveston, Tex. Paraffine cleaner for oil wells. 2,298,985; Oct. 13.
Stinson, Thane K., East St. Louis, Ill., and L. K. Ayers, St. Louis, Mo., assignors, by mesne assignments, to National Lead Company, New York, N. Y. Iron oxide weighting material for drilling muds. 2,298,984; Oct. 13.
Stotts, Ray C., et al. (See Sandor, Louis K., assignor.)
Stover, Clyde N., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Knitting machine. 2,298,812; Oct. 13.
Stratford, Herbert R., Cleveland, Ohio, assignor to The Stratmore Company, Wilmington, Del. Surfacing apparatus. 2,298,318; Oct. 13.
Stratmore Company, The. (See Stratford, Herbert R., assignor.)
Stratton, Frank E. (eSe Ballard, M. H., and Stratton.)
Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Time recorder. 2,299,044; Oct. 13.
Streib, Albrecht, Port Jefferson Station, N. Y., assignor to Radio Corporation of America. Joint for concentric conductors. 2,298,516; Oct. 13.
Strniste, Charles. (See Schwarzmann, W. E., and Strniste.)
Studebaker Corporation, The. (See Greenlee, Harry R., assignor.)
Studebaker Corporation, The. (See Sullivan, Perry W., assignor.)
Sullivan, Charles J., and H. T. Leister, Arlington County, Va. Toy. 2,298,431; Oct. 13.
Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
Sullivan Machinery Company. (See Simmons, Leon E., assignor.)
Sullivan, Perry W., assignor to The Studebaker Corporation, South Bend, Ind. Window structure. 2,298,515; Oct. 13.
Sulzer, Frères, Société Anonyme. (See Traupel, Walter, assgnor.)
Sun Oil Company. (See Alleman, G., and Perrine, assignors.)
Swanson, Albin P., Mount Jewett, Pa. Ship hull construction. 2,298,661; Oct. 13.
Swift, Harvey C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure producing device. 2,298,848; Oct. 13.
Swiss Knitting Company. (See Kattermann, E. D., and Scriggins, assignors.)
Tampier, René, Cricklewood, London, England. Ball joint. 2,298,642; Oct. 13.
Taylor, Stanley D., and E. W. Madge, Sutton Coldfield, and E. A. Murphy, Wylde Green, assignors to Dunlop Rubber Company Limited, London County, England. Cushioning material of spongelike or cellular rubber. 2,298,986; Oct. 13.
Taylor, Taylor & Hobson Limited. (See Warmisham, Arthur, assignor.)
Teletype Corporation. (See Burcky, C. W., and Gubisch, assignors.)
Teletype Corporation. (See Rogers, Harry E., assignor.)
Ternstedt Manufacturing Company. (See Rhein, Lloyd R., assignor.)
Tervet, Ernest J. (See Griffiths, J. B., Brown, and Tervet.)
Tetzlaff, Vernet L., Wautoma, Wis. Razor sterilizer. 2,298,662; Oct. 13.
Thomann, Rudolf. (See Misslin, E. E., and Thomann.)
Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oil. 2,298,434; Oct. 13.
Thomas, John W., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Pliable metal closure. 2,298,777; Oct. 13.
Thommen, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Protection of multiphase transmission lines. 2,298,517; Oct. 13.
Thompson, Howard A., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Lubrication and fugitive tinting of synthetic yarns. 2,298,432; Oct. 13.
Thomsen, Paul H., Silver Spring, Md. Audio frequency signal transmission circuit. 2,298,987; Oct. 13.
Thorne, Earle D., Patchogue, N. Y., assignor to Radio Corporation of America. Electrical interlock switch. 2,298,518; Oct. 13.
Thorner, Robert H., Detroit, Mich. Valve. 2,298,632; Oct. 13.
Throop, Enos C., assignor to Reynolds Spring Company, Jackson, Mich. Spring structure. 2,298,433; Oct. 13.
Thumim, Carl, Yeadon, and A. C. Boisseau, Lansdowne, Pa., assignors to General Electric Company. Electric circuit breaker. 2,298,778; Oct. 13.
Tillman, Richard J., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,298,519; Oct. 13.
Time, Incorporated. (See Coleman, Roy E., assignor.)
Times Telephoto Equipment Inc. (See Cooley, Austin G., assignor.)
Titus, Rolla W. (See Griffin, H. L., Robb, Titus, and Gebhardt.)
Todd, Charles E., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Tripping mechanism for automatic record changers. 2,298,988; Oct. 13.
Tomkins-Johnson Co. (See Ward, Loyd A., assignor.)
Toomey, Thomas C. (See Junkins, R. D., Toomey and Smith.)
Toy, Harry S. (See Hobson, Lloyd L., assignor.)
Tracy, Parker C. (See Moreland, S. T., Hofmann, and Tracy.)
Traupel, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Gas turbine plant. 2,298,663; Oct. 13.
Treadway, Ora E. (See Pickering, Glenroy, assignor.)
Tremblett, Verne K., Winnetka, Ill. Mailing piece. 2,298,601; Oct. 13.
Trico Products Corporation. (See Buchmann, Louis, assignor.)
Trico Products Corporation. (See Horton, E. C., and Rappl, assignors.)
Triplett, R. L. (See Remde, Jack, assignor.)
Trojan Powder Company. (See Wyler, J. A., and Wernett, assignors.)
Trucson Steel Company. (See Herr, R. F., and Carnie, assignors.)
Trump, Frederick O., Binghamton, assignor, to mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Developing apparatus. 2,299,045; Oct. 13.
Tuck, Thomas P. (See Vaughan, E. E., and Tuck.)
Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Radio relaying. 2,298,435; Oct. 13.
Turner, Luther B., Roselle Park, N. J., assignor to Jasco, Incorporated. Treatment of polymer substances. 2,298,813; Oct. 13.
Uehling, Fritz F., Passaic, N. J. Remote positioning means. 2,298,521; Oct. 13.
Ulinski, Bronislaus, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company. Stamford, Conn. Steering joint. 2,298,544; Oct. 13.
Underwood Electric & Mfg. Co. (See Jorgensen, Carther M., assignor.)
Underwood, Ernest J., Topeka, Kans. Building construction. 2,298,989; Oct. 13.
"Unichem" Chemikalien Handels A.-G. (See Hentrich, W., and Schirm, assignors.)
Union Oil Company of California. (See Carr, Donald E., assignor.)
Union Special Machine Company. (See Christensen, N. V., Le Vesconte, Sauer, and Quist, assignors.)

Union Special Machine Company. (See Johnson, Walter H., assignor.)
Union Special Machine Company. (See Kucera, Frank A., assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
Union Switch and Signal Company, The. (See Pelikan, John M., assignor.)
Union Switch & Signal Company, The. (See Young, Henry S., assignor.)
United Aircraft Products, Inc. (See Mason, J., and Benson, assignors.)
United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)
United Shoe Machinery Corporation. (See Ballard, M. H., and Stratton, assignors.)
United Shoe Machinery Corporation. (See Jalbert, Adrien L., assignor.)
United Shoe Machinery Corporation. (See Lawson, Robert H., assignor.)
United Shoe Machinery Corporation. (See Line, H. J. and James, assignors.)
United Shoe Machinery Corporation. (See Miller, Lloyd G., assignor.)
United Shoe Machinery Corporation. (See Schoenky, August R., assignor.)
United Shoe Machinery Corporation. (See Stacey, Ernest W., assignor.)
United Specialties Company. (See Erickson, Charles A., assignor.)
United States Gypsum Company. (See Youngfelt, Theodore T., assignor.)
United States Rubber Company. (See Meyer, Albert W., assignor.)
United States Vanadium Corporation. (See Burwell, Blair, assignor.)
Universal Importing Co., et al. (See Reach, Erwin.)
Universal Oil Products Company. (See Ancell, Charles H., assignor.)
Universal Oil Products Company. (See Corson, B. B., and Monroe, assignors.)
Universal Oil Products Company. (See Egloff, Gustav, assignor.)
Universal Oil Products Company. (See Ipatieff, V. N., and Pines, assignors.)
Universal Oil Products Company. (See McAfee, Jerry, assignor.)
Universal Oil Products Company. (See Read, D., Jr., and Benedict, assignors.)
Universal Oil Products Company. (See Thomas, Charles L., assignor.)
Universal Oil Products Company. (See Watson, K. M., and Smith, assignors.)
Univis Lens Company, The. (See Smith, Charles V., assignor.)
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulation. 2,298,436; Oct. 13.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulation. 2,298,437; Oct. 13.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulation system. 2,298,438; Oct. 13.
Utne, Alf, Chicago, Ill. Advertising device. 2,298,990; Oct. 13.
V. G. Manufacturing Company Limited. (See Saueressig, Johann H., assignor.)
Van Nostrand, Roscoe L., Freeport, N. Y. Record card for use in card filing systems. 2,298,991; Oct. 13.
Van Patter, Yates J., assignor to Leon Finch, Ltd., Los Angeles, Calif. Nonslip material and making same. 2,298,664; Oct. 13.
Vanselow, Waldemar. (See Weissberger, A., and Vanselow.)
Varon, Norman B., Chicago, Ill. Method of and apparatus for blocking hats. 2,298,602; Oct. 13.
Vatet, Oscar, Pleasantville, N. Y. Building construction. 2,298,319; Oct. 13.
Vaughan, Elliott E., and T. P. Tuck, Shreveport, La. Detachable combination shade and curtain rod bracket. 2,298,439; Oct. 13.
Vaughn, Sidney P., Ackerman, Miss. Mop. 2,298,320; Oct. 13.
Vickers, Harry F., and K. R. Herman, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,298,849; Oct. 13.
Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Pump or motor. 2,298,850; Oct. 13.
Vickers Incorporated. (See Miller, Raymond S., assignor.)
Vickers Incorporated. (See Vickers, H. F., and Herman, assignors.)
Vieth, Leonard, Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector. 2,298,440; Oct. 13.
Vogel, Max, assignor to Neva-Clog Products, Inc., Bridgeport, Conn. Stapling machine. 2,298,520; Oct. 13.
Vogt, Richard H., Philadelphia, Pa. Meat package and method. 2,298,779; Oct. 13.
Voices, Inc. (See Marcus, Samuel, assignor.)
Von Ravensburg, Friedrich K. F. G. (See Roesner, G., Schuster, von Ravensburg, Faber, and Riske.)
Vowles, Ernest H., assignor to Brown Engine & Machine Company, Fitchburg, Mass. Bobbin stripper. 2,298,603; Oct. 13.
Wachter, Lester W., assignor to Anthony Company, Streator, Ill. Trailer. 2,298,851; Oct. 13.
Walker, Frank H. (See Chandler, D. L., Ewing, and Walker.)
Ward Leonard Electric Company. (See Logan, Frank G., assignor.)
Ward, Loyd A., assignor to Tomkins-Johnson Co., Jackson, Mich. Actuating mechanism for riveting machines. 2,298,852; Oct. 13.
Warmisham, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective. 2,298,853; Oct. 13.
Warmisham, Arthur, and R. E. Reason, assignors to Kapella Limited, Leicester, England. Optical measuring or testing apparatus. 2,298,992; Oct. 13.
Warmisham, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective. 2,298,993; Oct. 13.
Waterman, Herbert, Collingswood, N. J., assignor to Aerovox Corporation, New Bedford, Mass. Electrolytic cell. 2,298,441; Oct. 13.
Waters, Harry F., New York, N. Y. Manufacturing bags. 2,298,522; Oct. 13.
Waters, Harry F., New York, N. Y. Coffee package. 2,298,545; Oct. 13.
Watson, Kenneth M., and R. L. Smith, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,298,442; Oct. 13.
Webb, Jervis B., Bloomfield Hills, Mich. Keystone chain. 2,298,604; Oct. 13.
Webb, John K. (See Scott, T. R., Webb, and Foord.)
Webster, Sidney H., Bogota, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Aircraft control. 2,298,523; Oct. 13.
Wehr, Alois L. (See Hutchison, M. R., and Wehr.)
Weis, Albert M., Milwaukee, Wis. Casserole. 2,298,814; Oct. 13.
Weissberger, Arnold, assignor to Eastman Kodak Company, Rochester, N. Y. Nondiffusing sulphonamide coupler for color photography. 2,298,443; Oct. 13.
Weissberger, Arnold, and W. Vanselow, assignors to Eastman Kodak Company, Rochester, N. Y. Light sensitive diazotype material. 2,298,444; Oct. 13.
Wells, Donald H., Glen Ellyn, Ill. Filter. 2,298,321; Oct. 13.
Wells, Sidney D., Combined Locks, Wis., assignor to The Institute of Paper Chemistry. Manufacture of papermaking fiber. 2,298,994; Oct. 13.
Welmaid Products. (See Callan, T. J., and Erickson, assignors.)
Weltronic Corporation. (See Leathers, Chester F., assignor.)
Welty, Albert B., Moline, Ill., assignor to International Harvester Company. Thresher. 2,298,445; Oct. 13.
Wendt, Gerhard. (See Kuhn, R., and Wendt.)
Wengel, Raymond W., assignor to Eastman Kodak Company, Rochester, N. Y. Slide changing device. 2,298,322; Oct. 13.
Wentworth, Chandler, Haddon Heights, N. J., assignor to Radio Corporation of America. Powdered metal. 2,298,908; Oct. 13.
Wernett, Edwin A. (See Wyler, J. A., and Wernett.)
Wesson, George W., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Pile-fabric sewing machine. 2,298,665; Oct. 13.
West, Frank R., Detroit, Mich. Method of and apparatus for conditioning fruits, vegetables, and the like. 2,299,046; Oct. 13.
Western Electric Company. (See Brown, George R., assignor.)
Western Electric Company. (See Jongedyk, Ralph, assignor.)
Western Electric Company. (See McCann, Paul S., assignor.)
Western Electric Company. (See Stover, Clyde N., assignor.)
Westinghouse Electric and Manufacturing Company. (See Beebe, Raymond H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clark, E. K., and Lee, assignors.)
Westinghouse Electric & Manufacturing Company. (See Dailey, Hampton J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Freeman, George A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Green, James H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hicks, V., and Merkel, assignors.)
Westinghouse Electric & Manufacturing Company. (See Rathbun, John P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Yoxsimer, O. H., and Quimper, assignors.)
Weymouth, Mason, assignor of one-fourth to W. H. Atkinson, San Francisco, Calif. Color temperature meter. 2,298,667; Oct. 13.
Wheaton, A. W., Brass Works. (See Meyer, William, assignor.)
Wheeler, John N., Hawthorne, N. Y. Thermostatic control device. 2,298,323; Oct. 13.
Whitaker, James N. (See Smith, J. E., Whitaker, and Clark.)

White, Donald F. (See Alderman, E. J., and White.)
White, Frank L. (See Brooker, L. G. S., and White.)
White, Martin L., Los Angeles, Calif. Casting machine. 2,298,446; Oct. 13.
Whitelaw, Robert N. S., Charleston, S. C. Apparatus for printing. 2,298,666; Oct. 13.
Wiklund, Lennart. (See Dahlström, Fride E., assignor.)
Will, Victor O., Pittsburgh, Pa. Multiple shot water pistol. 2,298,668; Oct. 13.
Willcox & Gibbs Sewing Machine Company. (See Cumfer, Donald A., assignor.)
Willcox & Gibbs Sewing Machine Company. (See Ogden, Floyd H., assignor.)
Williams, Glynn H. (See Kelly, J., Ostrom, and Williams.)
Williams, Harry E., and L. A. Durant, assignors to A. B. T. Manufacturing Corp., Chicago, Ill. Free-play device. 2,298,605; Oct. 13.
Williams, Ira, assignor to J. M. Huber Corporation, Borger, Tex. System for making carbon black. 2,298,325; Oct. 13.
Williams, James H. (See Ericks, W. P., and Williams.)
Williams, Robert R., Roselle, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical conductor. 2,298,324; Oct. 13.
Willis, Bernard D., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,298,909; Oct. 13.
Willis, Bernard D., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic switch. 2,298,910; Oct. 13.
Wilson, Allan M., Clydebank, Scotland. Soot blower. 2,298,995; Oct. 13.
Wilson, Thad, Gary, Ind., assignor to Biddie In A Basket, Inc. Griddle. 2,298,780; Oct. 13.
Winans, Robert C., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic discharge device. 2,299,047; Oct. 13.
Wingfoot Corporation. (See Harpfer, Donald E., assignor.)
Wingfoot Corporation. (See Kimmich, E. G., and Cutler, assignors.)
Wingfoot Corporation. (See Lichty, J. G., and D'Ianni, assignors.)
Wingfoot Corporation. (See Merrill, James A., assignor.)
Wingfoot Corporation. (See Scott, Winfield, assignor.)
Wingfoot Corporation. (See Zimmerman, Charles H., assignor.)
Winlock, Joseph, and J. J. MacKinney, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Electrode dressing tool. 2,298,633; Oct. 13.
Winthrop Chemical Company. (See Kuhn, R., and Wendt, assignors.)
Winthrop Chemical Company. (See Stauf, F. W., and Janning, assignors.)
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Beverage brewing device. 2,298,854; Oct. 13.
Wood, Edward L., Detroit, Mich. Wheel trim securing means. 2,298,669; Oct. 13.
Woods, John E., Brookline, assignor to Clifford Manufacturing Co., Boston, Mass. Heat exchange apparatus. 2,298,996; Oct. 13.
Worm, Erwin A., Jr., Oswego, N. Y., assignor to Armstrong Cork Company, Lancaster, Pa. Vibration and sound damping material. 2,298,326; Oct. 13.
Wren, Julian T., Jefferson City, Mo. Fan. 2,298,606; Oct. 13.
Wright Aeronautical Corporation. (See Jackes, Herman D., Jr., assignor.)
Wright Aeronautical Corporation. (See Ovens, William G., assignor.)
Wright, Donald L., Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Lubricant. 2,298,855; Oct. 13.
Wright, Theodore M., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Automatic phonograph. 2,298,447; Oct. 13.
Wurlitzer, Rudolph, Company, The. (See Wright, Theodore M., assignor.)
Wyler, Joseph A., and E. A. Wernett, assignors to Trojan Powder Company, Allentown, Pa. Purification of pentaerythritol. 2,299,048; Oct. 13.
Wyrick, Clayton E., assignor to The Egry Register Company, Dayton, Ohio. Counterpack register. 2,298,327; Oct. 13.
Yale & Towne Manufacturing Company, The. (See Potter, R. S., and Bennett, assignors.)
Yale & Towne Manufacturing Company, The. (See Ulinski, Bronislaus, assignor.)
Yauck, Edwin C., Brighton, and J. Dessauer, Irondequoit, assignors to The Haloid Company, Rochester, N. Y. Photograph film. 2,298,997; Oct. 13.
Yawger, Ernest S., Jr., assignor to Crown Can Company, Philadelphia, Pa. Watermelon juice and preparing same. 2,298,328; Oct. 13.
Young, Charles J., Ardmore, Pa., assignor to Radio Corporation of America. Optical system for facsimile transmitters. 2,298,911; Oct. 13.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,298,815; Oct. 13.
Youngfelt, Theodore T., Hinsdale, assignor to United States Gypsum Company, Chicago, Ill. Punching machine. 2,299,062; Oct. 13.
Yoxsimer, Orland H., and A. A. Quimper, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,298,546; Oct. 13.
Ziebolz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Scoop tube control for hydraulic couplings. 2,299,049; Oct. 13.
Zimmerman, Charles H., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Mold. 2,298,729; Oct. 13.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Gas turbine plant. A. Lysholm. Re. 22,201; Oct. 13.
Gate, Starting. D. J. Bosio and H. C. Puett. Re. 22,203; Oct. 13.
Hydraulic continuous press. W. C. Richardson. Re. 22,200; Oct. 13.
Screen. C. H. Nordell. Re. 22,199; Oct. 13.
Synthetic compost for mushroom culture. B. B. Stoller. Re. 22,202; Oct. 13.

LIST OF PLANT INVENTIONS

Nectarine. F. W. Anderson. 549; Oct. 13.
Orange, Seedless navel. D. J. Nicholson. 548; Oct. 13.
Plant, Rose. G. Janssen. 550; Oct. 13.
Plant, Rose. W. I. Johnston. 551; Oct. 13.

LIST OF DESIGN INVENTIONS

Badge or similar article. W. C. Peters. 134,068; Oct. 13.
Bottle. R. M. Clark. 134,077; Oct. 13.
Bottle. F. McIntosh. 134,059; Oct. 13.
Brooch or similar articles. J. S. Suarez. 134,069–70; Oct. 13.
Button. Sew-on. C. Nilsen. 134,055; Oct. 13.
Case or the like, Cosmetic. A. R. Botham. 134,053; Oct. 13.
Case, Traveling. F. N. Lewis. 134,083; Oct. 13.
Chair. H. P. Glass. 134,040; Oct. 13.
Chest-on-chest. D. C. Witmanf. 134,063; Oct. 13.
Collar, Dog. S. Johnson. 134,073; Oct. 13.
Compact. D. W. Dunberg. 134,055; Oct. 13.
Container, Cosmetic. R. T. Christy. 134,039; Oct. 13.
Container, Dispensing. L. K. Canfield. 134,054; Oct. 13.
Container for liquids, Portable. W. B. Johnson. 134,056; Oct. 13.
Container, Twine. W. R. Neill and M. T. Minor. 134,052; Oct. 13.
Cosmetic powder container and applicator, Combined. A. E. Vaughn. 134,044; Oct. 13.
Couch or similar article. L. Tschernjakow and T. H. Robsjohn-Gibbings. 134,043; Oct. 13.
Crib, Miniature. E. Herz. 134,065; Oct. 13.
Dispenser. C. R. Bennett. 134,038; Oct. 13.
Doll. A. M. Agopoff and R. A. Freundlich. 134,089; Oct. 13.
Dress. F. C. Brogan. 134,091; Oct. 13.
Dress. G. Constantine. 134,048; Oct. 13.
Dress. S. Faden. 134,092; Oct. 13.
Dress. S. Franklin. 134,093–4; Oct. 13.
Dress. A. Gershuny. 134,095–6; Oct. 13.
Dress. E. M. Horblit. 134,097; Oct. 13.
Dress. B. Moye. 134,099–100; Oct. 13.
Dress. S. Riesenberg. 134,103; Oct. 13.
Dress. D. R. Sadowsky. 134,104; Oct. 13.
Dress, Culotte uniform. H. Moshontz. 134,050–1; Oct. 13.
Dresser. D. C. Witman. 134,062; Oct. 13.
Electric soldering iron. A. L. Johnson. 134,042; Oct. 13.
Fabric or similar article, Liturgical. A. Baumgartner. 134,076; Oct. 13.
Fabric or similar article, Liturgical. A. Baumgartner. 134,090; Oct. 13.
Fabric or similar article, Textile. M. A. Susi. 134,105; Oct. 13.
Fabric or similar article, Textile. M. A. Susi. 134,107; Oct. 13.
Fabric, Textile. H. W. Wilde. 134,086; Oct. 13.
Garment, Combination. A. S. Menzin. 134,084; Oct. 13.
Gas detector. O. G. Bennett. 134,047; Oct. 13.
Hat banding or similar article. L. Greenspan. 134,041; Oct. 13.
Hearing aid apparatus case. W. D. Penn. 134,060; Oct. 13.
Jacket. B. Moye. 134,098; Oct. 13.
Jacket. B. Moye. 134,101–2; Oct. 13.
Lace trimming, Embroidered. H. Krieger. 134,106; Oct. 13.
Lighting fixture. H. N. Gordon. 134,079–81; Oct. 13.
Manger, Miniature. S. Buck. 134,072; Oct. 13.
Multiple envelope or similar package. L. L. Salfisberg. 134,061; Oct. 13.
Musical wind instrument. J. Hommer. 134,066; Oct. 13.
Photographic easel album or similar article. A. Tepel. 134,075; Oct. 13.
Rack, Shoe sterilizer drain. W. A. Higgins. 134,082; Oct. 13.
Range finder. R. F. Loewy. 134,058; Oct. 13.
Ring. A. Phillipe. 134,087–8; Oct. 13.
Rosary. J. McNamee. 134,067; Oct. 13.
Shelf or the like. C. E. Wilkinson. 134,046; Oct. 13.
Shirt, Sport. L. M. Fisch. 134,078; Oct. 13.
Shoe or similar article. D. E. Levin. 134,057; Oct. 13.
Shrine, Miniature. E. Herz. 134,064; Oct. 13.
Sign, Advertising. P. Wendell. 134,071; Oct. 13.
Soap, Cake of. G. Voorhis. 134,045; Oct. 13.
Spectacles, Pair of semirimless. J. J. Rohrbach. 134,074; Oct. 13.
Toy, Child's. W. G. Fletcher. 134,049; Oct. 13.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive control unit. L. L. Hobson. 2,298,564; Oct. 13.
Absorber for straddle trucks, Shock. H. N. Dimick. 2,298,529; Oct. 13.
Accumulator for supplying liquid under pressure. E. A. Rockwell. 2,298,512; Oct. 13.
Acetic anhydride, Manufacture of. H. Dreyfus. 2,298,354; Oct. 13.
Actuating mechanism for riveting machines. L. A. Ward. 2,298,852; Oct. 13.
Actuator. C. E. Meyerhoefer. 2,298,802; Oct. 13.
Advertising device. A. Utne. 2,298,990; Oct. 13.
Aerial transportation. F. Alabrune. 2,298,912; Oct. 13.
Air handling apparatus. R. H. McElroy and G. R. Mumma. 2,298,576; Oct. 13.
Air separator. L. M. Kinard. 2,299,022; Oct. 13.
Aircraft control. S. H. Webster. 2,298,523; Oct. 13.
Airplane toy, Bombing. R. J. Lohr and R. N. Carver. 2,298,951; Oct. 13.
Alarm system. G. G. N. Purcell. 2,298,840; Oct. 13.
Alkyl catechol. W. H. Hartung. 2,298,291; Oct. 13.
Alkylation, Reductive. W. S. Emerson. 2,298,294; Oct. 13.
Alkyiol guanidines, Symmetrical disubstituted. W. P. Ericks and J. H. Williams. 2,299,012; Oct. 13.
Alpha haloacrylonitriles. J. G. Lichty and J. D. D'Ianni. 2,298,739; Oct. 13.
Amines and pharmaceutical compositions thereof, Secondary β phenyl propyl. R. S. Shelton. 2,298,630; Oct. 13.
Amplification with high frequency. J. W. McRae. 2,298,960; Oct. 13.
Anchor, Pump. J. Kelly, E. W. Ostrom and G. H. Williams. 2,298,567; Oct. 13.
Animal trap. S. Abbott. 2,298,634; Oct. 13.
Antenna. A. B. Bailey. 2,298,449; Oct. 13.
Antenna resistor, Dummy. D. T. Siegel and H. E. Lense. 2,298,315; Oct. 13.
Antioxidant. C. F. Gibbs. 2,298,881; Oct. 13.
Apparatus and method for making chilled products. J. Schaub. 2,298,903; Oct. 13.
Apparatus for catalytic cracking. L. C. Rubin, W. B. Montgomery and W. J. Degnen. 2,298,593; Oct. 13.
Apparatus for debeading tires. E. A. Davis. 2,298,685; Oct. 13.
Apparatus for destroying noxious plants. H. L. Diller. 2,298,755; Oct. 13.
Apparatus for forming belting. J. E. and R. Foerch. 2,298,690; Oct. 13.
Apparatus for gravel packing wells. H. M. McClain. 2,299,057; Oct. 13.
Apparatus for printing. R. N. S. Whitelaw. 2,298,666; Oct. 13.
Apparatus for taking flashlight pictures. J. Mihalyi. 2,298,403; Oct. 13.
Apparatus for tempering glass. B. Long. 2,298,709; Oct. 13.
Apparatus for treating steam. M. Frisch. 2,298,287; Oct. 13.
Apparatus for waxing vegetables. H. Siewing, Jr. 2,298,631; Oct. 13.
Applicator and container. E. C. Kaye. 2,298,534; Oct. 13.
Arm assembly, Rocker. H. G. Smith. 2,298,981; Oct. 13.
Arrangement for painting. F. E. Dahlström. 2,298,682; Oct. 13.
Articulative voice. S. Marcus. 2,299,023; Oct. 13.
Asphalt emulsions, Producing. D. E. Carr. 2,298,612; Oct. 13.
Assembling machine. H. Lane and C. H. James 2,298,389; Oct. 13.
Attachment for filling machines. B. A. E. Johnson 2,299,064; Oct. 13.
Attachment for railway cars. D. F. Moore. 2,298,715; Oct. 13.
Attachment for slidable drawers in ovens of stoves or ranges. G. E. Dexter. 2,299,052; Oct. 13.
Attachment for stapling machines. J. T. Dalton. 2,298,683–4; Oct. 13.
Attachment for typewriters. A. M. Larose. 2,298,742; Oct. 13.
Automatic switch. B. D. Willis. 2,298,910; Oct. 13.
Automobile door lock. H. M. Fredholm. 2,298,559; Oct. 13.
Automotive vehicle. C. S. Ash. 2,298,334; Oct. 13.
Automotive vehicle. F. de L. Brown. 2,299,006; Oct. 13.
Back water valve. R. F. Davisson. 2,298,551; Oct. 13.
Bacterial culture and production thereof. A. A. Hendrickson. 2,298,561; Oct. 13.
Bag: *See*—
  Ice or hot water breast bag.
Bags, Manufacturing. H. F. Waters. 2,298,522; Oct. 13.
Ball joint. R. Tampler. 2,298,642; Oct. 13.
Barrel filler, Self-closing. W. Meyer. 2,298,801; Oct. 13.
Belt, Body. H. C. Staley, Jr. 2,298,659; Oct. 13.
Belt or other carrying article with pocket. B. Stember. 2,298,600; Oct. 13.
Beryllium oxide or hydroxide, Production of. R. H. McKee. 2,298,800; Oct. 13.
Bicycle, Spring fork. J. S. Manton. 2,298,494; Oct. 13.
Billfold and purse, Combination. E. Hyatt. 2,298,945; Oct. 13.
Binder. I. Spinner. 2,299,061; Oct. 13.
Binder, Load. W. J. MacKay and J. T. Bolen. 2,298,710; Oct. 13.
Bituminous paint. A. Holmes. 2,298,793; Oct. 13.
Blade attachment, Saw. C. Dodegge. 2,298,643; Oct. 13.
Blade, Protected. H. Gambrill, Jr. 2,298,362; Oct. 13.
Block for clamshell bucket or the like, Head sheave. E. L. Harrington. 2,298,788; Oct. 13.
Block molding machine. E. O. Blackwell. 2,298,458; Oct. 13.
Blocking hats, Method of and apparatus for. N. B. Varon. 2,298,602; Oct. 13.
Boat, Two-section or knock-down. W. M. Moats. 2,298,714; Oct. 13.
Bobbin stripper. E. H. Vowles. 2,298,603; Oct. 13.
Boiler feeder. L. M. Reed. 2,299,033; Oct. 13.
Boiler flue protector. C. C. Clark. 2,298,857; Oct. 13.
Bolt, Self-heading. E. M. Du Vall. 2,298,552; Oct. 13.
Bottle blowing apparatus. L. D. Soubier and A. E. Scheuerman. 2,298,728; Oct. 13.
Bowling pin setting machine control mechanism. P. M Nejedly. 2,298,718; Oct. 13.
Box: *See*—
  Foldable cardboard box. Wagon box.
  Single compartment citrus box.
Bracket: *See*—
  Shade and curtain rod bracket. Venetian blind tilt bay bracket.
Bracket, etc., Venetian blind hold-down. H. K. Lorentzen. 2,298,892; Oct. 13.
Brake control, Hydraulic. J. G. Phipps. 2,298,509; Oct. 13.
Brake system, Fluid. J. A. Redd. 2,298,628; Oct. 13.
Braking system, Fluid pressure. H. C. Bowen. 2,298,856; Oct. 13.
Brewing device, Beverage. F. E. Wolcott. 2,298,854; Oct. 13.
Broaching machine. P. F. Rossmann. 2,298,647; Oct. 13.
Building construction. E. J. Underwood. 2,298,989; Oct. 13.
Building construction. O. Vatet. 2,298,319; Oct. 13.
Bulb, Luminescent lamp. J. B. J. M. Abadie. 2,298,581; Oct. 13.
Cable: *See*—
  Electric power cable.
Calculating machine. E. H. Dreher. 2,298,353; Oct. 13.
Calipering mechanism. G. Goebel and S. A. Chantland. 2,298,368; Oct. 13.
Camera. G. Fassin. 2,298,787; Oct. 13.
Camera shutter speed controller and switch. M. R. Hutchison, Jr., and A. L. Wehr. 2,298,382; Oct. 13.
Camera structure. M. L. Lockhart. 2,298,574; Oct. 13.
Camping equipment. R. W. Gorton. 2,298,619; Oct. 13.
Capsules, Fabricating. R. P. Scherer. 2,299,039; Oct. 13.
Car: *See*—
  Refrigerator car.
Carbon black, System for making. I. Williams. 2,298,325; Oct. 13.
Carbureting device. H. Hersch. 2,298,563; Oct. 13.
Carburizing container. H. H. Harris. 2,298,883; Oct. 13.
Card verifier. R. W. Ritzert. 2,298,416; Oct. 13.
Card with index-insert pocket, Guide. H. L. Lindberg. 2,298,571; Oct. 13.
Carrier: *See*—
  Lantern slide carrier.
Carton, Display. E. J. Novak. 2,299,027; Oct. 13.
Case: *See*—
  Display case. Refrigerated display case.
Casing for flashlights, Waterproof. H. Rothenberg and L. C. Grimsley. 2,299,035; Oct. 13.
Casserole. A. M. Weis. 2,298,814; Oct. 13.
Cassette H. L. Raffman. 2,298,587; Oct. 13.
Casting machine. M. L. White. 2,298,446; Oct. 13.

Catalytic oxidation of ketones. W. Flemming. 2,299,013; Oct. 13.
Cave mining method and plant, Block. M. A. Smith. 2,298,599; Oct. 13.
Chain: *See*—
Conveyor chain. Keystone chain.
Chain. D. S. Ross. 2,298,591; Oct. 13.
Chair back. D. D. Hunting. 2,298,886; Oct. 13.
Changing device, Slide. R. W. Wengel. 2,298,322; Oct. 13.
Chemical titration method. C. A. Shillinglaw and M. Levine. 2,298,976; Oct. 13.
Chessboard, Mechanical. F. Benkö. 2,298,456; Oct. 13.
Cigarette and match package. H. Schneider. 2,298,595; Oct. 13.
Circuit: *See*—
Low frequency reinserting circuit. Signal transmission circuit.
Circuit breaker system, Automatic reclosing. A. E. Anderson. 2,298,817; Oct. 13.
Circuit for molding work pieces. W. Ernst. 2,298,358; Oct. 13.
Clamp. R. R. Harrison. 2,298,560; Oct. 13.
Clamp device for hair tinting. G. M. Hoffman. 2,299,017–8; Oct. 13.
Cleaner: *See*—
Windshield cleaner.
Cleaner for oil wells, Paraffine. C. A. and A. C. Still. 2,298,985; Oct. 13.
Clip: *See*—
Wall tile clip.
Closure for high-pressure heads, Sealing. J. P. Rathbun. 2,298,511; Oct. 13.
Closure, Protective. H. C. Harvey. 2,298,480; Oct. 13.
Cloth-treating apparatus. P. A. Sperry. 2,298,906; Oct. 13.
Clutch: *See*—
Friction clutch. Spring clutch.
Clutch plate. H. Nutt and H. V. Reed. 2,299,028; Oct. 13.
Coated glass fabric. C. S. Hyatt and J. C. Lowman. 2,298,295; Oct. 13.
Coating and manufacture, Fluorescent. W. A. Roberts and H. T. Geissbuhler. 2,298,968; Oct. 13.
Coating machine. J. H. Gordon, Jr. 2,298,289; Oct. 13.
Coating paper, Method of and apparatus for. C. J. Merrill. 2,299,026; Oct. 13.
Coating, Protective. H. W. Rogers. 2,298,513; Oct. 13.
Coil handling apparatus. F. Z. Fouse. 2,298,759; Oct. 13.
Coin dividing mechanism for coin operated machines. E. C. Mueller. 2,298,500; Oct. 13.
Coin freed franking machine. H. N. Soper. 2,299,042; Oct. 13.
Collar, Safety. T. A. Rice. 2,298,723; Oct. 13.
Collector, Coin. L. Vieth. 2,298,440; Oct. 13.
Color temperature meter. M. Weymouth. 2,298,667; Oct. 13.
Combustion control. A. C. Grant. 2,298,825; Oct. 13.
Compartment construction, Glove. F. G. Richardson and G. T. Balfe. 2,298,415; Oct. 13.
Condensation product, Capillary active. W. Hentrich and E. Schirm. 2,298,533; Oct. 13.
Condenser: *See*—
Electrical condenser.
Connecting means for shaker conveyor trough lines. R. S. Bigelow. 2,299,005; Oct. 13.
Connector: *See*—
Electrical connector.
Connector device. P. A. Jantzen. 2,298,385; Oct. 13.
Connector for electrical conductors or the like. J. H. Saueressig. 2,299,037; Oct. 13.
Contact protection. A. M. Curtis. 2,298,468; Oct. 13.
Container: *See*—
Applicator and container. Envelope or container.
Carburizing container. Razor blade container.
Container. J. M. Hothersall. 2,298,293; Oct. 13.
Container. G. W. Reese. 2,298,311; Oct. 13.
Control device. C. F. Hadden. 2,298,761; Oct. 13.
Control mechanism. L. G. Miller. 2,298,407; Oct. 13
Control system. J. W. Cooke. 2,298,821; Oct. 13.
Control system. M. A. Edwards and F. Mohler. 2,298,877; Oct. 13.
Control system. P. F. Shivers. 2,298,810; Oct. 13.
Control system for cyclically operating machines. O. M. Bundy. 2,299,007; Oct. 13.
Control system for phonographs. H. T. Sherman. 2,298,727; Oct. 13.
Controlling apparatus for strip feeding mechanism, Automatic. W. F. Longfield. 2,298,492; Oct. 13.
Conveyer loading device. V. I. Dudley. 2,298,472; Oct. 13.
Conveyor chain. C. S. Jennings. 2,298,586; Oct. 13
Conveyor, Highway maintainer. E. W. Bayes. 2,298,671; Oct. 13.
Conveyor system. P. S. McCann. 2,298,829; Oct. 13.
Conveyor system, Industrial. S. L. G. Knox. 2,298,704; Oct. 13.
Copper sweetening hydrocarbon oils. D. Read, Jr., and W. L. Benedict. 2,298,411; Oct. 13.
Core removing machine. M. E. Bachleda. 2,298,266; Oct. 13.
Corn husking machine. R. Cover. 2,298,550; Oct. 13.
Corn sheller attachment. J. D. McGillis. 2,298,830; Oct. 13.
Corrosion cutter. J. W. Shelburne. 2,298,975; Oct. 13.
Coupler for color photography, Nondiffusing sulphonamide. A. Weissberger. 2,298,443; Oct. 13.
Cover: *See*—
Keyboard cover. Sanitary seat cover.
Crayon holder. F. V. Orling. 2,298,721; Oct. 13.
Crystal controlled oscillation generator. G. P. Parker. 2,298,774; Oct. 13.
Cushion device for pedestal type trucks. R. B. Cottrell. 2,299,051; Oct. 13.
Cutout. W. O. Schultz. 2,298,972; Oct. 13.
Cutter: *See*—
Corrosion cutter. Tape dispenser and cutter.
Flock cutter.
Damping material, Vibration and sound. E. A. Worm, Jr. 2,298,326; Oct. 13.
Decorative product. W. W. Rowe. 2,298,592; Oct. 13.
Dental impression composition. S. E. Noyes. 2,298,835; Oct. 13.
Detergent composition. J. C. Harris. 2,298,696; Oct. 13.
Detergent composition, Particulate. N. N. T. Samaras and J. C. Harris. 2,298,650; Oct. 13.
Detergent, Particulate solid. N. N. T. Samaras and J. C. Harris. 2,298,651; Oct. 13.
Developing apparatus. F. O. Trump. 2,299,045; Oct. 13.
Device for controlling temperature. J. McAfee. 2,298,399; Oct. 13.
Device for treating textile fabrications on forms. W. M. Schwartz. 2,299,040; Oct. 13.
Diazotype material, Light sensitive. A. Weissberger and W. Vanselow. 2,298,444; Oct. 13.
Die: *See*—
Right and left fourchette die.
Differential pressure control mechanism. V. Dahlman. 2,298,469; Oct. 13.
Dimmer switch. A. A. Bluemle. 2,298,782; Oct. 13.
Dispenser: *See*—
Tag dispenser.
Dispensing closure. D. H. Segerlund. 2,298,655; Oct. 13.
Dispensing device, Cup. S. N. Hope. 2,298,884; Oct. 13.
Display case. E. J. Klassen. 2,298,790; Oct. 13.
Display device. H. W. Hayes. 2,298,940; Oct. 13.
Display device for containers. H. L. Myers. 2,298,897; Oct. 13.
Disposal unit. E. O. Scheerer. 2,299,065; Oct. 13.
Distillation, Fractional. E. C. Hughes. 2,298,294; Oct. 13.
Door operator. R. S. Potter and M. D. Bennett. 2,298,542; Oct. 13.
Dressings, Wrapping first aid. H. Ganz. 2,298,363; Oct. 13.
Drier: *See*—
Laundry drier.
Drill: *See*—
Rock drill.
Drilling machine, Automatic. A. Simons. 2,298,979; Oct. 13.
Drive mechanism. H. W. Krag. 2,298,535; Oct. 13.
Drying apparatus, Hair. G. M. Shinn and L. B. James. 2,298,426; Oct. 13.
Dumping body. S. E. Smith. 2,298,982; Oct. 13.
Dye and photographic material containing the same Filter. L. G. S. Brooker and R. Sprague. 2,298,733; Oct. 13.
Dyestuff, Azo. E. E. Misslin and R. Thomann. 2,298,303; Oct. 13.
Dynamometers, Designing. A. R. Rogowski. 2,298,725; Oct. 13.
Electric attachment plug. W. J. Scrimshaw. 2,298,973; Oct. 13.
Electric cables, Making. G. R. Brown. 2,298,748; Oct. 13.
Electric circuit breaker. C. Y. Thumin and A. C. Boisseau. 2,298,778; Oct. 13.
Electric circuit breaker, Alternating current. A. Allan and D. F. Amer. 2,298,859; Oct. 13.
Electric circuit interrupter. R. Paxton. 2,298,838; Oct. 13.
Electric control system for hosiery treating machines. W. M. Schwartz. 2,299,041; Oct. 13.
Electric controlling apparatus. W. Humphreys. 2,299,056; Oct. 13.
Electric controlling apparatus. F. G. Logan. 2,298,536; Oct. 13.
Electric current generation, System of. E. Silber and V. Roosa. 2,298,977; Oct. 13.
Electric discharge apparatus. W. J. Scott and L. J. Davies. 2,298,904; Oct. 13.
Electric discharge device. R. W. Reitherman and C. M. Rowell. 2,298,589; Oct. 13.
Electric dynamometer. K. R. McDougal. 2,298,894; Oct. 13.
Electric lamp, Portable. F. V. Fischer. 2,298,758; Oct. 13.
Electric motor. G. E. Gray. 2,298,735; Oct. 13.
Electric motor. E. Kalish. 2,298,701; Oct. 13.
Electric outlet, Controllable flush. D. S. Ross. 2,298,313; Oct. 13.
Electric power cable. T. R. Scott, J. K. Webb and S. G. Foord. 2,298,654; Oct. 13.
Electric signaling system. W. A. Beatty. 2,298,922; Oct. 13.

Electric switch. C. A. Schaefer. 2,299,038; Oct. 13.
Electric switch mechanism. V. W. Leonard. 2,298,890; Oct. 13.
Electric switchgear. B. W. Mahoney. 2,298,828; Oct. 13.
Electric timer. C. F. Leathers. 2,298,570; Oct. 13.
Electric wave amplification. C. R. Burrows. 2,298,926; Oct. 13.
Electrical coil. A. K. Bohren. 2,298,275; Oct. 13.
Electrical condenser. C. M. Jorgensen. 2,298,766; Oct. 13.
Electrical conductor. R. R. Williams. 2,298,324; Oct. 13.
Electrical connector. L. Cogsdill. 2,298,615; Oct. 13.
Electrical connector. E. C. Conrad. 2,298,822; Oct. 13.
Electrical contact. W. T. Allen. 2,298,999–9,000; Oct. 13.
Electrical contact control device. R. J. Little. 2,298,573; Oct. 13.
Electrical detector base. A. Ferris. 2,298,689; Oct. 13.
Electrical discharge device. R. Pellmann. 2,298,965; Oct. 13.
Electrical interlock switch. E. D. Thorne. 2,298,518; Oct. 13.
Electrical liquid-level indicator. W. T. Marchment. 2,298,954; Oct. 13.
Electrical measuring instrument. J. Remde. 2,298,412; Oct. 13.
Electrical plug and receptacle. E. P. Brus. 2,298,342; Oct. 13.
Electrical process for breaking steel bars. O. S. de Causse. 2,298,528; Oct. 13.
Electrical step motor uniform step movement. L. Holland-Letz. 2,298,621; Oct. 13.
Electrical timing device. P. J. Dugan. 2,298,687; Oct. 13.
Electrically heated boot. M. F. Joy and E. E. Shepardson. 2,298,299; Oct. 13.
Electrically heated garment. M. F. Joy and E. E. Shepardson. 2,298,298; Oct. 13.
Electrode dressing tool. J. and J. J. Winlock. 2,298,633; Oct. 13.
Electrolytic cell. H. Waterman. 2,298,441; Oct. 13.
Electron discharge device. H. J. Dailey. 2,298,929; Oct. 13.
Electron discharge device and circuits, Double cathode. C. H. Brown and W. van B. Roberts. 2,298,673; Oct. 13.
Electron discharge tube, Demountable. C. V. Litton. 2,298,950; Oct. 13.
Electronic discharge device. R. C. Winans. 2,299,047; Oct. 13.
Electro-optical system and apparatus. A. G. Cooley. 2,298,406; Oct. 13.
Electroplating. W. J. Harshaw and K. E. Long. 2,299,054; Oct. 13.
Electrostatic precipitating plate. H. W. Pound and M. K. Rush. 2,298,510; Oct. 13.
Element, Control. F. L. Creager. 2,298,858; Oct. 13.
Elevator. A. J. and K. T. Penick. 2,298,507; Oct. 13.
End loading tumbling mill. N. Ransohoff. 2,299,032; Oct. 13.
Engine: *See*—
Rotary internal combustion engine.
Engine starting mechanism. R. M. Nardone. 2,298,717; Oct. 13.
Envelope or container. A. S. Chandler. 2,298,616; Oct. 13.
Esters of acids derived from petroleum, Chlorinated. G. Alleman and J. H. Perrine. 2,298,670; Oct. 13.
Ether derivatives of Vitamin B_6 and making the same. R. Kuhn and G. Wendt. 2,298,490; Oct. 13.
Expanding and flaring tool. E. A. Key and R. E. Baker. 2,298,703; Oct. 13.
Expansion valve. A. B. Newton. 2,298,804; Oct. 13.
Extension device. H. L. De Lisle. 2,299,008; Oct. 13.
Eyeglass construction. G. E. Nerney. 2,298,502; Oct. 13.
Fabric: *See*—
Coated glass fabric.
Fabric on flat knitting machines, Widening. S. C. Mack. 2,298,302; Oct. 13.
Facsimile page printer, Double image. C. W. Burcky and E. A. Gubisch. 2,298,276; Oct. 13.
Fan. J. T. Wren. 2,298,606; Oct. 13.
Fan construction for air-cooled engines. C. T. Doman. 2,299,010; Oct. 13.
Fan unit, Exhaust. W. J. Campbell. 2,298,677; Oct. 13.
Fastener: *See*—
Sheet metal fastener.
Fatty acids, Separating. L. D. Myers and V. J. Muckerheide. 2,298,501; Oct. 13.
Feed device for portable tools. H. Milberg. 2,298,772; Oct. 13.
Feed device for the thread guide means of cop winding machines, Automatic. A. Brügger. 2,298,819; Oct. 13.
Feed grinding machine. H. J. Mankoff. 2,298,712; Oct. 13.
Feed leg control for stoping drills. M. O'Farrell. 2,298,720; Oct. 13.
Feeder: *See*—
Boiler feeder.
Feeding device, Automatic. J. Mason and C. O. Benson. 2,298,955; Oct. 13.
Fiber, Manufacture of papermaking. S. D. Wells. 2,298,994; Oct. 13.
Field structure, Laminated. M. Knobel. 2,298,388; Oct. 13.
Filaments of high impact strength and making same, Synthetic polyamide. W. E. Catlin. 2,298,868; Oct. 13.
Filaments to leads, Method and machine for securely clamping. J. H. Green. 2,298,937; Oct. 13.
File for papers and the like. L. L. Kearney. 2,298,889; Oct. 13.
Filling machine. H. R. Baldwin. 2,299,003; Oct. 13.
Film processing tank. W. E. Naylor and L. R. Fink. 2,298,963; Oct. 13.
Film winder. W. W. Boes. 2,298,339; Oct. 13.
Filter: *See*—
Oil filter.
Filter. D. H. Wells. 2,298,321; Oct. 13.
Filter and producing same. E. C. Sloan and A. H. Eberman. 2,298,980; Oct. 13.
Firecracker cannon. E. D. Bonewitz. 2,298,609; Oct. 13.
Fish holding device. W. F. Miron. 2,298,580; Oct. 13.
Fish lure. W. R. Greggains. 2,298,691; Oct. 13.
Fish lure. A. Sisco. 2,298,811; Oct. 13.
Fishing reel. J. H. Hayes. 2,298,481; Oct. 13.
Flag holder. A. Liermann. 2,298,744; Oct. 13.
Flame furnace, Luminous. P. K. Richardson. 2,298,842; Oct. 13.
Flock cutter. A. Hauge. 2,298,292; Oct. 13.
Floor stand. B. Slanhoff. 2,298,427; Oct. 13.
Fluid control for hydrostatic systems, Automatic. C. Sauzedde. 2,298,314; Oct. 13.
Fluid, Nonfoaming cooling. L. J. Clapsadle. 2,298,465; Oct. 13.
Fluid operated slow-down mechanism for presses. P. J. Lindner. 2,298,393; Oct. 13.
Fluid pressure producing device. H. C. Swift. 2,298,848; Oct. 13.
Fluorescent lamp. E. F. Miller. 2,298,961; Oct. 13.
Fluoroscopic and radiographic equipment, Biplanar. V. Hicks and E. E. Merkel. 2,298,942; Oct. 13.
Fodder, Preservation of green. F. W. Stauf and G. Janning. 2,298,514; Oct. 13.
Foldable cardboard box. M. Hyndman. 2,298,565; Oct. 13.
Folding machine. B. Beatty. 2,298,454; Oct. 13.
Food paste articles, Method of and device for the production of. C. Hummel. 2,298,644; Oct. 13.
Food product and producing the same, Novel. W. M. Clark. 2,298,278; Oct. 13.
Forging machine. W. W. Criley. 2,298,467; Oct. 13.
Form for concrete arch constructions. W. A. Porter. 2,298,839; Oct. 13.
4-methyl hydroxy coumarins, Preparation of. A. B. Boese, Jr. 2,298,459; Oct. 13.
Free-play device. H. E. Williams and L. A. Durant. 2,298,605; Oct. 13.
Frequency modulation. G. L. Usselman. 2,298,436–7; Oct. 13.
Frequency modulation system. L. K. Sandor. 2,299,059; Oct. 13.
Frequency modulation system. G. L. Usselman. 2,298,438; Oct. 13.
Friction clutch. H. Nutt. 2,299,029; Oct. 13.
Fruit orientator with linear driving member. E. W. Carroll. 2,298,614; Oct. 13.
Fruits, vegetables, and the like, Method of and apparatus for conditioning. F. R. West. 2,299,046; Oct. 13.
Fuel injection pump. E. C. Gambrell. 2,298,936; Oct. 13.
Furnace: *See*—
Flame furnace.
Game. E. V. P. Albosta. 2,298,998; Oct. 13.
Game construction. M. A. Klemm. 2,298,300; Oct. 13.
Garment drying hanger. E. Lamar. 2,298,491; Oct. 13.
Garment, Foundation. E. D. Kattermann and E. P. Scriggins. 2,298,737; Oct. 13.
Gas turbine plant. W. Traupel. 2,298,663; Oct. 13.
Gas valve. C. C. Lamar. 2,298,771; Oct. 13.
Gases, Treatment of hydrocarbon. W. A. Schulze and J. R. Owen. 2,298,641; Oct. 13.
Gasoline meter. G. B. Peebles. 2,299,030; Oct. 13.
Gauge: *See*—
Liquid level gauge.
Machinist's internal testing gauge.
Gauge for measuring or checking dimensions. J. Oswin. 2,298,898; Oct. 13.
Gear finishing. R. S. Drummond. 2,298,471; Oct. 13.
Gear for boats, aircraft, or other mobile units, Control. H. Scott-Paine and V. G. Bull. 2,298,653; Oct. 13.
Generator: *See*—
Crystal controlled oscillation generator. Steam generator.
Glass and mounting therefor, Laminated. B. J. Dennison and F. F. Painter. 2,298,874; Oct. 13.
Glass composition and product thereof. H. R. Moulton. 2,298,746; Oct. 13.

Glove for either hand. M. L. McClurken. 2,298,959; Oct. 13.
Governor for regulating speed of water wheels. N. J. Pepin. 2,298,964; Oct. 13.
Grain removing device. L. J. Applegate. 2,298,332; Oct. 13.
Granular material, Coated or color. H. B. Burton, Jr. 2,298,277; Oct. 13.
Greases, Manufacture of lubricating. H. G. Smith. 2,298,317; Oct. 13.
Griddle. T. Wilson. 2,298,780; Oct. 13.
Grinding machine, Lens. R. F. Metzger. 2,298,496; Oct. 13.
Guiding system, Televisible. A. N. Goldsmith. 2,298,476; Oct. 13.
Gunstock. S. H. Chase. 2,298,678; Oct. 13.
Gyroscopic indicator. R. H. Nisbet and W. G. Harding. 2,298,626; Oct. 13.
Hammer, Impact. J. M. Schmied. 2,298,845; Oct. 13.
Handle for golf clubs. R. E. Ottman. 2,298,505; Oct. 13.
Hanger: *See*—
Garment drying hanger.
Harrow. B. R. Benjamin. 2,298,455; Oct. 13.
Hat device. R. R. Brown. 2,298,672; Oct. 13.
Heat control system. P. C. Smith. 2,298,847; Oct. 13.
Heat exchange apparatus. J. E. Woods. 2,298,996; Oct. 13.
Heat exchange units, Making. R. H. McKibben and D. M. Dart. 2,298,895; Oct. 13.
Heat exchange system. J. C. Rhoads. 2,298,902; Oct. 13.
Heater: *See*—
Water heater.
Heel, Cushioned. A. J. Denk. 2,299,009; Oct. 13.
Hinge means, Closure. W. H. Johnson. 2,298,767; Oct. 13.
Holder: *See*—
Crayon holder.
Flag holder.
Key holder.
Nozzle holder.
Razor blade holder.
Spoon holder.
Holder and harness therefor, Fishing pole. A. S. Haislip. 2,298,694; Oct. 13.
Holder for ice cream containers. A. J. McPhail. 2,298,577; Oct. 13.
Horn, Electromagnetic. W. L. Barrow. 2,298,272; Oct. 13.
Hose, Flanged. D. E. Harpfer. 2,298,736; Oct. 13.
Hose, Flanged. E. G. Kimmich and J. L. Cutler. 2,298,738; Oct. 13.
Humidity controller. F. D. Joesting. 2,298,827; Oct. 13.
Hydraulic control mechanism. E. J. Alderman and D. F. White. 2,298,267; Oct. 13.
Hydraulic drive. J. L. Ray. 2,298,310; Oct. 13.
Hydraulic shock absorber valving assembly. G. M. Magrum. 2,298,396; Oct. 13.
Hydraulically operated lock. L. R. Rhein. 2,298,776; Oct. 13.
Hydrocarbon conversion. P. C. Keith, Jr. 2,298,702; Oct. 13.
Hydrocarbons, Catalytic cracking of. G. Egloff. 2,298,355; Oct. 13.
Hydrocarbons, Treatment of. C. H. Angell. 2,298,330–1; Oct. 13.
Hydrocarbons, Treatment of. H. E. Drennan. 2,298,931; Oct. 13.
Hydrocarbons, Treatment of. V. N. Ipatieff and H. Pines. 2,298,383; Oct. 13.
Hydrocarbons, Treatment of. K. M. Watson and R. L. Smith. 2,298,442; Oct. 13.
Ice or hot water breast bag. E. A. Freund. 2,298,361; Oct. 13.
Implement hold-down device. C. W. Mott and J. Morkoski. 2,298,539; Oct. 13.
Implement retainer. M. O'Farrell. 2,298,719; Oct. 13.
Indicating slide device. G. Alvari. 2,298,730; Oct. 13.
Indicator: *See*—
Electrical liquid-level indicator.
Gyroscopic indicator.
Mixture ratio indicator.
Train describer and platform indicator.
Inking pad. B. D. Gilbert. 2,298,760; Oct. 13.
Insecticide. G. H. Coleman. 2,298,681; Oct. 13.
Insulator, Guy wire. W. Peters. 2,298,900; Oct. 13.
Interfitting machine and like parts. J. Oswin. 2,298,899; Oct. 13.
Inverted pump. C. A. Erickson. 2,298,756; Oct. 13.
Iron oxide weighting material for drilling muds. T. K. Stinson and L. K. Ayers. 2,298,984; Oct. 13.
Iron, Producing pig. C. R. Holzworth. 2,298,483; Oct. 13.
Ironing pad. T. J. Callan and V. L. Erickson. 2,298,927; Oct. 13.
Ironing press. S. E. Alley, C. S. Gardner, and S. E. Alley. 2,298,860–1; Oct. 13.
Joint: *See*—
Ball joint.
Steering joint.
Universal joint.
Joint for concentric conductors. A. Streib. 2,298,516; Oct. 13.
Juice and preparing same, Watermelon. E. S. Yawger, Jr. 2,298,328; Oct. 13.
Kaleidoscope. P. H. Quackenbush. 2,298,966; Oct. 13.
Kerf-cutting machine. F. A. Lindgren. 2,298,392; Oct. 13.
Key holder. L. J. Mitchell. 2,298,304; Oct. 13.
Keyboard cover. J. L. McClintock. 2,298,799; Oct. 13.
Keystone chain. J. B. Webb. 2,298,604; Oct. 13.
Kit, Toilet. J. Rocca. 2,298,417; Oct. 13.
Kite, Airplane. C. J. McCoy. 2,298,400; Oct. 13.
Knitting machine. C. N. Stover. 2,298,812; Oct. 13.
Knitting, Warp. F. J. Kaufmann. 2,298,888; Oct. 13.
Lamp: *See*—
Electric lamp.
Fluorescent lamp.
Luminescent lamp.
Lamp fixture. A. O. Elting. 2,298,554; Oct. 13.
Lamp power factor correction, Vapor. G. A. Freeman. 2,298,935; Oct. 13.
Lamp socket. W. G. Darley. 2,298,824; Oct. 13.
Lamp unit, Hot cathode glow discharge. M. A. Babb. 2,298,336; Oct. 13.
Lantern slide carrier. V. F. Greaves. 2,298,369; Oct. 13.
Lapping tool. L. F. Glaude. 2,298,367; Oct. 13.
Lasting machine. R. H. Lawson. 2,298,390; Oct. 13.
Latch: *See*—
Motor vehicle door latch.
Latch for camera mechanism, Safety. C. W. Crumrine. 2,298,349; Oct. 13.
Laundry drier. E. J. Downes. 2,298,352; Oct. 13.
Leather flour from waste leather, Making. R. R. Emmitt. 2,299,011; Oct. 13.
Letter-form and guide for the same. J. N. Bliss. 2,298,635; Oct. 13.
Lift for plows, Constant height. G. R. Ego. 2,298,553; Oct. 13.
Lifting attachment for mowing machines. C. T. Rice and C. T. Carmichael. 2,298,414; Oct. 13.
Light reflecting screen. N. C. and L. R. Foss. 2,298,556; Oct. 13.
Lining, Absorptive form. A. W. Meyer. 2,298,579; Oct. 13.
Lipstick. C. F. Harris. 2,298,620; Oct. 13.
Liquid level gauge. J. R. Macintyre. 2,298,893; Oct. 13.
Liquids from gases, Recovering. S. E. Buckley. 2,298,818; Oct. 13.
Lock: *See*—
Automobile door lock.
Hydraulically operated lock.
Venetian blind cord lock.
Lock. G. Hofmann. 2,298,697–8; Oct. 13.
Locomotive. J. L. Ray. 2,298,309; Oct. 13.
Low frequency reinserting circuit. H. E. Rhea. 2,298,909; Oct. 13.
Lubricant. C. W. Muessig. 2,298,833; Oct. 13.
Lubricant. A. A. Schilling and T. B. Curran. 2,298,844; Oct. 13.
Lubricant. D. L. Wright. 2,298,855; Oct. 13.
Lubricant and lubricating. A. T. Knutson. 2,298,301; Oct. 13.
Lubricating apparatus. F. S. Barks and V. G. Klein. 2,298,920; Oct. 13.
Lubricating composition. C. F. Prutton. 2,298,636–40; Oct. 13.
Lubrication and fugitive tinting of synthetic yarns. H. A. Thompson. 2,298,432; Oct. 13.
Lubrication system. W. G. Ovens. 2,298,646; Oct. 13.
Luminescent lamp. H. W. Levernz. 2,298,947; Oct. 13.
Machine construction, Dynamoelectric. H. W. Balz and L. F. Hemphill. 2,298,862; Oct. 13.
Machine for manufacturing scrap bunches. S. Clausen. 2,298,279; Oct. 13.
Machine for molding thermoplastics. S. T. Moreland, V. E. Hofmann, and P. C. Tracy. 2,298,716; Oct. 13.
Machine for use in making prewelt shoes. A. L. Jalbert. 2,298,384; Oct. 13.
Machine for winding coiled sections. R. H. Beebe. 2,298,923; Oct. 13.
Machine including means for cleaning containers. P. R. Fechheimer. 2,298,475; Oct. 13.
Machinist's internal testing gauge. H. C. Sexton. 2,298,597; Oct. 13.
Magnesium sulphate, Producing anhydrous. W. H. MacIntire. 2,298,493; Oct. 13.
Magnet stator structure for magnetos. W. E. Schwarzmann and C. Strniste. 2,298,652; Oct. 13.
Mailing piece. V. K. Trembiett. 2,298,601; Oct. 13.
Manifolding machine. W. C. Pfeiffer. 2,298,410; Oct. 13.
Material, Absorbent. F. W. Schreiber. 2,298,424; Oct. 13.
Material and making same, Nonslip. Y. J. Van Patter. 2,298,664; Oct. 13.
Material for shoe stiffeners. H. Boeddinghaus. 2,298,274; Oct. 13.
Material of spongelike or cellular rubber, Cushioned. S. D. Taylor, E. W. Madge, and E. A. Murphy. 2,298,986; Oct. 13.
Material, Producing finely divided. H. W. Leverenz. 2,298,948; Oct. 13.
Measuring machine, Coordinate. J. H. Dowell. 2,298,875; Oct. 13.
Measuring or testing apparatus, Optical. A. Warmisham and R. E. Reason. 2,298,992; Oct. 13.
Measuring system, Service. H. M. Bascom and W. A. Rhodes. 2,298,453; Oct. 13.
Meat package and method. R. H. Vogt. 2,298,779; Oct. 13.

Mechanical movement. W. L. Callender. 2,298,675; Oct. 13.
Mechanism for forming concrete slabs. A. F. Howe. 2,299,019; Oct. 13.
Mechanism for handling endless film. D. T. Bridges. 2,298,925; Oct. 13.
Mechanism for looms, especially for manufacturing terry toweling, Beating up. G. Berg. 2,299,004; Oct. 13.
Metal closure, Pliable. J. W. Thomas. 2,298,777; Oct. 13.
Metal, Powdered. C. Wentworth. 2,298,908; Oct. 13.
Metal scrap, Treating light. M. Stern. 2,299,043; Oct. 13.
Metal shapes, Formation of. C. D. Coxe. 2,298,348; Oct. 13.
Metal surfaces, Phosphate coating ferrous. G. C. Romig. 2,298,312; Oct. 13.
Metal, Treating. V. T. Malcolm. 2,298,397; Oct. 13.
Metal, Treatment of. W. J. Clifford and H. H. Adams. 2,298,280; Oct. 13.
Metallic powder, Composite. R. S. Reynolds. 2,299,034; Oct. 13.
Metals using cutting tools, Machining. G. Roesner, L. Schuster, F. K. F. G. von Ravensburg, H. Faber, and H. Riske. 2,298,418; Oct. 13.
Meter: *See*—
Color temperature meter.
Gasoline meter.
Mill: *See*—
End loading tumbling mill.
Side loading tumbling mill.
Milk or other food products, Sterilizing. H. L. Griffin, A. R. Robb, R. W. Titus, and H. T. Gebhardt. 2,298,693; Oct. 13.
Mineral oil composition. E. W. Fuller. 2,298,557; Oct. 13.
Mixing machine. K. E. McConnaughay. 2,298,495; Oct. 13.
Mixture ratio indicator. H. C. Gerrish and J. G. Reuter. 2,298,288; Oct. 13.
Mold: *See*—
Tire mold.
Mold. C. H. Zimmerman. 2,298,729; Oct. 13.
Mold and mold form. H. F. Hagemeyer. 2,299,016; Oct. 13.
Molding devices. H. B. and A. W. Arden. 2,298,913; Oct. 13.
Molding machine, Sleeve. M. F. Moran. 2,298,582; Oct. 13.
Mop. S. P. Vaughn. 2,298,320; Oct. 13.
Motor: *See*—
Electric motor.
Slow speed synchronous motor.
Variable stroke motor.
Motor. L. Buchmann. 2,298,734; Oct. 13.
Motor controller. P. W. Emley. 2,298,617; Oct. 13.
Motor cooling and vehicle body heating system. S. W. Rushmore. 2,298,969; Oct. 13.
Motor vehicle door latch. E. L. Sitter. 2,298,598; Oct. 13.
Mounting: *See*—
Ophthalmic mounting.
Reel mounting.
Mounting picture for press assembling. O. D. Moyer. 2,298,408; Oct. 13.
Movable stop. H. Ham. 2,298,372; Oct. 13.
Multiplexing. H. O. Peterson. 2,298,409; Oct. 13.
Muzzle, Horse's. W. M. Ashby. 2,298,265; Oct. 13.
Name plate, Molded. J. A. and J. P. Gits. 2,298,364; Oct. 13.
Name plates, Molding. J. A. and J. P. Gits. 2,298,365; Oct. 13.
Nitro compounds, Manufacture of. R. L. Hasche. 2,298,375; Oct. 13.
Nonoverfill device. R. H. Hill and R. M. Goodwin. 2,298,789; Oct. 13.
Nosepiece, Detachable. C. L. Mowrer. 2,298,832; Oct. 13.
Nozzle holder. P. Pirsch. 2,298,541; Oct. 13.
Nozzle, Spray. M. T. Foster. 2,298,934; Oct. 13.
Nozzle, Spraying device. C. E. Clark. 2,298,680; Oct. 13.
Oil burner apparatus. W. F. Klockau. 2,298,745; Oct. 13.
Oil, Conversion of hydrocarbon. C. L. Thomas. 2,298,434; Oct. 13.
Oil filter. W. G. Burhans. 2,298,674; Oct. 13.
Oil wells, Producing. T. V. Moore. 2,298,834; Oct. 13.
Oils, Modification of fatty. L. Auer. 2,298,914; Oct. 13.
Oils, Modification of fatty. L. Auer. 2,298,916–19; Oct. 13.
Oils, Treatment of hydrocarbon. B. B. Corson and G. S. Monroe. 2,298,346–7; Oct. 13.
Ophthalmic mounting. R. T. Cook and W. A. Bonin. 2,298,784; Oct. 13.
Optical apparatus. P. L. Phillips. 2,298,586; Oct. 13.
Optical objective. A. Warmisham. 2,298,853; Oct. 13.
Optical objective. A. Warmisham. 2,298,903; Oct. 13.
Optical system. J. A. Maurer, Jr. 2,299,024; Oct. 13.
Optical system for facsimile transmitters. C. J. Young. 2,298,911; Oct. 13.
Ore, Flotation separation of. H. M. Corley, A. W. Ralston, and E. W. Segebrecht. 2,298,281; Oct. 13.
Organic isocolloid materials, Manufacture of modified. L. Auer. 2,298,271; Oct. 13.
Organic isocolloids, Manufacture of modified. L. Auer. 2,298,270; Oct. 13.
Ornamental articles, Making. E. Reach. 2,298,724; Oct. 13.
Oscillator, Modulated. W. H. Boghosian, F. A. Hinshaw, and H. G. Och. 2,298,460; Oct. 13.
Oxidation process. W. O. Kenyon and G. V. Heyl. 2,298,387; Oct. 13.
Oxide flakes and making the same, Venadic. B. Burwell. 2,298,464; Oct. 13.
Oxides of solid metalloids, Producing gaseous. W. K. Lewis and T. V. Moore. 2,298,798; Oct. 13.
Ozone, Decomposing. W. T. Anderson, Jr. 2,298,607; Oct. 13.
Package, Coffee. H. F. Waters. 2,298,545; Oct. 13.
Package, Display. L. L. Salfisberg. 2,298,421; Oct. 13.
Package, Marked and scored. L. L. Salfisberg. 2,298,420; Oct. 13.
Package, Reinforced. L. L. Salfisberg. 2,298,419; Oct. 13.
Package support. W. J. Elven, R. D. Reel, E. R. Stahl, and F. W. Schulte. 2,298,357; Oct. 13.
Packing ring, cup washer, and the like. J. H. Onions. 2,298,584; Oct. 13.
Pad: *See*—
Inking pad.
Ironing pad.
Pedal for foot propelled vehicles. T. I. Duffy. 2,298,283; Oct. 13.
Peeling apparatus, Vegetable. J. L. Jones. 2,299,020; Oct. 13.
Pencil, Mechanical lead. C. R. Fargo. 2,298,555; Oct. 13.
Pentaerythritol, Purification of. J. A. Wyler and E. A. Wernett. 2,299,048; Oct. 13.
Periscope, Motor vehicle. D. L. Brinkley. 2,298,341; Oct. 13.
Peroxide and producing the same, Cycloalkanyl. N. A. Milas. 2,298,405; Oct. 13.
Phase distortion correction. A. Decino. 2,298,930; Oct. 13.
Phenols, Production of alkylated. D. R. Stevens and W. A. Gruse. 2,298,660; Oct. 13.
Phonograph, Automatic. T. M. Wright. 2,298,447; Oct. 13.
Photographic apparatus. C. D. Austin. 2,299,002; Oct. 13.
Photographic enlarger. J. J. Lazna. 2,298,741; Oct. 13.
Photographic film. E. C. Yauck and J. Dessauer. 2,298,997; Oct. 13.
Photographic printing frame and the like. J. A. Mullen. 2,298,583; Oct. 13.
Photography, Color. O. C. Gilmore. 2,299,015; Oct. 13.
Picture transmission, Method and apparatus for. R. D. Kell. 2,298,796; Oct. 13.
Pipe cutting apparatus. J. G. Heim. 2,299,063; Oct. 13.
Pistol, Multiple shot water. V. O. Will. 2,298,668; Oct. 13.
Piston ring. O. W. Haling. 2,298,371; Oct. 13.
Pit detector. E. W. Carroll and H. E. Metcalf. 2,298,613; Oct. 13.
Plane shutters, Retard for focal. E. R. Bradford. 2,298,340; Oct. 13.
Plant tissue, Treatment of. E. Elion. 2,298,933; Oct. 13.
Plaster reinforcing, Cloth backed. R. F. Herr and A. Carnia. 2,298,376; Oct. 13.
Plate for conveyers, Tying. E. C. Barker. 2,298,921; Oct. 13.
Plow, Snow. G. B. Kester. 2,298,768; Oct. 13.
Plug: *See*—
Electric attachment plug.
Spark plug.
Polyalkylol quanidine salts, Condensation of. W. P. Ericks. 2,298,473; Oct. 13.
Polymer substances, Treatment of. L. B. Turner. 2,298,813; Oct. 13.
Polymethine device. L. G. S. Brooker and F. L. White. 2,298,732; Oct. 13.
Positioning means, Remote. F. F. Uehling. 2,298,521; Oct. 13.
Pouch, Transfer. R. C. du Pont, 2,298,688; Oct. 13.
Poultry feeder and fountain. A. J. Marshaus. 2,298,398; Oct. 13.
Power plant, Elastic fluid. A. J. Larrecq. 2,298,625; Oct. 13.
Power transmission. R. S. Miller. 2,298,831; Oct. 13.
Power transmission. H. F. Vickers and K. R. Herman. 2,298,849; Oct. 13.
Press: *See*—
Ironing press.
Press. M. H. Ballard and F. E. Stratton. 2,298,337; Oct. 13.
Press control. W. Ernst and P. J. Lindner. 2,298,359; Oct. 13.
Presser foot. M. Ingwer. 2,298,296; Oct. 13.
Pressure control for roughage mills, Liquid. J. Hollandletz. 2,298,482; Oct. 13.
Pressure foot for sewing machines. F. A. Kucera. 2,298,770; Oct. 13.
Printed matter, Drying of. H. N. Morris. 2,298,803; Oct. 13.
Printer, Sound. O. Sandvik and J. H. McLeod. 2,298,422; Oct. 13.
Printing apparatus, Photographic. B. Burnham. 2,298,344; Oct. 13.
Products from fatty oils, etc., Manufacture of modified. L. Auer. 2,298,915; Oct. 13.
Projector for motion pictures and the like, Light. S. Parish. 2,298,308; Oct. 13.

Propeller, Marine. B. A. Cogswell. 2,298,869; Oct. 13.
Protector: *See*—
Boiler flue protector.
Punchboard protector.
Pump: *See*—
Fuel injection pump.
Pump or motor.
Inverted pump.
Pump and compressor. J. Mercier. 2,298,402; Oct. 13.
Pump or motor. H. F. Vickers. 2,298,850; Oct. 13.
Punchboard protector. J. F. Keithman. 2,298,486; Oct. 13.
Punching machine. T. T. Youngfelt. 2,299,062; Oct. 13.
Purse and billfold, Combination. K. Schmidt. 2,298,543; Oct. 13.
Pyrrole filter and backing dye. L. G. S. Brooker and R. H. Sprague. 2,298,731; Oct. 13.
Rack for shoes or the like, Foldable and suspendable. H. E. Hoffman. 2,299,021; Oct. 13.
Radial form ultra-high frequency tube. C. V. Litton. 2,298,949; Oct. 13.
Radio receiver. F. N. Jacob. 2,298,297; Oct. 13.
Radio receiver apparatus. D. H. Mitchell. 2,299,058; Oct. 13.
Radio receiving system. W. A. Schaper. 2,298,629; Oct. 13.
Radio relaying. H. Tunick. 2,298,435; Oct. 13.
Railway assembly, Head. W. E. Sarran and R. E. Metzger. 2,299,060; Oct. 13.
Railway signaling apparatus. H. S. Young. 2,298,815; Oct. 13.
Railway traffic controlling apparatus. E. A. McCann. 2,298,958; Oct. 13.
Railway traffic controlling apparatus. J. M. Pelikan. 2,298,806; Oct. 13.
Railway truck structure. C. F. Frede. 2,298,286; Oct. 13.
Range finder construction, Pocket. J. Mihalyi. 2,298,404; Oct. 13.
Razor blade container. H. W. Rueger. 2,298,594; Oct. 13.
Razor blade holder. M. Malecki. 2,298,711; Oct. 13.
Razor or knife construction. E. Hyatt. 2,298,944; Oct. 13.
Receptacle: *See*—
Electrical plug and receptacle.
Record card for use in card filing systems. R. L. Van Nostrand. 2,298,901; Oct. 13.
Record system, Visible. M. B. Hall. 2,298,290; Oct. 13.
Recorder, Time. E. G. Streckfuss. 2,299,044; Oct. 13.
Recording apparatus for use with aviation ground trainers. C. W. Muller. 2,298,305; Oct. 13.
Reducing valve. A. C. Haag. 2,298,370; Oct. 13.
Reel: *See*—
Fishing reel.
Reel mounting. G. F. Aldinger. 2,298,329; Oct. 13.
Refining. C. F. Cross and E. P. Grogg. 2,298,753; Oct. 13.
Reflector assembly, Safety. A. E. Brickman. 2,298,461; Oct. 13.
Reflector, Rotation symmetric. W. Gartenmeister. 2,298,880; Oct. 13.
Reflector, Small lamp. L. L. Raymond. 2,298,588; Oct. 13.
Refrigerated vehicle. E. W. Lager. 2,298,569; Oct. 13.
Refrigerating mechanism. O. H. Buschmann. 2,298,749; Oct. 13.
Refrigeration apparatus. O. H. Yoxsimer and A. A. Quimper. 2,298,546; Oct. 13.
Refrigeration apparatus, Absorption. F. R. Bichowsky. 2,298,924; Oct. 13.
Refrigerator car. W. R. Elsey. 2,298,879; Oct. 13.
Refrigerator car. W. J. Meyer. 2,298,896; Oct. 13.
Refrigerator display case. J. R. Caulk, Jr., and R. E. Davis. 2,298,526; Oct. 13.
Refuse compacting apparatus. D. C. Agar. 2,298,747; Oct. 13.
Register, Counterpack. C. E. Wyrick. 2,298,327; Oct. 13.
Registering device. D. G. Blattner. 2,298,273; Oct. 13.
Regulator system. D. D. Chase. 2,298,820; Oct. 13.
Relay. R. J. Little. 2,298,572; Oct. 13.
Release device, Overload. L. E. Simmons. 2,298,316; Oct. 13.
Replacement washer. E. A. Berkery. 2,298,338; Oct. 13.
Resetting mechanism for counting devices. K. C. Bugg. 2,298,343; Oct. 13.
Resin and making the same, Synthetic protein. F. C. Atwood. 2,298,269; Oct. 13.
Resinous composition. R. E. Burnett. 2,298,866; Oct. 13.
Resinous fusion product. A. R. Davis. 2,298,470; Oct. 13.
Resistor for rubber, Age. W. Scott. 2,298,126; Oct. 13.
Resistors and resistance materials, Making. C. J. Christensen. 2,298,679; Oct. 13.
Reversing mechanism. D. L. Chandler, G. W. Ewing, and F. H. Walker. 2,298,527; Oct. 16.
Rider display. E. A. Kirschner, J. D. Sherman, and E. J. Hausknecht. 2,298,769; Oct. 13.
Rifle barrel lapping machine. A. Raiche. 2,298,775; Oct. 13.
Right and left fourchette die, Double cut. W. M. Hartmann. 2,298,374; Oct. 13.
Ring: *See*—
Piston ring.
Rock drill. J. R. Hicks. 2,298,792; Oct. 13.
Rock drill. C. F. Osgood. 2,298,503; Oct. 13.
Rod: *See*—
Welding rod.
Rosin size, Stabilized dry. A. C. Dreshfield. 2,298,876; Oct. 13.
Rotary internal combustion engine. A. M. Briggs. 2,298,525; Oct. 13.
Rubber, Treating. J. A. Merrill. 2,298,713; Oct. 13.
Sampling device, Liquid. C. E. Davidson, Jr. 2,298,350; Oct. 13.
Sanitary seat cover. A. W. Curtis, Jr. 2,298,547; Oct. 13.
Scoop type machine for handling bulk materials, Rotary. C. S. Johnson. 2,298,566; Oct. 13.
Screen: *See*—
Light reflecting screen.
Seal, Bearing. W. G. Burt, Jr. 2,298,463; Oct. 13.
Seal, Glass-to-metal. G. B. Shaw. 2,298,974; Oct. 13.
Seal, Package. W. B. Bronander. 2,298,462; Oct. 13.
Sealing device for window openings, Transparent. H. A. Burnett. 2,298,783; Oct. 13.
Seam for overnight, bathing, and other bags, Reinforcing. H. Dubofsky and J. Alhadef. 2,298,786; Oct. 13.
Seat. D. B. Baker. 2,298,450; Oct. 13.
Seat support, Adjustable. J. P. De Rose. 2,298,351; Oct. 31.
Selecting system. N. I. Hall. 2,298,695; Oct. 13.
Self-loading and self-propelled vehicle. E. M. Arentzen. 2,298,448; Oct. 13.
Separator: *See*—
Air separator.
Separator. J. Fletcher. 2,298,285; Oct. 13.
Sewing machine. F. Ashworth. 2,298,268; Oct. 13.
Sewing machine. N. V. Christensen, H. J. Le Vesconte, G. Sauer, and O. Quist. 2,298,750; Oct. 13.
Sewing machine. D. A. Cumfer. 2,298,871; Oct. 13.
Sewing machine. F. H. Ogden. 2,298,836; Oct. 13
Sewing machine, Pile-fabric. G. W. Wesson. 2,298,665; Oct. 13.
Shade and curtain rod bracket, Detachable combination. E. E. Vaughan and T. P. Tuck. 2,298,439; Oct. 13.
Sharpener, Lawn mower. A. Silfen. 2,298,978; Oct. 13.
Sharpener, Sickle. L. C. Littlefield. 2,298,304; Oct. 13.
Shaver, Dry. G. Dalkowitz. 2,298,872; Oct. 13.
Shaver, Dry. T. J. Murphy. 2,298,962; Oct. 13.
Shaving method. P. N. Peters. 2,298,508; Oct. 13.
Sheet metal fastener. H. W. Kost. 2,298,568; Oct. 13.
Sheet, Transfer duplicating. W. D. Foster. 2,299,014; Oct. 13.
Shelling machine, Nut. L. J. Meyer. 2,298,497; Oct. 13.
Shield, Erasing. F. W. Radel. 2,298,807; Oct. 13.
Ship hull construction. A. P. Swanson. 2,298,661; Oct. 13.
Shoe. W. Ebling. 2,298,932; Oct. 13.
Shoe. A. R. Schoenky. 2,298,423; Oct. 13.
Shoe construction and shoe gore therefor, Elasticized. G. M. Herrmann. 2,298,941; Oct. 13.
Side loading tumbling mill. N. Ransohoff. 2,299,031; Oct. 13.
Signal. D. R. Giles. 2,298,602; Oct. 13.
Signal transmission circuit, Audio frequency. P. H. Thomsen. 2,298,987; Oct. 13.
Signaling system, Highway crossing. S. J. Mackey. 2,298,575; Oct. 13.
Silica from water, Removing dissolved. O. Liebknecht. 2,298,707; Oct. 13.
Single compartment citrus box, Centrally reinforced. E. C. Barker. 2,298,452; Oct. 13.
Sintered products, Producing high density. A. W. Hull. 2,298,885; Oct. 13.
Slat equalizer, Wing. J. S. Czurles and F. Erny. 2,298,264; Oct. 13.
Slides, Positioning lantern. C. D. Reid. 2,298,413; Oct. 13.
Slow speed synchronous motor. W. L. Hansen and I. N. Hurst. 2,298,373; Oct. 13.
Smoke detection system. F. C. Evans and K. O. Donelian. 2,298,757; Oct. 13.
Smoker's combination apparatus. C. B. Grady. 2,298,826; Oct. 13.
Softening apparatus, Water. E. E. Eickmeyer and A. G. Horvath. 2,298,356; Oct. 13.
Solvent treating of mineral oils. P. J. Harrington. 2,298,791; Oct. 13.
Soot blower. A. M. Wilson. 2,298,995; Oct. 13.
Sound reproducing system. W. E. Garity and J. N. A. Hawkins. 2,298,618; Oct. 13.
Sound translating device. A. F. Horlacher. 2,298,764; Oct. 13.
Spacing for typewriters, Differential letter. C. W. Norton. 2,298,805; Oct. 13.
Spark plug. F. A. Ost. 2,298,504; Oct. 13.
Speed-indicating means for use in printing telegraph apparatus. F. P. Mason. 2,298,956; Oct. 13.
Speed transmission, Variable. D. E. and E. F. Lewellen. 2,298,395; Oct. 13.
Spoon holder. G. Pickering. 2,298,901; Oct. 13.
Spray attachment for hose nozzles. A. Johnson. 2,298,765; Oct. 13.
Spring clutch. A. G. Russell, A. Burckhardt, and S. E. Calhoun. 2,298,970; Oct. 13.
Spring structure. E. C. Throop. 2,298,433; Oct. 13.
Squadron hitch. J. E. Lyle. 2,298,537; Oct. 13.
Stand: *See*—
Floor stand.
Stapling machine. M. Vogel. 2,298,520; Oct. 13.
Starting switch. L. W. Cook. 2,298,785; Oct. 13.

Station pump island, Service. L. S. Hodges. 2,298,378; Oct. 13.
Steam buck or pressing machine. S. Guarnaschelli. 2,298,478; Oct. 13.
Steam generator. J. P. Badenhausen. 2,299,050; Oct. 13.
Steering joint. B. Ulinski. 2,298,544; Oct. 13.
Steering wheel. H. A. Schrantz. 2,298,596; Oct. 13.
Sterilizer, Razor. V. L. Tetzlaff. 2,298,662; Oct. 13.
Stocking, Roll top. E. C. Lochhead. 2,298,708; Oct. 13.
Stop for tabulators, Automatic. J. T. Ferry. 2,298,558; Oct. 13.
Stop mechanism for dispensing cabinets. A. C. Grunwald. 2,298,882; Oct. 13.
Straining or filtering apparatus for liquids. W. R. Beldam. 2,298,865; Oct. 13.
Strap tensioning and sealing device. H. J. Spencer. 2,298,658; Oct. 13.
Strip, Weather. A. Egli. 2,298,878; Oct. 13.
Stripper for extruding apparatus. R. Jongedyk. 2,298,887; Oct. 13.
Structure for gaseous fuel cook stoves, Top. C. E. Parker. 2,298,307; Oct. 13.
Superheater and reheat control. R. D. Junkins, T. C. Toomey, and C. S. Smith. 2,298,700; Oct. 13.
Supervisory system. C. E. Stewart. 2,298,907; Oct. 13.
Surfacing apparatus. H. R. Stratford. 2,298,318; Oct. 13.
Support: *See*—
Package support.
Seat support.
Suspension, Automotive. R. H. Phelps. 2,298,585; Oct. 13.
Switch: *See*—
Automatic switch.
Camera shutter speed controller and switch.
Dimmer switch.
Electric switch.
Electrical interlock switch.
Starting switch.
Thermostatic switch.
Switch and signal control system for railroads. T. J. Judge. 2,298,946; Oct. 13.
Switch mechanism. A. A. Bluemle. 2,298,781; Oct. 13.
Switching mechanism. A. L. Judson. 2,298,795; Oct. 13.
Synchronizing system. E. H. B. Bartelink. 2,298,864; Oct. 13.
Synthetic resinous materials, Method and apparatus for automatic pressure control in molding of. C. V. Smith. 2,298,429; Oct. 13.
Table top edge banding. S. Madsen. 2,298,578; Oct. 13.
Tag dispenser. H. G. Balthasar. 2,298,451; Oct. 13.
Tag, Price marking. F. Kohnle. 2,298,705; Oct. 13.
Tampon. J. R. Crockford. 2,298,752; Oct. 13.
Tank: *See*—
Film processing tank.
Tank sampler. C. F. Proudman, and H. H. Goossen. 2,298,627; Oct. 13.
Tape dispenser and cutter, Automatic. H. L. Fitch. 2,298,360; Oct. 13.
Tar acids, Recovery of. C. M. Ambler, Jr. 2,298,816; Oct. 13.
Target anode, Multiple. Z. J. Atlee. 2,298,335; Oct. 13.
Telephone system. T. F. Crocker. 2,298,751; Oct. 13.
Telephone system. R. J. Tillman. 2,298,519; Oct. 13.
Telephone system, Automatic. B. D. Willis. 2,298,909; Oct. 13.
Telephone system, Credit-authorization. G. Kiner. 2,298,487; Oct. 13.
Telephone system, Group call. G. Kiner. 2,298,489; Oct. 13.
Telephone system, Special-system automatic. G. Kiner, and N. H. Saunders. 2,298,488; Oct. 13.
Television projection system. E. G. Ramberg. 2,298,808; Oct. 13.
Television receiver. A. H. Cooper. 2,298,870; Oct. 13.
Television transmitter. R. D. Kell. 2,298,797; Oct. 13.
Tension compensating device. H. H. Bruderlin. 2,298,611; Oct. 13.
Tester, Wheel balance. R. D. Smith. 2,298,656; Oct. 13.
Textile finishing. R. L. Pyner, R. and H. C. Paulsen. 2,298,841; Oct. 13.
Textile material, Treatment of. J. G. McNally and E. C. Jensen. 2,298,401; Oct. 13.
Thermostat. E. K. Clark and P. R. Lee. 2,298,928; Oct. 13.
Thermostat for energizing step temperature regulator systems, Uniform step producing. L. Holland-Letz. 2,298,622; Oct. 13.
Thermostatic control device. J. N. Wheeler. 2,298,323; Oct. 13.
Thermostatic switch. S. Crum. 2,298,823; Oct. 13.
Thread and yarn, Splicing. W. M. Camp. 2,298,676; Oct. 13.
Thresher. A. B. Welty. 2,298,445; Oct. 13.
Tile sheathing, Prefabricated. E. R. Stabe. 2,298,983; Oct. 13.
Tire mold. G. H. Johnson. 2,298,485; Oct. 13.
Tissue, Exploring living. L. W. Parker. 2,298,506; Oct. 13.
Tobacco mixture. M. Franich. 2,298,532; Oct. 13.
Tool: *See*—
Electrode dressing tool.
Expanding and flaring tool.
Lapping tool.
Tool for couplings, Expander. A. C. Hoffman. 2,298,379; Oct. 13.
Tool for one time couplings, Expander. A. C. Hoffman, and J. V. MacDonald. 2,299,055; Oct. 13.
Tools, Method and apparatus for orienting. G. L. Kothny. 2,298,706; Oct. 13.
Toy. C. J. Sullivan, and H. T. Leister. 2,298,431; Oct. 13.
Toy glider. G. W. Shaffer. 2,298,425; Oct. 13.
Traction unit. F. de L. Brown. 2,298,282; Oct. 13.
Tractor cultivator. C. W. Mott. 2,298,540; Oct. 13.
Tractor implement attachment. J. Morkoski. 2,298,499; Oct. 13.
Trailer. L. W. Wachter. 2,298,851; Oct. 13.
Trailer and tent construction, Combined. G. W. Fletcher. 2,298,530; Oct. 13.
Train describer and platform indicator. J. B. Griffiths, A. Brown and E. J. Tervet. 2,298,939; Oct. 13.
Transformer, Variable tuned. H. A. and J. B. Moore. 2,298,498; Oct. 13.
Translation device. F. A. Hubbard. 2,298,699; Oct. 13.
Transmission. H. R. Greenlee. 2,298,477; Oct. 13.
Transmission. H. D. Jackes, Jr. 2,298,645; Oct. 13.
Transmission belts, Making cut toothed power. R. Y. Case. 2,298,867; Oct. 13.
Transmission device, Variable-speed. E. A. Rivers. 2,299,036; Oct. 13.
Transmission, Hydraulic. R. C. Russell. 2,298,648-9; Oct. 13.
Transmission line. P. H. Smith. 2,298,428; Oct. 13.
Transmission lines, Protection of multiphase. H. Thommen. 2,298,517; Oct. 13.
Transmission system, Image. E. H. B. Bartelink. 2,298,863; Oct. 13.
Transmission system, Impulse. W. T. Rea. 2,298,722; Oct. 13.
Transparencies, Device for exhibiting. J. A. Davis. 2,298,754; Oct. 13.
Trap: *See*—
Animal trap.
Tray, Steering wheel. W. L. McGinley. 2,299,025; Oct. 13.
Trimming machine. W. L. Gladfelter, and F. W. Duhan. 2,298,366; Oct. 13.
Trimming machine. E. W. Stacey. 2,298,430; Oct. 13.
Tripod leg and clamping means therefor. H. J. Hood. 2,298,380; Oct. 13.
Tripping mechanism for automatic record changers. C. E. Todd. 2,298,988; Oct. 13.
Trousers. A. Horwitz. 2,298,381; Oct. 13.
Tube: *See*—
Electron discharge tube.
Radial form ultra-high frequency tube.
Tube control for hydraulic couplings, Scoop. H. Ziebolz. 2,299,049; Oct. 13.
Tubes for sealing, Preparing collapsible. M. Hallead. 2,298,479; Oct. 13.
Type recorder, Memory. M. F. Bates. 2,298,608; Oct. 13.
Typewriter accessory. W. B. Rich. 2,298,590; Oct. 13.
Typewriter carriage return device. C. Bowen. 2,298,610; Oct. 13.
Universal joint. E. B. Anderson. 2,299,001; Oct. 13.
Vacuum can closing machine. R. E. J. Nordquist. 2,298,306; Oct. 13.
Vacuum distillation from moving surfaces and apparatus therefor. K. C. D. Hickman. 2,298,377; Oct. 13.
Valve: *See*—
Back water valve.
Expansion valve.
Gas valve.
Reducing valve.
Valve. R. H. Thorner. 2,298,632; Oct. 13.
Valve stem locator. C. S. Ash and L. A. Larsen. 2,298,333; Oct. 13.
Valved closure for dispensing bottles. A. M. Mazzarelli. 2,298,957; Oct. 13.
Variable stroke motor. D. M. Berges. 2,298,457; Oct. 13.
Vehicle: *See*—
Automotive vehicle.
Refrigerated vehicle.
Self-loading and self-propelled vehicle.
Vehicle. J. Nicol. 2,298,773; Oct. 13.
Venetian blind. G. F. McKerlie. 2,298,538; Oct. 13.
Venetian blind cord lock. H. K. Lorentzen. 2,298,952; Oct. 13.
Venetian blind tilt bay bracket. H. K. Lorentzen. 2,298,953; Oct. 13.
Venetian blind tilter. H. K. Lorentzen. 2,298,891; Oct. 13.
Vent for containers. C. B. Griffin, Jr., and A. F. Schuch. 2,298,938; Oct. 13.
Voltage and current limiter. J. E. Smith, J. N. Whitaker, and G. R. Clark. 2,298,657; Oct. 13.
Wad forming machine. A. J. Lewis. 2,298,391; Oct. 13.
Wadding re-expanders, Creped. C. A. Fourness and R. A. Moravek. 2,298,531; Oct. 13.
Wagon box, Combination. L. Balestri. 2,298,524; Oct. 13.
Wall coverings, Removably positioning. S. P. Lichtor. 2,298,743; Oct. 13.
Wall form, Concrete foundation. J. B. Oswald. 2,298,837; Oct. 13.
Wall tile clip. E. P. Lockart. 2,298,740; Oct. 13.
Washer: *See*—
Replacement washer.
Washing machine. A. H. Labisky. 2,298,624; Oct. 13.
Washing machine. C. K. Skinner. 2,298,905; Oct. 13.
Watchcase. M. Schechmer. 2,298,971; Oct. 13.

Water heater. R. G. Ferris. 2,299,053; Oct. 13.
Water treatment, Steep. R. P. Jurgensen and A. G. Rohwer. 2,298,623; Oct. 13.
Wax from waste waxed paper, Process of reclaiming. P. E. Howard. 2,298,943; Oct. 13.
Wax-polymer blend manufacture. A. C. Skooglund. 2,298,846; Oct. 13.
Weighing apparatus, Liquid. H. Richardson. 2,298,967; Oct. 13.
Welder, Gang spot. R. Schiff. 2,298,843; Oct. 13.
Welding rod. C. C. Davis. 2,298,686; Oct. 13.
Well logging. L. G. Howell. 2,298,794; Oct. 13.
Wheel: See—
Steering wheel.
Wheel dressing, Grinding. F. P. Hegeman. 2,298,762; Oct. 13.
Wheel trim means. E. L. Wood. 2,298,669; Oct. 13.
Window construction. J. T. Miller. 2,298,406; Oct. 13.
Window structure. P. W. Sullivan. 2,298,515; Oct. 13.
Windshield cleaner. G. R. Ericson and C. E. Markham. 2,298,474; Oct. 13.
Windshield cleaner. E. C. Horton and A. Rappl. 2,298,484; Oct. 13.
Wiper, Window. J. H. Herzog. 2,298,763; Oct. 13.
Wire, Pile. G. Dalkowitz. 2,298,873; Oct. 13.
Wireless transmission of messages, Method and apparatus for hindering interference with. F. C. P. Henroteau. 2,298,562; Oct. 13.
Yarn winding machine. H. R. Childs. 2,298,345; Oct. 13.
Zein in solvents acidified with inorganic acids, Solution of. R. E. Coleman. 2,298,548; Oct. 13.
Zein, Treating. R. E. Coleman. 2,298,549; Oct. 13.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 13, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 2: 2,298,684
3: 2,298,520
2— 33: 2,298,737
169: 2,298,959
185: 2,298,672
237: 2,298,381
339: 2,298,659
4— 243: 2,298,547
8— 61: 2,298,401
136: 2,298,841
9— 2: 2,298,714
12— 4: 2,298,389
6: 2,298,407
7: 2,298,390
54: 2,298,454
85: 2,298,430
97: 2,298,384
15—140.3: 2,298,534
244: 2,298,320
253: 2,298,474
255: 2,298,484
2,298,763
17— 8: 2,298,580
18— 5: 2,298,913
17: 2,298,429
18: 2,298,485
30: 2,298,716
38: 2,298,729
47: 2,298,535
48: 2,298,846
54: 2,298,868
58: 2,299,039
59: 2,298,365
2,298,966
61: 2,298,724
19— 5: 2,298,904
75: 2,299,022
20— 2: 2,298,530
2,298,619
15: 2,298,743
56: 2,298,874
68: 2,298,878
21— 87: 2,298,662
22—57.2: 2,298,348
113: 2,299,016
23— 3: 2,298,641
4: 2,298,607
24: 2,298,800
128: 2,298,493
140: 2,298,464
150: 2,298,798
230: 2,298,976
255: 2,298,288
259.6: 2,298,325
288: 2,298,399
2,298,593
24— 19: 2,298,710
132: 2,298,952
263: 2,298,507
25— 41: 2,298,446
2,298,458
42: 2,299,019
122: 2,298,579
131: 2,298,837
131.6: 2,298,839
28— 20: 2,298,603
73: 2,298,676
2,298,748
29— 70: 2,298,955
76: 2,298,633
84: 2,298,266
85: 2,298,408
88.2: 2,298,379
2,299,055
103: 2,298,471
148: 2,298,418
155.5: 2,298,908
157.3: 2,298,895
30— 32: 2,298,508
30— 43: 2,298,872
2,298,962
51: 2,298,944
333: 2,298,711
33— 174: 2,298,875
178: 2,298,597
2,298,898
34— 90: 2,298,426
109: 2,298,352
35— 8: 2,298,456
12: 2,298,305
37: 2,298,635
36— 3: 2,298,932
30: 2,298,423
36: 2,299,009
57: 2,298,941
68: 2,298,274
37— 44: 2,298,768
110: 2,298,671
183: 2,298,788
38— 15: 2,298,478
40: 2,298,860
2,298,861
140: 2,298,927
40— 4: 2,298,769
25: 2,298,705
32: 2,298,990
130: 2,298,754
132: 2,298,940
136: 2,298,364
42— 55: 2,298,609
71: 2,298,678
43— 42: 2,298,811
46: 2,298,691
81: 2,298,634
46— 39: 2,298,431
81: 2,298,425
187: 2,299,023
47—1.1: Re.22,202
61: Pl.Pt.550
Pl.Pt.551
62: Pl.Pt.548
Pl.Pt.549
48— 180: 2,298,563
49— 5: 2,298,728
45: 2,298,709
81: 2,298,974
50— 39: 2,298,370
51— 9: 2,298,564
59: 2,298,775
71: 2,298,979
98: 2,298,496
164: 2,299,031
2,299,032
184.3: 2,298,367
195: 2,298,318
222: 2,298,394
53— 3: 2,298,854
5: 2,298,780
55— 61: 2,298,537
83: 2,298,455
56— 312: 2,298,414
57— 162: 2,298,654
58— 90: 2,298,971
59— 80: 2,298,591
60— 41: Re.22,201
2,298,663
52: 2,298,358
2,298,393
2,298,831
54: 2,298,310
2,299,049
54.6: 2,298,314
2,298,848
2,298,856
59: 2,298,625
62— 5: 2,298,924
6: 2,298,879
8: 2,298,804
62— 17: 2,298,896
24: 2,298,569
89: 2,298,546
89.5: 2,298,526
2,298,790
64— 17: 2,299,001
27: 2,299,010
28: 2,298,316
65— 59: 2,298,814
65: 2,298,901
66— 9: 2,298,812
86: 2,298,888
89: 2,298,302
172: 2,298,708
67— 29: 2,298,403
68— 4: 2,298,624
5: 2,298,906
133: 2,298,905
70— 358: 2,298,698
395: 2,298,697
456: 2,298,304
72— 16: 2,298,319
2,298,989
19: 2,298,740
22: 2,298,983
116: 2,298,376
73— 51: 2,298,894
53: 2,298,656
54: 2,298,416
251: 2,299,030
313: 2,298,893
74— 5: 2,298,626
25: 2,298,675
142: 2,298,273
189.5: 2,298,648
2,298,649
230.17: 2,298,395
2,298,535
2,299,036
254: 2,298,604
364: 2,298,645
368: 2,298,477
512: 2,298,761
558: 2,298,596
594.4: 2,298,253
75— 22: 2,298,885
67: 2,299,043
131: 2,298,483
76—82.1: 2,298,978
77— 32: 2,298,772
69: 2,298,975
78— 17: 2,298,487
49: 2,298,852
81— 9.1: 2,298,658
83— 6: 2,298,292
11: 2,298,712
94: 2,299,011
84— 467: 2,298,799
85— 1: 2,298,552
36: 2,298,568
88— 2.4: 2,298,404
14: 2,298,992
15: 2,298,966
16.2: 2,298,618
18.7: 2,298,925
22.5: 2,298,667
24: 2,298,344
2,298,422
2,298,583
26: 2,298,369
2,298,413
28: 2,298,322
47: 2,298,784
48: 2,298,502
51: 2,298,832
57: 2,298,853
2,298,993
70: 2,298,341
82: 2,298,461
90— 33: 2,298,647
91— 46: 2,298,289
2,298,631
54.5: 2,298,760
62.5: 2,298,682
92— 59: 2,298,391
93— 3: 2,298,363
35: 2,298,522
88: 2,298,451
95— 2: 2,299,015
4.5: 2,298,666
6: 2,298,443
7: 2,298,444
8: 2,298,731
2,298,733
9: 2,298,997
18: 2,298,586
2,299,002
31: 2,298,349
57: 2,298,340
61: 2,298,382
62: 2,298,787
89: 2,299,045
90.5: 2,298,963
97— 47: 2,298,499
50: 2,298,539
2,298,540
73: 2,298,553
99— 2: 2,298,623
8: 2,298,514
86: 2,298,278
154: 2,298,933
2,299,046
155: 2,298,328
171: 2,298,545
174: 2,298,779
185: 2,298,693
244: 2,298,903
100— 35: Re.22,200
101— 71: 2,299,042
416: 2,298,803
103— 4: 2,298,834
38: 2,298,350
41: 2,298,936
150: 2,298,756
162: 2,298,850
219: 2,298,567
223: 2,298,512
104— 261: 2,298,715
105— 26: 2,298,902
35: 2,298,309
208.1: 2,298,286
224.1: 2,299,051
106— 47: 2,298,746
146: 2,298,209
149: 2,298,549
153: 2,298,548
218: 2,298,876
290: 2,299,034
107— 54: 2,298,644
110— 97: 2,298,857
112— 2: 2,298,665
57: 2,298,268
165: 2,298,750
186: 2,298,871
189: 2,298,836
235: 2,298,296
2,298,770
258: 2,298,767
113— 1: 2,298,479
14: 2,298,306
114— 11: 2,298,661
144: 2,298,653
115— 34: 2,298,869
117— 23: 2,298,277
27: 2,298,664
34: 2,298,968
104: 2,299,026
113: 2,298,513
117— 126: 2,298,295
135: 2,298,793
158: 2,298,326
119— 15.5: Re.22,203
51.5: 2,298,398
133: 2,298,265
120— 13: 2,298,721
21: 2,298,555
41: 2,298,807
121— 7: 2,298,503
37: 2,298,717
97: 2,298,734
150: 2,298,457
122— 235: 2,299,050
392: 2,298,995
456: 2,299,033
490: 2,298,700
123— 16: 2,298,525
90: 2,298,961
169: 2,298,504
174: 2,298,909
125— 11: 2,298,762
33: 2,298,845
126— 39: 2,298,307
340: 2,299,052
128— 2.1: 2,298,506
263: 2,298,752
270: 2,298,424
129— 16: 2,298,290
16.5: 2,298,991
16.8: 2,298,571
25: 2,298,989
130— 5: 2,298,550
6: 2,298,930
27: 2,298,445
131— 17: 2,298,532
32: 2,298,279
237: 2,298,826
132— 9: 2,299,017
2,299,018
84: 2,298,417
136— 178: 2,298,789
137— 18: 2,298,350
2,298,627
144: 2,298,267
158: 2,298,964
139— 26: 2,299,004
44: 2,298,873
144— 231: 2,298,723
145— 35: 2,298,643
146— 18: 2,298,613
50: 2,299,020
109: 2,298,482
148— 6.5: 2,298,280
2,298,312
16: 2,298,397
150— 2.2: 2,298,361
35: 2,298,543
2,298,945
153— 64: 2,298,923
82: 2,298,703
154— 1: 2,298,531
3: 2,298,690
4: 2,298,867
47: 2,298,592
155— 14: 2,298,351
51: 2,298,450
156: 2,298,886
181: 2,298,433
158— 76: 2,298,745
160— 133: 2,299,060
170: 2,298,538
176: 2,298,891
178: 2,298,892
354: 2,298,783
161— 1: 2,298,575
164— 0.6: 2,299,063
23: 2,298,337
33: 2,298,374
164— 39: 2,298,685
49: 2,298,360
60: 2,298,366
89: 2,299,062
166— 1: 2,299,057
18: 2,298,985
167— 24: 2,298,681
171— 95: 2,298,412
97: 2,298,667
2,298,781
2,298,782
206: 2,298,962
209: 2,298,652
229: 2,298,536
242: 2,298,275
2,298,843
252: 2,298,388
172— 126: 2,298,701
152: 2,298,821
239: 2,298,521
2,298,621
2,298,735
2,298,877
278: 2,298,373
279: 2,298,617
173— 334: 2,298,342
343: 2,298,615
2,298,973
174— 87: 2,299,037
120: 2,298,324
175—41.5: 2,298,766
294: 2,298,468
2,298,517
2,298,817
298: 2,298,828
315: 2,298,441
320: 2,298,323
2,298,570
335: 2,299,007
337: 2,298,572
176— 122: 2,298,581
2,298,947
2,298,951
2,298,955
124: 2,298,336
2,298,589
2,298,904
2,298,935
177— 311: 2,298,757
353: 2,298,907
2,298,930
360: 2,298,840
178— 6.8: 2,298,476
7.1: 2,298,911
7.2: 2,298,796
2,298,797
2,298,863
2,298,864
7.3: 2,298,809
7.5: 2,298,808
2,298,870
11: 2,298,276
44: 2,298,428
2,298,498
2,298,657
58: 2,298,722
69: 2,298,956
179— 2: 2,298,487
5: 2,298,488
2,298,489
7.1: 2,298,453
15: 2,298,409
18: 2,298,519
2,298,695
2,298,699
2,298,909
27: 2,298,751
27.52: 2,298,910
100.3: 2,299,024

179—100.4: 2,298,727
114: 2,298,764
171: 2,298,297
2,298,629
2,298,926
2,298,960
2,298,987
171.5: 2,298,436
2,298,437
2,298,438
2,298,460
2,298,466
2,298,673
2,298,922
2,298,930
180— 22: 2,298,282
2,298,334
2,299,006
89: 2,298,773
182— 17: 2,298,551
183— 7: 2,298,510
34: 2,298,285
114.6: 2,298,818
184— 6: 2,298,646
189— 36: 2,298,899
72: 2,298,406
75: 2,298,385
190— 54: 2,298,786
192— 4: 2,298,509
33: 2,298,970
68: 2,299,029
71: 2,298,527
107: 2,299,028
193— 35: 2,298,921
194— 1: 2,298,500
92: 2,298,605
101: 2,298,440
195— 96: 2,298,561
196— 9: 2,298,702
10: 2,298,330
2,298,331
2,298,383
13: 2,298,791
17: 2,298,943
24: 2,298,346
2,298,347
38: 2,298,753
48: 2,298,434
49: 2,298,355
197— 65: 2,298,610
84: 2,298,805
126: 2,298,410
189: 2,298,590
2,298,742
198— 20: 2,298,829
33: 2,298,614
189: 2,298,386
198— 204: 2,298,472
213: 2,298,332
220: 2,299,005
200— 6: 2,298,802
31: 2,298,890
51: 2,298,313
55: 2,298,518
83: 2,298,795
2,299,038
84: 2,298,469
87: 2,298,573
97: 2,299,056
116: 2,298,972
122: 2,298,785
139: 2,298,823
2,298,928
148: 2,298,778
2,298,838
2,298,859
166: 2,298,999
2,299,000
201— 48: 2,298,954
67: 2,298,315
76: 2,298,679
202— 52: 2,298,377
204— 32: 2,299,054
206— 0.5: 2,298,420
16: 2,298,594
44: 2,298,897
46: 2,298,362
48: 2,298,595
56: 2,298,620
78: 2,298,421
207— 1: 2,298,887
209— 88: 2,298,368
167: 2,298,281
296: 2,298,497
210— 23: 2,298,707
24: 2,298,356
131: 2,298,674
150.5: 2,298,321
152: Re.22,199
2,298,865
204: 2,298,980
211— 34: 2,299,021
135: 2,298,427
214— 11: 2,298,704
67: 2,298,747
78: 2,298,566
82: 2,298,982
83: 2,298,448
215— 22: 2,298,655
38: 2,298,480
43: 2,298,777
74: 2,298,957
217— 68: 2,298,452
219— 1: 2,298,528
219— 3: 2,298,937
8: 2,298,686
38: 2,299,053
46: 2,298,298
2,298,299
220— 15: 2,298,577
18: 2,298,415
25: 2,299,065
39: 2,298,293
44: 2,298,938
46: 2,298,311
2,298,511
221— 31.5: 2,298,668
47.1: 2,298,920
223— 24: 2,298,602
73: 2,298,582
76: 2,299,040
2,299,041
88: 2,298,491
224— 5: 2,298,600
2,298,604
226— 68: 2,298,475
69: 2,299,064
96: 2,299,003
127: 2,298,801
229— 17: 2,299,027
37: 2,298,565
51: 2,298,462
53: 2,298,419
85: 2,298,616
92.7: 2,298,601
230— 120: 2,298,576
171: 2,298,402
206: 2,298,749
273: 2,298,696
2,298,677
234— 1.5: 2,298,608
43: 2,299,044
235— 61.6: 2,298,353
2,298,558
89: 2,298,730
144: 2,298,343
236— 21: 2,298,825
44: 2,298,827
76: 2,298,622
91: 2,298,847
240— 2: 2,298,378
9: 2,298,824
10.6: 2,299,035
47: 2,298,308
52.1: 2,298,758
81: 2,298,556
103: 2,298,588
242— 18: 2,298,345
55: 2,298,339
71: 2,298,329
2,298,574
242— 72: 2,298,759
84.5: 2,298,481
125: 2,298,357
158: 2,298,819
244— 42: 2,298,264
75: 2,298,611
103: 2,298,523
137: 2,298,912
154: 2,298,400
246— 134: 2,298,946
160: 2,298,958
161: 2,298,806
219: 2,298,815
248— 39: 2,298,744
71: 2,298,560
75: 2,298,541
125: 2,298,741
191: 2,298,380
205: 2,298,692
253: 2,298,439
262: 2,298,953
285: 2,299,008
342: 2,298,554
249— 26: 2,298,967
250— 8: 2,298,562
11: 2,298,272
2,298,449
2,298,880
14: 2,299,058
15: 2,298,435
20: 2,299,059
27.5: 2,298,822
2,298,929
2,298,949
2,298,950
33: 2,298,900
36: 2,298,774
52: 2,298,942
68: 2,298,587
81: 2,298,948
83.6: 2,298,794
148: 2,298,335
162: 2,299,047
251— 27: 2,298,632
104: 2,298,771
137: 2,298,720
160: 2,298,338
252— 8.5: 2,298,984
8.8: 2,298,432
39: 2,298,317
47: 2,298,637
48: 2,298,639
51: 2,298,557
2,298,636
2,298,640
54: 2,298,301
2,298,638
252— 56: 2,298,844
2,298,855
58: 2,298,833
79: 2,298,465
161: 2,298,650
2,298,651
2,298,696
189: 2,298,411
242: 2,298,442
311.5: 2,298,612
255— 1.6: 2,298,706
43: 2,298,792
257— 3: 2,298,810
128: 2,298,996
258— 1: 2,298,688
259— 165: 2,298,495
260— 18: 2,298,470
32: 2,298,813
51: 2,298,866
68: 2,298,473
173: 2,298,303
240: 2,298,732
248: 2,298,533
297: 2,298,490
344: 2,298,459
407: 2,298,270
2,298,271
2,298,914
2,298,915
2,298,916
2,298,917
2,298,918
2,298,919
419: 2,298,501
464: 2,298,739
468: 2,298,670
514: 2,298,387
2,299,013
546: 2,298,354
564: 2,299,012
570.8: 2,298,630
577: 2,298,284
610: 2,298,405
624: 2,298,660
625: 2,298,291
627: 2,298,816
637: 2,299,048
644: 2,298,375
683: 2,298,931
799: 2,298,726
810: 2,298,881
821: 2,298,713
261— 83: 2,298,294
112: 2,298,287
262— 1: 2,298,599
30: 2,298,392
263— 52: 2,298,842
265— 24: 2,298,725
266— 5: 2,298,883
267— 20: 2,298,585
34: 2,298,529
45: 2,298,372
268— 66: 2,298,542
271— 2.3: 2,298,492
2,298,882
10: 2,298,683
273— 25: 2,298,689
43: 2,298,718
81: 2,298,505
95: 2,298,951
118: 2,298,300
135: 2,298,998
139: 2,298,486
274— 10: 2,298,447
2,298,988
277— 71: 2,298,396
279— 19.5: 2,298,719
280— 179: 2,298,851
276: 2,298,494
281— 25: 2,299,061
282— 18: 2,298,327
28: 2,299,014
285— 71: 2,298,736
2,298,738
286— 5: 2,298,463
287— 53: 2,298,858
90: 2,298,544
2,298,642
125: 2,298,516
290— 7: 2,298,820
40: 2,298,977
292— 5: 2,298,559
144: 2,298,776
335: 2,298,598
296— 11: 2,298,524
44: 2,298,515
299— 120: 2,298,755
129: 2,298,765
140: 2,298,680
153: 2,298,934
301— 36: 2,298,333
37: 2,298,669
303— 4: 2,298,628
308— 9: 2,298,849
309— 23: 2,298,584
24: 2,298,371
311— 21: 2,299,025
107: 2,298,578
312— 44: 2,298,884

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Re. 22,202: 47— 1.1
2,298,265: 119— 133
2,298,269: 106— 146
2,298,281: 209— 167
2,298,311: 220— 46
2,298,317: 252— 39
2,298,319: 72— 16
2,298,325: 23—259.6
2,298,326: 117— 158
2,298,329: 242— 71
2,298,333: 301— 36
2,298,335: 250— 148
2,298,365: 18— 59
2,298,387: 260— 514
2,298,420: 209— 0.5
2,298,426: 34— 9
2,298,484: 196— 48
2,298,452: 217— 68
2,298,465: 252— 79
2,298,470: 260— 18
2,298,476: 178— 6.8
2,298,477: 74— 368
2,298,478: 38— 15
2,298,495: 259— 165
2,298,497: 209— 296
2,298,511: 220— 46
2,298,512: 103— 223
2,298,513: 117— 113
2,298,538: 160— 170
2,298,549: 106— 149
2,298,557: 252— 51
2,298,565: 229— 37
2,298,577: 220— 15
2,298,596: 74— 558
2,298,613: 146— 18
2,298,618: 88— 16.2
2,298,638: 252— 54
2,298,639: 252— 48
2,298,640: 252— 51
2,298,641: 23— 3
2,298,654: 57— 162
2,298,659: 2— 339
2,298,671: 37— 110
2,298,676: 28— 73
2,298,691: 43— 46
2,298,706: 255— 1.6
2,298,748: 28— 73
2,298,773: 180— 89
2,298,783: 160— 354
2,298,793: 117— 135
2,298,804: 62— 8
2,298,824: 240— 9
2,298,832: 88— 51
2,298,857: 110— 97
2,298,879: 62— 6
2,298,890: 200— 31
2,298,891: 160— 176
2,298,892: 160— 178
2,298,896: 62— 17
2,298,899: 189— 36
2,298,900: 250— 33
2,298,905: 68— 133
2,298,942: 250— 52
2,298,952: 24— 132
2,298,953: 248— 262
2,298,954: 201— 48
2,298,968: 117— 34
2,299,013: 260— 514
2,299,025: 311— 21
2,299,026: 117— 104
2,299,027: 229— 17
2,299,047: 250— 162
2,299,060: 160— 133
2,299,065: 220— 25

U. S. GOVERNMENT PRINTING OFFICE: 1942

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing devices. Serial No. 452,140; Oct. 20. Class 23.

Allied Mills, Inc., Chicago, Ill. Vegetable phosphatide preparation. Serial No. 453,481; Oct. 20. Class 6.

Animal Products, Inc., Chicago, Ill. Vitamin capsules for animals. Serial No. 454,593; Oct. 20. Class 6.

Bacmo Postman Corporation, New York, N. Y. Gloves. Serial No. 454,570; Oct. 20. Class 39.

Barlin Laboratories, Philadelphia, Pa. Volatile preparation applied in fluid form to laminations of gauze bandage, etc. Serial No. 454,222; Oct. 20. Class 6.

Bendel, Henri, Inc., New York, N. Y. Perfumes, toilet water, beauty creams, etc. Serial No. 453,954; Oct. 20. Class 6.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Tenpins, duck pins, bowling ball bags, etc. Serial No. 453,533; Oct. 20. Class 22.

Canners Exchange, Inc, Springfield, Mo. Canned vegetables and canned blackberries. Serial No. 453,263; Oct. 20. Class 46.

Cannon & Waller, Incorporated, Toledo, Ohio. Smoking tobacco and cigarettes. Serial No. 452,004; Oct. 20. Class 17.

Cast Alloy Company, Inc., Cambridge, Mass. Non-ferrous castings. Serial No. 453,911; Oct. 20. Class 14.

Celanese Corporation of America, New York, N. Y. Transparent or translucent wrapping and packing material. Serial No. 453,745; Oct. 20. Class 37.

Celotex Corporation, The, Chicago, Ill. Heat insulating building materials. Serial No. 453,431; Oct. 20. Class 12.

Certified Extracts, Inc., New York, N. Y. Imitation vanilla flavor. Serial No. 454,531; Oct. 20. Class 46.

Cherry-Burrell Corporation, Chicago, Ill. Container filling and capping machinery. Serial No. 454,936; Oct. 20, 1942. Class 23.

Chicken in the Rough. (See Osborne, Beverly.)

Council Publications, Inc., Minneapolis, Minn. Periodical. Serial No. 455,252; Oct. 20. Class 38.

De Sanno, A. P., & Sons, Inc., Phoenixville, Pa. Abrasives. Serial No. 454,186; Oct. 20. Class 4.

Distillation Products, Inc., Rochester, N. Y. Phthalates, sebacates, amyl phthalates, etc. Serial No. 442,896; Oct. 20. Class 6.

Ellison Insulations Limited, Birmingham, England. Materials made wholly or in part from synthetic resinoids. Serial No. 433,275; Oct. 20. Class 1.

Endo Products, Inc., New York, N. Y. Ointment. Serial No. 454,966; Oct. 20. Class 6.

Endo Products, Inc., New York, N. Y. Narcotic preparation. Serial No. 455,017; Oct. 20. Class 6.

Falcon Tool Co., Detroit, Mich. Gages. Serial No. 454,654; Oct. 20. Class 26

Formica Insulation Company, The, Cincinnati, Ohio. Electrically non-conductive shop and mill truck wheels. Serial No. 455,180; Oct. 20. Class 19.

Fox Head Waukesha Corporation, Waukesha, Wis. Lager and pale beer. Serial No. 448,969; Oct. 20. Class 48.

Fredericks, John, Inc., New York, N. Y. Women's and misses' hats. Serial No. 454,777; Oct. 20 Class 39.

Freeda Agar Products, New York, N. Y. Vitamin capsules or tablets. Serial No. 455,050; Oct. 20. Class 6.

Garrity Novelties, Incorporated, Medford, Mass. Hair wavers, hair curlers, and hair crimpers. Serial No. 454,656; Oct. 20. Class 40.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Unplasticized vinyl resins. Serial No. 453,197; Oct. 20. Class 1.

Harvey, G. F., Company, The, Saratoga Springs, N. Y. Vitamin medicinal preparation. Serial No. 455,479; Oct. 20. Class 6.

Hewlett-Packard Company, Palo Alto, Calif. Audio frequency oscillators, audio signal generators and square wave generators. Serial No. 451,533; Oct. 20. Class 21.

Household Products Co., Chicago, Ill Canned apricots, canned beans, canned beets, etc. Serial No. 453,302; Oct. 20. Class 46.

Hydraulic Controls, Inc., Chicago, Ill. Fluid control devices. Serial No. 453,720; Oct. 20. Class 23.

Hydraulic Development Corporation, Medford and West Medford, Mass. Pipe-joint packing material. Serial No. 455,233; Oct. 20. Class 35.

Idris Ltd., London, England Quinine water, soda water, and ginger beer. Serial No. 453,983; Oct. 20. Class 45.

Kanner-Wald Inc., South Norwalk, Conn. Men's hats. Serial No. 454,171; Oct. 20. Class 39.

Kimble Glass Company, Vineland, N. J. Chemical, scientific, and laboratory glassware. Serial No. 450,360; Oct. 20. Class 26.

Kimble Glass Company, Vineland, N. J. Chemical, scientific, and laboratory glassware. Serial No. 451,441; Oct. 20. Class 26.

Kimble Glass Company, Vineland, N. J. Glass rods, glass tubing, and glass containers. Serial No. 451,442; Oct. 20. Class 33.

Kimble Glass Company, Vineland, N. J. Glass products. Serial No. 451,443; Oct. 20. Class 44.

Kimble Glass Company, Vineland, N. J. Chemical, scientific, and laboratory glassware. Serial No. 451,444; Oct. 20. Class 26.

Kimble Glass Company, Vineland, N. J. Glass rods, glass tubing, and glass containers. Serial No. 451,445; Oct. 20. Class 33.

Kimble Glass Company, Vineland, N. J. Glass products. Serial No. 451,446; Oct. 20. Class 44.

Koret, Inc., New York, N. Y. Handbags. Serial No. 454,216; Oct. 20. Class 3.

La Fleur, Vincent G., Saginaw, Mich. Trick mirror devices. Serial No. 454,539; Oct. 20. Class 22.

Leach, H., Machinery Co., Providence, R. I. Milling and cutting heads for metal working machinery. Serial No. 449,614; Oct. 20. Class 23.

Look, Inc., Des Moines, Iowa. Section of a magazine. Serial No. 439,231; Oct. 20. Class 38.

Lucille of Hollywood, Inc., Los Angeles, Calif. Brassières. Serial No. 454,558; Oct. 20. Class 39.

Lukehart, C. J., Trafford, Pa. Scalp rub. Serial No. 454,971; Oct. 20. Class 6.

Macy, R. H., & Co., Inc., New York, N. Y. Book lists. Serial No. 451,587; Oct. 20. Class 38.

Magnavox Company, Ltd., The, Fort Wayne, Ind. Electrical sound-amplifying devices, loud-speaking telephones, marine telephones, etc. Serial No. 454,142; Oct. 20. Class 21.

Masury, John W., & Son, New York, N. Y. Ready-mixed and paste paints, varnishes, paint enamels, and stains. Serial No. 443,199; Oct. 20. Class 16.

McKelvy, Alfred D., Company, Minneapolis, Minn. Toilet kit. Serial No. 454,912; Oct. 20. Class 6.

Morgan, Arthur W., Yonkers, N. Y. Golf balls. Serial No. 453,876; Oct. 20. Class 22.

Morgan, Arthur W., Yonkers, N. Y. Golf balls. Serial No. 453,878; Oct. 20. Class 22.

Napp, H. R., Limited, London, England. Medicinal tonic preparations. Serial No. 454,664; Oct. 20. Class 6.

Northern Rubber Company, Ltd., Guelph, Ontario, Canada. Shoes. Serial No. 451,449; Oct. 20. Class 39.

Nuodex Products Co., Inc., Elizabeth, N. J. Driers for ready mixed paints, enamels, varnishes, etc. Serial No. 453,117; Oct. 20. Class 16.

Osborne, Beverly, doing business as Chicken in the Rough, Oklahoma City, Okla. Electrical signs. Serial No. 451,750; Oct. 20. Class 21.

Polaroid Corporation, Cambridge, Mass. Filters, lenses, eyeglasses, etc. Serial No. 454,510; Oct. 20. Class 26.

Pransky, Edward S., doing business as Weldcio Manufacturing Company, Philadelphia, Pa. Coats, cape-bib sleeves, cape sleeves, etc. Serial No. 446,446; Oct. 20. Class 39.

Printz, Glenn E., doing business as Printz Electric Company, Detroit, Mich. Magnetic chucks, magnetic parallels, electric demagnetizers, etc. Serial No. 452,836; Oct. 20. Class 21.

Reed, E. P., & Co., Rochester, N. Y. Shoes. Serial No. 454,767; Oct. 20. Class 39.

Rohm & Haas Company, Philadelphia, Pa. Lacquer emulsions for use in leather finishing. Serial No. 453,881; Oct. 20. Class 16.

Rossano, G., & Bro. Inc., New York, N. Y. Dried lentils, canned tomato paste, canned peas, etc. Serial No. 452,569; Oct. 20. Class 46

Safeway Stores, Inc., of Nevada, doing business as Table Products Co., Reno, Nev., and Oakland, Calif. Candy bars. Serial No. 455,210; Oct. 20. Class 46.

Schieffelin & Co., New York, N. Y. Pharmaceutical preparation. Serial No. 453,739; Oct. 20. Class 6.

Scott, Lawrence B., Columbus, Ohio. Metallic rods and elements for repairing cracked and broken castings of steel, iron, or other metals. Serial No. 453,498; Oct. 20. Class 14.

Seydel Chemical Company, Jersey City, N. J. Chemical preparation for use in the treatment of food. Serial No. 452,894; Oct. 20. Class 6.

Shane, C. B., Corporation, Chicago, Ill. Overcoats and topcoats. Serial No. 455,089; Oct. 20. Class 39.

Shirtcraft Company, Inc., The, Baltimore, Md. Women's dickeys. Serial No. 454,783; Oct. 20. Class 39.

Smith, H. E., Company, The, Newark, N. J. Stencils. Serial No. 453,782; Oct. 20. Class 37.

Southern Cotton Oil Company, The, New Orleans, La. Imitation olive oil. Serial No. 454,702; Oct. 20. Class 46.

Standard Register Company, The, Dayton, Ohio. Hand drawn illustrations, sketches, layouts, and designs. Serial No. 433,762; Oct. 20. Class 38.

Stillitz, C., London, England. Articles of clothing. Serial No. 448,208; Oct. 20. Class 39.

Sussberg & Feinberg, Inc., New York, N. Y. Women's and misses' lingerie. Serial No. 454,725; Oct. 20. Class 39.
Susskind, Siegfried, doing business as Susskind Glove Co., Cincinnati, Ohio. Gloves. Serial No. 454,673; Oct. 20. Class 39.
Table Products Co. (See Safeway Stores, Inc., of Nevada.)
Table Rock Laboratories, Inc., Greenville, S. C. Cod liver concentrate. Serial No. 453,449; Oct. 20. Class 6.
Timme, Otto, deceased, Estate of, doing business as E. F. Timme & Son. Pile fabrics in the piece. Serial Nos. 454,745–6; Oct. 20. Class 42.
Trabert & Hoeffer Inc., New York, N. Y. Emeralds and precious stones. Serial No. 454,383; Oct. 20. Class 28.
Trico Fuse Mfg. Co., Milwaukee, Wis. Lubricating devices in the nature of oil cups for machine bearings. Serial No 451,183; Oct. 20. Class 23.
United Aircraft Corporation, East Hartford, Conn. Internal combustion engines. Serial No. 454,466; Oct. 20. Class 23.
United States Gypsum Company, Chicago, Ill. Fibrous insulating board, picture mold, base screed, etc. Serial No. 447,921; Oct. 20. Class 12.
Vascoloy-Ramet Corporation, North Chicago, Ill. Tools and parts of tools for working and cutting metal and other materials. Serial Nos. 427,858–60; Oct. 20. Class 23.
Vick Chemical Company, Wilmington, Del. Skin antiseptic. Serial No. 455,147; Oct. 20. Class 6.
Vick Chemical Company, Wilmington, Del. Germicide. Serial No. 455,148; Oct. 20. Class 6.
Vita-Power Products Co., Inc., New York, N. Y. Powder and pelleted composition. Serial No. 454,787; Oct. 20. Class 6.
Walgreen Co., Chicago, Ill. Laxative pellets. Serial No. 455,057; Oct. 20. Class 6.
Weidelo Manufacturing Company. (See Pransky, Edward S.)
Western Grocer Company, also doing business as Western Grocer Mills, Marshalltown, Iowa. Coffee. Serial No. 455,095; Oct. 20. Class 46.
White Camel Company, Washington, D. C. Chemical compound. Serial No. 452,819; Oct. 20. Class 6.
Yale Products Inc., New York, N. Y. Medical preparation. Serial No. 454,471; Oct. 20. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Alembik, Ignace, New York, N. Y. Composition for impregnating wood fabric, and other fibrous material. 398,326; Oct. 20; Serial Nos. 453,973–4; published Aug. 11, 1942. Class 6.
Allied Chemical & Dye Corporation, New York, N. Y. Bituminous material for use in compounding rubber. 398,289; Oct. 20; Serial No. 453,190; published Aug. 11, 1942. Class 1.
Alma Laboratories, Inc., New Orleans, La. Nose drops. 398,306; Oct. 20; Serial No. 453,482; published Aug. 11, 1942. Class 6.
Altmann, Bernhard, New York, N. Y. Yarns. 398,272; Oct. 20; Serial No. 452,370; published Aug. 4, 1942. Class 43.
Aluminum Walzwerke A.-G., Schaffhausen, to Robert Viktor Neher A.-G., Kreuzlingen, Switzerland, successor. Boxes and vases made of aluminum. 159,651; renewed Oct. 3, 1942.
American Hominy Company, Indianapolis, Ind., and Decatur, Ill., to Dextora Company, Indianapolis, Ind., successor. Corn-syrup. 146,161; renewed Sept. 6, 1941.
American Type Founders, Incorporated, Elizabeth, N. J. Printers' type. 398,294; Oct. 20; Serial No. 453,227; published Aug. 11, 1942. Class 14.
Amoskeag-Lawrence Mills, Inc., Manchester, N. H. Yarns. 398,298; Oct. 20; Serial No. 453,354; published Aug. 4, 1942. Class 43.
Avon Products, Inc., New York, N. Y. Sets sold as a unit comprising handkerchiefs and perfume. 398,278; Oct. 20; Serial No. 452,665; published Aug. 11, 1942. Class 50.
Bagedonow, Max, doing business as Bagedonow Company, New York, N. Y. Women's, children's, and misses' coats, skirts, dresses, etc. 398,336; Oct. 20, 1942. Class 39.
Barnsdall Tripoli Corporation, Seneca, Mo. Tripoli flour. 398,301; Oct. 20; Serial No. 453,406; published Aug. 11, 1942. Class 1.
Batcheller, George C., & Co., New York, N. Y., to George C. Batcheller & Co., Inc., Bridgeport, Conn., successor. Corsets. 158,607; renewed Sept. 12, 1942.
Batcheller, George C., & Co., New York, N. Y., to George C. Batcheller & Co., Inc., Bridgeport, Conn., successor. Corsets. 158,890; renewed Sept. 19, 1942.
Baumert, F. X., & Co. Inc., assignor, by mesne assignments, and change of name to The Borden Company, New York, N. Y. Cheese. 165,272; renewed Mar. 6, 1943.
Beach & Arthur Paper Company, Paperville, Pa. Manifold and "mimeograph" paper. 398,345; Oct. 20. Class 37.
Belding Heminway Company, New York, N. Y. Threads of silk, cotton, rayon, etc. 398,288; Oct. 20; Serial No. 453,174; published July 28, 1942. Class 43.
Benedict, T. N., Mfg. Co., East Syracuse, N. Y. Silverplated tableware and precious-metal hollow ware. 158,177; renewed Aug. 29, 1942.
Ben-Gee Sales Company. (See Guzofsky, Benjamin.)
Binney & Smith Company, East Orange, N. J., and New York, to Binney & Smith Company, New York, N. Y. Water-color paints. 165,139; renewed Mar. 6, 1943.
Borden Company, The. (See Baumert, F. X., & Co. Inc., assignor.)
Borden Company, The. (See New York Condensed Milk Company, assignor.)
Borden Company, The, New York, N. Y. Aqueous solutions. 398,260; Oct. 20; Serial No. 451,045; published Aug. 11, 1942. Class 6.
Bradford Dyers' Association Limited, Bradford, England. Woolen piece goods. 165,120; renewed Mar. 6, 1943.
Bradford Dyers' Association Limited, The, Bradford, England. Woolen piece goods. 165,326–8; renewed Mar. 6, 1943.
Bradford Dyers' Association Limited, The, Bradford, England. Woolen piece goods. 165,408–9; renewed Mar. 6, 1943.
Bradford Dyers' Association Limited, The, Bradford, England. Mohair piece goods. 165,410; renewed Mar. 6, 1943.
Bradford Dyers' Association Limited, The, Bradford, England. Woolen piece goods. 165,411; renewed Mar. 6, 1943.
Brewster Hat Company, Inc., assignor to Kempton Hat Company, Inc., New York, N. Y. Women's hats. 398,331; Oct. 20. Class 39.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables. 398,316–8; Oct. 20; Serial Nos. 453,664–6; published Aug. 11, 1942. Class 22.
Burgio Bros., Inc., New York, N. Y. Hosiery. 398,346; Oct. 20. Class 39.
Burhans, Robert, Jr., Los Angeles, Calif., assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Insulating powder. 160,144; renewed Oct. 17, 1942.
Cadillac Ginger Ale Co., Detroit, Mich. Beverages, concentrated syrups and flavors. 398,264; Oct. 20; Serial No. 451,486; published Aug. 11, 1942. Class 45.
California Packing Corporation, San Francisco, Calif. Canned cooked prunes. 164,057; renewed Feb. 13, 1943.
Capitol Piece Dye Works Inc., New York and Garnerville, West Haverstraw, N. Y. Piece goods. 398,262; Oct. 20; Serial No. 451,102; published June 30, 1942. Class 42.
Caradine Hat Company, St. Louis, Mo. Hats. 398,299; Oct. 20; Serial No. 453,380; published Aug. 4, 1942. Class 39.
Celanese Corporation of America, New York, N. Y. Hosiery. 398,307; Oct. 20; Serial No. 453,488; published July 28, 1942. Class 39.
Cer-Lax Company, The, doing business as The Cer-Lax Co., Inc., Canton, Ohio. Food mixtures. 398,295; Oct. 20; Serial No. 453,235; published Aug. 11, 1942. Class 46.
Chay, Tee K., New York, N. Y. Game. 398,300; Oct. 20; Serial No. 453,381; published Aug. 11, 1942. Class 22.
Chemex Corporation, New York, N. Y. Filter paper. 398,259; Oct. 20; Serial No. 450,827; published Aug. 11, 1942. Class 31.
Cheney Brothers, Manchester, Conn., and New York, N. Y. Piece goods. 398,337; Oct. 20. Class 42.
Chicago Mail Order Company, Chicago, Ill. Dresses. 398,343; Oct. 20. Class 39.
Commander-Larabee Milling Company. (See Larabee Flour Mills Corporation, assignor.)
Continental Ore Corporation, New York, N. Y. Ferrous metals and ferrous metal alloys, etc. 398,266; Oct. 20; Serial No. 452,006; published Aug. 11, 1942. Class 14.
Corning Glass Works, Corning, N. Y. Laboratory glassware. 398,319; Oct. 20; Serial No. 453,715; published Aug. 11, 1942. Class 26.
Daroff, H., & Sons, Inc., Philadelphia, Pa. Men's and young men's suits, topcoats, and overcoats. 398,282; Oct. 20; Serial No. 452,978; published July 28, 1942. Class 39.
Davis, Charles, Paris, to Societe A Responsibilite Limitee M. Broux & Cie., Colombes, France, successor. Face-powder, rouge, and massage-cream. 147,977; renewed Nov. 8, 1941. Class 6.
Dearborn Glass Company, Chicago, Ill. Glass sheets. 398,309; Oct. 20; Serial No. 453,507; published Aug. 11, 1942. Class 33.
Delaware Ribbon Manufacturers Inc., Philadelphia, Pa. Ribbon. 398,348; Oct. 20. Class 42.

Derwent Mills Limited, Matlock Borough, England, assignor, by mesne assignments, to Patons & Baldwins, Inc., Newark, N. J. Clothing. 157,046; renewed July 25, 1942. Class 39.
Derwent Mills Limited, Matlock Borough, England, assignor, by mesne assignments, to Patons & Baldwins, Inc., Newark, N. J. Woven, knitted, and other cloths and stuffs of wool, worsted, or hair. 157,665; renewed Aug. 15, 1942.
Devilbiss Manufacturing Co., The, by change of name to The Devilbiss Company, Toledo, Ohio. Surgical and medical goods. 164,521; renewed Feb. 20, 1943.
Dextora Company. (See American Hominy Company.)
Diamond Iron Works, Inc., Minneapolis, Minn. Alloy metal iron castings. 398,328; Oct. 20, 1942. Class 14.
Dicks, David C., Chicago, Ill. Dresses. 398,334; Oct. 20. Class 39.
Dutton, E. P., & Company, assignor to E. P. Dutton & Co., Inc., New York, N. Y. Printed books. 158,651–2; renewed Sept. 12, 1942.
Eastern Corporation, Brewer, Maine. Paper and envelopes. 398,285; Oct. 20; Serial No. 453,100; published Aug. 11, 1942. Class 37.
Empire Silk Company, Wilmington, Del., and New York, N. Y., assignor to J. Rosenholz Inc., New York, N. Y. Silk piece goods. 157,939; renewed Aug. 22, 1942.
Enge, Charles G., also doing business as Western Chemical Company, New York, N. Y. Insecticides. 398,254; Oct. 20; Serial No. 448,633; published Mar. 10, 1942. Class 6.
Epstein, Maurice, doing business as Imperial Cap Works, Denver, Colo. Uniform-type caps and cap covers. 398,347; Oct. 20. Class 39.
Ettelbrick Shoe Company, assignor to Step Master Shoes, Incorporated, Greenup, Ill. Shoes. 398,235; Oct. 20; Serial No. 441,282; published May 13, 1941. Class 39.
Extruded Plastics, Inc., Norwalk, Conn. Plastic trim. 398,247; Oct. 20; Serial No. 444,668; published Aug. 11, 1942. Class 50.
Failsworth Hats, Limited, London, England. Hats 398,342; Oct. 20. Class 39.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Vermifuge. 164,107; renewed Feb. 13, 1943.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Insecticide. 164,108; renewed Feb. 13, 1943.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Nerve tonic. 164,109; renewed Feb. 13, 1943.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Medicine to be used in the treatment of skin diseases. 164,110; renewed Feb. 13, 1943.
Farel Destin, Inc., New York, N. Y. Facial creams. 398,231; Oct. 20; Serial No. 429,935; published Aug. 11, 1942. Class 6.
Follansbee, Kate, Tacoma, Wash. Hair tonic. 398,240; Oct. 20; Serial No. 443,383; published Aug. 11, 1942. Class 6.
Friedman Reiss, Inc., New York, N. Y. Textile fabrics. 398,275; Oct. 20; Serial No. 452,470; published Aug. 11, 1942. Class 42.
Fuentes, Norberto G., doing business as Prestige Rubber Co., New York, N. Y. Rectal and stomach tubes, ice caps and bags, etc. 398,267; Oct. 20; Serial No. 452,040; published Aug. 11, 1942. Class 44.
Gardner, Henry A., Paint Co., assignor to Henry A. Gardner Laboratory, Inc., Washington, D. C. Paints and varnishes. 165,020; renewed Feb. 27, 1943.
Germaine Monteil Cosmetiques Corporation, New York, N. Y. Suntan lotion. 398,321; Oct. 20; Serial No. 453,775; published Aug. 11, 1942. Class 6.
Glemby, S., Inc., now, by change of name, S. Glemby's Sons Co. Inc., assignor to The Glemby Company, Inc., New York, N. Y. Hair nets. 164,063; renewed Feb. 13, 1943.
Greenspoon Clothing Co., Inc., St. Louis, Mo. Wearing apparel. 398,236; Oct. 20; Serial No. 441,536; published May 13, 1941. Class 39.
Grenor Pharmaceuticals, Inc., Jersey City, N. J. Medicinal preparation. 398,253; Oct. 20; Serial No. 448,452; published Aug. 11, 1942. Class 6.
Guzofsky, Benjamin, doing business as Ben-Gee Sales Company, New York, N. Y. Hair pins, combs, wigs, etc. 398,273; Oct. 20; Serial No. 452,378; published Aug. 11, 1942. Class 40.
Hamilton, Robert W., New York, N. Y. Fabrics. 398,341; Oct. 20. Class 42.
Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation containing vitamins. 398,256; Oct. 20; Serial No. 449,456; published Feb. 17, 1942. Class 6.
Horn, William H., and Brother, Incorporated, Philadelphia, Pa. Elastic surgical stockings. 398,322; Oct. 20; Serial No. 453,777; published Aug. 11, 1942. Class 44.
Houghton, E. F., & Co., Philadelphia, Pa. Rust and corrosion preventive compounds. 398,265; Oct. 20; Serial No. 451,677; published Aug. 11, 1942. Class 6.
Hudson, H. D., Manufacturing Company, Minneapolis, Minn. Hog waterers. 398,261; Oct. 20; Serial No. 451,082; published Aug. 11, 1942. Class 50.
Hufnagel, Edw. H., doing business as Norma Chemical Company, Mount Vernon, N. Y. Cleaning compound. 398,296; Oct. 20; Serial No. 453,303; published Aug 11, 1942. Class 4.
Imperial Cap Works. (See Epstein, Maurice.)
Interstate Bakeries Corporation, doing business as Schulze Baking Company, Kansas City, Mo., Cincinnati, Ohio, Omaha, Nebr., Grand Rapids, Mich., Des Moines, Iowa, and Chicago, Peoria, and Springfield, Ill. Bread and rolls. 398,232; Oct. 20; Serial No. 431,609; published Aug. 11, 1942. Class 46.
Ivers-Lee Company, Newark, N. J. Envelope-like sealed containers. 398,339; Oct. 20. Class 2.
Johns-Manville Corporation. (See Burhans, Robert, Jr., assignor.)
Johns-Manville Corporation. (See Manville, Johns, Incorporated, assignor.)
Kade, Max, doing business as Seeck & Kade, assignor to Seeck & Kade, Inc., New York, N. Y. Cough medicine. 163,099; renewed Jan. 2, 1943.
Kahn, Arthur, Co., Inc., New York, N. Y. Woven rayon and cotton fabric. 398,351; Oct. 20. Class 42.
Karp, Pauline, St. Paul, Minn. Housecoats. 398,234; Oct. 20; Serial No. 440,165; published Apr. 8, 1941. Class 39.
Katz Drug Company, Kansas City, Mo. Alarm clocks. 398,241; Oct. 20; Serial No. 443,769; published Aug. 11, 1942. Class 27.
Kempton Hat Company, Inc. (See Brewster Hat Company, Inc., assignor.)
Kimble Glass Company, Vineland, N. J. Glass rods, glass tubing, and glass containers. 398,233; Oct. 20; Serial No. 432,640; published Apr. 8, 1941. Class 33.
Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 398,237; Oct. 20; Serial No. 441,544; published Aug. 4, 1942. Class 40.
Kleinert, I. B., Rubber Company, New York, N. Y. Bathing turbans, and bibs. 398,277; Oct. 20; Serial No. 452,501; published Aug. 4, 1942. Class 39.
Kohnstamm, H., & Co., assignor to H. Kohnstamm & Co., Inc., New York, N. Y. Washing fluid. 22,436; renewed Feb. 7, 1943.
L. S. E. Co. Inc., Brooklyn, N. Y. Fancy linens. 158,725; renewed Sept. 12, 1942.
Larabee Flour Mills Corporation, Kansas City, Mo., assignor, by mesne assignments, to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 162,808; renewed Dec. 26, 1942.
La Resista Corset Company, The, Bridgeport, Conn. Corsets, corselets, girdles, etc. 398,329; Oct. 20. Class 39.
Lee Manufacturing Company, Inc., Shreveport, La. Men's and boys' overalls, jumpers, work-pants, etc. 398,268; Oct. 20; Serial No. 452,194; published July 28, 1942. Class 39.
Lehman Bros. Corp., Jersey City, N. J. Preparation for preserving and renewing automobile tires. 398,323; Oct. 20; Serial No. 453,843; published Aug. 11, 1942. Class 4.
Leonhard, Theodor, Wax Co., Paterson, to Theodor Leonhard Wax Co., Haledon, N. J. Beeswax. 164,682; renewed Feb. 27, 1943.
Leonhard, Theodor, Wax Co., Paterson, to Theodor Leonhard Wax Co., Haledon, N. J. Beeswax. 164,684; renewed Feb. 27, 1943.
Le Roy Fabrics. (See Rosenbaum, Le Roy S.)
Leveque, L. L., Company, The, Columbus, Ohio. Bowling pins. 398,320; Oct. 20; Serial No. 453,757; published Aug. 11, 1942. Class 22.
Liebovitz, S., & Sons, Inc., New York, N. Y. Shirts and sportswear for men and young men. 398,287; Oct. 20; Serial No. 453,160; published July 28, 1942. Class 39.
London Handkerchief Co., Inc., New York, N. Y. Handkerchiefs. 398,302; Oct. 20; Serial No. 453,419; published Aug. 4, 1942. Class 39.
Lone Star Peat Moss Company, Dallas, Tex. Peat moss. 398,257; Oct. 20; Serial No. 450,368; published Apr. 7, 1942. Class 1.
Ludlow Manufacturing Associates, assignor to Ludlow Manufacturing & Sales Co., Boston, Mass. Jute bagging. 161,216–17; renewed Nov. 7, 1942.
Ludlow Manufacturing Associates, assignor to Ludlow Manufacturing & Sales Co., Boston, Mass. Jute webbing. 161,536; renewed Nov. 14, 1942.
Ludlow Manufacturing Associates, assignor to Ludlow Manufacturing & Sales Co., Boston, Mass. Jute webbing. 159,717; renewed Oct. 3, 1942.
Ludlow Manufacturing & Sales Co. (See Smith & Dove Mfg. Co., assignor.)
Malbrough, Ira D., Jr., Chicago, Ill. Golf balls. 398,258; Oct. 20; Serial No. 450,398; published Aug. 11, 1942. Class 22.
Manchester Worsted Mills Corporation, Methuen, Mass. Worsted suitings. 398,354; Oct. 20. Class 42.
Manhattan Shirt Company, The, New York, N. Y. Handkerchiefs. 398,255; Oct. 20; Serial No. 448,830; published Aug. 4, 1942. Class 39.

Manville, Johns, Incorporated, assignor to Johns-Manville Corporation, New York, N. Y. Piston and piston-rod packing. 150,947; renewed Oct. 10, 1942.
Marathon Company, Attleboro, Mass. Cigarette cases made wholly or partly of precious metal. 398,229; Oct. 20; Serial No. 421,046; published Aug. 11, 1942. Class 28.
Massera, Al., Watsonville, Calif. Fresh vegetables. 398,230; Oct. 20; Serial No. 422,176; published Oct. 31, 1939. Class 46.
Masury-Young Company, Charlestown, Mass. Floor oils, spray oils, and cedar and wax sprays, etc. 398,252; Oct. 20; Serial No. 448,328; published Aug. 11, 1942. Class 4.
McMullen-Leavens Company, Inc., New York, N. Y. Men's shirts, men's and women's pajamas, shorts, and underwear; and women's wearing apparel. 398,353; Oct. 20. Class 39.
Melodee-Lane Lingerie, Inc., New York, N. Y. Slips, brassières, panties, etc. 398,271; Oct. 20; Serial No. 452,360; published June 23, 1942. Class 39.
Methuen International Mills, Methuen, Mass. Worsted suitings. 398,355; Oct. 20. Class 42.
Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' shoes. 398,312; Oct. 20; Serial No. 453,552; published Aug. 4, 1942. Class 39.
Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' shoes. 398,313–4; Oct. 20; Serial No. 453,554–5; published Aug. 4, 1942. Class 39.
Morris, J. G., doing business as The Morris System. Omaha, Nebr. Hair and scalp dressing, skin lotion, skin freshener, etc. 398,297; Oct. 20; Serial No. 453,313; published Aug. 11, 1942. Class 6.
Morris, Mann & Reilly, Inc., Chicago, Ill. Hair nets. 162,557; renewed Dec. 19, 1942.
Morris, Mann & Reilly, Inc., Chicago, Ill. Hair nets. 161,567; renewed Nov. 14, 1942.
Morrow Milling Company, assignor to Morrow Milling Company, Carthage, Mo. Wheat flour. 165,399; renewed Mar. 6, 1943.
Munz, Elmer G., Detroit, Mich. Sandwiches. 398,270; Oct. 20; Serial No. 452,272; published Aug. 11, 1942. Class 46.
Murphy, G. C., Company, McKeesport, Pa. Children's wearing apparel. 398,344; Oct. 20. Class 39.
Neher, Robert Viktor, A.-G. (See Aluminum Walzwerke A.-G.)
New York Condensed Milk Company, assignor to The Borden Company, New York, N. Y. Milk, cream, butter, etc. 22,536; re-renewed Feb. 28, 1943.
Newman, Max H., New York, N. Y. Message blanks in the form of postal cards. 398,310; Oct. 20; Serial No. 453,516; published Aug. 11, 1942. Class 37.
Norma Chemical Company. (See Hufnagel, Edw. H.)
North Packing & Provision Company, Boston, Mass., assignor, by mesne assignments, to Swift and Company, Chicago, Ill. Meat products, 22,128; renewed Dec. 6, 1942.
North Star Woolen Mill Company, Minneapolis, Minn. Blankets, couch throws, auto robes, etc. 398,276; Oct. 20; Serial No. 452,482; published Aug. 11, 1942. Class 42.
Nulomoline Company, The, New York, N. Y. Syrup molasses. 398,251; Oct. 20; Serial No. 447,347; published Aug. 11, 1942. Class 46.
Oppenheimer Fels Co., New York, N. Y. Embroidered fabrics. 398,350; Oct. 20. Class 42.
Ovington's Gift Shop, Inc., New York, N. Y. Ash receivers and trays, cigarette holders, etc. 398,290; Oct. 20; Serial No. 453,206; published Aug. 11, 1942. Class 8.
Pacific Mills, Boston, Mass. Worsted and woolen piece goods. 398,279; Oct. 20; Serial No. 452,696; published Aug. 11, 1942. Class 42.
Patons & Baldwins, Inc. (See Derwent Mills Limited, assignors.)
Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y., assignor to J. C. Penney Company, New York, N. Y. Overall combination suits. 161,255; renewed Nov. 7, 1942.
Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y., assignor to J. C. Penney Company, New York, N. Y. Work shirts. 161,256; renewed Nov. 7, 1942.
Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y., assignor to J. C. Penney Company, New York, N. Y. Overalls. 161,257; renewed Nov. 7, 1942.
Penny, J. C., Company, Salt Lake City, Utah, and New York, N. Y., assignor to J. C. Penney Company, New York, N. Y. Cotton muslin. 161,585; renewed Nov. 14, 1942.
Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y., assignor to J. C. Penney Company, New York, N. Y. Overalls and work clothes. 163,614; renewed Jan. 23, 1943.
Penny Post, Inc., St. Louis, Mo. Women's and misses' dresses. 398,303; Oct. 20; Serial No. 453,445; published July 28, 1942. Class 39.
Permo Products Corporation, Chicago, Ill. Silver base alloy. 398,315; Oct. 20; Serial No. 453,557; published Aug. 11, 1942. Class 14.
Peterson's Tobacco Corp., New York, N. Y. Smoking tobacco. 398,291; Oct. 20; Serial No. 453,210; published Aug. 11, 1942. Class 17.
Pierce Company, The, assignor to The Pierce Oil Products Corp., East Rochester, N. Y. Oils for treating artificial and real leather. 165,073; renewed Mar. 6, 1943.
Pioneer Rubber Company, The, Willard, Ohio. Gloves. 398,335; Oct. 20. Class 39.
Pioneer Suspender Company, Philadelphia, Pa. Men's suspenders, braces, garters, etc. 398,245; Oct. 20; Serial No. 444,580; published Aug. 4, 1942. Class 39.
Pix Records, New York, N. Y. Miniature phonograph records. 398,283; Oct. 20; Serial No. 453,088; published Aug. 11, 1942. Class 36.
Prestige Rubber Co (See Fuentes, Norberto G.)
Pritchard, E., Inc., Bridgeton, N. J. Canned tomatoes. 398,357; Oct. 20. Class 46.
Providence Braid Company, Pawtucket, R. I. Shoe laces. 398,292; Oct. 20; Serial No. 453,219; published Aug. 11, 1942. Class 40.
Redlands Orangedale Association, Redlands, Calif. Fresh citrus fruits. 398,238; Oct. 20; Serial No. 441,788; published Aug. 11, 1942. Class 46.
Rosenbaum, Le Roy S., doing business as Le Roy Fabrics, New York, N. Y. Piece goods. 398,333; Oct. 20. Class 42.
Rosenberg Bros. & Co., San Francisco, Calif. Dried fruits. 398,340; Oct. 20. Class 46.
Rosenholz, J., Inc. (See Empire Silk Company, assignor.)
Royal Bead Novelty Co. Inc., New York, N. Y. Handbags and purses. 398,269; Oct. 20; Serial No. 452,254; published June 2, 1942. Class 3.
Royal Bead Novelty Co., Inc., New York, N. Y. Necklaces, bracelets, and earrings. 398,274; Oct. 20; Serial No. 452,435; published Aug. 11, 1942. Class 28.
Saks, M. J., Shoe Corp., New York, N. Y. Boots, shoes, pumps, etc. 393,356; Oct. 20. Class 39.
Sankey, Charles Herbert, assignor to J. H. Sankey & Son Limited, London, England. Fire cement. 159,757; Oct. 3. Class 12.
Sayles Finishing Plants, Inc., Saylesville, R. I. Piece goods. 398,280; Oct. 20; Serial No. 452,839; published Aug. 11, 1942. Class 42.
Schmidt, H. H., Glove Co., Inc., New York, N. Y. Gloves. 398,352; Oct. 20. Class 39.
Schulze Baking Company. (See Interstate Bakeries Corporation.)
Schwefel, Jacques, Toledo, Ohio. Chart. 398,281; Oct. 20; Serial No. 452,870; published Aug. 11, 1942. Class 26.
Sears, Roebuck and Co., Chicago, Ill. Rubber sheeting. 398,304; Oct. 20; Serial No. 453,472; published Aug. 11, 1942. Class 50.
Sears, Roebuck and Co., Chicago, Ill. Paper diapers. 398,305; Oct. 20; Serial No. 453,473; published Aug. 11, 1942. Class 37.
Seeck & Kade. (See Kade, Max.)
Shiman Bros. & Co. Inc., New York, N. Y. Jewelry. 162,363; renewed Dec. 12, 1942.
Sierra Candy Company, Inc., San Francisco, Calif. Candy. 398,338; Oct. 20. Class 46.
Smith & Dove Mfg. Co., Andover, assignor, by mesne assignments to Ludlow Manufacturing & Sales Co., Boston, Mass. Linen thread. 159,762; renewed Oct. 3, 1942.
Smith & Dove Mfg. Co., Andover, assignor, by mesne assignments, to Ludlow Manufacturing & Sales Co., Boston, Mass. Linen thread. 160,296; renewed Oct. 17, 1942.
Smith's, Dr., Stock-Vigor Remedies Company, to Dr. Smith's Stock Vigor Company, Atlanta, Ga., successor. Medicines for stock, horses, dogs and poultry. 158,098; renewed Aug. 22, 1942.
Societe A Responsibilite Limitee M. Broux & Cie. (See Davis, Charles.)
Society of Chemical Industry in Basle, Basel, Switzerland. Coal tar colors. 398,242; Oct. 20; Serial Nos. 444,235–6; published Aug. 11, 1942. Class 6.
Society of Chemical Industry in Basle, Basel, Switzerland. Chemical substances. 398,244; Oct. 20; Serial No. 444,237; published Aug. 11, 1942 Class 6.
Spatz Bros., Inc., New York, N. Y. Boy's raincoats. 398,250; Oct. 20; Serial No. 446,784; published Mar. 10, 1942. Class 39.
Squibb, E. R., & Sons, New York, N. Y. Antibacterial preparations. 398,325; Oct. 20; Serial No. 453,968; published Aug. 11, 1942. Class 6.
Step Master Shoes Incorporated. (See Ettelbrick Shoe Company, assignor.)
Sterling Hosiery Company, Chicago, Ill. Hosiery. 398,284; Oct. 20; Serial No. 453,093; published July 28, 1942. Class 39.
Swift and Company. (See North Packing & Provision Company, assignor.)
Taylor-Freeman-Stanley, Incorporated, New York, N. Y. Cuticle liquid. 398,239; Oct. 20; Serial No. 442,577; published May 27, 1941. Class 6.
Thompson, William M., Red Bank, N. J. Dental cream. 164,444; renewed Feb. 20, 1943.
Thompson's Ltd., New York, N. Y. Dentifrice. 398,330; Oct. 20. Class 6.
Toledo Scale Company, Jersey City, N. J., and Toledo, Ohio, by change of name and merger, to Toledo Scale Company, Toledo, Ohio. Publication. 165,263; renewed Mar. 6, 1943.
Tolerton & Warfield Company, Sioux City, Iowa. Foods. 165,109; renewed Mar. 6, 1943.

Tolerton & Warfield Company, Sioux City, Iowa. Foods. 165,112; renewed Mar. 6, 1943.
Tubize Chatillon Corporation, New York, N. Y. Silk yarn and thread. 398,308; Oct. 20; Serial No. 453,499; published July 28, 1942. Class 43.
United Drug Company, assignor to United Drug Company, Boston, Mass. Toothbrushes. 158,553; renewed Sept. 5, 1942.
United States Gypsum Company, Chicago, Ill. Calcined gypsum, plaster of Paris, wall plaster, etc. 160,705–7; renewed Oct. 24, 1942.
United States Gypsum Company, Chicago, Ill. Calcined gypsum, plaster of Paris, and wall plaster. 160,709; renewed Oct. 24, 1942.
United States Gypsum Company, Chicago, Ill. Calcined gypsum, plaster of Paris, wall plaster, etc. 160,710–11; renewed Oct. 24, 1942.
United States Rubber Company, New York, N. Y. Latex compositions. 398,293; Oct. 20; Serial No. 453,223; published Aug. 11, 1942. Class 1.
United States Smelting Refining and Mining Company, Portland, Maine, and Boston, Mass. Arsenic. 398,311; Oct. 20; Serial No. 453,525; published Aug. 11, 1942. Class 6.
U. S. Standard Products Company, Woodworth, Wis. Pharmaceutical specialties. 398,286; Oct. 20; Serial No. 453,128; published Aug. 11, 1942. Class 6.
U. S. Vitamin Corporation, New York, N. Y. Vitamin-mineral supplement for horses in training. 398,246; Oct. 20; Serial No. 444,620; published Aug. 5, 1941. Class 6.
Vanity Fair Silk Mills, Reading, Pa. Women's and misses' house coats and breakfast coats. 398,248; Oct. 20; Serial No. 445,906; published Nov. 11, 1941. Class 39.
Wellington Sears Company, Incorporated, New York, N. Y. Duck piece goods. 398,332; Oct. 20. Class 42.
Western Chemical Company. (See Enge, Charles G.)
White Laboratories, Inc., Newark, N. J. Ophthalmic ointment for use in the local treatment of the eye. 398,249; Oct. 20; Serial No. 446,604; published Nov. 4, 1941. Class 6.
Winthrop Chemical Company, Inc. (See Farbenfabriken vorm. Friedr. Bayer & Co., assignor.)
Wool Industries Research Association, Leeds, England. Yarns. 398,263; Oct. 20; Serial No. 451,356; published Aug. 11, 1942. Class 43.
Wool Novelty Co. Inc., New York, N. Y. Dyes and tints. 398,324; Oct. 20; Serial No. 453,951; published Aug. 11, 1942. Class 6.
Zimmerman-Scher, Inc., New York, N. Y. Fur coats, fur jackets, fur scarfs, etc. 398,349; Oct. 20. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bituminous material for use in compounding rubber. Allied Chemical & Dye Corporation. 398,289; Oct. 20; Serial No. 453,190; published Aug. 11, 1942.
Latex compositions. United States Rubber Company. 398,293; Oct. 20; Serial No. 453,223; published Aug. 11, 1942.
Peat moss. Lone Star Peat Moss Company. 398,257; Oct. 20; Serial No. 450,368; published Apr. 7, 1942.
Tripoli flour. Barnsdall Tripoli Corporation. 398,301; Oct. 20; Serial No. 453,406; published Aug. 11, 1942.

CLASS 2

Boxes and vases made of aluminum. Aluminum Walzwerke A.-G. 159,651; renewed Oct. 3, 1942.
Containers, Envelope-like sealed. Ivers-Lee Company. 398,339; Oct. 20.

CLASS 3

Handbags and purses. Royal Bead Novelty Co. Inc. 398,269; Oct. 20; Serial No. 452,254; published June 2, 1942.

CLASS 4

Cleaning compound. E. H. Hufnagel. 398,296; Oct. 20; Serial No. 453,303; published Aug. 11, 1942.
Floor oils, spray oils, and cedar and wax sprays, etc. Masury-Young Company. 398,252; Oct. 20; Serial No. 448,328; published Aug. 11, 1942.
Oils for treating artificial and real leather. Pierce Company. 165,073; renewed Mar. 6, 1943.
Preparation for preserving and renewing automobile tires. Lehman Bros. Corp. 398,323; Oct. 20; Serial No. 453,843; published Aug. 11, 1942.
Washing fluid. H. Kohnstamm & Co. 22,436; renewed Feb. 7, 1943.

CLASS 6

Antibacterial preparations. E. R. Squibb & Sons. 398,325; Oct. 20; Serial No. 453,968; published Aug. 11, 1942.
Aqueous solutions. Borden Company. 398,260; Oct. 20; Serial No. 451,045; published Aug. 11, 1942.
Arsenic. United States Smelting Refining and Mining Company. 398,311; Oct. 20; Serial No. 453,525; published Aug. 11, 1942.
Beeswax. Theodor Leonhard Wax Co. 164,682; renewed Feb. 27, 1943.
Beeswax. Theodor Leonhard Wax Co. 164,684; renewed Feb. 27, 1943.
Chemical substances. Society of Chemical Industry in Basle. 398,244; Oct. 20; Serial No. 444,237; published Aug. 11, 1942.
Colors, Coal tar. Society of Chemical Industry in Basle. 398,242–3; Oct. 20; Serial No. 444,235–6; published Aug. 11, 1942.
Composition for impregnating wood, fabric, and other fibrous material. I. Alembik. 398,326–7; Oct. 20; Serial No. 453,973–4; published Aug. 11, 1942.
Compounds, Rust and corrosion preventive. E. F. Houghton & Co. 398,265; Oct. 20; Serial No. 451,677; published Aug. 11, 1942.
Cough medicine. M. Kade. 163,099; renewed Jan. 2, 1943.
Creams, Facial. Farel Destin, Inc. 398,231; Oct. 20; Serial No. 429,935; published Aug. 11, 1942.
Cuticle liquid. Taylor-Freeman-Stanley, Incorporated. 398,239; Oct. 20; Serial No. 442,577; published May 27, 1941.
Dental cream. W. M. Thompson. 164,444; renewed Feb. 20, 1943.
Dentifrice. Thompson's Ltd. 398,330; Oct. 20.
Dyes and tints. Wool Novelty Co. Inc. 398,324; Oct. 20; Serial No. 453,951; published Aug. 11, 1942.
Face-powder, rouge, and massage-cream. C. Davis. 147,977; renewed Nov. 8, 1941.
Hair and scalp dressing, skin lotion, skin freshener, etc. J. G. Morris. 398,297; Oct. 20; Serial No. 453,313; published Aug. 11, 1942.
Hair tonic. K. Follansbee. 398,240; Oct. 20; Serial No. 443,383; published Aug. 11, 1942.
Insecticide. Farbenfabriken vorm. Friedr. Bayer & Co. 164,108; renewed Feb. 13, 1943.
Insecticides. C. G. Enge. 398,254; Oct. 20; Serial No. 448,633; published Mar. 10, 1942.
Lotion, Suntan. Germaine Monteil Cosmetiques Corporation. 398,321; Oct. 20; Serial No. 453,775; published Aug. 11, 1942.
Medicinal preparation. Grenor Pharmaceuticals, Inc. 398,253; Oct. 20; Serial No. 448,452; published Aug. 11, 1942.
Medicinal preparation containing vitamins. Hoffman-La Roche, Inc. 398,256; Oct. 20; Serial No. 449,456; published Feb. 17, 1942.
Medicine to be used in the treatment of skin diseases. Farbenfabriken vorm. Friedr. Bayer & Co. 164,110; renewed Feb. 13, 1943.
Medicines for stock, horses, dogs, and poultry. Dr. Smith's Stock-Vigor Remedies Company. 158,098; renewed Aug. 22, 1942.
Nose drops. Alma Laboratories, Inc. 398,306; Oct. 20; Serial No. 453,482; published Aug. 11, 1942.
Ointment for use in the local treatment of the eye, Ophthalmic. White Laboratories, Inc. 398,249; Oct. 20; Serial No. 446,604; published Nov. 4, 1941.
Pharmaceutical specialties. U. S. Standard Products Company. 398,286; Oct. 20; Serial No. 453,128; published Aug. 11, 1942.
Tonic, Nerve. Farbenfabriken vorm. Friedr. Bayer & Co. 164,109; renewed Feb. 13, 1943.
Vermifuge. Farbenfabriken vorm. Friedr. Bayer & Co. 164,107; renewed Feb. 13, 1943.
Vitamin-mineral supplement for horses in training. U. S. Vitamin Corporation. 398,246; Oct. 20; Serial No. 444,620; published Aug. 5, 1941.

CLASS 8

Ash receivers and trays, cigarette holders, etc. Ovington's Gift Shop, Inc. 398,290; Oct. 20; Serial No. 453,206; published Aug. 11, 1942.

CLASS 12

Cement, Fire. C. H. Sankey. 159,757; renewed Oct. 3, 1942.
Gypsum, plaster of Paris, and wall plaster, Calcined. United States Gypsum Company. 160,709; renewed Oct. 24, 1942.
Gypsum, plaster of Paris, wall plaster, etc., Calcined. United States Gypsum Company. 160,705–7; renewed Oct. 24, 1942.
Gypsum, plaster of Paris, wall plaster, etc., Calcined. United States Gypsum Company. 160,710–11; renewed Oct. 24, 1942.
Insulating powder. R. Burhans, Jr. 160,144; Renewed Oct. 17, 1942.

CLASS 14

Alloy metal iron castings. Diamond Iron Works, Inc. 398,328; Oct. 20, 1942.

Alloy, Silver base. Permo Products Corporation. 398,315; Oct. 20; Serial No. 453,557; published Aug. 11, 1942.
Ferrous metals and ferrous metal alloys, etc. Continental Ore Corporation. 398,266; Oct. 20; Serial No. 452,006; published Aug. 11, 1942.
Printers' type. American Type Founders, Incorporated. 398,294; Oct. 20; Serial No. 453,227; published Aug. 11, 1942.

CLASS 16

Paints and varnishes. Henry A. Gardner Paint Co. 165,020; renewed Feb. 27, 1943.
Paints, Water-color. Binney & Smith Company. 165,139; renewed Mar. 6, 1943.

CLASS 17

Tobacco, Smoking. Peterson's Tobacco Corp. 398,291; Oct. 20; Serial No. 453,210; published Aug. 11, 1942.

CLASS 22

Billiard tables. Brunswick-Balke-Collender Company. 398,316–8; Oct. 20; Serial No. 453,664–6; published Aug. 11, 1942.
Bowling pins. L. L. Leveque Company. 398,320; Oct. 20; Serial No. 453,757; published Aug. 11, 1942.
Game. T. K. Chay. 398,300; Oct. 20; Serial No. 453,381; published Aug. 11, 1942.
Golf balls. I. D. Malbrough, Jr. 398,258; Oct. 20; Serial No. 450,398; published Aug. 11, 1942.

CLASS 26

Chart. J. Schwefel. 398,281; Oct. 20; Serial No. 452,870; published Aug. 11, 1942.
Laboratory glassware. Corning Glass Works. 398,319; Oct. 20; Serial No. 453,715; published Aug. 11, 1942.

CLASS 27

Clocks, Alarm. Katz Drug Company. 398,241; Oct. 20; Serial No. 443,769; published Aug. 11, 1942.

CLASS 28

Cases made wholly or partly of precious metal, Cigarette. Marathon Company. 398,229; Oct. 20; Serial No. 421,046; published Aug. 11, 1942.
Jewelry. Shiman Bros. & Co. Inc. 162,363; renewed Dec. 12, 1942.
Necklaces, bracelets, and earrings. Royal Bead Novelty Co. 398,274; Oct. 20; Serial No. 452,435; published Aug. 11, 1942.
Tableware and precious-metal hollow ware, Silver-plated. T. N. Benedict Mfg. Co. 158,177; renewed Aug. 29, 1942.

CLASS 29

Toothbrushes. United Drug Company. 158,553; renewed Sept. 5, 1942.

CLASS 31

Filter paper. Chemex Corporation. 398,259; Oct. 20; Serial No. 450,827; published Aug. 11, 1942.

CLASS 33

Glass rods, glass tubing and glass containers. Kimble Glass Company. 398,233; Oct. 20; Serial No. 432,640; published Apr. 8, 1941.
Glass sheets. Dearborn Glass Company. 398,309; Oct. 20; Serial No. 453,507; published Aug. 11, 1942.

CLASS 35

Piston and piston-rod packing. Johns Manville Incorporated. 159,947; renewed Oct. 10, 1942.

CLASS 36

Phonograph records, Miniature. Pix records. 398,283; Oct. 20; Serial No. 453,088; published Aug. 11, 1942.

CLASS 37

Blanks in the form of postal cards, Message. M. H. Newman. 398,310; Oct. 20; Serial No. 453,516; published Aug. 11, 1942.
Diapers, Paper. Sears, Roebuck and Co. 398,305; Oct. 20; Serial No. 453,473; published Aug. 11, 1942.
Paper and envelopes. Eastern Corporation. 398,285; Oct. 20; Serial No. 453,100; published Aug. 11, 1942.
Paper, Manifold and "mimeograph." Beach & Arthur Paper Company. 398,345; Oct. 20.

CLASS 38

Books, Printed. E. P. Dutton & Company. 158,651–2; renewed Sept. 12, 1942.
Publication. Toledo Scale Company. 165,263; renewed Mar. 6, 1943.

CLASS 39

Boots, shoes, pumps, etc. M. J. Saks Shoe Corp. 398,356; Oct. 20.
Caps and cap covers, Uniform-type. M. Epstein. 398,347; Oct. 20.
Clothing. Derwent Mills Limited. 157,046; renewed July 25, 1942.
Coats and breakfast coats, House. Vanity Fair Silk Mills. 398,248; Oct. 20; Serial No. 445,906; published Nov. 11, 1941.
Coats, fur jackets, fur scarfs, etc., Fur. Zimmerman-Scher, Inc. 398,349; Oct. 20.
Coats, skirts, dresses, etc., Women's, children's, and misses'. M. Bagedonow. 398,336; Oct. 20.
Corsets. George C. Batcheller & Co. 158,607; renewed Sept. 12, 1942.
Corsets. George C. Batcheller & Co. 158,890; renewed Sept. 19, 1942.
Corsets, corselets, girdles, etc. La Resista Corset Company. 398,329; Oct. 20.
Dresses. Chicago Mail Order Company. 398,343; Oct. 20.
Dresses. D. C. Dicks. 398,334; Oct. 20.
Dresses, Women's and misses'. Penny Post, Inc. 398,303; Oct. 20; Serial No. 453,445; published July 28, 1942.
Gloves. Pioneer Rubber Company. 398,335; Oct. 20.
Gloves. H. H. Schmidt Glove Co. 398,352; Oct. 20.
Hair nets. S. Glemby, Inc. 164,063; renewed Feb. 13, 1943.
Hair nets. Morris, Mann & Reilly, Inc. 161,567; renewed Nov. 14, 1942.
Hair nets. Morris, Mann & Reilly, Inc. 162,557; renewed Dec. 19, 1942.
Handkerchiefs. London Handkerchief Co. 398,302; Oct. 20; Serial No. 453,419; published Aug. 4, 1942.
Handkerchiefs. Manhattan Shirt Company. 398,255; Oct. 20; Serial No. 448,830; published Aug. 4, 1942.
Hats. Caradine Hat Company. 388,299; Oct. 20; Serial No. 453,380; published Aug. 4, 1942.
Hats. Failsworth Hats, Limited. 398,342; Oct. 20.
Hats, Women's. Brewster Hat Company. 398,331; Oct. 20.
Hosiery. Burgio Bros., Inc. 398,346; Oct. 20.
Hosiery. Celanese Corporation of America. 398,307; Oct. 20; Serial No. 453,488; published July 28, 1942.
Hosiery. Sterling Hosiery Company. 398,284; Oct 20; Serial No. 453,093; published July 28, 1942.
Housecoats. P. Karp. 398,234; Oct. 29; Serial No. 449,165; published Apr. 8, 1941.
Overall combination suits. J. C. Penney Company. 161,255; renewed Nov. 7, 1942.
Overalls. J. C. Penney Company. 161,257; renewed Nov. 7, 1942.
Overalls and work clothes. J. C. Penney Company. 163,614; renewed Jan. 23, 1943.
Overalls, jumpers, work-pants, etc., Men's and boys'. Lee Manufacturing Company. 398,268; Oct. 22; Serial No. 452,194; published July 28, 1942.
Raincoats, Boys'. Spatz Bros., Inc. 398,250; Oct. 20; Serial No. 446,784; published Mar. 10, 1942.
Shirts and sportswear for men and young men. S. Liebovitz & Sons, Inc. 398,287; Oct. 20; Serial No. 453,160; published July 28, 1942.
Shirts, men's and women's pajamas, shorts, and underwear; and women's wearing apparel, Men's. McMullen-Leavens Company. 398,353; Oct. 20.
Shirts, Work. J. C. Penney Company. 161,256; renewed Nov. 7, 1942.
Shoes. Ettelbrick Shoe Company. 398,235; Oct. 20; Serial No. 441,282; published May 13, 1941.
Shoes, Ladies'. J. Miller & Sons, Inc. 398,312; Oct. 20; Serial No. 453,552; published Aug. 4, 1942.
Shoes, Ladies'. I. Miller & Sons, Inc. 398,313–14; Oct. 20; Serial No. 453,554–5 published Aug. 4, 1942.
Slips, brassières, panties, etc. Melodee-Lane Lingerie, Inc. 398,271; Oct. 20; Serial No. 452,360; published June 23, 1942.
Suits, topcoats, and overcoats, Men's and young men's. H. Daroff & Sons, Inc. 398,282; Oct. 20; Serial No. 452,978; published July 28, 1942.
Suspenders, braces, garters, etc., Men's. Pioneer Suspender Company. 398,245; Oct. 20; Serial No. 444,580; published Aug. 4, 1942.
Turbans, and bibs, Bathing. I. B. Kleinert Rubber Company. 398,277; Oct. 20; Serial No. 452,501; published Aug. 4, 1942.
Wearing apparel. Greenspoon Clothing Co. 398,236; Oct. 20; Serial No. 441,536; published May 13, 1941.
Wearing apparel, Children's. G. C. Murphy Company. 398,344; Oct. 20.

CLASS 40

Dress shields. I. B. Kleinert Rubber Company. 398,237; Oct. 20; Serial No. 441,544; published Aug. 4, 1942.
Hair pins, combs, wigs, etc. B. Guzofsky. 398,273; Oct. 20; Serial No. 452,378; published Aug. 11, 1942.
Shoe laces. Providence Braid Company. 398,292; Oct. 20; Serial No. 453,219; published Aug. 11, 1942.

CLASS 42

Bagging, Jute. Ludlow Manufacturing Associates. 161,216–17; renewed Nov. 7, 1942.
Blankets, couch throws, auto robes, etc. North Star Woolen Mill Company. 398,276; Oct. 20; Serial No 452,482; published Aug. 11, 1942.
Fabrics. R. W. Hamilton. 398,341; Oct. 20.
Fabrics, Embroidered. Oppenheimer Fels Co. 398,350; Oct. 20.
Linens, Fancy. L. S. E. Co. Inc. 158,725; renewed Sept. 12, 1942.
Mohair piece goods. Bradford Dyers' Association Limited. 165,410; renewed Mar. 6, 1943.
Muslin, Cotton. J. C. Penney Company. 161,585; renewed Nov. 14, 1942.
Piece goods. Capitol Piece Dye Works Inc. 398,262; Oct. 20; Serial No. 451,102; published June 30, 1942.

Piece goods. Cheney Brothers. 398,337; Oct. 20.
Piece goods. Le R. S. Rosenbaum. 398,333; Oct. 20.
Piece goods. Sayles Finishing Plants, Inc. 398,280; Oct. 20; Serial No. 452,839; published Aug. 11, 1942.
Piece goods, Duck. Wellington Sears Company. 398,332; Oct. 20.
Rayon and cotton fabric, Woven. Arthur Kahn Co. 398,351; Oct. 20.
Ribbon. Delaware Ribbon Manufacturers Inc. 398,348; Oct. 20.
Silk piece goods. Empire Silk Company. 157,939; renewed Aug. 22, 1942.
Textile fabrics. Friedman Reiss, Inc. 398,275; Oct. 20; Serial No. 452,470; published Aug. 11, 1942.
Webbing, Jute. Ludlow Manufacturing Associates. 159,717; renewed Oct. 3, 1942.
Webbing, Jute. Ludlow Manufacturing Associates. 161,536; renewed Nov. 14, 1942.
Woolen piece goods. Bradford Dyers' Association Limited. 165,120; renewed Mar. 6, 1943.
Woolen piece goods. Bradford Dyers' Association Limited. 165,326–8; renewed Mar. 6, 1943.
Woolen piece goods. Bradford Dyers' Association Limited. 165,408–9; renewed Mar. 6, 1943.
Woolen piece goods. Bradford Dyers' Association Limited. 165,411; renewed Mar. 6, 1943.
Worsted and woolen piece goods. Pacific Mills. 398,279; Oct. 20; Serial No. 452,696; published Aug. 11, 1942.
Worsted suitings. Manchester Worsted Mills Corporation. 398,354; Oct. 20.
Worsted suitings. Methuen International Mills. 398,355; Oct. 20.
Woven, knitted, and other cloths and stuffs of wool, worsted, or hair. Derwent Mills Limited. 157,665; renewed Aug. 15, 1942.

CLASS 43

Thread, Linen. Smith & Dove Mfg. Co. 159,762; renewed Oct. 3, 1942.
Thread, Linen. Smith & Dove Mfg. Co. 160,296; renewed Oct. 17, 1942.
Threads of silk, cotton, rayon, etc. Belding Heminway Company. 398,288; Oct. 20; Serial No. 453,174; published July 28, 1942.
Yarn and thread, Silk. Tubize Chatillon Corporation. 398,308; Oct. 20; Serial No. 453,499; published July 28, 1942.
Yarns. B. Altmann. 398,272; Oct. 20; Serial No. 452,370; published Aug. 4, 1942.
Yarns. Amoskeag-Lawrence Mills, Inc. 398,298; Oct. 20; Serial No. 453,354; published Aug. 4, 1942.
Yarns. Wool Industries Research Association. 398,263; Oct. 20; Serial No. 451,356; published Aug. 11, 1942.

CLASS 44

Surgical and medical goods. Devilbiss Manufacturing Co. 164,521; renewed Feb. 20, 1943.
Surgical stockings, Elastic. William H. Horn and Brother, Incorporated. 398,322; Oct. 20; Serial No. 453,777; published Aug. 11, 1942.
Tubes, ice caps and bags, etc., Rectal and stomach. N. G. Fuentes. 398,267; Oct. 20; Serial No. 452,040; published Aug. 11, 1942.

CLASS 45

Beverages, concentrated syrups and flavors. Cadillac Ginger Ale Co. 398,264; Oct. 20; Serial No. 451,486; published Aug. 11, 1942.

CLASS 46

Bread and rolls. Interstate Bakeries Corporation. 398,232; Oct. 20; Serial No. 431,609; published Aug. 11, 1942.
Candy. Sierra Candy Company. 398,338; Oct. 20.
Canned cooked prunes. California Packing Corporation. 164,057; renewed Feb. 13, 1943.
Canned tomatoes. E. Pritchard, Inc. 398,357; Oct. 20.
Cheese. F. X. Baumert & Co. Inc. 165,272; renewed Mar. 6, 1943.
Corn-syrup. American Hominy Company. 146,161; renewed Sept. 6, 1941.
Flour, Wheat. Larabee Flour Mills Corporation. 162,808; renewed Dec. 26, 1942.
Flour, Wheat. Morrow Milling Company. 165,399; renewed Mar. 6, 1943.
Food mixtures. Cer-Lax Company. 398,295; Oct. 20; Serial No. 453,235; published Aug. 11, 1942.
Foods. Tolerton & Warfield Company. 165,109; renewed Mar. 6, 1942.
Foods. Tolerton & Warfield Company. 165,112; renewed Mar. 6, 1942.
Fruits, Dried. Rosenberg Bros. & Co. 398,340; Oct. 20
Fruits, Fresh citrus. Redlands Orangedale Association. 398,238; Oct. 20; Serial No. 441,788; published Aug. 11, 1942.
Meat products. North Packing & Provision Company. 22,128; re-renewed Dec. 6, 1942.
Milk, cream, butter, etc. New York Condensed Milk Company. 22,536; re-renewed Feb. 28, 1943.
Sandwiches. E. G. Munz. 398,270; Oct. 20; Serial No. 452,272; published Aug. 11, 1942.
Syrup molasses. The Nulomoline Company. 398,251; Oct. 20; Serial No. 447,347; published Aug. 11, 1942.
Vegetables, Fresh. A. Massera. 398,230; Oct. 20; Serial No. 422,176; published Oct. 31, 1939.

CLASS 50

Hog waterers. H. D. Hudson Manufacturing Company. 398,261; Oct. 20; Serial No. 451,082; published Aug. 11, 1942.
Plastic trim. Extruded Plastics, Inc. 398,247; Oct. 20; Serial No. 444,668; published Aug. 11, 1942.
Rubber sheeting. Sears, Roebuck and Co. 398,304; Oct. 20; Serial No. 453,472; published Aug. 11, 1942.
Sets sold as a unit comprising handkerchiefs and perfume. Avon Products, Inc. 398,278; Oct. 20; Serial No. 452,665; published Aug. 11, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Brake Shoe and Foundry Company, The. (See Fraula, William S., assignor.)

American Cutting Alloys, Inc., The. (See Schwarzkopf, Paul, assignor.)

Buffalo Research Associates, Inc., The. (See Witebsky, E., and Klendshoj, assignors.)

Fraula, William S., Suffern, assignor to The American Brake Shoe and Foundry Company, New York, N. Y. Production of expanded metal inserts for brake shoes and similar castings. Re. 22,204; Oct. 20.

Goldsby, Arthur R., Beacon, N. Y., assignor to The Texas Company. Manufacture of high antiknock hydrocarbons. Re. 22,205; Oct. 20.

Klendshoj, Niels C. (See Witebsky, E., and Klendshoj.)

Parsons, John B., Toledo, Ohio. Mechanism for imparting rectilinear reciprocating movement to members such as vehicle windows. Re. 22,206; Oct. 20.

Schwarzkopf, Paul, Yonkers, assignor to The American Cutting Alloys, Inc., New York, N. Y. Production of hard metal alloys, especially for tools. Re. 22,207; Oct. 20.

Texas Company, The. (See Goldsby, Arthur R., assignor.)

Witebsky, Ernest, and N. C. Klendshoj, assignors to The Buffalo Research Associates, Inc., Buffalo, N. Y. Composition capable of inhibiting agglutination or hemolysis in blood. Re. 22,208; Oct. 20.

LIST OF PLANT PATENTEES

Coddington, L. B., Co. (See Coddington, Lyman B., assignor.)

Coddington, Lyman B., assignor to L. B. Coddington Co., Murray Hill, N. J. Rose plant. 552; Oct. 20.

Klug, Fred N. J., Blue Point, N. Y. Carnation plant. 553; Oct. 20.

LIST OF DESIGN PATENTEES

Adler, Joseph, Bronx, assignor to S. M. Musicante, New York, N. Y. Door stop. 134,108; Oct. 20.

Aker, Leonard, Atherton, assignor to Food Machinery Corporation, San Jose, Calif. Fire truck body. 134,126; Oct. 20.

Aker, Leonard, Atherton, assignor to Food Machinery Corporation, San Jose, Calif. Fire truck body. 134,127; Oct. 20.

Anderson, Edmund E., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Radiator grille for an automobile. 134,128; Oct. 20.

Armbruster, John T. (See Gradisar, A. A., Brown, Peck, and Armbruster.)

Bersin, Albert, Brooklyn, and L. Samuels, New York, N. Y. Curtain display rack. 134,109; Oct. 20.

Bersin, Albert, Brooklyn, and L. Samuels, New York, N. Y. Display stand for fabrics or the like. 134,110; Oct. 20.

Bersin, Albert, Brooklyn, and L. Samuels, New York, N. Y. Curtain display rack. 134,111; Oct. 20.

Block, William O., assignor to General Motors Corporation, Detroit, Mich. Radiator grille for a truck. 134,129; Oct. 20.

Breskin, Mortimer M., New York, N. Y. Dress or similar article. 134,149. Oct. 20.

Brown, Morden G. (See Gradisar, A. A., Brown, Peck, and Armbruster.)

Burr, John H., New Richmond, Wis. Sled. 134,130; Oct. 20.

Carroll, Anna L. S., New York, N. Y. Dress. 134,143; Oct. 20.

Carroll, Anna L. S., New York, N. Y. Dress. 134,144; Oct. 20.

Carson, Netye, New York, N. Y. Dress. 134,145; Oct. 20.

Carson, Netye, New York, N. Y. Dress. 134,150; Oct. 20.

Carson, Netye, New York, N. Y. Dress. 134,151; Oct. 20.

Carson, Netye, New York, N. Y. Dress. 134,157; Oct. 20.

Cohn-Hall-Marx Co. (See Lehmann, Helmut, assignor.)

Cohn-Hall-Marx Co. (See Sonntag, Eugene, assignor.)

Demorest, Claude S., Oteen, N. C. Deck of playing cards. 134,118; Oct. 20.

Derham, Philip A., and J. H. Newport, Jr., Rosemont, Pa., assignors to Victor Metal Products Corporation, Brooklyn, N. Y. Inhaler. 134,131; Oct. 20.

Di Sanza, Michael, New York, N. Y. Medal or similar article. 134,119; Oct. 20.

Elder, John W., Middletown, Ohio. Wrapping paper. 134,139; Oct. 20.

Elder, John W., Middletown, Ohio. Wrapping paper. 134,140; Oct. 20.

Flauder, Alfred J., Trumbull, assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Condiment holder. 134,112; Oct. 20.

Flauder, Alfred J., Trumbull, assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Condiment holder. 134,113; Oct. 20.

Florman, Irving, New York, N. Y. Support for a cigarette lighter or the like. 134,120; Oct. 20.

Food Machinery Corporation. (See Aker, Leonard, assignor.)

Franklin, Sylvia, New York, N. Y. Dress. 134,146; Oct. 20.

Franklin, Sylvia, New York, N. Y. Dress. 134,152; Oct. 20.

General Motors Corporation. (See Anderson, Edmund E., assignor.)

General Motors Corporation. (See Block, William O., assignor.)

Goshorn, Warren P., Kansas City, Mo. Display card. 134,114; Oct. 20.

Gradisar, Albin A., Buffalo, M. G. Brown, Williamsville, W. F. Peck, Snyder, and J. T. Armbruster, Niagara Falls, assignors to Spencer Lens Company, Buffalo, N. Y. Hemoglobinometer. 134,132; Oct. 20.

Havens, Jesse K., Dayton, Ohio. Window lock. 134,133; Oct. 20.

Hovey, C. Earl, trustee. (See Sherman, C. G., and Ryan, assignors.)

Katzman, Toby, New York, N. Y. Combination dickey blouse. 134,121; Oct. 20.

Kaufman, Samuel S., San Antonio, Tex. Jacket or similar article. 134,153; Oct. 20.

Kyle, Flora I., Des Moines, Iowa. Clothes basket. 134,134; Oct. 20.

Lawrence, Andrew E., San Mateo, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Linoleum or similar article. 134,147. Oct. 20.

Lehmann, Helmut A., assignor to Cohn-Hall-Marx Co., New York, N. Y. Textile fabric or similar article. 134,148; Oct. 20.

Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Automotive dump wagon. 134,158; Oct. 20.

Litwin, Maxwell B., New York, N. Y. Animated amusement device. 134,115; Oct. 20.

Musicante, Stanley M. (See Adler, Joseph, assignor.)

Newport, Jesse H., Jr. (See Derham, P. A., and Newport, Jr.)

Paraffine Companies, Inc., The. (See Lawrence, Andrew E., assignor.)

Parva Products Company. (See Smith, Clarence M., assignor.)

Peck, William F. (See Gradisar, A. A., Brown, Peck, and Armbruster.)

Rost, Katheryn, New York, N. Y. Dress. 134,154; Oct. 20.

Roth, Isabelle A., New York, N. Y. Applique emblem. 134,122; Oct. 20.

Ryan, William P. (See Sherman, C. G., and Ryan.)

Samuels, Louis. (See Bersin, A., and Samuels.)

Shawl, Alfred B., New York, N. Y. Combined lapel watch and reflector button. 134,135; Oct. 20.

Sherman, Charles G., and W. P. Ryan, assignors to C. E. Hovey, Kansas City, Mo., as trustee. Combined battery charger and tester. 134,136; Oct. 20.

Smith, Clarence M., Naugatuck, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 134,137; Oct. 20.

Smith, Clarence M., Naugatuck, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 134,138; Oct. 20.

Smith, Ellis L., Freeport, Ill. Whisk broom. 134,141; Oct. 20.

Sonntag, Eugene, Jackson Heights, assignor to Cohn-Hall-Marx Co., New York, N. Y. Textile fabric or similar article. 134,159; Oct. 20.

Spencer Lens Company. (See Gradisar, A. A., Brown, Peck, and Armbruster, assignors.)

Steinberg, Valerie, New York, N. Y. Dress. 134,155; Oct. 20.

Susi, Michael A., assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 134,156; Oct. 20.

Swedlin, Jacob, Brooklyn, N. Y. Mask for stuffed toys or similar article. 134,116; Oct. 20.

Swedlin, Jacob, Brooklyn, N. Y. Mask for stuffed toys or similar article. 134,117; Oct. 20.

Swedlin, Jacob, Brooklyn, N. Y. Stuffed toy or similar article. 134,123; Oct. 20.

Swedlin, Jacob, Brooklyn, N. Y. Stuffed toy or similar article. 134,124; Oct. 20.

Swedlin, Jacob, Brooklyn, N. Y. Stuffed toy or similar article. 134,125; Oct. 20.

Truhon, John A., Detroit, Mich. Drafting instrument. 134,142; Oct. 20.

Victor Metal Products Corporation. (See Derham, P. A., and Newport, Jr., assignors.)

Weidlich Bros. Mfg. Co., The. (See Flauder, Alfred J., assignor.)

Yale Fabrics Corp. (See Susi, Michael A., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Machine Company. (See Perry, Winthrop L., assignor.)

Acme Steel Company. (See MacChesney, Chester M., assignor.)

Adams, Pierrepont, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Treatment of cellulosic fabrics. 2,299,200; Oct. 20.

Aero Supply Mfg. Co. (See Downey, George T., assignor.)

Aerovox Corporation. (See Waterman, Herbert, assignor.)

Aetna Ball Bearing Manufacturing Company. (See Schoenrock, Otto R., assignor.)

Alford, Maitland W. (See Hill, F. B., Alford, and Jackson.)

Alien Property Custodian. (See Fritz, Karl.)

Alien Property Custodian. (See Lübbe, H. F. A., and Kruppa.)

Alien Property Custodian. (See Mennerich, W., Siepke, and Schaaf.)

Alien Property Custodian. (See von Manteuffel, Gert Z.)

Alien Property Custodian. (See Willers, Theodor.)

Allan, Benjamin W., assignor to American Zirconium Corporation, Baltimore, Md. Production of titanium pigments. 2,299,120; Oct. 20.

Allen, Frank B. (See Cahusac, C. N., and Allen.)

Allen, George K. (See Colby, Frank J., assignor.)

Allen, Horace C., Marlton, N. J., assignor to Radio Corporation of America. Automatic volume control system. 2,299,292; Oct. 20.

Allen, Paul E., Niles Center, Ill., assignor to Richard G. Krueger, New York, N. Y. Blanket fastener. 2,299,371; Oct. 20.

Allen, Robert C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Diaphragm construction. 2,299,449; Oct. 20.

Allis-Chalmers Manufacturing Company. (See Allen, Robert C., assignor.)

Aluminum Company of America. (See Chandler, E. M., and Castora, assignors.)

Aluminum Company of America. (See Miller, Mike A., assignor.)

American Can Company. (See Hothersall, John M., assignor.)

American Can Company. (See Pechy, William, assignor.)

American Cyanamid Company. (See Adams, Pierrepont, assignor.)

American Cyanamid Company. (See Cook, E. W., and Thomas, Jr., assignors.)

American Cyanamid Company. (See Hill, William H., assignor.)

American Cyanamid Company. (See McClellan, P. P., and Ericks, assignors.)

American District Telegraph Company. (See Muehter, Manfred W., assignor.)

American Flange & Manufacturing Co. (See Sample, Fleck W., assignor.)

American Paper Bottle Company, The. (See Clanon, William A., assignor.)

American Plush & Velvet Pressboard Co., Inc. (See Bass, Rubin, assignor.)

American Steel and Wire Company of New Jersey, The. (See McLimans, John F., assignor.)

American Steel Foundries. (See Cottrell, Robert B., assignor.)

American Voith Contact Co. (See Thaler, Wilhelm, assignor.)

American Zirconium Corporation. (See Allan, Benjamin W., assignor.)

Amsden, Eugene C., assignor of one-half to Howard L. Blackwell, Cambridge, Mass. Making guards for attachment to automobile bumpers. 2,299,121; Oct. 20.

Andel, Frank J. (See Kralicek, C., and Andel.)

Anderson, Alfred, et al. (See Anderson, Chester A. assignor.)

Anderson, Chester A., assignor of one-third to Alfred Anderson, and one-third to Raymond N. Ornberg, Litchfield, Minn. Pressure oilcan. 2,299,450; Oct. 20.

Anderson, Herbert W. (See Elesh, J., Kopsa, and Anderson.)

Anton, Frederick A., Topeka, Kans., assignor of one-half to The Astrup Company, Cleveland, Ohio. Center pivot tension awning arm. 2,299,067; Oct. 20.

Apel, John H. (See Millikin, A. S., and Apel.)

Armstrong Cork Company. (See Berger, John L., assignor.)

Armstrong, John H. (See Berry, Alexander, assignor.)

Associated Electric Laboratories, Inc. (See Giannini, Gabriel M., assignor.)

Associated Electric Laboratories, Inc. (See Stonebridge, George E., Jr., assignor.)

Associated Telephone & Telegraph Company. (See Taylor, Reginald, assignor.)

Astrup Company, The. (See Anton, Frederick A., assignor.)

Audino, Frank F., Corona, Long Island, N. Y. Shoe 2,299,293; Oct. 20.

Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Co., Inc., Cepar Rapids, Iowa. Snow plow. 2,299,451; Oct. 20.

Austin, Merritt B., Jr., Winnetka, Ill. Receptacle and mounting therefor. 2,299,674; Oct. 20.

Austin, Merritt B., Jr., Winnetka, Ill. Cantilever support for outlet boxes or the like. 2,299,675; Oct. 20.

Austin, Merritt B., Jr., Winnetka, Ill. Bar hanger. 2,299,676; Oct. 20.

Automotive Products Company Limited. (See Clench, Edward C. S., assignor.)

Avard, Richard T. (See Williams, Louis R., assignor.)

Averbach, Jacob E., assignor of one-third to Lloyd Gasdick, Detroit, Mich., and one-third to Milton A. Pixley, Columbus, Ohio. Fitting. 2,299,607; Oct. 20.

Baker & Company. (See Sivil, C. S., and Liebig, assignors.)

Baldwin, Everett E., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,299,201; Oct. 20.

Baldwin Locomotive Works, The. (See Essl, Max, assignor.)

Baldwin Locomotive Works, The. (See Peters, Orville S., assignor.)

Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Traverse control. 2,299,123; Oct. 20.

Barbour Welting Company. (See Vizard, William C., assignor.)

Barnes, Edwin, Marshall, Tex. Work holding device. 2,299,294; Oct. 20.

Barrett, Edward R., Detroit, Mich., assignor to Gar Wood Industries, Inc. Cable controlled dump body for semi-trailers. 2,299,372; Oct. 20.

Bartlett, C. O., & Snow Company, The. (See First, Mahlon E., assignor.)

Bascom, Roger C. (See Roberts, D., Bascom, and Cooper.)

Bass, Rubin, Brooklyn, N. Y., assignor to American Plush & Velvet Pressboard Co. Inc., New York, N. Y. Shoe for steam pressing irons. 2,299,202; Oct. 20.

Bassick Company, The. (See Claud-Mantle, Arthur, assignor.)

Batchelder, James W. (See Parks, J. A., Jr., and Batchelder.)

Battelle Memorial Institute. (See Gillette, Horace W., assignor.)

Battin, William I., Indianapolis, Ind. Gas water heater. 2,299,122; Oct. 20.

Battle, Joseph J., New York, N. Y. Hair operator's instrument. 2,299,295; Oct. 20.

Battle, Joseph J., New York, N. Y. Hair operator's instrument. 2,299,296; Oct. 20.

Bauer, Karl. (See Mietzsch, F., and Bauer.)

Beaird, J. B., Corporation, The. (See Crow, Ronald H., assignor.)

Beasley, William F., Columbus, Ohio. Gun. 2,299,073; Oct. 20.

Beauchamp, Wilfred A., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car door lifting mechanism. 2,299,297; Oct. 20.

Beaumont, William M., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,299,203; Oct. 20.

Beckman, James W., Cincinnati, Ohio. Safety razor. 2,299,204; Oct. 20.

Bell, Guy A., Glendale, Calif. Fuel injector for internal combustion engines. 2,299,452; Oct. 20.

Bell, John H. G., White Plains, N. Y. Wall construction. 2,299,205; Oct. 20.

Bell Telephone Laboratories, Incorporated. (See Beaumont, William M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Collis, R. E., Getz, Hersey, and Kopp, assignors.)

Bell Telephone Laboratories, Incorporated. (See Hall, Nathan I., assignor.)

Bell Telephone Laboratories, Incorporated. (See Holden, William H. T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Moore, Hilbert R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Pierce, John R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Pullis, George A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Sivian, Leon J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Towne, Charles C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wilkerson, Jefferson R., assignor.)
Bendix Aviation Corporation. (See Baldwin, Everett E., assignor.)
Bendix Aviation Corporation. (See Elkin, Manuel H., assignor.)
Bendix Aviation Corporation. (See Hellen, James S., assignor.)
Bendix Aviation Corporation. (See MacNeil, C. I., and Zwack, assignors.)
Bendix Aviation Corporation. (See Rand, Henry J., assignor.)
Bendix Aviation Corporation. (See Spengler, Walter J., assignor.)
Bendix Aviation Corporation. (See Trautman, Walter C., assignor.)
Benner, Miles C. (See Lochhead, J. L., and Benner.)
Bereny, Alexander, North Hollywood, assignor to J. H. Armstrong, Los Angeles, Calif. Control valve. 2,299,074; Oct. 20.
Berg, Joseph S., Chicago, Ill. Cable connectors. 2,299,206; Oct. 20.
Berger, John L., Columbia, assignor to Armstrong Cork Company, Lancaster, Pa. Making molded inlaid linoleum. 2,299,066; Oct. 20.
Bergman, Henning G. (See Swedman, E., and Bergman.)
Bergstrom, Carl N., Portland, Oreg. Transmission. 2,299,373; Oct. 20.
Berkey, William E. (See Slepian, J., and Berkey.)
Berman, Harry, Brooklyn, N. Y. Collar. 2,299,453; Oct. 20.
Bevil Corporation. (See Bevillard, Arthur J., assignor.)
Bevillard, Arthur J., assignor to Bevil Corporation, Anaheim, Calif. Making cutting tools. 2,299,207; Oct. 20.
Bickel, Clifford A., assignor to The Monarch Machine Tool Co., Sidney, Ohio. Taper attachment construction. 2,299,677; Oct. 20.
Bickford, Fred A., assignor to Corning Glass Works, Corning, N. Y. Molding nonplastic materials. 2,299,374; Oct. 20.
Bignell, Edward, assignor to J. C. Gilham, Los Angeles, Calif. Dry ore concentrator. 2,299,296; Oct. 20.
Bills, Claud H., Los Angeles, Calif. Grain storage and treating tank. 2,299,290; Oct. 20.
Bingham Stamping Company, The. (Skarecn, Willard C., assignor.)
Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Protective apparatus. 2,299,361; Oct. 20.
Björnson, Hermania, Glen Lake, Minn. Rug or mat and making the same. 2,299,300; Oct. 20.
Blackhawk Mfg. Co. (See Pfauser, Edward M., assignor.)
Blackwell, Howard L. (See Amaden, Eugene C., assignor.)
Blau, Henry H., Elmira, N. Y., and Kenneth K. Knaell, Charlerol, Pa., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Melting tank and apparatus for cooling seams thereof. 2,299,608; Oct. 20.
Blaw-Knox Company. (See Scheib, Elmer J., assignor.)
Bliler, Charles. (See Carlson, T. A., and Bliler.)
Bliss, E. W., Company. (See Groll, Alvin F., assignor.)
Bliss, E. W., Company. (See Krueger, Frank, assignor.)
Bliss, E. W., Company. (See Yeomans, Lucien L., assignor.)
Bloomer Bros. Company. (See Holmes, Raynor M., assignor.)
Bloss, Richard R., Beaumont, Tex., assignor to The International Derrick & Equipment Company of Texas. Water cooled brake. 2,299,208; Oct. 20.
Bluhm, Joseph O., Philadelphia, Pa. Apparatus for engraving reticules. 2,299,075; Oct. 20.
Bommer, Max. (See Hauser, H., and Bommer.)
Borchers, Henry C., assignor of one-half to Martin Loeber, Chicago, Ill. Wrench. 2,299,454; Oct. 20.
Bosworth, Thomas E., Cranston, R. I., assignor to Universal Optical Company, Inc. Ophthalmic mounting. 2,299,708; Oct. 20.
Bowman, Robert A., Folcroft, and J. P. Rathbun, Prospect Park, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat exchanger. 2,299,455; Oct. 20.
Boynton, Arthur J., and C. J. Westling, assignors to H. A. Brassert & Company, Chicago, Ill. Valve. 2,299,124; Oct. 20.
Boynton, Stanley E., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Distributing apparatus. 2,299,678; Oct. 20.
Brackett, Clare L., Detroit, Mich. Self-locking nut. 2,299,209; Oct. 20.
Bradshaw, Robert S., Jr., et al. (See Westcott, Clifford H., assignor.)
Brassert, H. A., & Company. (See Boynton, A. J., and Westling, assignors.)
Brassert, H. A., & Company. (See Dill, Gilbert D., assignor.)
Breeze Corporations. (See Potter, David M., assignor.)
Breeze Corporations. (See Strunk, K. G., and Dayton, assignors.)
Breidenbaugh, Christian P. (See Turner, J. F., and Breidenbaugh.)
Brennan, Edward A. (See Hasselstrom, T., and Brennan.)
Bridgeport Brass Company. (See Krailing, William J., assignor.)
Brinkmann, Harry A. C., Indianapolis, Ind. Plaster cast opening means. 2,299,125; Oct. 20.
Britt, Thomas J., Long Beach, and E. A. Trevino, Los Angeles, Calif. Automatic roll dispenser. 2,299,301; Oct. 20.
Broderick & Bascom Rope Company. (See Dickey, Donald B., assignor.)
Brooks, Linzy W., Rainier, assignor to East Side Tool and Die Works, Portland, Oreg. Shoe heel and toeplate. 2,299,456; Oct. 20.
Brooks, Russell W., Peoria, Ill. Smoker's stand. 2,299,609; Oct. 20.
Brown, Robert C., Jr., Trustee. (See Schilling, Harold K., assignor.)
Brunbe, Walter J., Fall Creek, Wis. Fishing tackle box. 2,299,375; Oct. 20.
Budd, Edward G., Manufacturing Company. (See Harwick, Henry K., assignor.)
Budd, Edward G., Manufacturing Company. (See Ledwinka, J., and Smith, assignors.)
Budd, Edward G., Manufacturing Company. (See Patton, John W., assignor.)
Buerosse, Alfred E., Wauwatosa, assignor of two-thirds to G. J. Buerosse, Beaver Dam, Wis. Brush holder for dynamoelectric machines. 2,299,376; Oct. 20.
Buerosse, Alfred E., Wauwatosa, assignor of two-thirds to G. J. Buerosse, Beaver Dam, Wis. Brush holder for dynamoelectric machines. 2,299,377; Oct. 20.
Buerosse, George J. (See Buerosse, Alfred E., assignor.)
Bullard Company, The. (See Bullard, E. P., III, and Lindmark, assignors.)
Bullard, Edward P., III, Fairfield, and A. C. Lindmark, Bridgeport, Conn., assignors to The Bullard Company. Attachment for machine tools. 2,299,302; Oct. 20.
Burch, Loren P., Aberdeen, Wash. Clamp for boatbuilding. 2,299,303; Oct. 20.
Burch, Lyndon W., Pelham, assignor to The Wilcolator Company, Newark, N. J. Snap acting device and making the same. 2,299,562; Oct. 20.
Butler, Raymond W. (See Precissi, P. S., and Butler.)
Butte Electric Manufacturing Co. (See Nolde, George V., assignor.)
Bynum, Pink T., Beeville, Tex. Side wall sampler. 2,299,076; Oct. 20.
C-O-Two Fire Equipment Company. (See Cahusac, C. N., and Allen, assignors.)
Cahusac, Clarence N., Newark, and F. B. Allen, Verona, assignors to C-O-Two Fire Equipment Company, Newark, N. J. Smoke detecting apparatus. 2,299,457; Oct. 20.
Cain, John D., Denver, Colo. Lawn incision method. 2,299,378; Oct. 20.
Calkins, Claude C., Spokane, Wash. Weeder. 2,299,522; Oct. 20.
Calvert, Kuhn, Chauk, Burma, India. Perforator. 2,299,210; Oct. 20.
Cantley, Joseph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Grinding machine. 2,299,126; Oct. 20.
Carborundum Company, The. (See Blau, H. H., and Knaell, assignors.)
Cargill, Edward K., Macon, Ga. Signal device for serving trays. 2,299,379; Oct. 20.
Carlson, Bert G. (See Heintz, R. M., and Carlson.)
Carlson, Theodore A., Portland, and C. Bliler, Valsetz, Oreg. Reversing gear mechanism. 2,299,563; Oct. 20.
Carnegie-Illinois Steel Corporation. (See McElhaney, James R., assignor.)
Carpenter, Morton H., Benton Township, Lackawanna County, Pa. Closure attachment for hens' nests. 2,299,680; Oct. 20.
Carpmail, Arthur B., Lorain, Ohio. Apparatus for cleaning tubes. 2,299,523; Oct. 20.
Carter, William, Company, The. (See Clark, Elisabeth B., assignor.)
Casner, Burton L., Hoboken, N. J. Electric welding torch. 2,299,679; Oct. 20.
Castillo, Alfonzo C., Albuquerque, N. Mex. Toothbrush. 2,299,564; Oct. 20.
Castora, Peter J. (See Chandler, E. M., and Castora.)
Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Tufting brushes and machine for practicing the method. 2,299,709; Oct. 20.
Cawood, Mary V. (See Cawood, William H., assignor.)
Cawood, William H., assignor to M. V. Cawood, Middlesboro, Ky. Footrest for embalming tables. 2,299,127; Oct. 20.
Celanese Corporation of America. (See Dreyfus, Henry, assignor.)
Celanese Corporation of America. (See Hill, F. B., Alford, and Jackson, assignors.)
Chalmer, Ernest, and H. Taylor, Surbiton, England. Pigrings or the like. 2,299,380; Oct. 20.
Chambers, Cal C., et al. (See Westcott, C. H., assignor.)
Chance, A. B., Company. (See Hubbard, David C., assignor.)

Chandler, Edward M., Alcoa, Tenn., and P. J. Castora, assignors to Aluminum Company of America, Pittsburgh, Pa. Coil handling apparatus. 2,299,458; Oct. 20.
Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Bobbin case for sewing machines. 2,299,524; Oct. 20.
Chatain, Henri G., assignor to Hammermill Paper Company, Erie, Pa. Paper manufacture. 2,299,459; Oct. 20.
Chatain, Henri G., and H. L. Dyer, Jr., assignors to Hammermill Paper Company, Erie, Pa. Paper manufacture. 2,299,460; Oct. 20.
Chenicek, Albert G., Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Chlorination of organic compounds. 2,299,069; Oct. 20.
Chicago Seal Company. (See Karlberg, Arvid E., assignor.)
Childe, Wilfred L., Winnetka, Ill. Athletic garment. 2,299,681; Oct. 20.
Chisholm-Ryder Company. (See de Back, William, assignor.)
Chott, Edward L., Chicago, Ill. Method and means for producing dental fillings. 2,299,265; Oct. 20.
Christensen, Louis H., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Crossbar switching apparatus. 2,299,525; Oct. 20.
Church, Walter L., Houston, Tex. Fluid lift pump. 2,299,304; Oct. 20.
Ciaio, Frank, Corona, Long Island, N. Y. Platform shoe. 2,299,305; Oct. 20.
Clamon, William A., Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio. Container. 2,299,461; Oct. 20.
Clark, Alan F., assignor to Clark Brothers Chewing Gum Co., Pittsburgh, Pa. Display device. 2,299,610; Oct. 20.
Clark Brothers Chewing Gum Co. (See Clark, Alan F., assignor.)
Clark, Earl K., and J. R. Heilman, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Sadiron thermostat adjusting means. 2,299,462; Oct. 20.
Clark, Elizabeth B., New York, N. Y., assignor to The William Carter Company, Needham Heights, Mass. Woman's shoulder-supported garment. 2,299,463; Oct. 20.
Clark, Warren H., Glendale, Calif., assignor to United Aircraft Products, Inc., Dayton, Ohio. Pressure accumulator. 2,299,611; Oct. 20.
Claude-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Turnbuckle. 2,299,526; Oct. 20.
Clayton, Edwin C., and L. L. Heffner, Baltimore, assignors to Wm. E. Hooper & Sons Company, Woodberry, Baltimore, Md. Fire resistant composition and fabric. 2,299,612; Oct. 20.
Clemons, Maurice M. (See Rowlands, A. E., and Clemons.)
Clench, Edward C. S., assignor to Automotive Products Company Limited, London, England. Fluid pressure remote control system. 2,299,211; Oct. 20.
Cleveland Chain & Manufacturing Company, The. (See Smola, Andrew T., assignor.)
Cleveland, Ephraim W., Berea, Ohio, and E. R. Warner, Burbank, Calif., assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorbing strut for airplanes. 2,299,613; Oct. 20.
Cleveland Pneumatic Tool Company. (See Cleveland, E. W., and Warner, assignors.)
Cleveland Welding Company, The. (See Stolpman, George E., assignor.)
Codd, Laurence W., Addlestone, and F. T. Hamblin, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Polymerizable composition. 2,299,128; Oct. 20.
Cody, Clifford S., and R. D. Heitchue, Springfield, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning apparatus. 2,299,527; Oct. 20.
Coffman, Roscoe A., Pittsburgh, Pa. Power generating unit. 2,299,464; Oct. 20.
Coffman, Roscoe A., Pittsburgh, Pa. Power generating unit. 2,299,465; Oct. 20.
Coffman, Roscoe A., Hollywood, Calif. Power generating unit and igniting means therefor. 2,299,466; Oct. 20.
Colburn, Richard R., Kansas City, Mo. Pneumatic feeder. 2,299,565; Oct. 20.
Colby, Frank J., Forest City, assignor of 45% to George K. Allen, Estherville, Iowa. Mouth-supported flashlight. 2,299,467; Oct. 20.
Cole, Edward S., and J. R. Cole, Upper Montclair, N. J., assignors to Pitometer Log Corporation. Draft gauge for ships. 2,299,077; Oct. 20.
Cole, John R. (See Cole, Edward S., and John R.)
Collins, Edgar V., assignor to Iowa State College Research Foundation, Ames, Iowa. Plow for trash covering. 2,299,381; Oct. 20.
Collis, Raymond E., Summit, E. L. Getz, Ridgewood, N. J., R. E. Hersey, Madison, and O. H. Kopp, Baldwin, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,299,212; Oct. 20.
Comer, Robert S. (See Strohm, W. T., and Comer.)
Conant, James S., Holtsville, N. Y. Apparatus and method for taking and projecting pictures. 2,299,682; Oct. 20.
Conmar Products Corporation. (See Wintritz, George, assignor.)
Conner, Ray E., Houston, Tex. Casing mill. 2,299,528; Oct. 20.
Conner, Roger, and D. A. Nevin, assignors to The McBee Company, Athens, Ohio. Card support. 2,299,566; Oct. 20.
Consolidated Gas-Electric Light and Power Company of Baltimore. (See Kemper, William A., assignor.)
Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cynamid Company, New York, N. Y. Substituted aryloxyalkyiol sulphides. 2,299,213; Oct. 20.
Cooper, Lester. (See Roberts D., Bascom, and Cooper.)
Corcoran, Thomas D., et al. (See Mitchell, Bernard C., assignor.)
Cornell Machine Company, The. (See Cornell, Mead, assignor.)
Cornell, Mead, assignor to The Cornell Machine Company, Cleveland, Ohio. Paraffin wax composition and producing same. 2,299,306; Oct. 20.
Cornell, Mead, assignor to The Cornell Machine Company, Cleveland, Ohio. Method of and apparatus for treating materials. 2,299,307; Oct. 20.
Corning Glass Works. (See Bickford, Fred A., assignor.)
Corning Glass Works. (See McGregor, R. R., and Warrick, assignors.)
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Railway truck. 2,299,419; Oct. 20.
Craig, Edward C., United States Navy, and G. W. Leyde, Arlington, Va. Insulating, waterproof and buoyant tent. 2,299,078; Oct. 20.
Cram, Hervey G., Appleton, Wis. Syphon for drier drainage systems. 2,299,530; Oct. 20.
Crampton, David, Bloomfield, assignor to Wallace & Tierman Products, Inc., Belleville, N. J. Apparatus for controlling the condition of material. 2,299,529; Oct. 20.
Crawford, Robert B. P., Miami, Fla. Air conditioning system. 2,299,531; Oct. 20.
Cream City Boiler Company. (See Webb, Arthur B., assignor.)
Creasey, Luther P., Catawissa, Pa. Automobile tent. 2,299,382; Oct. 20.
Creighton, Russell A., Laguna Beach, Calif. Self-locking spike. 2,299,308; Oct. 20.
Cronk, Adelbert D., Woodbury, and D. S. Hart, Bethlehem, assignors to The Patent Button Company, Waterbury, Conn. Film spool. 2,299,532; Oct. 20.
Crow, Ronald H., assignor to The J. B. Beaird Corporation, Shreveport, La. Portable derrick. 2,299,383; Oct. 20.
Crum, Stephen, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switch actuating device. 2,299,309; Oct. 20.
Cummings, Harold T. (See Cummings, John A., assignor.)
Cummings, John A., assignor of one-half to H. T. Cummings, Benedicta, Me. Seed potato cutter. 2,200,567; Oct. 20.
Curtis, Lester, Ness City, Kans. Trouble light. 2,299,683; Oct. 20.
Cyr, Benjamin, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature responsive device. 2,299,533; Oct. 20.
Dafforn, Kenneth B., and R. I. Huffman, Dover, Ohio, assignors to Knapp-Monarch Company, St. Louis, Mo. Swivel connector. 2,299,468; Oct. 20.
Dammeyer, Oscar A., New Bremen, Ohio. Transporting and lifting mechanism. 2,299,310; Oct. 20.
D'Antal, Ladislão, Budapest, Hungary, assignor to Universal Process (Parent) Company Limited, Westminster, London, England. Treatment of bitumina and allied substances. 2,299,469; Oct. 20.
Davis, Channing O., Allentown, assignor to Fuller Company, Catasauqua, Pa. Conveying apparatus. 2,299,470; Oct. 20.
Davis, Walwin L., Avon, Ohio. Relief valve. 2,299,079; Oct. 20.
Davol Rubber Company. (See Dray, William F., assignor.)
Day, Clarence H., Kellogg, Iowa. Lawn mower attachment. 2,299,384; Oct. 20.
Dayton, Ward D. (See Strunk, K. G., and Dayton.)
De Back, William, assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Treating foodstuffs. 2,299,080; Oct. 20.
De Florez, Engineering Co. (See de Florez, Luis, assignor.)
De Florez, Luis, Pomfret, assignor to De Florez Engineering Co., Inc., Hartford, Conn. Removing coke from coke stills. 2,299,718; Oct. 20.
Delay, Roy A., Seminole, Okla. Beam hanger. 2,299,684; Oct. 20.
De Lorme, Alfred C., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Punch and support assemblage. 2,299,534; Oct. 20.
De Stefano, Angelo. (See Hunter, A., and De Stefano.)
Detroit Lubricator Company. (See Eggleston, Lewis W., assignor.)
Deutsch, Maurice, New York, N. Y. Structural unit. 2,299,614; Oct. 20.

Dickenson, John M., Jr., and R. E. Dickenson, Santa Paula, Calif. Power trim. 2,299,129; Oct. 20.
Dickenson, Ralph E. (See Dickenson, John M., Jr., and Ralph E.)
Dickerson, Leary, Nesting, Va. Oyster punching machine. 2,299,311; Oct. 20.
Dickey, Donald E., Kirkwood, assignor to Broderick & Bascom Rope Company, St. Louis, Mo. Sling. 2,299,568; Oct. 20.
Dickey, Joseph B., and J. B. Normington, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning process and composition therefor. 2,299,535; Oct. 20.
Dickie, Alexander M., Ontario, Calif., assignor to General Electric Company. Flatiron. 2,299,569; Oct. 20.
Dickie, Alexander M., Ontario, Calif., assignor to General Electric Company. Flatiron. 2,299,570; Oct. 20.
Dill, Gilbert D., New York, N. Y., assignor to H. A. Brassert & Company, Chicago, Ill. Liquid and gas contact apparatus. 2,299,130; Oct. 20.
Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Transporting truck for floor type kerf-cutting machines. 2,299,214; Oct. 20.
Dolge, C. B. Company, The. (See Weirich, Clarence L., assignor.)
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Harmonic transmission system. 2,299,571; Oct. 20.
Dominion Engineering Works Limited. (See Muir, William P., assignor.)
Donaldson Company. (See Lowther, Wilfred W., assignor.)
Dormoy, Etienne, San Diego, Calif. Collapsible boat. 2,299,131; Oct. 20.
Dover, Samuel M. (See Morehead, James A., assignor.)
Dow Chemical Company, The. (See Hanson, Alden W., assignor.)
Downey, George T., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa. Valve assembly. 2,299,615; Oct. 20.
Draper, Charles S., Newton, Mass. assignor to Research Corporation, New York, N. Y. Vibration measuring apparatus. 2,299,081; Oct. 20.
Dray, William F., Providence, R. I., assignor to Davol Rubber Company. Nozzle construction. 2,299,710; Oct. 20.
Dreisbach, Robert H., assignor to The Magnavox Company, Inc., Fort Wayne, Ind. Picture projector. 2,299,536; Oct. 20.
Dreshfield, Arthur C., assignor to Hercules Powder Company, Wilmington, Del. Stabilized dry rosin size. 2,299,312; Oct. 20.
Drew, Harry A. (See Loewy, R., and Drew.)
Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Manufacture of cellulose. 2,299,132; Oct. 20.
Du Mont, Allen B., and T. T. Goldsmith, Jr., Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Method and system for television communication. 2,299,471; Oct. 20.
Du Mont, Allen B., Laboratories, Inc. (See Du Mont, A. B., and Goldsmith, Jr., assignors.)
Du Mont, Allen B., Laboratories, Inc. (See Steadman, Albert, assignor.)
Dunbar, Irwin. (See Miller, K. I., and Dunbar.)
Du Pont, E. I., de Nemours & Company. (See Middleton, E. B., and Jennings, assignors.)
Durgin, Franklin W., Washington, D. C. Bomb sight. 2,299,313; Oct. 20.
Dyer, Herbert L., Jr. (See Chatain, H. G., and Dyer, Jr.)
East Side Tool and Die Works. (See Brooks, Linzy W., assignor.)
Eastman Kodak Company. (See Dickey, J. B., and Normington, assignors.)
Eastman Kodak Company. (See Swan, Donald R., assignor.)
Edmundson, Zerah F., McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Port protector. 2,299,472; Oct. 20.
Eggerss, Hans A., Van Wert, Ohio. Container. 2,299,616; Oct. 20.
Eggleston, Lewis W., Davison, assignor to Detroit Lubricator Company, Detroit, Mich. Valve. 2,299,473; Oct. 20.
Ehret, Robert J., Collingswood, N. J., assignor to Radio Corporation of America. Ground noise reduction amplifier. 2,299,385; Oct. 20.
Eisenberg, Charles G., Jr., Wauwatosa, Wis. Adapter plug for electric outlets. 2,299,617; Oct. 20.
Electric Storage Battery Company, The. (See Jardine, Ray, assignor.)
Elesh, Joseph, J. F. Kopsa, Chicago, Ill., and H. W. Anderson, Chesterton, Ind., assignors to J. Elesh. Patty making machine. 2,299,314; Oct. 20.
Elkin, Mannel H., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Cranking time limiter for engine starters. 2,299,215; Oct. 20.
Elliott Company. (See Hutchins, C. C., and Logan, assignors.)
Elliott Company. (See McDermet, John R., assignor.)
Elliott, Harold F., Palo Alto, Calif. Electric control apparatus. 2,299,082; Oct. 20.
Elm, Ienar E., Piedmont, Calif. Electrically compensated geographic position indicator. 2,299,083; Oct. 20.
Elmendorf, Harold J., West Boylston, Mass., assignor to United States Steel Corporation of Delaware. Hardenable steel heat treatment. 2,299,685; Oct. 20.
Emmons, William J., Oakland, and B. S. Gallagher, Piedmont, assignors to Salter Machine Company, Oakland, Calif. Salt measuring and dispensing machine. 2,299,717; Oct. 20.
Engel, Albert W., Chicago, Ill. Binding strip affixing device. 2,299,266; Oct. 20.
English Electric Company Limited, The. (See Tilstone, G., and Whitehead, assignors.)
Epes, William R., Forest Hills, assignor to United States Rubber Company, New York, N. Y. Slider for separable fasteners and making same. 2,299,133; Oct. 20.
Eppes, Thomas J., Madison, assignor of one-half to W. Gibson, Lee, Fla. File drawer follower. 2,299,134; Oct. 20.
Ericks, Walter P. (See McClellan, P. P., and Ericks.)
Erickson, Donald R., and P. J. Thoma, assignors to Michigan Research Laboratories, Inc., Kalamazoo, Mich. Printing ink. 2,299,135; Oct. 20.
Ericsson, Eloy, St. Paul, Minn. Piston sealing device. 2,299,216; Oct. 20.
Ernst, Walter, assignor to The Hydraulic Development Corp., Inc., Mount Gilead, Ohio. Hydraulic press. 2,299,686; Oct. 20.
Essl, Max, Norwood, Pa., assignor, by mesne assignments, to The Baldwin Locomotive Works. Locomotive. 2,299,420; Oct. 20.
Essl, Max, Norwood, Pa., assignor to The Baldwin Locomotive Works. Locomotive underframe. 2,299,421; Oct. 20.
Estenes, Michael J., Schenectady, N. Y., assignor to General Electric Company. Dispensing package. 2,299,572; Oct. 20.
Evans, Carroll L., Tipton, Calif. Pump. 2,299,315; Oct. 20.
Evans, Harry L., Newport, R. I., assignor to United States Automatic Box Machinery Co., Inc., Roslindale, Mass. Packaging machinery. 2,299,474; Sept. 20.
Ex-Cell-O Corporation. (See Gjertsen, Paul R., assignor.)
Ex-Cell-O Corporation. (See Hoffer, James F., assignor.)
Ex-Cell-O Corporation. (See Snader, I. J., and Mathys, assignors.)
Faber, Herbert A., Cincinnati, Ohio. Air treating apparatus. 2,299,217; Oct. 20.
Fairhurst, John T., Forest Hills, Long Island, N. Y. Foldable partition. 2,299,573; Oct. 20.
Farmer, Clide C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,299,476; Oct. 20.
Farmer, George C., Chicago, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic transmission control. 2,299,475; Oct. 20.
Farnsworth Television and Radio Corporation. (See Knox, A. L., and Kahl, assignors.)
Farrand, Hiram A., Berlin, N. H. Expanding structure. 2,299,687; Oct. 20.
Farrel-Birmingham Company. (See Schnuck, C. F., and Hooker, assignors.)
Fein, Jacob, Bronx, N. Y. Shoe construction and binding cord therefor. 2,299,316; Oct. 20.
Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Baby crib. 2,299,136; Oct. 20.
Fener, Alfred, Brooklyn, N. Y. Adjustable dipole antenna unit. 2,299,218; Oct. 20.
Ferguson, Henry G. (See Sheldrick, L. S., and Ferguson.)
Ferguson-Sherman Manufacturing Corporation, et al. (See Sheldrick, L. S., and Ferguson, assignors.)
Ferngren, Enoch T., Little Neck, N. Y. Sealing and insulating glass furnaces. 2,299,084; Oct. 20.
Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,299,688; Oct. 20.
Fiene, Marcus E., Caldwell, N. J., assignor to General Electric Company. Heating system. 2,299,574; Oct. 20.
Fink, George, Yonkers, N. Y. Closure for roof hatches. 2,299,317; Oct. 20.
Finston, Victor, assignor to The Meaker Company, Chicago, Ill. Automatic conveying and elevating machine. 2,299,618; Oct. 20.
First, Mahlon E., assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Skip loading mechanism. 2,299,386; Oct. 20.
Fisher, Samuel L., Brooklyn, N. Y. Tool holder for surgical instruments. 2,299,267; Oct. 20.
Fisher, Samuel L., Brooklyn, N. Y. Driving connection for surgical instruments. 2,299,268; Oct. 20.
Fleisch, Charles J., Pittsburgh, Pa. Tuyère. 2,299,575; Oct. 20.
Flomenhaft, Nathan F., et al. (See Zolkind, Abram, assignor.)
Flynn & Emrich Company. (See Turner, J. F., and Breidenbaugh, assignors.)
Foley, Leonard B., Alamosa, Colo. Tube for pneumatic tire. 2,299,219; Oct. 20.
Ford Motor Company. (See Johnson, F., and Roeder, assignors.)
Ford Motor Company, et al. (See Sheldrick, L. S., and Ferguson, assignors.)
Formhals, William H. (See King, G. E., and Formhals.)
Forsberg, George W., Albany, Calif. Form for paving blocks. 2,299,318; Oct. 20.

Fred Goat Co., The. (See Mansbendel, Fritz P., assignor.)
Freeman, Raymond A. (See Giffen, J. L., and Freeman.)
Frey, Frederick E., R. D. Snow, and W. A. Schulze, assignors to Phillips Petroleum Company, Bartlesville, Okla. Catalytic production of olefine-sulphur dioxide compounds of high molecular weight. 2,299,220; Oct. 20.
Frey, Frederick E., R. D. Snow, and W. A. Schulze, assignors to Phillips Petroleum Company, Bartlesville, Okla. Catalytic production of olefine-sulphur dioxide compounds of high molecular weight. 2,299,221; Oct. 20.
Frey, Frederick E., R. D. Snow, and W. A. Schulze, assignors to Phillips Petroleum Company, Bartlesville, Okla. Catalytic production of olefine-sulphur dioxide compounds of high molecular weight. 2,299,222; Oct. 20.
Frey, Frederick E., R. D. Snow, and W. A. Schulze, assignors to Phillips Petroleum Company, Bartlesville, Okla. Catalytic production of olefine-sulphur dioxide compounds of high molecular weight. 2,299,223; Oct. 20.
Frimel, Hobart F., West Los Angeles, Calif., assignor to Interstate Aircraft and Engineering Corp. Hydraulic valve. 2,299,719; Oct. 20.
Fritz, Karl, Berlin, Germany; vested in the Alien Property Custodian. Ultra short wave signaling. 2,299,619; Oct. 20.
Fruth, Hal F., Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacture of electrical conductors. 2,299,689; Oct. 20.
Fuller Brush Company, The. (See Cave, Henry, assignor.)
Fuller Company. (See Davis, Channing O., assignor.)
G and A Laboratories, Inc. (See Hasselstrom, T., and Brennan, assignors.)
Gade, Harald F., Philadelphia, assignor to Pennsylvania Manufacturing Company, Jenkintown, Pa. Self-locking nut. 2,299,085; Oct. 20.
Gale, Emanuel, New York, N. Y. Pad holder. 2,299,319; Oct. 20.
Gallagher, Bernard S. (See Emmons, W. J., and Gallagher.)
Gammeter, John R., Akron, Ohio. Method and apparatus for making dipped rubber articles. 2,299,269; Oct. 20.
Gammeter, John R., Akron, Ohio. Device for testing thin rubber articles. 2,299,270; Oct. 20.
Garand, John C., Springfield, Mass. Discharger for pyrotechnic cartridges. 2,299,086; Oct. 20.
Gasdick, Lloyd, et al. (See Averbach, Jacob E., assignor.)
General American Precooling Corporation. (See Reilly, Frank J., assignor.)
General Aniline & Film Corporation. (See Kränzlein, Paul, assignor.)
General Controls Co. (See Paille, Eugene, assignor.)
General Electric Company. (See Bivens, Maurice E., assignor.)
General Electric Company. (See Dickie, Alexander M., assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Estenes, Michael J., assignor.)
General Electric Company. (See Fiene, Marcus E., assignor.)
General Electric Company. (See Letteron, Henry A., assignor.)
General Electric Company. (See McMahan, Kenton D., assignor.)
General Electric Company. (See Schneider, Elbert D., assignor.)
General Electric Company Limited. (See Rycroft, John L., assignor.)
General Machinery Corporation. (See Wood, Augustus, assignor.)
General Motors Corporation. (See Ferris, Donald K., assignor.)
General Motors Corporation. (See MacPherson, Earle S., assignor.)
General Motors Corporation. (See Marvin, John T., assignor.)
General Motors Corporation. (See Procissi, P. S., and Butler, assignors.)
General Motors Corporation. (See Rataiczak, Francis I., assignor.)
General Motors Corporation. (See Reeves, Donald H., assignor.)
General Motors Corporation. (See Rowlands, A. E., and Clemons, assignors.)
General Motors Corporation. (See Tormyn, Herman, assignor.)
General Motors Corporation. (See Werner, Calvin J., assignor.)
General Motors Corporation. (See White, Joe, assignor.)
General Steel Castings Corporation. (See Hallquist, Einar G., assignor.)
General Steel Castings Corporation. (See Travilla, James C., Jr., assignor.)
Geren, Robert P., and E. R. Vick, assignors to Old Mission Packing Corporation, Ltd., San Diego, Calif. Pimento coring and cleaning machine. 2,299,137; Oct. 20.
Getz, Emil L. (See Collis, R. E., Getz, Hersey and Kopp.)
Giannini, Gabriel M., Great Neck, N. Y., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Acoustic apparatus. 2,299,620; Oct. 20.
Gibson, Woodrow. (See Eppes, Thomas J., assignor.)
Gier, John R., Jr., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat treating of steel. 2,299,138; Oct. 20.
Giese, August F., Jr., Gary, Ind. Method of and apparatus for transferring sheet material. 2,299,690; Oct. 20.
Giffen, James L., and R. A. Freeman, assignors to V & O Press Company, Inc., Hudson, N. Y. Clutch operating mechanism. 2,299,621; Oct. 20.
Gilbert, Benjamin D. (See Morris, Iva U., assignor.)
Gillett, Horace W., assignor to Battelle Memorial Institute, Columbus, Ohio. Lead alloy. 2,299,711; Oct. 20.
Gillett, Horace W., assignor to Battelle Memorial Institute, Columbus, Ohio. Lead alloy. 2,299,712; Oct. 20.
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Gillette Safety Razor Company. (See Testi, Nicholas, assignor.)
Gillham, John C. (See Bignell, Edward, assignor.)
Gjertsen, Paul R., assignor to Ex-Cell-O Corporation, Detroit, Mich. Tool. 2,299,224; Oct. 20.
Gjertsen, Paul R., assignor to Ex-Cell-O Corporation, Detroit, Mich. Tool. 2,299,225; Oct. 20.
Gjertsen, Paul R., assignor to Ex-Cell-O Corporation, Detroit, Mich. Tool. 2,299,226; Oct. 20.
Gledhill, Edward C., Galion, Ohio. Road roller. 2,299,691; Oct. 20.
Glidden Company, The. (See Mowlds, Kenneth S., assignor.)
Globe-Union Inc. (See Rubinstein, H. W., and Zimmerman, assignors.)
Godsey, Frank W., Jr., assignor to Sprague Specialties Co., North Adams, Mass. Electrical condenser. 2,299,271; Oct. 20.
Goehring, Edward E., Longview, Tex. Pumping apparatus. 2,299,692; Oct. 20.
Goetz, Carlos C., New York, N. Y. Combination landing gear and aircraft gun recoil mechanism. 2,299,227; Oct. 20.
Goetz, Henry E., Brooklyn, N. Y. Device for aligning automobile wheels. 2,299,087; Oct. 20.
Goldsmith, Thomas T., Jr. (See Du Mont, A. B., and Goldsmith, Jr.)
Goldsmith, William M., and W. H. Kappes, Cincinnati, Ohio; said Kappes assignor to said Goldsmith. Angle bending machine. 2,299,537; Oct. 20.
Goldstein, Jacob, Mishawaka, Ind. Chair with combined rocking and tilting action. 2,299,538; Oct. 20.
Goodman Manufacturing Company. (See Doberstein, Edward J., assignor.)
Goodrich, B. F., Company, The. (See Simms, R. G., and Harriman, assignors.)
Gora, Henry Z., Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y. Tire valve. 2,299,068; Oct. 20.
Gorton-Pew Fisheries Company. (See Kennedy, Leo J., assignor.)
Grafton, Corydon M., Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y. Lubricant. 2,299,139; Oct. 20.
Gray, Daniel M. (See Stoner, F. R., Jr., and Gray.)
Gray, Donald E., Teaneck, N. J., and J. O. Ollier, New York, N. Y., assignors to Radio Patents Corporation. Electric condenser. 2,299,228; Oct. 20.
Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Coating for paper. 2,299,693; Oct. 20.
Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Manifolding material. 2,299,694; Oct. 20.
Greene, Whitney E., Studio City, Calif. Cylinder cap locking and sealing means. 2,299,695; Oct. 20.
Gregersen, Alfred L., Waterloo, Iowa. Outlet box. 2,299,696; Oct. 20.
Griffith, Enoch L., assignor to The Griffith Laboratories, Inc., Chicago, Ill. Apparatus for electric conductance cooking. 2,299,088; Oct. 20.
Griffith Laboratories, Inc., The. (See Griffith, Enoch L., assignor.)
Groll, Alvin F., Toledo, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y. Friction drive mechanism. 2,299,387; Oct. 20.
Gronberg, A. Bondy. (See Haan, Bennie, assignor.)
Gruber, William F., French Lick, Ind. Locking band. 2,299,697; Oct. 20.
Guardian Merchandising Corporation. (See Monnet, Georges, assignor.)
Haan, Bennie, assignor of one-half to A. B. Gronberg, Grand Rapids, Mich. Ice remover for windshields. 2,299,089; Oct. 20.
Hale, Alan, et al. (See Mitchell, Bernard C., assignor.)
Hall, Nathan I., Morristown, N. J., assignorto Bell Telephone Laboratories, Incorporated, New York, N. Y. Selecting system. 2,299,229; Oct. 20.
Halliden, Frederick G., Bellerose, assignor to Postal Telegraph-Cable Company (New York), New York, N. Y. Circuits for grid controlled gas filled electron tubes. 2,299,272; Oct. 20.

Hallenscheid, Gustave A., Los Angeles, Calif. Concealed fixture support. 2,299,320; Oct. 20.

Halliquist, Elnar G., Wallingford, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway vehicle structure. 2,299,576; Oct. 20.

Halperin, Boris, and D. Jedwabnik, New York, N. Y.; said Halperin assignor to said Jedwabnik. Calendar for pencil cases. 2,299,608; Oct. 20.

Hamblin, Frederick T. (See Codd, L. W., and Hamblin.)

Hammermill Paper Company. (See Chatain, Henri G., assignor.)

Hammermill Paper Company. (See Chatain, H. G., and Dyer, Jr., assignors.)

Hampton, John E., Vallejo, assignor to Yuba Manufacturing Company, San Francisco, Calif. Engine temperature regulator. 2,299,321; Oct. 20.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Radio communication system. 2,299,388; Oct. 20.

Hanson, Alden W., assignor to The Dow Chemical Company, Midland, Mich. Positively locking fastener. 2,299,230; Oct. 20.

Hanson, Ernest R., Bloomfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, New York, N. Y. Wire harness. 2,299,140; Oct. 20.

Hardinge, Henry H., Chicago, Ill. Tool post for lathes. 2,299,622; Oct. 20.

Harper, Carolyn L., et al. (See Harper, Philip S., assignor.)

Harper, Lyndus E., Kansas City, Mo. Dust removing means for feeders. 2,299,623; Oct. 20.

Harper, Philip S., assignor of one-fourth to P. S. Harper and one-fourth to C. L. Harper, Chicago, Ill., and one-fourth to Harris Trust and Savings Bank, as trustee of the Philip S. Harper trust, and one-fourth to said Harris Trust and Savings Bank, as trustee of the Carolyn L. Harper trust. Gas valve. 2,299,624; Oct. 20.

Harper-Wyman Company. (See Turner, G. F., Peterson and Ross, assignors.)

Harriman, Paul J. (See Simms, R. G., and Harriman.)

Harris Trust and Savings Bank, et al., Trustee. (See Harper, Philip S., assignor.)

Hart, David S. (See Cronk, A. D., and Hart.)

Hart, Earl, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for handling articles. 2,299,539; Oct. 20.

Harter, Mabel B., Rochester, Ind. Ironing apparatus. 2,299,322; Oct. 20.

Hartline, Ralph R., Swissvale, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Valve. 2,299,540; Oct. 20.

Harwick, Henry K., Darby, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Coupler support. 2,299,541; Oct. 20.

Hasselstrom, Torsten, and E. A. Brennan, assignors to G and A Laboratories, Inc., Savannah, Ga. Treating resins. 2,299,577; Oct. 20.

Hauser, Hermann, Binningen, and M. Boemmer, Riehen, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Nitrogenous anthraquinone derivative. 2,299,141; Oct. 20.

Hauser, Hermann, Binningen, and M. Boemmer, Riehen, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Vat dyestuffs and preparing same. 2,299,142; Oct. 20.

Hazard, Charles W., Iosia, Mich. Toilet bowl. 2,299,273; Oct. 20.

Hearne, George W., Berkeley, and D. S. LaFrance, Walnut Creek, assignors to Shell Development Company, San Francisco, Calif. Halogenation of diolefins having conjugated double bonds. 2,299,477; Oct. 20.

Hedfield, Reynold T., assignor to Jas. P. Marsh Corporation, Chicago, Ill. Pressure gauge. 2,299,542; Oct. 20.

Heffner, Lawrence L. (See Clayton, E. C., and Heffner.)

Hellman, Joseph R. (See Clark, E. K., and Hellman.)

Heintz, Ralph M., Cleveland, and B. G. Carlson, Erieside, assignors to Jack & Heintz, Inc., Cleveland, Ohio. Compensator arrangement for bearing and journal assemblies in automatic gyro control pilots. 2,299,231; Oct. 20.

Heitchue, Regis D. (See Cody, C. S., and Heitchue.)

Hellen, James S., Waldwick, assignor to Bendix Aviation Corporation, Bendix, N. J. Rotary pin-cutting tool. 2,299,578; Oct. 20.

Hellman, Henry F., Cleveland, Ohio. Internal combustion engine of the two-cycle type. 2,299,389; Oct. 20.

Helwig, Harold, Los Gatos, Calif. Pipe connection. 2,299,143; Oct. 20.

Henderson, John W., Madison, Pa. Protector for breeches. 2,299,324; Oct. 20.

Hercules Powder Company. (See Dreshfield, Arthur C., assignor.)

Heritage, Clark C., and H. E. Walter, assignors to Wood Conversion Company, Cloquet, Minn. Fusible coating composition. 2,299,144; Oct. 20.

Hersey, Ralph E. (See Collis, R. E., Getz, Hersey, and Kopp.)

Hetky, William, Cleveland, Ohio. Combination building jack. 2,299,323; Oct. 20.

Heyser, Stella T., Arlington, Va. Napkin bib. 2,299,232; Oct. 20.

Hill, Frank B., M. W. Alford, and T. Jackson, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile materials. 2,299,145; Oct. 20.

Hill, William H., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of aminotriazines. 2,299,274; Oct. 20.

Hoffer, James F., assignor to Ex-Cell-O Corporation, Detroit, Mich. Pump. 2,299,233; Oct. 20.

Hoge, Frederick H., Oak Park, and J. A. Marland, La Grange, assignors to W. A. Jones Foundry & Machine Company, Chicago, Ill. Winding drum and the like. 2,299,478; Oct. 20.

Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,299,479; Oct. 20.

Hollenbeck, Ernest L., and J. W. Lucas, Jr., East Orange, N. J. Fluid control applicator. 2,299,236; Oct. 20.

Holman, George E., Melrose, Mass., assignor to Sylvania Electric Products Inc. Luminescent coating for electric lamps. 2,299,720; Oct. 20.

Holmes, Ralph S., Haddonfield, and C. C. Martinelli, Oaklyn, N. J., assignors to Radio Corporation of America. Noise suppressor. 2,299,390; Oct. 20.

Holmes, Ralph S., Haddonfield, N. J., assignor to Radio Corporation of America. Radio receiver. 2,299,391; Oct. 20.

Holmes, Raynor M., assignor to Bloomer Bros. Company. Newark, N. Y. Bottle carrier. 2,299,625; Oct. 20.

Hooker, Oliver W. (See Schnuck, C. F., and Hooker.)

Hooper, Wm. E., & Sons Company. (See Clayton, E. C., and Heffner, assignors.)

Horsley, Robert L., Memphis, Tenn. Mophead. 2,299,480; Oct. 20.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container and producing the same. 2,299,090; Oct. 20.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,299,091; Oct. 20.

House of Originals, Inc. (See Wheeler, Pearl L., assignor.)

Howarth, Harry A. S., Philadelphia, Pa. Thrust bearing. 2,299,237; Oct. 20.

Hubbard, David C., Centralia, assignor to A. B. Chance Company, Centralia, Mo. Guy rod grounding clamp. 2,299,146; Oct. 20.

Huffman, Russell I. (See Dafforn, K. B., and Huffman.)

Hulsmann, Johannes D., Paterson, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Apparatus. 2,299,238; Oct. 20.

Hultkrans, Paul B., assignor to Milprint, Inc., Milwaukee, Wis. Packing. 2,299,699; Oct. 20.

Humphrey, Stanley M., assignor to Taylor-Winfield Corporation, Warren, Ohio. Apparatus for correlating welding pressures and currents. 2,299,543; Oct. 20.

Humphrey, Walter E., Jeannette, Pa. Process and apparatus for covering balls. 2,299,544; Oct. 20.

Hunt, William V., Vancouver, British Columbia, Canada. Paper roll and mounting therefor. 2,299,626; Oct. 20.

Hunter, Anna, New ork, N. ., and A. De Stefano, Bogota, N. J., assignors to Taylor-Freeman-Stanley, Incorporated, New York, N. Y. Manicure implement. 2,299,627; Oct. 20.

Hutchins, Charles C., Ridgway, Pa., and F. G. Logan, Mount Vernon, N. Y., assignors to Elliott Company, Pittsburgh, Pa. Dynamoelectric control system. 2,299,325; Oct. 20.

Hydraulic Development Corp., The. (See Ernst, Walter, assignor.)

Ideal Wrapping Machine Company. (See Sergent, Walter H., assignor.)

Imperial Chemical Industries Limited. (See Codd, L. W., and Hamblin, assignors.)

Industrial Rayon Corporation. (See Jordan, L. J., and Walters, assignors.)

Interchemical Corporation. (See Parks, J. A., Jr., and Batcheider, assignors.)

International Derrick & Equipment Company of Texas. (See Bloss, Richard R., assignor.)

International Paper Box Machine Company. (See Labombarde, Harold S., assignor.)

Interstate Aircraft and Engineering Corp. (See Frimel, Hobart F., assignor.)

Iowa State College Research Foundation. (See Collins, Edgar V., assignor.)

Jack & Heintz, Inc. (See Heintz, R. M., and Carlson, assignors.)

Jackson, Thomas. (See Hill, F. B., Alford, and Jackson.)

Jaeger Machine Company, The. (See Millikin, A. S., and Apel, assignors.)

Jaeger Machine Company, The. (See Mosel, Joseph H., assignor.)

Janousek, Charlie J., Kenyon, Minn. Key puller. 2,299,147; Oct. 20.

Jardine, Ray, Glenside, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Automatic filling device for electrolytic cells. 2,299,545; Oct. 20.

Jedwabnik, David. (See Halperin, B., and Jedwabnik.)

Jefferson Electric Company. (See Rickmeyer, Ernst W., assignor.)

Jenkins Bros. (See Gora, Henry A., assignor.)

Jennings, Andrew B. (See Middleton, E. B., and Jennings.)

Jerome, Arthur L., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Switch indication circuits. 2,299,275; Oct. 20.

Johansson, Sven G., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Neutralizing system. 2,299,481; Oct. 20.

Johns-Manville Corporation. (See Perry, W. M., and Pond, assignors.)

Johnson, Frank, Detroit, and D. Roeder, Wayne, assignors to Ford Motor Company, Dearborn, Mich. Spring shackle construction. 2,299,392; Oct. 20.

Johnson, Henry W., Bloomfield, N. J., and S. B. Smith, White Plains, N. Y., assignors to Radio Corporation of America. Television receiver cabinet. 2,299,393; Oct. 20.

Johnson, Lawrence L., Chicago, Ill. Flashlight. 2,299,148; Oct. 20.

Johnson, Lyman H. and P. S., Los Angeles, Calif. Mounting stencil screen and impressing a stencil therein. 2,299,628; Oct. 20.

Johnson, Paul S. (See Johnson, Lyman H., and P. S.)

Johnson, Sidney P., Birmingham, Ala. Destroying aircraft. 2,299,327; Oct. 20.

Johnson, Theodore R., Menasha, Wis. Vegetable dicer. 2,299,092; Oct. 20.

Jolly, William C., Indianapolis, Ind. Coke stoker feed. 2,299,394; Oct. 20.

Jones, W. A., Foundry & Machine Company. (See Hoge, P. H., and Marland, assignors.)

Jordan, George C., Milwaukee, Wis. Hose jack. 2,299,629; Oct. 20.

Jordan, Lavern J., Fairview Village, and C. C. Walters, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for drying thread or the like. 2,299,230; Oct. 20.

Kahl, Fritz. (See Knox, A. L., and Kahl.)

Kairis, Albert J., et al. (See Zam, Nicholas J., assignor.)

Kappes, William H. (See Goldsmith, W. M., and Kappes.)

Kaptuller, Alexander F., Chicago, Ill. Spring washer means for food choppers. 2,299,093; Oct. 20.

Karlberg, Arvid E., assignor to Chicago Seal Company, Chicago, Ill. Shaft seal. 2,299,395; Oct. 20.

Keen, Thomas A., San Mateo, and J. Kilburg, Redwood City, Calif., assignors of one-half to T. A. Keen, and one-half to H. M. Smith, Chicago, Ill. Ticket printing and issuing machine. 2,299,396; Oct. 20.

Kell, Ray D., Haddonfield, N. J., assignor to Radio Corporation of America. Television apparatus. 2,299,328; Oct. 20.

Kelley, Elmer E., Hartford, Conn. Machine tool. 2,299,630; Oct. 20.

Kemper, William A., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Removing organic sulphur from gases or vapors. 2,299,149; Oct. 20.

Kennedy, Benjamin H., Pittsford, N. Y. Dressing table for infants' bathing devices. 2,299,579; Oct. 20.

Kennedy, Leo J., assignor to Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Transportation apparatus. 2,299,150; Oct. 20.

Kestler, Ralph, Corona, Long Island, N. Y. Dental drill. 2,299,151; Oct. 20.

Kiehn, Arthur W., Elizabeth, N. J. Buttering machine. 2,299,326; Oct. 20.

Kilburg, James. (See Keen, Thomas A., assignor.)

King, George E., Wilkinsburg, and W. H. Formhals, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Variable voltage control scheme. 2,299,152; Oct. 20.

Kirlin, Ivan, Detroit, Mich. Disk louver. 2,299,276; Oct. 20.

Klein, Clarence J., Marland Heights, W. Va., assignor to National Steel Corporation. Roll changing device. 2,299,631; Oct. 20.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical apparatus. 2,299,004; Oct. 20.

Knaell, Kenneth K. (See Blau, Henry H., and Knaell.)

Knapp-Monarch Company. (See Dafforn, K. B., and Huffman, assignors.)

Knapp-Monarch Company. (See Knopp, Rudolph, assignor.)

Knopp, Rudolph, assignor to Knapp-Monarch Company, St. Louis, Mo. Electric shaver. 2,299,482; Oct. 20.

Knox, Alexander D., New York, N. Y. Locking type blind, shutter, and the like. 2,299,095; Oct. 20.

Knox, Arthur L., and F. Kahl, Fort Wayne, Ind., assignors to Farnsworth Television and Radio Corporation. Automatic record changing apparatus. 2,299,633; Oct. 20.

Kochorosky, Edward, Two Rivers, Wis. Work holding attachment for vises. 2,299,632; Oct. 20.

Kopp, Ottmar H. (See Collis, R. E., Getz, Hersey, and Kopp.)

Koppers Company. (See Schmalenbach, Adolf, assignor.)

Kopsa, Julius F. (See Elesh, J., Kopsa, and Anderson.)

Koren, Heiman W. (See Mundel, A. B., and Koren.)

Korman, Nathaniel L., Haddon Heights, N. J., assignor to Radio Corporation of America. Frequency discriminator. 2,299,581; Oct. 20.

Krafling, William J., assignor to Bridgeport Brass Company, Bridgeport, Conn. Annealing furnace construction. 2,299,546; Oct. 20.

Kralicek, Charles, and F. J. Andel, Cleveland, Ohio. Holding device. 2,299,397; Oct. 20.

Kränzlein, Paul, Leverkusen-I. G.-Werk, Germany, assignor to General Aniline & Film Corporation. Making an amino phenyl anthraquinone. 2,299,240; Oct. 20.

Kreuzer, Barton, Los Angeles, Calif., assignor to Radio Corporation of America. Noiseless sound reproducing system. 2,299,398; Oct. 20.

Krieger, Joseph L., Baltimore, Md. Coating. 2,299,096; Oct. 20.

Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Combination switch. 2,299,580; Oct. 20.

Krueger, Frank, Milbrae, Calif., assignor to E. W. Bliss Company, Brooklyn, N. Y. Can making machine. 2,299,097; Oct. 20.

Krueger, Richard G. (See Allen, Paul E., assignor.)

Kruppa, Erich. (See Lübbe, H. F. A., and Kruppa.)

Kumm, Arthur W., Los Angeles, Calif. Independent wheel suspension. 2,299,241; Oct. 20.

Labombarde, Harold S., assignor to The International Paper Box Machine Company, Nashua, N. H. Method of and apparatus for making collapsible boxes. 2,299,098; Oct. 20.

La Ducer, Arthur O., West Hartford, Conn., assignor to The Wiremold Company. Supporting clamp for mounting fittings in conduits. 2,299,153; Oct. 20.

LaFrance, Donald S. (See Hearne, G. W., and LaFrance.)

Lair, Paul H., Newton, Mass. Refractory assembly for heating plants. 2,299,154; Oct. 20.

Lambert, Claude L., Fairbury, Nebr. Garment spotting appliance. 2,299,634; Oct. 20.

Landis, George G., assignor to The Lincoln Electric Company, Cleveland, Ohio. Welding transformer. 2,299,329; Oct. 20.

Landis Tool Company. (See Balsiger, Harold E., assignor.)

Lane, Paul S., assignor to Muskegon Piston Ring Company, Muskegon, Mich. Piston ring. 2,299,399; Oct. 20.

Lange, Frederick E., Lincoln, Nebr., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety valve. 2,299,155; Oct. 20.

La Plant-Choate Manufacturing Co. (See Austin, Ellsworth W., assignor.)

Leclanché S. A. (See Rossetti, Carlo, assignor.)

Ledwinka, Joseph, and J. F. D. Smith, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Quill drive. 2,299,099; Oct. 20.

Letteron, Henry A., Schenectady, N. Y., assignor to General Electric Company. Varnished sheet material. 2,299,547; Oct. 20.

Levowitz, David. (See van der Meulen, P. A., and Levowitz.)

Leyde, Glen W. (See Craig, E. C., and Leyde.)

Liatex Corporation. (See Snyder, Chester, assignor.)

Liebig, Edward O. (See Sivil, C. S., and Liebig.)

Lincoln Electric Company, The. (See Landis, George G., assignor.)

Lind, Franklin C. A., Randolph, assignor of one-third to H. R. E. Lind, Minneapolis, and one-third to J. M. Lind, Red Wing, Minn. Fishing reel. 2,299,156; Oct. 20.

Lind, Harry R. E., et al. (See Lind, Franklin C. A., assignor.)

Lind, John M., et al. (See Lind, Franklin C. A., assignor.)

Lindmark, Andrew C. (See Bullard, E. P., III, and Lindmark.)

Lochhead, John L., and M. C. Benner, Springfield, Mass. Discharger for pyrotechnic cartridges. 2,299,100; Oct. 20.

Loeber, Martin. (See Borchers, Henry C., assignor.)

Loewy, Raymond, New York, N. Y., and H. A. Drew, Cliffside Park, N. J. Vending machine. 2,299,583; Oct. 20.

Logan, Frank G. (See Hutchins, C. C., and Logan.)

Lohse, Fred, Cupertino, Calif. Flight control system for miniature aircraft. 2,299,582; Oct. 20.

Low, Otto M., United States Army, Baltimore, Md. Folding ladder. 2,299,584; Oct. 20.

Lowther, Wilfred W., Minneapolis, assignor to Donaldson Company, Inc., St. Paul, Minn. Apparatus for silencing air intakes of internal combustion engines. 2,299,157; Oct. 20.

Lübbe, Heinrich F. A., and E. Kruppa, Berlin, Germany; vested in the Alien Property Custodian. Building up chromium and chromium alloys and for preparing electrodes therefor. 2,299,483; Oct. 20.

Lucas, Joseph W., Jr. (See Hollenbeck, E. L., and Lucas, Jr.)

Luce, Richard W., Southport, Conn. Gang channel fastener. 2,299,158; Oct. 20.

Luck, David G. C., Haddon Heights, N. J., assignor to Radio Corporation of America. Directional antenna. 2,299,585; Oct. 20.

Lui, Henry S. K., Modesto, Calif. Stamp roller. 2,299,242; Oct. 20.

Lyle, John. (See Penman, M. B., and Lyle.)

Lyon, Harry, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Finishing tool. 2,299,159; Oct. 20.

MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Winding reel. 2,299,101; Oct. 20.

Macnabb, Vernon C., Indianapolis, Ind. Remote control system. 2,299,330; Oct. 20.

MacNeil, Charles I., Glen Ridge, and R. T. Zwack, East Orange, N. J., assignors to Bendix Aviation Corporation, South Bend, Ind. Propeller control mechanism. 2,299,635; Oct. 20.
MacPherson, Earle S., assignor to General Motors Corporation, Detroit, Mich. Hydraulic brake hose. 2,299,160; Oct. 20.
Magee Carpet Company. (See Penman, M. B., and Lyle, assignors.)
Magnavox Company, The. (See Dreisbach, Robert H., assignor.)
Maier, August R., Dallas, Tex., assignor to Oil Well Supply Company. Oil well drilling apparatus. 2,299,548; Oct. 20.
Maier, August R., and J. M. Shimer, Dallas, Tex., assignors to Oil Well Supply Company. Well drilling rotary. 2,299,549; Oct. 20.
Malcher, Otto, Chicago, Ill. Balancing mechanism. 2,299,586; Oct. 20.
Manhattan Novelty Company. (See Zolkind, Abram.)
Mann, Rufus A., and W. H. Mills, Kingsport, Tenn. Vehicle semaphore signal means. 2,299,161; Oct. 20.
Mansbendel, Fritz P., assignor to The Fred Goat Co., Inc., Brooklyn, N. Y. Automatic net weighing machine. 2,299,636; Oct. 20.
Marick, Louis, Grosse Point Farms, Mich., assignor to United States Rubber Company, New York, N. Y. Electrically heated sinus pad. 2,299,162; Oct. 20.
Marinone, Camillo, New York, N. Y. Sign. 2,299,331; Oct. 20.
Marland, Joseph A. (See Hoge, F. H., and Marland.)
Marler, Grover J., Spottsville, Ky. Boat rudder. 2,299,400; Oct. 20.
Marsh, Jas. P., Corporation. (See Hedfield, Reynold T., assignor.)
Marshall, Robert, Jr., Portland, Oreg. Air cleaner. 2,299,332; Oct. 20.
Martin, James T., Salinas, Calif. Mechanical movement. 2,299,637; Oct. 20.
Martinelli, Ciro C. (See Holmes, R. S., and Martinelli.)
Martinelli, Ciro C., Oaklyn, N. J., assignor to Radio Corporation of America. Noise suppression system. 2,299,333; Oct. 20.
Marvin, John T., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Fluid sealing device. 2,299,638; Oct. 20.
Mathys, Max A. (See Snader, Ira J., and Mathys.)
Matter, Gustave O., Portland, Oreg. Rotary plow. 2,299,334; Oct. 20.
Mayer, Edward R., Sr., Amarillo, Tex. Inner tube. 2,299,243; Oct. 20.
McBee Company, The. (See Connor, R., and Nevin, assignors.)
McCellan, Paul P., Old Greenwich, and W. P. Ericks, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Stabilized diazo guanylurea compounds. 2,299,244; Oct. 20.
McCellan, Paul P., Old Greenwich, and W. P. Ericks, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Stabilized diazo biguanide compounds. 2,299,245; Oct. 20.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Truck brake mechanism. 2,299,484; Oct. 20.
McDermet, John R., Hempfield Township, Westmoreland County, assignor to Elliott Company, Pittsburgh, Pa. Deaeration apparatus. 2,299,550; Oct. 20.
McElhaney, James R., Vandergrift, Pa., assignor to Carnegie-Illinois Steel Corporation. Treatment of ferrous bodies. 2,299,639; Oct. 20.
McGahey, Donald C., Atlanta, Ga. Toy. 2,299,551; Oct. 20.
McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Cycling multistage temperature control system. 2,299,163; Oct. 20.
McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,299,335; Oct. 20.
McGregor, Rob R., Swissvale, and E. L. Warrick, West View, Pa., asignors to Corning Glass Works, Corning, N. Y. Composition for use in mortar bonding glass and the like articles. 2,299,552; Oct. 20.
McGrory, Harry, Richmond Hill, N. Y. Preparing the heel seats of insoles. 2,299,336; Oct. 20.
McKinnis, Ronald B., assignor to Sunshine Foods Inc., Winter Haven, Fla. Extracting juice from fruits and vegetables. 2,299,553; Oct. 20.
McKinstry, Charles H., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,299,485; Oct. 20.
McLimans, John Fletcher, Duluth, Minn., assignor to The American Steel and Wire Company of New Jersey. Skewback for open hearth furnaces. 2,299,102; Oct. 20.
McMahan, Kenton D., Scotia, N. Y., assignor to General Electric Company. Washing machine. 2,299,554; Oct. 20.
Meaker Company, The. (See Finston, Victor, assignor.)
Melton, William L., Selman City, Tex. Electrical oil heating device. 2,299,401; Oct. 20.
Mergenthaler Linotype Company. (See Toland, William C., assignor.)
Mersereau, Everard C., Great Kills, assignor to National Brake Company, Inc., New York, N. Y. Hand brake mechanism. 2,299,402; Oct. 20.
Meyer, Charles, Jr., Miami Beach, Fla. Casement window adjuster. 2,299,338; Oct. 20.
Michigan Research Laboratories, Inc. (See Erickson, D. R., and Thoma, assignors.)
Michon, John B., Baton Rouge, La. Bed commode chair. 2,299,640; Oct. 20.
Middleton, Edmund B., Woodbridge, and A. B. Jennings, New Brunswick, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Color photography and compositions and elements therefor. 2,299,641; Oct. 20.
Miehle Printing Press and Manufacturing Company. (See Sites, Benjamin L., assignor.)
Miess, Fred, Gary, Ind. Electrical ignition apparatus. 2,299,642; Oct. 20.
Mietzsch, Fritz, and K. Bauer, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Benzenesulphonamide compounds. 2,299,555; Oct. 20.
Miller, Kinney I., Lancaster, and I. Dunbar, Kirksville, Mo. Cool water reservoir for refrigerators. 2,299,103; Oct. 20.
Miller, Mike A., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Brazing light metals. 2,299,164; Oct. 20.
Miller, Mike A., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Brazing light metals. 2,299,165; Oct. 20.
Miller, Mike A., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Brazing light metals. 2,299,166; Oct. 20.
Miller, Mike A., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Brazing light metals. 2,299,167; Oct. 20.
Miller, Mike A., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Brazing light metals. 2,299,168; Oct. 20.
Miller, Robert S., assignor to Pacific Chain and Manufacturing Company, Portland, Oreg. Chain link forming machine. 2,299,486; Oct. 20.
Millikin, Arnold S., and J. H. Apel, assignors to The Jaeger Machine Company, Columbus, Ohio. Screed unit. 2,299,700; Oct. 20.
Mills, William H. (See Mann, R. A., and Mills.)
Milprint, Inc. (See Hultkrans, Paul B., assignor.)
Milwaukee Gas Specialty Company. (See Wantz, Clarence, assignor.)
Mine Safety Appliances Company. (See Hartline, Ralph E., assignor.)
Mine Safety Appliance Company. (See Yant, William P., assignor.)
Minneapolis-Honeywell Regulator Company. (See Crum, Stephen, assignor.)
Minneapolis-Honeywell Regulator Company. (See Cyr, Benjamin, assignor.)
Minneapolis-Honeywell Regulator Company. (See Kronmiller, Carl G., assignor.)
Minneapolis-Honeywell Regulator Company. (See Lange, Frederick E., assignor.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Mission Manufacturing Company. (See Volpin, Alexander S., assignor.)
Mitchell, Bernard C., assignor of one-third to Alan Hale and one-third to Thomas D. Corcoran, both of Los Angeles, Calif. Venetian blind attachment. 2,299,701; Oct. 20.
Monarch Machine Tool Co., The. (See Bickel, Clifford A., assignor.)
Monitor Process Corporation. (See Tamminga, William, assignor.)
Monnerich, Wilhelm, Potsdam, O. Siepke, Berlin-Staaken, and A. Schaaf, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Arrangement for varying the band width in high frequency circuits. 2,299,337; Oct. 20.
Monnet, Georges, New York, N. Y., assignor to Guardian Merchandising Corporation of Montreal, Quebec, Canada. Razor blade. 2,299,104; Oct. 20.
Moody, Frederick K., Chicago, Ill. Valved connector. 2,299,643; Oct. 20.
Moore, Bernard L., Spokane, Wash. Pump primer. 2,299,556; Oct. 20.
Moore, George, New York, N. Y., deceased, L. H. Moore, executrix. Water softening system. 2,299,246; Oct. 20.
Moore, Hilbert R., Pluckemin, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave transmission system. 2,299,487; Oct. 20.
Moore, Lulu H., executrix. (See Moore, George.)
Morehead, James A., Huntington, W. Va., assignor to S. M. Dover, Chicago, Ill. Forming lenses. 2,299,488; Oct. 20.
Morgan, Maurice J., Charlotte, N. C. Power transmission unit. 2,299,247; Oct. 20.
Morris, Iva U., Haverford, Pa., assignor to B. D. Gilbert, New York, N. Y. Device for making duplicator master tapes. 2,299,557; Oct. 20.

Mosel, Joseph H., assignor to The Jaeger Machine Company, Columbus, Ohio. Portable hopper. 2,299,702; Oct. 20.
Mowlds, Kenneth S., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Making extended pigment with improved tinting strength. 2,299,160; Oct. 20.
Mowlds, Kenneth S., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Making composite pigments. 2,299,170; Oct. 20.
Mozel, Joe, Portland, Oreg. Golf ball hopper and dispensing device. 2,299,403; Oct. 20.
Muehter, Manfred W., Nutley, assignor to American District Telegraph Company, Jersey City, N. J. Signal retransmission system. 2,299,644; Oct. 20.
Muehter, Manfred W., Nutley, assignor to American District Telegraph Company, Jersey City, N. J. Signaling system. 2,299,645; Oct. 20.
Muir, William P., Hampstead, assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Method and apparatus for forging billets. 2,299,105; Oct. 20.
Muller, Henry A., Pittsburgh, Pa. Electric operated door unlocker for motor vehicles. 2,299,646; Oct. 20.
Muller, John A., Paterson, N. J., assignor to United States Rubber Company, New York, N. Y. Rotary hose coupling. 2,299,171; Oct. 20.
Muller, John A., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Rotary hose coupling assembly. 2,299,172; Oct. 20.
Mundel, August B., White Plains, and H. W. Koren, Bronx, assignors to Sonotone Corporation, Elmsford, N. Y. Wearable microphone amplifier. 2,299,558; Oct. 20.
Mundinger, Harvey A., assignor of one-half to R. M. Wright, Stevenson, Wash. Screen fastener. 2,299,489; Oct. 20.
Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,299,339; Oct. 20.
Murphy, Charles E., Kingfisher, Okla. Even temperature water supply tanks. 2,299,647; Oct. 20.
Muskegon Piston Ring Company. (See Lane, Paul S., assignor.)
National Brake Company. (See Mersereau, Everard C., assignor.)
National Cash Register Company, The. (See Green, Barrett K., assignor.)
National Steel Corporation. (See Klein, Clarence J., assignor.)
National Sugar Refining Company, The. (See Whymper, Robert, assignor.)
Nelson, Averd G., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Stove construction. 2,299,340; Oct. 20.
Neuman, Jacob J., assignor to United States Patent Development and Royalty Company, South Salem, N. Y. Processing sugar. 2,299,422; Oct. 20.
Neuman, Jacob J., assignor to United States Patent Development and Royalty Company, South Salem, N. Y. Bay closing apparatus. 2,299,423; Oct. 20.
Neuschaefer, Franz, Rye, N. Y. Container construction. 2,299,277; Oct. 20.
Nevin, Donald A. (See Connor, R., and Nevin.)
New Haven Clock Company, The. (See Whitehead, Richard H., assignor.)
Newman, Charles G., assignor to C. W. Willey, Chicago, Ill. Spring clip. 2,299,490; Oct. 20.
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatically operated valve. 2,299,404; Oct. 20.
Nolde, George V., assignor to Butte Electric Manufacturing Co., San Francisco, Calif. Indicating means for cash registers. 2,299,648; Oct. 20.
Nordberg Manufacturing Company. (See Symons, Loren G., assignor.)
Normington, James B. (See Dickey, J. B., and Normington.)
Obergfell, Hermann, assignor of one-half to H. G. Tomich, Chicago, Ill. Lock structure. 2,299,249; Oct. 20.
Ohls, Robert L., assignor to Reed Roller Bit Company, Houston, Tex. Valve. 2,299,341; Oct. 20.
Oil Well Supply Company. (See Maier, A. R., and Shimer, assignors.)
Old Mission Packing Corporation. (See Geren, R. P., and Vick, assignors.)
Ollier, Joseph O. (See Gray, D. E., and Ollier.)
Olson, Harry F., Haddon Heights, N. J., assignor to Radio Corporation of America. Electroacoustical apparatus. 2,299,342; Oct. 20.
Ornberg, Raymond N., et al. (See Anderson, Chester A., assignor.)
Otis Elevator Company. (See Sanford, Selden B., assignor.)
Ottersland, Peter N., Watertown, N. Y. Log chipper. 2,299,248; Oct. 20.
Outdoor Advertising, Incorporated. (See Rystedt, Ingemar K., assignor.)
Pacific Chain and Manufacturing Company. (See Miller, Robert S., assignor.)
Paille, Eugene, Los Angeles, assignor to General Controls Co., Glendale, Calif. Manual reset valve 2,299,649; Oct. 20.
Palste, Henry T., Chestnut Hill, Pa. Lamp shade and supporting mechanism therefor. 2,299,278; Oct. 20.
Parker, Arthur H. (See Sebell, Harry, assignor.)
Parks, Joseph A., Jr., Paterson, N. J., and J. W. Batchelder, Titusville, Pa., assignors to Interchemical Corporation, New York, N. Y. Rotary cutting and scoring mechanism. 2,299,650; Oct. 20.
Patent Button Company, The. (See Cronk, A. D., and Hart, assignors.)
Patent Button Company, The. (See Purinton, Forrest G., assignor.)
Patton, John W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Sleeping car. 2,299,343; Oct. 20.
Payne, John W. (See Simpson, T. P., Payne, and Valas.)
Pechy, William, Manasquan, N. J., assignor to American Can Company, New York, N. Y. Can end assembling machine. 2,299,106; Oct. 20.
Penman, Montgomery B., and J. Lyle, assignors to Magee Carpet Company, Bloomsburg, Pa. Axminister setting frame. 2,299,587; Oct. 20.
Pennsylvania Manufacturing Company. (See Gade, Harald F., assignor.)
Perbal, Albert C., University City, Mo. Electrical switch. 2,299,250; Oct. 20.
Perbal, Albert C., University City, Mo. Adjustable bracket. 2,299,251; Oct. 20.
Peremi, Edmund, Manhasset, and L. Toth, Flushing, N. Y. Window construction. 2,299,651; Oct. 20.
Perry, Walter M., North Plainfield, N. J., and T. C. Pond, Larchmont, assignors to Johns-Manville Corporation, New York, N. Y. Magnesia composition and preparing same. 2,299,721; Oct. 20.
Perry, Winthrop L., assignor to Abbott Machine Company, Wilton, N. H. Winding machine guide. 2,299,344; Oct. 20.
Peters, Orville S., Chevy Chase, Md., assignor to The Baldwin Locomotive Works. Fatigue testing machine. 2,299,424; Oct. 20.
Peters, Orville S., Chevy Chase, Md., assignor to The Baldwin Locomotive Works. Oscillator. 2,299,425; Oct. 20.
Peterson, Robert E., Los Angeles, Calif., assignor to Sco-Peet Manufacturers, Inc. Hydraulic apparatus for opening, closing, and locking doors, and the like. 2,299,345; Oct. 20.
Peterson, Vincent C. (See Turner, G. F., and Peterson.)
Peterson, Vincent C. (See Turner, G. F., Peterson, and Ross.)
Petroleum Iron Works Company of Ohio. (See Shanor, Edgar E., assignor.)
Pfauser, Edward M., Elm Grove, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Pump assembly. 2,299,492; Oct. 20.
Phillips Petroleum Company. (See Frey, F. E., Snow, and Schulze, assignors.)
Phillips Petroleum Company. (See Riney, A. H., and Weber, assignors.)
Pidgeon, Elmer F., Spiceland, Ind. Window shade. 2,299,173; Oct. 20.
Pierce, John R., assignor to Bell Telephone Laboratories, New York, N. Y. Frequency detector. 2,299,252; Oct. 20.
Pitometer Log Corporation. (See Cole, E. S. and J. R., assignors.)
Pittsburgh Plate Glass Company. (See Chenicek, Albert G., assignor.)
Pixley, Milton A., et al. (See Averbach, Jacob E., assignors.)
Plummer, George T., San Francisco, Calif. Admission and use recording device for enclosures. 2,299,174; Oct. 20.
Pond, Thomas C. (See Perry, W. M., and Pond.)
Postal Telegraph-Cable Company (New York). (See Halliden, Frederick G., assignor.)
Potter, David M., Plainfield, assignor to Breeze Corporations, Inc., Newark, N. J. Flowmeter. 2,299,406; Oct. 20.
Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Keyboard code printer. 2,299,107; Oct. 20.
Potwin, Julian C., Ivoryton, Conn. Piano action. 2,299,656; Oct. 20.
Powers, John M., Cleveland Heights, Ohio. Candle guard. 2,299,108; Oct. 20.
Prange, Horace I., Kalamazoo, Mich. Method and apparatus for marking edges of rimless eyeglass lenses. 2,299,405; Oct. 20.
Prentiss Wabers Products Co. (See Nelson, Averd G., assignor.)
Price, Gayle B. (See Rogers, H. L., and Price, assignors.)
Procissi, Paul S., and R. W. Butler, Flint, assignors to General Motors Corporation, Detroit, Mich. Collapsible box. 2,299,175; Oct. 20.
Proctor, John R., Bayonne, N. J. Locking ring for metal containers. 2,299,588; Oct. 20.
Puening, Franz, Hinchley Wood, England. Oven for coking of coal. 2,299,253; Oct. 20.
Pullis, George A., Hoboken, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,299,279; Oct. 20.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Reinforced plastic button. 2,299,493; Oct. 20.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Plastic button. 2,299,494; Oct. 20.

Quilter, John R. C., Woking, England. Parachute pack. 2,299,407; Oct. 20.
Quilter, John R. C., Woking, England. Parachute. 2,299,408; Oct. 20.
Quinn, Edward, Saugus, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Roughing machine. 2,299,176; Oct. 20.
Quinn, Nelson J., assignor, by mesne assignments, to Quinnex Corporation, Toledo, Ohio. Mechanical projecting apparatus. 2,299,491; Oct. 20.
Quinnex Corporation. (See Quinn, Nelson J., assignor.)
Radio Corporation of America. (See Allen, Horace C., assignor.)
Radio Corporation of America. (See Ehret, Robert J., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Holmes, Ralph S., assignor.)
Radio Corporation of America. (See Holmes, R. S., and Martinelli, assignors.)
Radio Corporation of America. (See Johnson, H. W., and Smith, assignors.)
Radio Corporation of America. (See Kell, Ray D., assignor.)
Radio Corporation of America. (See Kerman, Nathaniel L., assignor.)
Radio Corporation of America. (See Kreuzer, Barton, assignor.)
Radio Corporation of America. (See Lucy, David G. C., assignor.)
Radio Corporation of America. (See Martinelli, Ciro C., assignor.)
Radio Corporation of America. (See Olson, Harry F., assignor.)
Radio Corporation of America. (See Reiskind, Hillel I., assignor.)
Radio Corporation of America. (See Suomala, John B., assignor.)
Radio Corporation of America. (See Tolson, William A., assignor.)
Radio Patents Corporation. (See Gray, D. E., and Ollier, assignors.)
Rahn, Andrew, Detroit, Mich. Apparatus for finger-printing. 2,299,652; Oct. 20.
Rand, Henry J., New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Oxygen regulating device. 2,299,109; Oct. 20.
Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,299,653; Oct. 20.
Rathbun, John P. (See Bowman, R. A., and Rathbun.)
Rathburn, Ivard M., Houston, Tex. Telephone and advertising cabinet. 2,299,409; Oct. 20.
Ray, William A., Glendale, Calif. Manual reset valve. 2,299,654; Oct. 20.
Raytheon Manufacturing Company. (See Klemperer, Hans, assignor.)
Reed, Daniel E., assignor to Yankee Metal Products Corp., Norwalk, Conn. Clamp device. 2,299,200; Oct. 20.
Reed Roller Bit Company. (See Ohls, Robert L., assignor.)
Reeves, Donald H., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,299,655; Oct. 20.
Refining Inc. (See Thurman, Benjamin, H., assignor.)
Rehm, Gustav A., assignor to Riley Stoker Corporation, Worcester, Mass. Water cooled furnace. 2,299,559; Oct. 20.
Reilly, Frank J., Orlando, Fla., assignor to General American Precooling Corporation, Chicago, Ill. Conditioning commodities. 2,299,177; Oct. 20.
Reis, Adele, executrix. (See Reis, Curt F.)
Reis, Curt F., New York, N. Y., deceased; Adele Reis, executrix. Magneto rotor. 2,299,589; Oct. 20.
Reiskind, Hillel I., Indianapolis, Ind., assignor to Radio Corporation of America. Sound reproduction. 2,299,410; Oct. 20.
Reiter, Lambert, Minneapolis, Minn. Adjustable boat seat. 2,299,178; Oct. 20.
Republic Flow Meters Company. (See Rosenberger, Albert J., assignor.)
Research Corporation. (See Draper, Charles S., assignor.)
Research Corporation. (See van der Meulen, P. A., and Lerowitz, assignors.)
Rex, Catherine A. (See Rex, William-George, assignor.)
Rex, William-George, assignor of one-half to C. A. Rex, Sydney, New South Wales, Australia. Chime mechanism. 2,299,591; Oct. 20.
Reynolds, Noel S., St. Louis, Mo. Seal. 2,299,590; Oct. 20.
Richards, William H., Dayton, Ohio. Steam generator. 2,299,110; Oct. 20.
Rickmeyer, Ernst W., Elmhurst, assignor to Jefferson Electric Company, Bellwood, Ill. Switch. 2,299,346; Oct. 20.
Rifkin, Milton, Denver, Colo. Refrigerated display shelf. 2,299,347; Oct. 20.
Riley Stoker Corporation. (See Rehm, Gustav A., assignor.)
Riney, Arthur H., and L. J. Weber, Bartlesville, Okla., assignors to Phillips Petroleum Company. Combined pipe-line cleaner and fluid separator. 2,299,254; Oct. 20.
Rober, Anton, Milwaukee, Wis. Propeller. 2,299,592; Oct. 20.
Roberts, Dudley, New York, R. C. Bascom, Merrick, N. Y., and L. Cooper, Monson, Mass., assignors to Rubatex Products, Inc., New York, N. Y. Making closed cell expanded rubber by internally developed gases. 2,299,593; Oct. 20.
Robinson, Charles A., Cleveland Heights, Ohio. Iron support for ironing boards. 2,299,594; Oct. 20.
Rocke, William, South Bend, Ind. Dual agency washer. 2,299,495; Oct. 20.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonograph indicator. 2,299,348; Oct. 20.
Rockola, David C., Chicago, Ill. Parking meter. 2,299,349; Oct. 20.
Rock-Ola Manufacturing Corporation. (See Rockola, David C., assignor.)
Roeder, Dale. (See Johnson, F., and Roeder.)
Rogers, Homer L., and G. B. Price, Dayton, Ohio, assignors, by mesne assignments, to said Price. Cast slab. 2,299,070; Oct. 20.
Rogers, Homer L., and G. B. Price, assignors, by mesne signors, by mesne assignments, to said Price. Building construction. 2,299,071; Oct. 20.
Roger, Homer L., and G. B. Price, assignors, by mesne assignments, to G. B. Price, Dayton, Ohio. Apparatus for casting slabs. 2,299,072; Oct. 20.
Rogers, Homer L., and G. B. Price, Dayton, Ohio, assignors, by mesne assignments, to said Price. Casting slabs. 2,299,111; Oct. 20.
Rolfson, Cornelius A., Portland, Oreg. Locking paper clip. 2,299,496; Oct. 20.
Rosebaugh, Theodore W., assignor to Shell Development Company, San Francisco, Calif. Extraction. 2,299,426; Oct. 20.
Rosenberger, Albert J., Wilmette, assignor to Republic Flow Meters Company, Chicago, Ill. Fluid seal. 2,299,179; Oct. 20.
Rosenstein, Ludwig, assignor to Shell Development Company, San Francisco, Calif. Chlorine manufacture. 2,299,427; Oct. 20.
Rosenthal, Adolph H., New York, N. Y. Bulb flashing device for photographic purposes. 2,299,497; Oct. 20.
Ross, Donald W. (See Turner, G. F., Peterson and Ross.)
Rossetti, Carlo, assignor to the firm Leclanché S. A., Yverdon, Switzerland. Manufacturing a highly active developizer from natural pyrolusite. 2,299,428; Oct. 20.
Rowells, Amy B. (See White, Gladys B., assignor.)
Rowlands, Arthur E., and M. M. Clemons, Cleveland, Ohio, assignors to General Motors Corporation, Detroit, Mich. Drawing compound applicator. 2,299,350; Oct. 20.
Rubatex Products, Inc. (See Roberts, D., Bascom, and Cooper, assignors.)
Rubinstein, Harry W., and H. L. Zimmerman, assignors to Globe-Union Inc., Milwaukee, Wis. Switch mechanism. 2,299,498; Oct. 20.
Russell, Robert C. (See Stork, R. E., and Russell.)
Rust, Frederick, and W. E. Vaughan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalyzed hydrobromination of unsaturated organic compounds. 2,299,411; Oct. 20.
Rust, Frederick F. (See Vaughan, W. E., and Rust.)
Rycroft, John L., Northwood, assignor to General Electric Company Limited, London, England. Electric heating device. 2,299,596; Oct. 20.
Rydmark, Josef A., Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine blade shrouding. 2,299,429; Oct. 20.
Rydquist, Adolph, assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window guide. 2,299,595; Oct. 20.
Rydstedt, Ingemar K., Chicago, Ill., assignor to Outdoor Advertising, Incorporated. Portable projector. 2,299,657; Oct. 20.
Salter Machine Company. (See Emmons, W. J., and Gallagher, assignors.)
Sample, Fleck W., Forest Hills, assignor to American Flange & Manufacturing Co., Inc., New York, N. Y. Sealing system for container closures. 2,299,281; Oct. 20.
Sanford, Selden B., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Protective device for fluorescent lamp circuits. 2,299,499; Oct. 20.
Sarvis, Louis. (See Solakian, H., and Sarvis.)
Sawyer, Philip A., Hasbrouck Heights, N. J. Sandal. 2,299,500; Oct. 20.
Schaaf, Alexander. (See Mennerich, W., Siepke and Schaaf.)
Scheib, Elmer J., Cabot, assignor to Blaw-Knox Company, Pittsburgh, Pa. Clamshell bucket. 2,299,255; Oct. 20.
Schilling, Harold K., Lincoln, Nebr., assignor to R. C. Brown, Jr., Highland Park, Ill., as trustee. Acoustic filter. 2,299,112; Oct. 20.
Schilling, William M., Chicago, Ill. Combination knife guard and reminder board. 2,299,597; Oct. 20.
Schlage Lock Company. (See Schlage, Walter R., assignor.)
Schlage, Walter R., Burlingame, assignor to Schlage Lock Company, San Francisco, Calif. Door lock. 2,299,180; Oct. 20.
Schlage, Walter R., Burlingame, assignor to Schlage Lock Company, San Francisco, Calif. Backset extension unit for door locks. 2,299,181; Oct. 20.

Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window guide. 2,299,598; Oct. 20.
Schlegel Manufacturing Company, The. (See Rydquist, Adolph, assignor.)
Schlegel Manufacturing Company, The. (See Schlegel, Charles P., assignor.)
Schmalenbach, Adolf, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Recovery of high-grade crude from enriched benzol wash-oil. 2,299,282; Oct. 20.
Schmalenbach, Adolf, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Treatment of enriched benzol wash oil or the like. 2,299,283; Oct. 20.
Schmidt, Erwin L. (See Schwabe, Joseph L., Jr., assignor.)
Schneider, Elbert D., Scotia, N. Y., assignor to General Electric Company. Control system. 2,299,501; Oct. 20.
Schnuck, Carl F., New Haven, and O. W. Hooker, Shelton, assignors to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Internal mixer. 2,299,502; Oct. 20.
Schoenrock, Otto R., assignor to Aetna Ball Bearing Manufacturing Company, Chicago, Ill. Universal joint. 2,299,351; Oct. 20.
Schoof, John F., Gettysburg, S. Dak. Expansible container. 2,299,182; Oct. 20.
Schultz, Richard R., Cleveland Heights, Ohio. Lighting fixture. 2,299,256; Oct. 20.
Schultz, William F., Ripon, Wis. Valve. 2,299,599; Oct. 20.
Schulze, Walter A. (See Frey, F. E., Snow, and Schulze.)
Schwabe, Joseph L., Jr., assignor to Erwin L. Schmidt, Milwaukee, Wis. Separating die sets. 2,299,703; Oct. 20.
Sco-Peet Manufacturers, Inc. (See Peterson, Robert E., assignor.)
Sebell, Harry, Newton, assignor of one-half to Arthur H. Parker, Lexington, Mass. Container. 2,299,503; Oct. 20.
Seeger Refrigerator Company. (See Swedman, E., and Bergman, assignors.)
Seever, John B., Oak Park, Ill., assignor to W. F. Stahl. Coil form and the like. 2,299,113; Oct. 20.
Sergeant, Harold F., Wilmette, Ill. Putty applicator. 2,299,352; Oct. 20.
Sergent, Walter H., assignor to Ideal Wrapping Machine Company, Middletown, N. Y. Wrapping machine conveyer and feed mechanism. 2,299,504; Oct. 20.
Sexton, Everett P., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control device. 2,299,430; Oct. 20.
Shaffer, Charles H., Lancaster, N. Y. Spring sizing machine. 2,299,505; Oct. 20.
Shaffer, Harvey H., Berwick, Pa. Side bearing for railway car bodies. 2,299,600; Oct. 20.
Shanor, Edgar E., assignor to The Petroleum Iron Works Company of Ohio, Sharon, Pa. Sheet metal barrel or drum. 2,299,183; Oct. 20.
Sheldrick, Laurence S., Dearborn, Mich., and H. G. Ferguson, Belfast, Northern Ireland, assignors to Ford Motor Company, and Ferguson-Sherman Manufacturing Corporation, Dearborn, Mich. Brake. 2,299,412; Oct. 20.
Shell Development Company. (See Hearne, G. W., and LaFrance, assignors.)
Shell Development Company. (See Rosebaugh, Theodore W., assignor.)
Shell Development Company. (See Rosenstein, Ludwig, assignor.)
Shell Development Company. (See Rust, F., and Vaughan, assignors.)
Shell Development Company. (See Thomas, S. B., and Smith, assignors.)
Shell Development Company. (See van Peski, Adrianus J., assignor.)
Shell Development Company. (See Vaughan, W. E., and Rust, assignors.)
Sheppard, Richard H., Hanover, Pa. Piston cooling. 2,299,506; Oct. 20.
Shideler, Norman T., near Bridgeport, assignor to Steel Protection & Chemical Co., Inc., Mooresville, Ind. Wood protective means. 2,299,601; Oct. 20.
Shimer, John M. (See Maier, A. R., and Shimer.)
Shirey, Mary E., New York, N. Y. Colostomy appliance. 2,299,431; Oct. 20.
Siepke, Otto. (See Mennerich, W., Siepke and Schaaf.)
Sievert, Charles W. (See Svirsky, Bennett, assignor.)
Simms, Ralph G., Medford, and P. J. Harriman, Newton, Mass., assignors to The B. F. Goodrich Company, New York, N. Y. Cell cover for storage batteries. 2,299,507; Oct. 20.
Simon, Harry, New York, N. Y. Telephone dial mask. 2,299,257; Oct. 20.
Simpson, Emory G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Door lock. 2,299,353; Oct. 20.
Simpson, Thomas P., J. W. Payne, and P. D. Valas, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Activation of petroleum adsorbents. 2,299,258; Oct. 20.
Singer Manufacturing Company, The. (See Chason, Daniel H., assignor.)
Sinnock, Pomeroy, Stockton, Calif. Pile construction. 2,299,413; Oct. 20.
Sites, Benjamin L., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Sheet delivery means. 2,299,259; Oct. 20.
Sivian, Leon J., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Energy translation utilizing pyroelectricity. 2,299,260; Oct. 20.
Sivil, Cecil S., Roselle, and E. O. Liebig, North Arlington, assignors to Baker & Company, Inc., Newark, N. J. Alloy. 2,299,114; Oct. 20.
Skareen, Willard C., assignor to The Bingham Stamping Company, Toledo, Ohio. Mechanism control. 2,299,508; Oct. 20.
Skreberg, Hans, Big Bend Township, Chippewa County, Minn. Hat. 2,299,432; Oct. 20.
Slepian, Joseph, Pittsburgh and W. E. Berkey, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lightning arrester. 2,299,184; Oct. 20.
Smidth, F. L., & Co. (See Vogel-Jorgensen, Mikael, assignor.)
Smith, Charles O., San Jose, Calif. Prune processer. 2,299,658; Oct. 20.
Smith, Hannah M., et al. (See Keen, T. A., and Kilburg, assignors.)
Smith, John F. D. (See Ledwinka, J. and Smith.)
Smith, Pearl J. M., Oklahoma City, Okla. Skirt marking apparatus. 2,299,659; Oct. 20.
Smith, Samuel B. (See Johnson, H. W., and Smith.)
Smith, William C. (See Thomas, S. B., and Smith.)
Smola, Andrew T., Cleveland, assignor to The Cleveland Chain & Manufacturing Company, Cleveland, Ohio. Tire chain mounter. 2,299,185; Oct. 20.
Snader, Ira J., and M. A. Mathys, assignors to Ex-Cell-O Corporation, Detroit, Mich. Hydraulic pump and control means therefor. 2,299,234; Oct. 20.
Snader, Ira J., and M. A. Mathys, assignors to Ex-Cell-O Corporation, Detroit, Mich. Hydraulic pump. 2,299,235; Oct. 20.
Snow, Robert D. (See Frey, F. E., Snow and Schulze.)
Snyder, Chester, Yonkers, assignors to Liatex Corporation, New York, N. Y. Plastic product. 2,299,509; Oct. 20
Society of Chemical Industry In Basle. (See Hauser, H., and Bommer, assignors.)
Socony-Vacuum Oil Company. (See Simpson, T. P., Payne, and Valas, assignors.)
Solakian, Haig, and L. Sarvis, New Haven, Conn. High speed steel hardening bath. 2,299,186; Oct. 20.
Solomon, Irving, et al. (See Zolkind, Abram, assignor.)
Sonotone Corporation. (See Mundel, A. B., and Koren, assignors.)
Spencer, Lee, Flushing, N. Y. Rail fastener. 2,299,354; Oct. 20.
Spengler, Walter J., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Radio shielded ignition means. 2,299,714; Oct. 20.
Spiegl, Ellis H., Salinas, Calif. Apparatus for producing refrigerants. 2,299,414; Oct. 20.
Sprague Specialties Co. (See Godsey, Frank W., Jr., assignor.)
Squibb, E. R., & Sons. (See Hulsmann, Johannes D., assignor.
Stahl, William F. (See Seever, John B., assignor.)
Staley, Hobart, deceased, late of Dayton, Ohio, by J. M. Staley, Administratrix, Dayton, Ohio. No-slip parting chock. 2,299,115; Oct. 20.
Staley, Jennie M., administratrix. (See Staley, Hobart, assignor.)
Standard Oil Company, The. (See West, Howard F., assignor.)
Steadman, Albert, Nutley, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Delay screen material and making the same. 2,299,510; Oct. 20.
Stearns, Austin J., Seffner, Fla. Dump body lift or the like. 2,299,187; Oct. 20.
Steel Protection & Chemical Co., Inc. (See Shideler, Norman T., assignor.)
Steidemann, Edward H., Normandy, Mo. Market quotation board. 2,299,284; Oct. 20.
Steiner, Irene Pecheur, Kew Gardens, N. Y. Candy package. 2,299,511; Oct. 20.
Stolpman, George E., Lakewood, assignor to The Cleveland Welding Company, Cleveland, Ohio. Shipping container. 2,299,355; Oct. 20.
Stonebridge, George E., Jr., New York, N. Y., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,299,660; Oct. 20.
Stoner, Frank R., Jr., and D. M. Gray, Sewickley, assignors to Stoner-Mudge, Inc., Pittsburgh, Pa. Decorated metal sheet and varnish therefor. 2,299,433; Oct. 20.
Stoner-Mudge, Inc. (See Stoner, F. R., Jr., and Gray, assignors.)
Stork, Ralph E., Hohokus, N. J., and R. C. Russell, Greene, N. Y. Refrigeration system. 2,299,188; Oct. 20.
Storkline Furniture Corporation. (See Feldman, Abraham G., assignor.)
Strid, Sven J., assignor to T & S Corporation, Chicago, Ill. Combined roof and running board. 2,299,704; Oct. 20.
Strohm, Walter T. and R. S. Comer, West Los Angeles, assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Utility crossover. 2,299,356; Oct. 20.

Strong, John, Downers Grove, Ill. Combined filter and pneumatic pressure tank. 2,299,415; Oct. 20.
Strunk, Kenith G., East Orange, and W. D. Dayton, Bloomfield, assignors to Breeze Corporations, Inc., Newark, N. J. Coupling for rods and tubes. 2,299,357; Oct. 20.
Strutt, Maximiliaan J. O. (See van der Ziel, A., and Strutt.)
Sunshine Foods Inc. (See McKinnis, Ronald B., assignor.)
Suomala, John B., Haddonfield, N. J., assignor to Radio Corporation of America. Sound reproducing apparatus. 2,299,358; Oct. 20.
Svirsky, Bennett, Glendale, Calif. Expansible plugs for conduits. 2,299,116; Oct. 20.
Svirsky, Bennett, Glendale, Calif. Plumber's pipe testing device. 2,299,434; Oct. 20.
Svirsky, Bennett, Glendale, Calif. Ball cock device. 2,299,706; Oct. 20.
Svirsky, Bennett, Glendale, Calif. Water control for closet tanks. 2,299,707; Oct. 20.
Svirsky, Bennett, Glendale, Calif., assignor of one-half to C. W. Sievert. Shower stall subdrainer. 2,299,705; Oct. 20.
Swan, Donald R., assignor to Eastman Kodak Company, Rochester, N. Y. Vinyl ether. 2,299,189; Oct. 20.
Swedman, Enoch, and H. G. Bergman, assignors to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator shelf. 2,299,512; Oct. 20.
Sweeny, Charles P., assignor to Vickers, Incorporated, Detroit, Mich. Motor control. 2,299,190; Oct. 20.
Sylvania Electric Products Inc. (See Holman, George E., assignor.)
Symons, Loren G., Hollywood, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Flexible support for vibrated members. 2,299,661; Oct. 20.

T & S Corporation. (See Strid, Sven J., assignor.)
Tamburro, Francis P. (See Townsend, N. F., and Tamburro.)
Tamminga, William, Bronx, N. Y., assignor to Monitor Process Corporation, Jersey City, N. J. Dispensing apparatus. 2,299,435; Oct. 20.
Tauber, Rudolf, New York, N. Y. Coil binder. 2,299,715; Oct. 20.
Taylor-Freeman-Stanley, Incorporated. (See Hunter, A., and De Stefano, assignors.)
Taylor, Hubert. (See Chalmer, E., and Taylor.)
Taylor, James C., Jr., Charleston, S. C. Maxillary mandibular relater. 2,299,285; Oct. 20.
Taylor, Reginald, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone or like system. 2,299,513; Oct. 20.
Taylor, Reginald, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone system. 2,299,514; Oct. 20.
Taylor-Winfield Corporation. (See Humphrey, Stanley M., assignor.)
Teague, Monroe M., Lenoir, N. C. Dovetailing machine. 2,299,602; Oct. 20.
Telautograph Corporation. (See Tiffany, George S., assignor.)
Teletype Corporation. (See Potts, Louis M., assignor.)
Ternstedt Manufacturing Company. (See Simpson, Emory G., assignor.)
Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,299,416; Oct. 20.
Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,299,417; Oct. 20.
Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Blade dispenser. 2,299,436; Oct. 20.
Thaler, Wilhelm, Heidenheim on the Brenz, Germany, assignor to American Voith Contact Co., Inc., New York, N. Y. Drying drum for the drying of felts. 2,299,662; Oct. 20.
Tharp, Alvin S., Long Beach, Calif. Shutoff valve for storage tanks. 2,299,360; Oct. 20.
Thoma, Paul J. (See Erickson, D. R., and Thoma.)
Thomas, Frank W., East Cleveland, Ohio. Scoop. 2,299,418; Oct. 20.
Thomas, Samuel B., and W. C. Smith, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Purification of alkyl phenols. 2,299,437; Oct. 20.
Thomas, William D., Jr. (See Cook, E. W., and Thomas, Jr.)
Thompson, Arthur S., Ontario, Calif. Bumper and license plateholder. 2,299,359; Oct. 20.
Thurman, Benjamin H., Charlotte, N. C., assignor to Refining Inc., Reno, Nev. Soap stock purification and product. 2,299,603; Oct. 20.
Tiffany, George S., Summit, N. J., assignor to Telautograph Corporation, New York, N. Y. Vibratory rectifier. 2,299,438; Oct. 20.
Tilstone, George, and R. K. Whitehead, Stafford, assignors to The English Electric Company Limited, London, England. Gyroscopic instrument. 2,299,663; Oct. 20.
Toland, William C., Brookline, Mass., assignor to Mergenthaler Linotype Company. Casting rule holding unit for stamping forms. 2,299,191; Oct. 20.
Tolson, William A., Westmont, N. J., assignor to Radio Corporation of America. Television system. 2,299,361; Oct. 20.
Tomick, Hugo G. (See Obergfell, Hermann, assignor.)
Tormyn, Herman, assignor to General Motors Corporation, Detroit, Mich. Making sintered articles. 2,299,192; Oct. 20.
Toth, Louis. (See Peremi, E., and Toth.)
Towmotor Co. (See Weaver, Elverton W., assignor.)
Towne, Charles C., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone coin collector. 2,299,664; Oct. 20.
Townsend, Norman F., Port Chester, and F. P. Tamburro, Ozone Park, assignors to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Lubricating mechanism for sewing machines. 2,299,439; Oct. 20.
Trabin, Christian, Baltimore, Md. Christmas tree holder. 2,299,515; Oct. 20.
Trautman, Walter C., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Coupling. 2,299,193; Oct. 20.
Travilla, James C., Jr., University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway axle journal lateral motion device. 2,299,560; Oct. 20.
Trevino, Edmund A. (See Britt, T. J., and Trevino.)
Turner, George F., V. C. Peterson and D. W. Ross, assignors to Harper-Wyman Company, Chicago, Ill. Gas valve. 2,299,665; Oct. 20.
Turner, George F., and V. C. Peterson, assignors to Harper-Wyman Company, Chicago, Ill. Gas valve. 2,299,666; Oct. 20.
Turner, James F., and C. P. Breidenbaugh, assignors to Flynn & Emrich Company, Baltimore, Md. Ice cubing machine. 2,299,261; Oct. 20.
Twentieth Centry-Fox Film Corporation. (See Strohm, W. T., and Comer, assignors.)
Uhlhorn, Walter J., Oak Park, Ill. Filter. 2,299,364; Oct. 20.
Ungemach, Wallace, Bronx, N. Y. Transparent receptacle. 2,299,194; Oct. 20.
Union Carbide and Carbon Corporation. (See Hanson, Ernest R., assignor.)
Union Switch & Signal Company, The. (See Jerome, Arthur L., assignor.)
United Aircraft Products, Inc. (See Clark, Warren H., assignor.)
United Shoe Machinery Corporation. (See Cantley, Joseph C., assignor.)
United Shoe Machinery Corporation. (See Lyon, Harry, assignor.)
United Shoe Machinery Corporation. (See Quinn, Edward, assignor.)
United Shoe Machinery Corporation. (See Ushakoff, Alexis E., assignor.)
United States Automatic Box Machine Co. (See Evans, Harry L., assignor.)
United States Patent Development and Royalty Company. (See Neuman, Jacob J., assignor.)
United States Rubber Company. (See Epes, William R., assignor.)
United States Rubber Company. (See Grafton, Corydon M., assignor.)
United States Rubber Company. (See Marick, Louis, assignor.)
United States Rubber Company. (See Muller, John A., assignor.)
United States Steel Corporation of Delaware. (See Elmendorf, Harold J., assignor.)
Universal Optical Company. (See Bosworth, Thomas E., assignor.)
Universal Process (Parent) Company Limited. (See D'Antal, Ladislaó, assignor.)
Uremovich, Mark, Milwaukee, Wis. Power-driven bench saw. 2,299,262; Oct. 20.
Ushakoff, Alexis E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel forming and attaching. 2,299,195; Oct. 20.
V & O Press Company. (See Giffen, J. L., and Freeman, assignors.)
Valas, Peter D. (See Simpson, T. P., Payne, and Valas.)
Valuch, Samuel, Cudahy, Wis. Meter changing water cutoff. 2,299,365; Oct. 20.
Van der Meulen, Peter A., and D. Levowitz, New Brunswick, N. J., assignors to Research Corporation. System for producing butter. 2,299,440; Oct. 20.
Van der Ziel, Aldert, and M. J. O. Strutt, Eindhoven, Netherlands. High-frequency amplifying circuits. 2,299,366; Oct. 20.
Van Peski, Adrianus J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of hydroaromatic hydrocarbons. 2,299,716; Oct. 20.
Van Westrulenen, Gerrit, et al. (See Zam, Nicholas J., assignor.)
Vaughan, William E. (See Rust, F., and Vaughan.)
Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalytic halo-substitution of saturated organic compounds. 2,299,441; Oct. 20.
Vick, Earl R. (See Geren, R. P., and Vick.)
Vickers, Incorporated. (See Sweeny, Charles P., assignor.)

Villani, Romeo A., San Isidro, Argentina. Rotary advertising mirror. 2,299,362; Oct. 20.
Vinci, Joseph R., Ansonia, Conn. Dancing toy. 2,299,363; Oct. 20.
Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Making beaded welting. 2,299,263; Oct. 20.
Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Making shoe welting. 2,299,516; Oct. 20.
Vogel-Jorgensen, Mikael, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Apparatus for spreading material over large surfaces. 2,299,442; Oct. 20.
Volpin, Alexander S., assignor to Mission Manufacturing Company, Houston, Tex. Counterpressure control for plug valves. 2,299,517; Oct. 20.
Von Manteuffel, Gert Z., Berlin-Dahlem, Germany; vested in the Alien Property Custodian. Gyroscopic device. 2,299,117; Oct. 20.
Wade, Lorentz G., Westfield, and D. V. Waters, Flemington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,299,518; Oct. 20.
Wallace, James M., Braddock, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,299,196; Oct. 20.
Wallace & Tierman Products, Inc. (See Crampton, David, assignor.)
Walmsley, Burton O., Chicago, Ill. Frame support. 2,299,443; Oct. 20.
Walter, Henry E. (See Heritage, C. C., and Walter.)
Walters, Clarence C. (See Jordan, L. J., and Walters.)
Wantz, Clarence, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Magnetic safety valve. 2,299,286; Oct. 20.
Warner, Louis A., Baltimore, Md. Navigational computer. 2,299,444; Oct. 20.
Warner, E. Raymond. (See Cleveland, Ephraim W., and Warner.)
Warrick, Earl L. (See McGregor, R. R., and Warrick.)
Waterman, Herbert, assignor to Aerovox Corporation, New Bedford, Mass. Electrolytic cell. 2,299,667; Oct. 20.
Waters, Daniel V. (See Wade, L. G., and Waters.)
Weaver, Elverton W., Cleveland Heights, assignor to Towmotor Co., Cleveland, Ohio. Industrial truck. 2,299,445; Oct. 20.
Webb, Arthur B., assignor to Cream City Boiler Company, Milwaukee, Wis. Safety valve. 2,299,367; Oct. 20.
Weber, Louis J. (See Riney, A. H., and Weber.)
Webster, Robert A., Santa Monica, Calif. Discharge device for ash receptacles. 2,299,668; Oct. 20.
Weirich, Clarence L., assignor to The C. B. Dolge Company, Westport, Conn. Fungicidal composition. 2,299,604; Oct. 20.
Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Starting relay. 2,299,669; Oct. 20.
West, Howard F., Shaker Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Catalytic unit. 2,299,197; Oct. 20.
Westcott, Clifford H., Oak Park, Ill., assignor, by mesne assignments, to Cal C. Chambers and Robert S. Bradshaw, Jr., St. Louis, Mo. Dowel bar structure. 2,299,670; Oct. 20.
Western Electric Company. (See Boynton, Stanley E., assignor.)
Western Electric Company. (See Christensen, Louis H., assignor.)
Western Electric Company. (See De Lorme, Alfred C., assignor.)
Western Electric Company. (See Fruth, Hal F., assignor.)
Western Electric Company. (See Hart, Earl, assignor.)
Western Electric Company. (See Johansson, Sven G., assignor.)
Western Electric Company. (See Wade, L. G., and Waters, assignors.)
Westinghouse Air Brake Company, The. (See Edmundson, Zerah F., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, George C., assignor.)
Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)
Westinghouse Air Brake Company, The. (See McKinstry, Charles H., assignor.)
Westinghouse Air Brake Company, The. (See Sexton, Everett P., assignor.)
Westinghouse Air Brake Company, The. (See Wood, Alfred B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bowman, R. A., and Rathbun, assignors.)
Westinghouse Electric & Manufacturing Company. (See Clark, E. K., and Heilman, assignors.)
Westinghouse Electric & Manufacturing Company. (See Cody, C. S., and Heitchue, assignors.)
Westinghouse Electric & Manufacturing Company. (See Gier, John R., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See King, G. E., and Formhals, assignors.)
Westinghouse Electric & Manufacturing Company. (See Rydmark, Josef A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, J., and Berkey, assignors.)
Westinghouse Electric & Manufacturing Company. (See Wallace, James M., assignor.)
Westling, Carl J. (See Boynton, A. J., and Westling.)
Wheeler, Pearl I, Los Angeles, Calif. Glove. 2,299,118; Oct. 20.
White, Gladys B., Riverside, Calif., assignor of one-half to Amy Britt Rowells, Clovis, N. Mex. Woman's disposable undergarment. 2,299,446; Oct. 20.
White, Joe, Anderson, Ind, assignor to General Motors Corporation, Detroit, Mich. Electromagnetic motor switch. 2,299,671; Oct. 20.
Whitehead, Richard H., assignor to The New Haven Clock Company, New Haven, Conn. Clock. 2,299,519; Oct. 20.
Whitehead, Robert K. (See Tilstone, G., and Whitehead.)
Whymper, Robert, New York, N. Y., assignor to The National Sugar Refining Company, Edgewater, N. J. Sugar composition. 2,299,287; Oct. 20.
Whymper, Robert, New York, N. Y., assignor to The National Sugar Refining Company, Edgewater, N. J. Sugar. 2,299,288; Oct. 20.
Wilcolator Company, The. (See Burch, Lyndon W., assignor.)
Wilkerson, Jefferson R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal repeater. 2,299,264; Oct. 20.
Willcox & Gibbs Sewing Machine Company. (See Townsend, N. F., and Tamburro, assignors.)
Willer, Edward A., Washington, D. C. Illuminated display device. 2,299,672; Oct. 20.
Willers, Theodor, Berlin, Germany; vested in the Alien Property Custodian. High frequency coil with mass core. 2,299,605; Oct. 20.
Willey, C. W. (See Newman, Charles G., assignor.)
Williams, Louis R., West Hollywood, assignor of one-half to R. T. Avard, San Gabriel, Calif. Grooving machine. 2,299,198; Oct. 20.
Winders, Charles D., Salina, Kans. Printing press gauge pin. 2,299,289; Oct. 20.
Winthrop Chemical Company. (See Mietzsch, F., and Bauer, assignors.)
Wintritz, George, Staten Island, N. Y., assignor to Conmar Products Corporation, Bayonne, N. J. Making slide fasteners. 2,299,606; Oct. 20.
Wiremold Company, The. (See La Ducer, Arthur O., assignor.)
Wood, Alfred B., Chicago, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pneumatic horn device. 2,299,447; Oct. 20.
Wood, Augustus, assignor to General Machinery Corporation, Hamilton, Ohio. Journal turning, quartering, and crank pin turning machine. 2,299,290; Oct. 20.
Wood Conversion Company. (See Heritage, C. C., and Walter, assignors.)
Wood, Fremont E., Matahambre, Cuba. Motor vehicle steering booster. 2,299,199; Oct. 20.
Wood, Gar, Industries, Inc. (See Barrett, Edward R., assignor.)
Wood, Gar, Industries, Inc. (See Wood, George B., assignor.)
Wood, George B., assignor to Gar Wood Industries, Inc., Detroit, Mich. Load packer construction. 2,299,368; Oct. 20.
Wright, Roscoe M. (See Mundinger, Harvey A., assignor.)
Yankee Metal Products Corp. (See Reed, Daniel E., assignor.)
Yant, William P., assignor to Mine Safety Appliance Company, Pittsburgh, Pa. Making extensible conduit. 2,299,520; Oct. 20.
Yeomans, Lucien I., Chicago, Ill., assignor to E. W. Bliss Company, Brooklyn, N. Y. Bearing. 2,299,119; Oct. 20.
Young, L. A., Spring & Wire Corporation. (See Young, Leonard A., assignor.)
Young, Leonard A., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Garment hanger. 2,299,369; Oct. 20.
Young, Leonard A., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Garment hanger. 2,299,370; Oct. 20.
Youngstown Steel Door Company, The. (See Beauchamp, Wilfred A., assignor.)
Yuba Manufacturing Company. (See Hampton, John E., assignor.)
Zam, Nicholas J., Toledo, Ohio, assignor of thirty per cent to A. J. Kairis and thirty per cent to G. Van Westrienen, Detroit, Mich. Battery terminal. 2,299,291; Oct. 20.
Zierden, Frank P., St. Francis, Wis. Hose reel. 2,299,521; Oct. 20.
Zimmerman, Herbert L. (See Rubinstein, H. W., and Zimmerman.)
Zolkind, Abram, Brooklyn, assignor to Nathan Flomenhaft, Abram Zolkind and Irving Solomon, a partnership doing business as Manhattan Novelty Company, New York, N. Y. Combined traveling and correspondence case. 2,299,673; Oct. 20.
Zwack, Raymond T. (See MacNeil, C. I., and Zwack.)
Zwicky, Jean, Burnham, England. Pump and filter therefor. 2,299,448; Oct. 20.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Composition capable of inhibiting agglutination or hemolysis in blood. E. Witebsky and N. C. Klendshoj. Re. 22,208; Oct. 20.
Hydrocarbons, Manufacture of high antiknock. A. R. Goldsby. Re. 22,205; Oct. 20.
Mechanism for imparting rectilinear reciprocating movement to members such as vehicle windows. J. B. Parsons. Re. 22,206; Oct. 20.
Metal alloys, especially for tools, Production of hard. P. Schwarzkopf. Re. 22,207; Oct. 20.
Metal inserts for brake shoes and similar castings, Production of expanded. W. S. Fraula. Re. 22,204; Oct. 20.

LIST OF PLANT INVENTIONS

Plant, Carnation. F. N. J. Klug. 553; Oct. 20.
Plant, Rose. L. B. Coddington. 552; Oct. 20.

LIST OF DESIGN INVENTIONS

Amusement device, Animated. M. B. Litwin. 134,115; Oct. 20.
Automotive dump wagon. R. G. Le Tourneau. 134,158; Oct. 20.
Basket, Clothes. F. I. Kyle. 134,134; Oct. 20.
Battery charger and tester, Combined. C. G. Sherman and W. P. Ryan. 134,136; Oct. 20.
Broom, Whisk. E. L. Smith. 134,141; Oct. 20.
Buckle. C. M. Smith. 134,137–8; Oct. 20.
Card, Display. W. P. Goshorn. 134,114; Oct. 20.
Deck of playing cards. C. S. Demorest. 134,118; Oct. 20.
Dickey blouse, Combination. T. Katzman. 134,121; Oct. 20.
Display stand for fabrics or the like. A. Bersin and L. Samuels. 134,110; Oct. 20.
Door stop. J. Adler. 134,108; Oct. 20.
Drafting instrument. J. A. Truhon. 134,142; Oct. 20.
Dress. A. L. S. Carroll. 134,143–4; Oct. 20.
Dress. N. Carson. 134,145; Oct. 20.
Dress. N. Carson. 134,150–1; Oct. 20.
Dress. N. Carson. 134,157; Oct. 20.
Dress. S. Franklin. 134,146; Oct. 20.
Dress. S. Franklin. 134,152; Oct. 20.
Dress. K. Rost. 134,154; Oct. 20.
Dress. V. Steinberg. 134,155; Oct. 20.
Dress or similar article. M. M. Breskin. 134,149; Oct. 20.
Emblem, Applique. I. A. Roth. 134,122; Oct. 20.
Fabric or similar article, Textile. H. A. Lehmann. 134,148; Oct. 20.
Fabric or similar article, Textile. E. Sonntag. 134,159; Oct. 20.
Fabric or similar article, Textile. M. A. Susi. 134,156; Oct. 20.
Fire truck body. L. Aker. 134,126–7; Oct. 20.
Hemoglobinometer. A. A. Gradisar, M. G. Brown, W. F. Peck, and J. T. Armbruster. 134,132; Oct. 20.
Holder, Condiment. A. J. Flauder. 134,112; Oct. 20.
Holder, Condiment. A. J. Flauder. 134,113; Oct. 20.
Inhaler. P. A. Derham and J. H. Newport, Jr. 134,131; Oct. 20.
Jacket or similar article. S. S. Kaufman. 134,153; Oct. 20.
Lapel watch and reflector button, Combined. A. B. Shawl. 134,135; Oct. 20.
Linoleum or similar article. A. E. Lawrence. 134,147; Oct. 20.
Mask for stuffed toys or similar article. J. Swedlin. 134,116–17; Oct. 20.
Medal or similar article. M. Di Sanza. 134,119; Oct. 20.
Paper, Wrapping. J. W. Elder. 134,139–40; Oct. 20.
Rack, Curtain display. A. Bersin and L. Samuels. 134,109; Oct. 20.
Rack, Curtain display. A. Bersin and L. Samuels. 134,111; Oct. 20.
Radiator grille for an automobile. E. E. Anderson. 134,128; Oct. 20.
Radiator grille for a truck. W. O. Block. 134,129; Oct. 20.
Sled. J. H. Burr. 134,130; Oct. 20.
Support for a cigarette lighter or the like. I. Florman. 134,120; Oct. 20.
Toy or similar article, Stuffed. J. Swedlin. 134,123–5; Oct. 20.
Window lock. J. K. Havens. 134,133; Oct. 20.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accumulator, Pressure. W. H. Clark. 2,299,611; Oct. 20.
Acoustic apparatus. G. Giannini. 2,299,620; Oct. 20.
Acoustic filter. H. K. Schilling. 2,299,112; Oct. 20.
Activation of petroleum adsorbents. T. P. Simpson, J. W. Payne and P. D. Valas. 2,299,258; Oct. 20.
Adjustable boat seat. L. Reiter. 2,299,178; Oct. 20.
Air cleaner. R. Marshall, Jr. 2,299,332; Oct. 20.
Air conditioning apparatus. C. S. Cody and R. D. Heitchue. 2,299,527; Oct. 20.
Air conditioning system. R. B. P. Crawford. 2,299,531; Oct. 20.
Air conditioning system. W. L. McGrath. 2,299,335; Oct. 20.
Air treating apparatus. H. A. Faber. 2,299,217; Oct. 20.
Aircraft, Destroying. S. P. Johnson. 2,299,327; Oct. 20.
Alkyl phenols, Purification of. S. B. Thomas and W. C. Smith. 2,299,437; Oct. 20.
Alloy: *See*—
Lead alloy.
Alloy. C. S. Sivil and E. O. Liebig. 2,299,114; Oct. 20.
Amino phenyl anthraquinone, Making an. P. Kränzlein. 2,299,240; Oct. 20.
Aminotriazines, Production of. W. H. Hill. 2,299,274; Oct. 20.
Amplifier, Ground noise reduction. R. J. Ehret. 2,299,385; Oct. 20.
Amplifier, Wearable microphone. A. B. Mundel and H. W. Koren. 2,299,558; Oct. 20.
Angle bending machine. W. M. Goldsmith and W. H. Kappes. 2,299,537; Oct. 20.
Antenna, Directional. D. G. C. Luck. 2,299,585; Oct. 20.
Antenna unit, Adjustable dipole. A. Fener. 2,299,218; Oct. 20.
Apparatus. J. D. Hulsmann. 2,299,238; Oct. 20.
Apparatus and method for taking and projecting pictures. J. S. Conant. 2,299,682; Oct. 20.
Apparatus for casting slags. H. L. Rogers and G. B. Price. 2,299,072; Oct. 20.
Apparatus for cleaning tubes. A. B. Carpmail. 2,299,523; Oct. 20.
Apparatus for controlling the condition of material. D. Crampton. 2,299,529; Oct. 20.
Apparatus for correlating welding pressures and currents. S. M. Humphrey. 2,299,543; Oct. 20.
Apparatus for drying thread or the like. L. J. Jordan and C. C. Walters. 2,299,239; Oct. 20.
Apparatus for electric conductance cooking. E. L. Griffith. 2,299,088; Oct. 20.
Apparatus for engraving recticules. J. O. Blubm. 2,299,075; Oct. 20.
Apparatus for fingerprinting. A. Rahn. 2,299,652; Oct. 20.
Apparatus for producing refrigerants. E. H. Spiegl. 2,299,414; Oct. 20.
Apparatus for silencing air intakes of internal combustion engines. W. W. Lowther. 2,299,157; Oct. 20.
Apparatus for spreading material over large surfaces. M. Vogel-Jorgensen. 2,299,442; Oct. 20.
Appliance, Domestic. D. K. Ferris. 2,299,688; Oct. 20.
Applicator, Fluid control. E. L. Hollenbeck and J. W. Lucas, Jr. 2,299,236; Oct. 20.
Applicator, Putty. H. F. Sergeant. 2,299,352; Oct. 20.
Arrangement for bearing and journal assemblies in automatic gyro control pilots, Compensator. R. M. Heintz and B. G. Carlson. 2,299,231; Oct. 20.
Arrangement for varying the band width in high frequency circuits. W. Mennerich, O. Siepke, and A. Schaaf. 2,299,337; Oct. 20.
Attachment construction, Taper. C. A. Bickel. 2,299,677; Oct. 20.
Attachment for hens' nests, Closure. M. H. Carpenter. 2,299,680; Oct. 20.
Attachment for machine tools. E. P. Bullard, III, and A. C. Lindmark. 2,299,302; Oct. 20.
Attachment for vises, Work holding. E. Kochorosky. 2,299,632; Oct. 20.
Automatically operated valve. A. B. Newton. 2,299,404; Oct. 20.
Awning arm, Center pivot tension. F. A. Anton 2,299,067; Oct. 20.
Axle journal lateral motion device, Railway. J. C Travilla, Jr. 2,299,560; Oct. 20.
Axminster setting frame. M. B. Penman and J. Lyle 2,299,587; Oct. 20.
Balancing mechanism. O. Malcher. 2,299,586; Oct. 20.
Bali cock device. B. Svirsky. 2,299, 706; Oct. 20.
Balls, Process and apparatus for covering. W. E. Humphrey. 2,299,544; Oct. 20.
Band, Locking. W. F. Gruber. 2,299,697; Oct. 20.
Bar hanger. M. B. Austin, Jr. 2,299,676; Oct. 20.
Bar structure, Dowel. C. H. Westcott. 2,299,670; Oct. 20.
Barrel or drum, Sheet metal. E. E. Shanor. 2,299,183; Oct. 20.
Battery terminal. N. J. Zam. 2,299,291; Oct. 20.
Beam hanger. R. A. Delay. 2,299,684; Oct. 20.
Bearing: *See*—
Thrust bearing.
Bearing. L. I. Yeomans. 2,299,119; Oct. 20.
Bearing for railway car bodies, Side. H. H. Shaffer. 2,299,600; Oct. 20.
Bed commode chair. J. B. Michon. 2,299,640; Oct. 20.
Benzenesulphonamide compounds. F. Mietzsch and K. Bauer. 2,299,555; Oct. 20.
Benzol wash oil or the like, Treatment of enriched. A. Schmalenbach. 2,299,283; Oct. 20.
Bib, Napkin. S. T. Heyser. 2,299,232; Oct. 20.
Billets, Method and apparatus for forging. W. P. Muir. 2,299,105; Oct. 20.
Binding strip affixing device. A. W. Engel. 2,299,266; Oct. 20.
Bitumina and allied substances, Treatment of. L. D'Antal. 2,299,469; Oct. 20.
Blade dispenser. N. Testi. 2,299,436; Oct. 20.
Blade, Razor. G. Monnet. 2,299,104; Oct. 20.
Blanket fastener. P. E. Allen. 2,299,371; Oct. 20.
Blind, shutter, and the like, Locking type. A. D. Knox. 2,299,095; Oct. 20.
Board: *See*—
Knife guard and reminder board.
Market quotation board.
Roof and running board.
Boat, Collapsible. E. Dormoy. 2,299,131; Oct. 20.
Bobbin case for sewing machines. D. H. Chason. 2,299,524; Oct. 20.
Bomb sight. F. W. Durgin. 2,299,313; Oct. 20.
Bottle carrier. R. M. Holmes. 2,299,625; Oct. 20.
Box: *See*—
Collapsible box.
Outlet box.
Fishing tackle box.
Bracket, Adjustable. A. C. Perbal. 2,299,251; Oct. 20.
Brake: *See*—
Fluid pressure brake.
Water cooled brake.
Brake. L. S. Sheldrick and H. G. Ferguson. 2,299,412; Oct. 20.
Brake control means. C. C. Farmer. 2,299,476; Oct. 20.
Brake mechanism, Hand. E. C. Mersereau. 2,299,402; Oct. 20.
Brake mechanism, Truck. J. C. McCune. 2,299,484; Oct. 20.
Brush holder for dynamoelectric machines. A. E. Buerosse. 2,299,376–7; Oct. 20.
Brushes and machines for practicing the method, Tufting. H. Cave. 2,299,709; Oct. 20.
Bucket, Clamshell. E. J. Scheib. 2,299,255; Oct. 20.
Building construction. H. L. Rogers and G. B. Price. 2,299,071; Oct. 20.
Building jack, Combination. W. Hetky. 2,299,323; Oct. 20.
Bulb flashing device for photographic purposes. A. H. Rosenthal. 2,299,497; Oct. 20.
Bumper and license plateholder. A. S. Thompson. 2,299,359; Oct. 20.
Butter, System for producing. P. A. van der Meulen and D. Levowitz. 2,299,440; Oct. 20.
Buttering machine. A. W. Kiehn. 2,299,326; Oct. 20.
Button, Plastic. F. G. Purinton. 2,299,494; Oct. 20.
Button, Reinforced plastic. F. G. Purinton. 2,299,493; Oct. 20.
Cabinet: *See*—
Telephone and advertising cabinet.
Television receiver cabinet
Cable connector. J. S. Berg. 2,299,206; Oct. 20.
Cable controlled dump body for semitrailers. E. R. Barrett. 2,299,372; Oct. 20.
Calendar for pencil cases. B. Halperin and D. Jedwabnik. 2,299,698; Oct. 20.
Can end assembling machine. W. Pechy. 2,299,106; Oct. 20.
Can making machine. F. Krueger. 2,299,097; Oct. 20.
Car: *See*—
Sleeping car.
Car door lifting mechanism. W. A. Beauchamp. 2,299,297; Oct. 20.

Card support. R. Connor and D. A. Nevin. 2,299,566; Oct. 20.
Carrier: *See*—
Battle carrier.
Case: *See*—
Travelling and correspondence case.
Casing mill. R. E. Conner. 2,299,528; Oct. 20.
Casting rule holding unit for stamping forms. W. C. Toland. 2,299,191; Oct. 20.
Catalytic halo-substitution of saturated organic compounds. W. E. Vaughan and F. F. Rust. 2,299,441; Oct. 20.
Catalytic production of olefine-sulphur dioxide compounds of high molecular weight. F. E. Frey, R. D. Snow, and W. A. Schulze. 2,299,220–23; Oct. 20.
Catalytic unit. H. F. West. 2,299,197; Oct. 20.
Catalyzed hydrobromination of unsaturated organic compounds. F. Rust and W. E. Vaughan. 2,299,411; Oct. 20.
Cell, Electrolytic. H. Waterman. 2,299,667; Oct. 20.
Cellulose, Manufacture of. H. Dreyfus. 2,299,132; Oct. 20.
Cellulosic fabrics, Treatment of. P. Adams. 2,299,200; Oct. 20.
Chain link forming machine. R. S. Miller. 2,299,486; Oct. 20.
Chair: *See*—
Bed commode chair.
Chair with combined rocking and tilting action. J. Goldstein. 2,299,538; Oct. 20.
Check, No-slip parting. H. Staley. 2,299,115; Oct. 20.
Chime mechanism. W. G. Rex. 2,299,591; Oct. 20.
Chipper, Log. P. N. Ottersland. 2,299,248; Oct. 20.
Chlorination of organic compounds. A. G. Chenicek. 2,299,069; Oct. 20.
Chlorine manufacture. L. Rosenstein. 2,299,427; Oct. 20.
Christmas tree holder. C. Trabing. 2,299,515; Oct. 20.
Chromium and chromium alloys and for preparing electrodes therefor, Building up. H. F. A. Lübbe and E. Kruppa. 2,299,483; Oct. 20.
Circuit interrupter. J. M. Wallace. 2,299,196; Oct. 20.
Circuits for grid controlled gas filled electron tubes. F. G. Hallden. 2,299,272; Oct. 20.
Circuits. High-frequency amplifying. A. van der Ziel and M. J. O. Strutt. 2,299,366; Oct. 20.
Clamp: *See*—
Guy rod grounding clamp.
Clamp device. D. E. Reed. 2,299,280; Oct. 20.
Clamp for boatbuilding. L. P. Burch. 2,299,303; Oct. 20.
Clamp for mounting fittings in conduits, Supporting. A. O. La Ducer. 2,299,153; Oct. 20.
Cleaner: *See*—
Air cleaner.
Clip: *See*—
Locking paper clip. Spring clip.
Clock. R. H. Whitehead. 2,299,519; Oct. 20.
Closing apparatus, Bay. J. J. Newman. 2,299,423; Oct. 20.
Closure for roof hatches. G. Fink. 2,299,317; Oct. 20.
Clutch operating mechanism. J. L. Giffen and R. A. Freeman. 2,299,621; Oct. 20.
Coating. J. L. Krieger. 2,299,096; Oct. 20.
Coating composition, Fusible. C. C. Heritage and H. E Walter. 2,299,144; Oct. 20.
Coating for electric lamps, Luminescent. G. E. Holman. 2,299,720; Oct. 20.
Coating for paper. B. K. Green. 2,299,693; Oct. 20.
Code printer, Keyboard. L. M. Potts. 2,299,107; Oct. 20.
Coil binder. R. Tauber. 2,299,715; Oct. 20.
Coil form and the like. J. B. Seever. 2,299,113; Oct. 20.
Coil handling apparatus. E. M. Chandler and P. J. Castora. 2,299,458; Oct. 20.
Coil with mass core, High frequency. T. Willers. 2,299,605; Oct. 20.
Coke from coke stills, Removing. L. de Florez. 2,299,718; Oct. 20.
Collapsible box. P. S. Procissi and R. W. Butler. 2,299,175; Oct. 20.
Collapsible boxes, Method of and apparatus for making. H. S. Labombarde. 2,299,098; Oct. 20.
Collar. H. Berman. 2,299,453; Oct. 20.
Colostomy appliance. M. E. Shirey. 2,299,431; Oct 20.
Combination switch. C. G. Kronmiller. 2,299,580; Oct. 20.
Commodities, Conditioning. F. J. Reilly. 2,299,177; Oct. 20.
Composition for use in mortar bonding glass and the like articles. R. R. McGregor and E. L. Warrick. 2,299,552; Oct. 20.
Compound applicator. Drawing. A. E. Rowlands and M. M. Clemons. 2,299,350; Oct. 20.
Concealed fixture support. G. A. Hallenscheid. 2,299,320; Oct. 20.
Condenser: *See*—
Electric condenser. Electrical condenser.
Conduit, Making extensible. W. P. Yant. 2,299,520; Oct. 20.
Connector: *See*—
Cable connector. Valved connector.
Swivel connector.
Container: *See*—
Expansible container. Shipping container.
Container. W. A. Clanon. 2,299,461; Oct. 20.
Container. H. A. Eggerss. 2,299,616; Oct. 20.
Container. J. M. Hothersall 2,299,091; Oct. 20.
Container. H. Sebell. 2,299,503; Oct. 20.
Container and producing the same. J. M. Hothersall. 2,299,090; Oct. 20.
Container construction. F. Neuschaefer. 2,299,277; Oct. 20.
Control device. E. P. Sexton. 2,299,430; Oct. 20.
Control for plug valves, Counterpressure. A. S. Volpin. 2,299,517; Oct. 20.
Control system. E. D. Schneider. 2,299,501; Oct. 20.
Control system for miniature aircraft, Flight. F. Lohse. 2,299,582; Oct. 20.
Control valve. A. Bereny. 2,299,074; Oct. 20.
Conveying and elevating machine, Automatic. V. Finston. 2,299,618; Oct. 20.
Conveying apparatus. C. O. Davis. 2,299,470; Oct. 20.
Conveyor and feed mechanism, Wrapping machine. W. H. Sergent. 2,299,504; Oct. 20.
Coring and cleaning machine, Pimento. R. P. Geren and E. R. Vick. 2,299,137; Oct. 20.
Coupler support. H. K. Harwick. 2,299,541; Oct. 20.
Coupling: *See*—
Rotary hose coupling.
Coupling. W. C. Trautman. 2,299,193; Oct. 20.
Coupling for rods and tubes. K. G. Strunk and W. D. Dayton. 2,299,357; Oct. 20.
Cover for storage batteries, Cell. R. G. Simms and P. J. Harriman. 2,299,507; Oct. 20.
Crib, Baby. A. G. Feldman. 2,299,136; Oct. 20.
Crude from enriched benzol wash oil, Recovery of high-grade. A. Schmalenbach. 2,299,282; Oct. 20.
Cutter: *See*—
Seed potato cutter.
Cutting and scoring mechanism, Rotary. J. A. Parks, Jr., and J. W. Batchelder. 2,299,650; Oct. 20.
Cutting tools, Making. A. J. Bevillard. 2,299,207; Oct. 20.
Cylinder cap locking and sealing means. W. E. Greene. 2,299,695; Oct. 20.
Deaeration apparatus. J. R. McDermet. 2,299,550; Oct. 20.
Dental drill. R. Kestler. 2,299,151; Oct. 20.
Dental fillings, Method and means for producing. E. L. Chott. 2,299,265; Oct. 20.
Derrick, Portable. R. H. Crow. 2,299,383; Oct. 20.
Detector, Frequency. J. R. Pierce. 2,299,252; Oct. 20.
Developizer from natural pyrolusite, Manufacturing a highly active. C. Rossetti. 2,299,428; Oct. 20.
Device for aligning automobile wheels. H. E. Goetz. 2,299,087; Oct. 20.
Device for enclosures, Admission and use recording. G. T. Plummer. 2,299,174; Oct. 20.
Device for handling articles. E. Hart. 2,299,539; Oct. 20.
Device for making duplicator master tapes. I. U. Morris. 2,299,557; Oct. 20.
Device for testing thin rubber articles. J. R. Gammeter. 2,299,270; Oct. 20.
Diaphragm construction. R. C. Allen. 2,299,449; Oct. 20.
Dicer, Vegetable. T. R. Johnson. 2,299,092; Oct. 20.
Die sets, Separating. J. L. Schwabe, Jr. 2,299,703; Oct. 20.
Diolefins having conjugated double bonds, Halogenation of. G. W. Hearne and D. S. LaFrance. 2,299,477; Oct. 20.
Disc louver. I. Kirlin. 2,299,276; Oct. 20.
Discharge device for ash receptacles. R. A. Webster. 2,299,668; Oct. 20.
Discharger for pyrotechnic cartridges. J. C. Garand. 2,299,086; Oct. 20.
Discharger for pyrotechnic cartridges. J. L. Lochhead and M. C. Benner. 2,299,100; Oct. 20.
Discriminator, Frequency. N. I. Korman. 2,299,581; Oct. 20.
Dispenser: *See*—
Blade dispenser. Roll dispenser.
Dispensing apparatus. W. Tamminga. 2,299,435; Oct. 20.
Display device. A. F. Clark. 2,299,610; Oct. 20.
Display device, Illuminated. E. A. Willer. 2,299,672; Oct. 20.
Distributing apparatus. S. E. Boynton. 2,299,678; Oct. 20.
Door lock. W. R. Schlage. 2,299,180; Oct. 20.
Door lock. E. G. Simpson. 2,299,353; Oct. 20.
Door unlocker for motor vehicles, Electric operated. H. A. Muller. 2,299,646; Oct. 20.
Dovetailing machine. M. M. Teague. 2,299,602; Oct. 20.
Drill: *See*—
Dental drill.
Drilling apparatus, Oil well. A. R. Maier. 2,299,548; Oct. 20.
Drilling rotary, Well. A. R. Maier and J. M. Shimer. 2,299,549; Oct. 20.
Drive, Quill. J. Ledwinka and J. F. D. Smith. 2,299,099; Oct. 20.
Driving connection for surgical instruments. S. L. Fisher. 2,299,268; Oct. 20.

Drum and the like, Winding. F. H. Hoge and J. A. Marland. 2,299,478; Oct. 20.
Drum for the drying of felts, Drying. W. Thaler. 2,299,662; Oct. 20.
Dual agency washer. W. Rocke. 2,299,495; Oct. 20.
Dump body lift or the like. A. J. Stearns. 2,299,187; Oct. 20.
Dust removing means for feeders. L. E. Harper. 2,299,623; Oct. 20.
Dyestuffs and preparing same, Vat. H. Hauser and M. Bommer. 2,299,142; Oct. 20.
Dynamoelectric control system. C. C. Hutchins and F. G. Logan. 2,299,325; Oct. 20.
Electric condenser. D. E. Gray and J. O. Ollier. 2,299,228; Oct. 20.
Electric control apparatus. H. F. Elliott. 2,299,082; Oct. 20.
Electric heating device. J. L. Rycroft. 2,299,596; Oct. 20.
Electric shaver. R. Knopp. 2,299,482; Oct. 20.
Electric wave transmission system. H. R. Moore. 2,299,487; Oct. 20.
Electric welding torch. B. L. Casner. 2,299,679; Oct. 20.
Electrical apparatus. H. Klemperer. 2,299,094; Oct. 20.
Electrical condenser. F. W. Godsey, Jr. 2,299,271; Oct. 20.
Electrical conductors, Manufacture of. H. F. Fruth. 2,299,689; Oct. 20.
Electrical ignition apparatus. F. Miess. 2,299,642; Oct. 20.
Electrical switch. A. C. Perbal. 2,299,250; Oct. 20.
Electrically heated sinus pad. L. Marick. 2,299,162; Oct. 20.
Electroacoustical apparatus. H. F. Olson. 2,299,342; Oct. 20.
Electromagnetic motor switch. J. White. 2,299,671; Oct. 20.
Energy translation utilizing pyroelectricity. L. J. Sivian. 2,299,260; Oct. 20.
Engine starter gearing. E. E. Baldwin. 2,299,201; Oct. 20.
Engine temperature regulator. J. E. Hampton. 2,299,321; Oct. 20.
Expansible container. J. F. Schoof. 2,299,182; Oct. 20.
Extension unit for door locks, Backset. W. R. Schlage. 2,299,181; Oct. 20.
Extraction. T. W. Rosebaugh. 2,299,426; Oct. 20.
Eyeglass lenses, Method and apparatus for marking edges of rimless. H. L. Prange. 2,299,405; Oct. 20.
Fabric: *See*—
Fire resistant composition and fabric
Fastener: *See*—
Blanket fastener. Rail fastener.
Gang channel fastener. Screen fastener.
Positively locking fastener.
Fasteners, Making slide. G. Wintritz. 2,299,606; Oct. 20.
Feeder: *See*—
Pneumatic feeder.
Ferrous bodies, Treatment of. J. R. McElhaney. 2,299,639; Oct. 20.
File drawer follower. T. J. Eppes. 2,299,134; Oct. 20.
Filling device for electrolytic cells, Automatic. R. Jardine. 2,299,545; Oct. 20.
Filter: *See*—
Acoustic filter.
Filter. W. J. Uhlhorn. 2,299,364; Oct. 20.
Filter and pneumatic pressure tank, Combined. J. Strong. 2,299,415; Oct. 20.
Finishing tool. H. Lyon. 2,299,159; Oct. 20.
Fire resistant composition and fabric. E. C. Clayton and L. L. Heffner. 2,299,612; Oct. 20.
Fishing reel. F. C. A. Lind. 2,299,156; Oct. 20.
Fishing tackle box. W. J. Bruske. 2,299,375; Oct. 20.
Fitting. J. E. Averbach. 2,299,607; Oct. 20.
Flashlight. L. L. Johnson. 2,299,148; Oct. 20.
Flashlight, Mouth-support. F. J. Colby. 2,299,467; Oct. 20.
Flatiron. A. M. Dickie. 2,299,569–70; Oct. 20.
Flowmeter. D. M. Potter. 2,299,406; Oct. 20.
Fluid lift pump. W. L. Church. 2,299,304; Oct. 20.
Fluid pressure brake. C. H. McKinstry. 2,299,485; Oct. 20.
Fluid pressure remote control system. E. C. S. Clench. 2,299,211; Oct. 20.
Foodstuffs, Treating. W. de Back. 2,299,080; Oct. 20.
Footrest for embalming tables. W. H. Cawood. 2,299,127; Oct. 20.
Form for paving blocks. G. W. Forsberg. 2,299,318; Oct. 20.
Frame: *See*—
Axminster setting frame.
Frame support. B. O. Walmsley. 2,299,443; Oct. 20.
Friction drive mechanism. A. F. Groll. 2,299,387; Oct. 20.
Fuel injector for internal combustion engines. G. A. Bell. 2,299,452; Oct. 20.
Fungicidal composition. C. L. Welrich. 2,299,604; Oct. 20.
Furnace: *See*—
Water cooled furnace.
Furnace construction, Annealing. W. J. Krailing. 2,299,546; Oct. 20.
Furnaces, Sealing and insulating glass. E. T. Ferngren. 2,299,084; Oct. 20.
Gang channel fastener. R. W. Luce. 2,299,158; Oct. 20.
Garment, Athletic. W. L. Childs. 2,299,681; Oct. 20.
Garment hanger. L. A. Young. 2,299,369–70; Oct. 20.
Garment spotting appliance. G. L. Lambert. 2,299,634; Oct. 20.
Garment, Woman's shoulder-supported. E. B. Clark. 2,299,463; Oct. 20.
Gas valve. P. S. Harper. 2,299,624; Oct. 20.
Gas valve. G. F. Turner, V. C. Peterson, and D. W. Ross. 2,299,665; Oct. 20.
Gas valve. G. F. Turner and V. C. Peterson. 2,299,666; Oct. 20.
Gas water heater. W. I. Battin. 2,299,122; Oct. 20.
Gauge: *See*—
Pressure gauge.
Gauge for ships, Draft. E. S. and J. R. Cole. 2,299,077; Oct. 20.
Gear and aircraft gun recoil mechanism, Combination landing. C. C. Goetz. 2,299,227; Oct. 20.
Gear mechanism, Reversing. T. A. Carlson and C. Biller. 2,299,563; Oct. 20.
Generating unit and igniting means therefor, Power. R. A. Coffman. 2,299,466; Oct. 20.
Generator: *See*—
Steam generator.
Geographic position indicator, Electrically compensated. I. E. Elm. 2,299,083; Oct. 20.
Glove. P. I. Wheeler. 2,299,118; Oct. 20.
Golf ball hopper and dispensing device. J. Mozel. 2,299,403; Oct. 20.
Grain storage and treating tank. C. H. Bills. 2,299,299; Oct. 20.
Grinding machine. J. C. Cantley. 2,299,126; Oct. 20.
Grooving machine. L. R. Williams. 2,299,198; Oct. 20.
Guanylurea compounds, Stabilized diazo. P. P. McClellan and W. P. Ericks. 2,299,244–5; Oct. 20.
Guard, Candle. J. M. Powers. 2,299,108; Oct. 20.
Guards for attachment to automobile bumpers, Making. E. C. Amsden. 2,299,121; Oct. 20.
Gun. W. F. Beasley. 2,299,073; Oct. 20.
Guy rod grounding clamp. D. C. Hubbard. 2,299,146; Oct. 20.
Gyroscopic device. G. Z. von Manteuffel. 2,299,117; Oct. 20.
Gyroscopic instrument. G. Tilstone and R. K. Whitehead. 2,299,663; Oct. 20.
Hair operator's instrument. J. J. Battle. 2,299,295–6; Oct. 20.
Hanger: *See*—
Bar hanger. Garment hanger.
Beam hanger.
Harness, Wire. E. R. Hanson. 2,299,140; Oct. 20.
Hat. H. Skreberg. 2,299,432; Oct. 20.
Heat exchanger. R. A. Bowman and J. P. Rathbun. 2,299,455; Oct. 20.
Heat treating of steel. J. R. Gier, Jr. 2,299,138; Oct. 20.
Heat treatment, Hardenable steel. H. J. Elmendorf. 2,299,685; Oct. 20.
Heater: *See*—
Gas water heater.
Heating device, Electrical oil. W. L. Melton. 2,299,401; Oct. 20.
Heating system. M. E. Fiene. 2,299,574; Oct. 20.
Heel forming and attaching. A. E. Ushakoff. 2,299,195; Oct. 20.
Heel seats of insoles, Preparing the. H. McGrory. 2,299,336; Oct. 20.
Holder: *See*—
Christmas tree holder. Pad holder.
Holding device. C. Kralicek and F. J. Andel. 2,299,397; Oct. 20.
Holding device, Work. E. Barnes. 2,299,294; Oct. 20.
Hopper, Portable. J. H. Mosel. 2,299,702; Oct. 20.
Horn device, Pneumatic. A. B. Wood. 2,299,447; Oct. 20.
Hose jack. G. C. Jordan. 2,299,629; Oct. 20.
Hose reel. F. P. Zierden. 2,299,521; Oct. 20.
Hydraulic apparatus for opening, closing, and locking doors, and the like. R. E. Peterson. 2,299,345; Oct. 20.
Hydraulic brake hose. E. S. MacPherson. 2,299,160; Oct. 20.
Hydraulic press. W. Ernst. 2,299,686; Oct. 20.
Hydraulic pump. I. J. Snader and M. A. Mathys. 2,299,235; Oct. 20.
Hydraulic pump and control means therefor. I. J. Snader and M. A. Mathys. 2,299,234; Oct. 20.
Hydraulic valve. H. F. Frimel. 2,299,719; Oct. 20.
Hydrocarbons, Production of hydroaromatic. A. J. van Peski. 2,299,716; Oct. 20.
Ice cubing machine. J. F. Turner and C. P. Breidenbaugh. 2,299,261; Oct. 20.
Ice remover for windshields. B. Haan. 2,299,089; Oct. 20.
Indicating means for cash registers. G. V. Nolde. 2,299,648; Oct. 20.
Indicator: *See*—
Geographic position indicator. Phonograph indicator.
Inks, Printing. D. R. Erickson and P. J. Thoma. 2,299,135; Oct. 20.
Inner tube. E. R. Mayer, Sr. 2,299,243; Oct. 20.

Internal combustion engine of the two-cycle type. H. F. Hellman. 2,299,389; Oct. 20.
Internal mixer. C. F. Schnuck and O. W. Hooker. 2,299,502; Oct. 20.
Ironing apparatus. M. B. Harter. 2,299,322; Oct. 20.
Jack: *See*—
Building jack. Hose jack.
Joint: *See*—
Universal joint.
Journal turning, quartering, and crank pin turning machine. A. Wood. 2,299,290; Oct. 20.
Juice from fruits and vegetables, Extracting. R. B. McKinnis. 2,299,553; Oct. 20.
Key puller. C. J. Janousek. 2,299,147; Oct. 20.
Knife guard and reminder board, Combination. W. M. Schilling. 2,299,597; Oct. 20.
Ladder, Folding. O. M. Low. 2,299,584; Oct. 20.
Lamp shade and supporting mechanism therefor. H. T. Paiste. 2,299,278; Oct. 20.
Lawn incision method. J. D. Cain. 2,299,378; Oct. 20.
Lawn mower attachment. C. H. Day. 2,299,384; Oct. 20.
Lead alloy. H. W. Gillett. 2,299,111–13; Oct. 20.
Lenses, Forming. J. A. Morehead. 2,299,488; Oct. 20.
Light: *See*—
Trouble light.
Lighting fixture. R. R. Schultz. 2,299,256; Oct. 20.
Lightning arrester. J. Slepian and W. E. Berkey. 2,299,184; Oct. 20.
Liquid and gas contact apparatus. G. D. Dill. 2,299,130; Oct. 20.
Load packer construction. G. B. Wood. 2,299,368; Oct. 20.
Loading mechanism, Skip. M. E. First. 2,299,386; Oct. 20.
Lock: *See*—
Door lock.
Lock structure. H. Obergfell. 2,299,249; Oct. 20.
Locking paper clip. C. A. Rolfson. 2,299,496; Oct. 20.
Locomotive. M. Essl. 2,299,420; Oct. 20.
Locomotive underframe. M. Essl. 2,299,421; Oct. 20.
Lubricant. C. M. Grafton. 2,299,139; Oct. 20.
Lubricating mechanism for sewing machines. N. F. Townsend and F. P. Tamburro. 2,299,439; Oct. 20.
Machine guide, Winding. W. L. Perry. 2,299,344; Oct. 20.
Machine tool. E. E. Kelley. 2,299,630; Oct. 20.
Magnesia composition and preparing same. W. M. Perry and T. C. Pond. 2,299,721; Oct. 20.
Magnetic safety valve. C. Wantz. 2,299,286; Oct. 20.
Manicure implement. A. Hunter and A. De Stefano. 2,299,627; Oct. 20.
Manual reset valve. E. Paille. 2,299,649; Oct. 20.
Manual reset valve. W. A. Ray. 2,299,654; Oct. 20.
Market quotation board. E. H. Steidemann. 2,299,284; Oct. 20.
Marking apparatus, Skirt. P. J. M. Smith. 2,299,659; Oct. 20.
Material, Manifolding. B. K. Green. 2,299,694; Oct. 20.
Materials, Method of and apparatus for treating. M. Cornell. 2,299,307; Oct. 20.
Materials, Molding nonplastic. F. A. Bickford. 2,299,374; Oct. 20.
Maxillary mandibular relater. J. C. Taylor, Jr. 2,299,285; Oct. 20.
Measuring and dispensing machines, Salt. W. J. Emmons and B. S. Gallagher. 2,299,717; Oct. 20.
Measuring apparatus, Vibration. C. S. Draper. 2,299,081; Oct. 20.
Mechanical movement. J. T. Martin. 2,299,637; Oct. 20.
Mechanism control. W. C. Skareen. 2,299,508; Oct. 20.
Metal sheet and varnish therefor, Decorated. F. R. Stoner, Jr., and D. M. Gray. 2,299,433; Oct. 20.
Metals, Brazing light. M. A. Miller. 2,299,164–8; Oct. 20.
Meter: *See*—
Parking meter.
Meter changing water cutoff. S. Valuch. 2,299,365; Oct. 20.
Mill: *See*—
Casing mill.
Mirror, Rotary advertising. R. A. Villani. 2,299,362; Oct. 20.
Mixer: *See*—
Internal mixer.
Molded inlaid linoleum, Making. J. L. Berger. 2,299,066; Oct. 20.
Mophead. R. L. Horsley. 2,299,480; Oct. 20.
Motor control. C. P. Sweeny. 2,299,190; Oct. 20.
Motor vehicle steering booster. F. E. Wood. 2,299,199; Oct. 20.
Mounting: *See*—
Ophthalmic mounting.
Mounting stencil screen and impressing a stencil therein. L. H. Johnson and P. S. Johnson. 2,299,628; Oct. 20.
Navigational computer. L. A. Warner. 2,299,444; Oct. 20.
Neutralizing system. S. G. Johansson. 2,299,481; Oct. 20.
Nitrogenous anthraquinone derivative. H. Hauser and M. Bommer. 2,299,141; Oct. 20.
Noise suppression system. C. C. Martinelli. 2,299,333; Oct. 20.
Noise suppressor. R. S. Holmes and C. C. Martinelli. 2,299,390; Oct. 20.
Nozzle construction. W. F. Dray. 2,299,710; Oct. 20.
Nut, Self-locking. C. L. Brackett. 2,299,209; Oct. 20.
Nut, Self-locking. H. F. Gade. 2,299,085; Oct. 20.
Ophthalmic mounting. T. E. Bosworth. 2,299,708; Oct. 20.
Ore concentrator, Dry. E. Bignell. 2,299,298; Oct. 20.
Oscillator. O. S. Peters. 2,299,425; Oct. 20.
Outlet box. A. L. Gregersen. 2,299,696; Oct. 20.
Oven for coking of coal. F. Puening. 2,299,253; Oct. 20.
Oxygen regulating device. H. J. Rand. 2,299,109; Oct. 20.
Package, Candy. I. P. Steiner. 2,299,511; Oct. 20.
Package, Dispensing. M. J. Estenes. 2,299,572; Oct. 20.
Packaging machinery. H. L. Evans. 2,299,474; Oct. 20.
Packing. P. B. Hultkrans. 2,299,699; Oct. 20.
Pad: *See*—
Electrically heated sinus pad.
Pad holder. E. Gale. 2,299,319; Oct. 20.
Paper manufacture. H. G. Chatain. 2,299,459–60; Oct. 20.
Parachute. J. R. C. Quilter. 2,299,408; Oct. 20.
Parachute pack. J. R. C. Quilter. 2,299,407; Oct. 20.
Paraffin wax composition and producing same. M. Cornell. 2,299,306; Oct. 20.
Parking meter. D. C. Rockola. 2,299,349; Oct. 20.
Partition, Foldable. J. T. Fairhust. 2,299,573; Oct. 20.
Patty making machine. J. Elesh, J. F. Kopsa, and H. W. Anderson. 2,299,314; Oct. 20.
Perforator. K. Calvert. 2,299,210; Oct. 20.
Phonograph indicator. D. C. Rockola. 2,299,348; Oct. 20.
Photography and compositions and elements therefor, Color. E. B. Middleton and A. B. Jennings. 2,299,641; Oct. 20.
Piano action. J. C. Potwin. 2,299,656; Oct. 20.
Pigrings or the like. E. Chalmer and H. Taylor. 2,299,380; Oct. 20.
Pigments, Making composite. K. S. Mowlds. 2,299,170; Oct. 20.
Pigments with improved tinting strength, Making extended. K. S. Mowlds. 2,299,169; Oct. 20.
Pile construction. P. Sinnock. 2,299,413; Oct. 20.
Pin: *See*—
Printing press gauge pin.
Pipe connection. H. Hellwig. 2,299,143; Oct. 20.
Pipe-line cleaner and fluid separator, Combined. A. H. Riney and L. J. Weber. 2,299,254; Oct. 20.
Pipe testing device, Plumber's. B. Svirsky. 2,299,434; Oct. 20.
Piston cooling. R. H. Sheppard. 2,299,506; Oct. 20.
Piston ring. P. S. Lane. 2,299,399; Oct. 20.
Piston sealing device. E. Eriesson. 2,299,216; Oct. 20.
Plaster cast opening means. H. A. C. Brinkmann. 2,299,125; Oct. 20.
Plastic products. C. Snyder. 2,299,509; Oct. 20.
Plow for trash covering. E. V. Collins. 2,299,381; Oct. 20.
Plow, Rotary. G. O. Matter. 2,299,334; Oct. 20.
Plow, Snow. E. W. Austin. 2,299,451; Oct. 20.
Plug for electric outlets, Adapter. C. G. Eisenberg, Jr. 2,299,617; Oct. 20.
Plugs for conduits, Expansible. B. Svirsky. 2,299,116; Oct. 20.
Pneumatic feeder. R. R. Colburn. 2,299,565; Oct. 20.
Polymerizable composition. L. W. Codd and F. T. Hamblin. 2,299,128; Oct. 20.
Port protector. Z. F. Edmundson. 2,299,472; Oct. 20.
Positively locking fastener. A. W. Hanson. 2,299,230; Oct. 20.
Power generating unit. R. A. Coffman. 2,299,464–5; Oct. 20.
Power transmission unit. M. J. Morgan. 2,299,247; Oct. 20.
Power trim. J. M. Dickenson, Jr., and R. E. Dickenson. 2,299,129; Oct. 20.
Press: *See*—
Hydraulic press.
Pressure gauge. R. T. Hedfield. 2,299,542; Oct. 20.
Pressure oilcan. C. A. Anderson. 2,299,450; Oct. 20.
Printing and issuing machine, Ticket. T. A. Keen and J. Kilburg. 2,299,396; Oct. 20.
Printing press gauge pin. C. D. Winders. 2,299,289; Oct. 20.
Projecting apparatus, Mechanical. N. J. Quinn. 2,299,401; Oct. 20.
Projector, Picture. R. H. Dreisbach. 2,299,536; Oct. 20.
Projector, Portable. I. K. Rystedt. 2,299,657; Oct. 20.
Propeller. A. Rober. 2,299,592; Oct. 20.
Propeller control mechanism. C. I. MacNeil and R. T. Zwack. 2,299,635; Oct. 20.
Protective apparatus. M. E. Bivens. 2,299,561; Oct. 20.
Protective device for fluorescent lamp circuits. S. B. Sanford. 2,299,499; Oct. 20.
Protective means, Wood. N. T. Shideler. 2,299,601; Oct. 20.
Protector: *See*—
Port protector.
Protector for breeches. J. W. Henderson. 2,299,324; Oct. 20.
Prune processor. C. O. Smith. 2,299,658; Oct. 20.
Puller: *See*—
Key puller.
Pump: *See*—
Fluid lift pump. Hydraulic pump.
Pump. C. L. Evans. 2,299,315; Oct. 20.

Pump. J. F. Hoffer. 2,299,233; Oct. 20.
Pump and filter therefor. J. Zwicky. 2,299,448; Oct. 20.
Pump assembly. E. M. Pfauser. 2,299,492; Oct. 20.
Pump primer. B. L. Moore. 2,299,556; Oct. 20.
Pumping apparatus. E. E. Goehring. 2,299,692; Oct. 20.
Punch and support assemblage. A. C. De Lorme. 2,299,534; Oct. 20.
Punching machine, Oyster. L. Dickerson. 2,299,311; Oct. 20.
Radio communication system. C. W. Hansell. 2,299,388; Oct. 20.
Radio receiver. R. S. Holmes. 2,299,391; Oct. 20.
Radio shielded ignition means. W. J. Spengler. 2,299,714; Oct. 20.
Rail fastener. L. Spencer. 2,299,354; Oct. 20.
Railway truck. R. B. Cottrell. 2,299,419; Oct. 20.
Razor, Safety. J. W. Beckman. 2,299,204; Oct. 20.
Razor, Safety. J. Muros. 2,299,339; Oct. 20.
Razor, Safety. N. Testi. 2,299,416–17; Oct. 20.
Receptacle: *See*—
Transparent receptacle.
Receptacle and mounting therefor. M. B. Austin, Jr. 2,299,674; Oct. 20.
Record changing apparatus, Automatic. A. L. Knox and F. Kahl. 2,299,633; Oct. 20.
Rectifier, Vibratory. G. S. Tiffany. 2,299,438; Oct. 20.
Reel: *See*—
Fishing reel. Winding reel.
Hose reel.
Refractory assembly for heating plants. P. H. Lair. 2,299,154; Oct. 20.
Refrigerated display shelf. M. Rifkin. 2,299,347; Oct. 20.
Refrigerating apparatus. F. I. Rataiczak. 2,299,653; Oct. 20.
Refrigerating apparatus. D. H. Reeves. 2,299,655; Oct. 20.
Refrigeration system. R. E. Stork and R. C. Russell. 2,299,188; Oct. 20.
Refrigerator shelf. E. Swedman and H. G. Bergman. 2,299,512; Oct. 20.
Regulator: *See*—
Engine temperature regulator.
Relay, Starting. C. J. Werner. 2,299,669; Oct. 20.
Relief valve. W. L. Davis. 2,299,079; Oct. 20.
Remote control system. V. C. Macnabb. 2,299,330; Oct. 20.
Reproducing system, Noiseless sound. B. Kreuzer. 2,299,398; Oct. 20.
Reservoir for refrigerators, Cold water. K. I. Miller and I. Dunbar. 2,299,103; Oct. 20.
Resins, Treating. T. Hasselstrom, and E. A. Brennan. 2,299,577; Oct. 20.
Ring: *See*—
Piston ring.
Ring for metal containers, Locking. J. R. Proctor. 2,299,588; Oct. 20.
Roll and mounting therefor, Paper. W. V. Hunt. 2,299,626; Oct. 20.
Roll changing device. C. J. Klein. 2,299,631; Oct. 20.
Roll dispenser, Automatic. T. J. Britt and E. A. Trevino. 2,299,301; Oct. 20.
Roller, Road. E. C. Gledhill. 2,299,691; Oct. 20.
Roller, Stamp. H. S. K. Lui. 2,299,242; Oct. 20.
Roof and running board, Combined. S. J. Strid. 2,299,704; Oct. 20.
Rosin size, Stabilized dry. A. C. Dreshfield. 2,299,312; Oct. 20.
Rotary hose coupling. J. A. Muller. 2,299,171; Oct. 20.
Rotary hose coupling assembly. J. A. Muller. 2,299,172; Oct. 20.
Rotary pin-cutting tool. J. S. Hellen. 2,299,578; Oct. 20.
Rotor, Magneto. C. F. Reis. 2,299,589; Oct. 20.
Roughing machine. E. Quinn. 2,299,176; Oct. 20.
Rubber articles, Method and apparatus for making dipped. J. R. Gammeter. 2,299,269; Oct. 20.
Rubber by internally developed gases, Making closed cell expanded. D. Roberts, R. C. Bascom, and L. Cooper. 2,299,593; Oct. 20.
Rudder, Boat. G. J. Marler. 2,299,400; Oct. 20.
Rug or mat and making the same. H. Björnson. 2,299,300; Oct. 20.
Safety valve. F. E. Lange. 2,299,155; Oct. 20.
Safety valve. A. B. Webb. 2,299,367; Oct. 20.
Sandal. P. A. Sawyer. 2,299,500; Oct. 20.
Saw, Power driven bench. M. Uremovich. 2,299,262; Oct. 20.
Scoop. F. W. Thomas. 2,299,418; Oct. 20.
Screed unit. A. S. Millikin and J. H. Apel. 2,299,700; Oct. 20.
Screen fastener. H. A. Mundinger. 2,299,489; Oct. 20.
Screen material and making the same, Delay. A. Steadman. 2,299,510; Oct. 20.
Seal. N. S. Reynolds. 2,299,590; Oct. 20.
Seal, Fluid. A. J. Rosenberger. 2,299,179; Oct. 20.
Seal, Shaft. A. E. Karlberg. 2,299,395; Oct. 20.
Sealing device, Fluid. J. T. Marvin. 2,299,638; Oct. 20.
Sealing system for container closures. F. W. Sample. 2,299,281; Oct. 20.
Seat: *See*—
Adjustable boat seat.
Seed potato cutter. J. A. Cummings. 2,299,567; Oct. 20.
Selecting system. N. I. Hall. 2,299,229; Oct. 20.
Separator: *See*—
Pipe-line cleaner and fluid separator.
Shade, Window. E. F. Pidgeon. 2,299,173; Oct. 20.
Sheet delivery means. B. L. Sites. 2,299,259; Oct. 20.
Sheet material, Method of and apparatus for transferring. A. F. Giese, Jr. 2,299,690; Oct. 20.
Sheet material, Varnished. H. A. Letteron. 2,299,547; Oct. 20.
Shipping container. G. E. Stolpman. 2,299,355; Oct. 20.
Shoe. F. F. Audino. 2,299,293; Oct. 20.
Shoe construction and binding cord therefor. J. Fein. 2,299,316; Oct. 20.
Shoe for steam pressing irons. R. Bass. 2,299,202; Oct. 20.
Shoe heel and toeplate. L. W. Brooks. 2,299,456; Oct. 20.
Shoe, Platform. F. Cialo. 2,299,305; Oct. 20.
Shoe welting, Making. W. C. Vizard. 2,299,516; Oct. 20.
Shower stall subdrainer. B. Svirsky. 2,299,705; Oct. 20.
Sign. C. Marinone. 2,299,331; Oct. 20.
Signal device for serving trays. E. K. Cargill. 2,299,379; Oct. 20.
Signal retransmission system. M. W. Muehter. 2,299,644; Oct. 20.
Signaling system. W. H. T. Holden. 2,299,479; Oct. 20.
Signaling system. M. W. Muehter. 2,299,645; Oct. 20.
Signaling system. G. A. Pullis. 2,299,279; Oct. 20.
Sintered articles, Making. H. Tormyn. 2,299,192; Oct. 20.
Skewback for open hearth furnaces. J. F. McLimans. 2,299,102; Oct. 20.
Slab, Cast. H. L. Rogers and G. B. Price. 2,299,070; Oct. 20.
Slabs, Casting. H. L. Rogers, and G. B. Price. 2,299,111;
Sleeping car. J. W. Patton. 2,299,343; Oct. 20.
Slider for separable fasteners and making same. W. R. Epes. 2,299,133; Oct. 20.
Sling. D. E. Dickey. 2,299,568; Oct. 20.
Smoke detecting apparatus. C. N. Cabusac and F. B. Allen. 2,299,457; Oct. 20.
Smoker's stand. R. W. Brooks. 2,299,609; Oct. 20.
Snap acting device and making the same. L. W. Burch. 2,299,562; Oct. 20.
Soap stock purification and product. B. H. Thurman. 2,299,603; Oct. 20.
Sound reproducing apparatus. J. B. Suomala. 2,299,358; Oct. 20.
Sound reproduction. H. I. Reiskind. 2,299,410; Oct. 20.
Spike, Self-locking. R. A. Creighton. 2,299,308; Oct. 20.
Spool, Film. A. D. Cronk, and D. S. Hart. 2,299,532; Oct. 20.
Spring clip. C. G. Newman. 2,299,490; Oct. 20.
Spring shackle construction. F. Johnson, and D. Roeder. 2,299,392; Oct. 20.
Spring sizing machine. C. H. Shaffer. 2,299,505; Oct. 20.
Stand: *See*—
Smoker's stand.
Steam generator. W. H. Richards. 2,299,110; Oct. 20.
Steel hardening bath, High speed. H. Solakian and L. Sarvis. 2,299,186; Oct. 20.
Stoker feed, Coke. W. C. Jolly. 2,299,394; Oct. 20.
Stove construction. A. G. Nelson. 2,299,340; Oct. 20.
Strand handling apparatus. L. G. Wade, and D. V. Waters. 2,299,518; Oct. 20.
Structural unit. M. Deutsch. 2,299,614; Oct. 20.
Structure, Expanding. H. A. Farrand. 2,299,087; Oct. 20.
Strut for airplanes, Shock absorbing. E. W. Cleveland. and E. R. Warner. 2,299,613; Oct. 20.
Sugar. R. Whymper. 2,299,288; Oct. 20.
Sugar composition. R. Whymper. 2,299,287; Oct. 20.
Sugar, Processing. J. J Neuman. 2,299,422; Oct. 20.
Sulphides, Substituted aryloxyalkylol. E. W. Cook and W. D. Thomas, Jr. 2,299,213; Oct. 20.
Sulphur from gases or vapors, Removing organic. W. A. Kemper. 2,299,149; Oct. 20.
Support: *See*—
Card support. Coupler support.
Concealed fixture support. Frame support.
Support for ironing boards, Iron. C. A. Robinson. 2,299,594; Oct. 20.
Support for outlet boxes or the like, Cantilever. M. B. Austin, Jr. 2,299,675; Oct. 20.
Support for vibrated members, Flexible. L. G. Symons. 2,299,661; Oct. 20.
Switch: *See*—
Combination switch. Electromagnetic motor switch.
Electrical switch.
Switch. E. W Rickmeyer. 2,299,346; Oct. 20.
Switch actuating device. S. Crum. 2,299,309; Oct. 20.
Switch indication circuits. A. L. Jerome. 2,299,275; Oct. 20.
Switch mechanism. H. W. Rubinstein and H. L. Zimmerman. 2,299,498; Oct. 20.
Switching apparatus, Crossbar. L. H. Christensen. 2,299,525; Oct. 20.
Swivel connector. K. B. Dafforn and R. I. Huffman. 2,299,468; Oct. 20.
Syphon for drier drainage systems. H. G. Cram. 2,299,530; Oct. 20.

Table for infants' bathing devices, Dressing. B. H. Kennedy. 2,299,579; Oct. 20.
Tank: *See*—
Filter and pneumatic pressure tank. Grain storage and treating tank.
Tank and apparatus for cooling seams thereof, Melting. H. H. Blau and K. K. Knaell. 2,299,608; Oct. 20.
Telegraph signal repeater. J. R. Wilkerson. 2,299,264; Oct. 20.
Telephone and advertising cabinet. I. M. Rathburn. 2,299,409; Oct. 20.
Telephone coin collector. C. C. Towne. 2,299,664; Oct. 20.
Telephone dial mask. H. Simon. 2,299,257; Oct. 20.
Telephone or like system. R. Taylor. 2,299,513; Oct. 20.
Telephone system. W. M. Beaumont. 2,299,203; Oct. 20.
Telephone system. R. E. Collis, E. L. Getz, R. E. Hersey, and O. H. Kopp. 2,299,212; Oct. 20.
Telephone system. R. Taylor. 2,299,514; Oct. 20.
Telephone system, Automatic. G. E. Stonebridge, Jr. 2,299,660; Oct. 20.
Television apparatus. R. D. Kell. 2,299,328; Oct. 20.
Television communication, Method and system for. A. B. Du Mont and T. T. Goldsmith, Jr. 2,299,471; Oct. 20.
Television receiver cabinet. H. W. Johnson and S. B. Smith. 2,299,393; Oct. 20.
Television system. W. A. Tolson. 2,299,361; Oct. 20.
Temperature control system, Cycling multi-stage. W. L. McGrath. 2,299,163; Oct. 20.
Temperature responsive devic. B. Cyr. 2,299,533; Oct. 20.
Tent, Automobile. L. P. Creasey. 2,299,382; Oct. 20.
Tent, Insulating, waterproof and buoyant. E. C. Craig and G. W. Leyde. 2,299,078; Oct. 20.
Testing machine, Fatigue. O. S. Peters. 2,299,424; Oct. 20.
Textile materials, Treatment of. F. B. Hill, W. Alford, and T. Jackson. 2,299,145; Oct. 20.
Thermostat adjusting means, Sadiron. E. K. Clark and J. R. Heilman. 2,299,462; Oct. 20.
Thrust bearing. H. A. S. Howarth. 2,299,237; Oct. 20.
Time limiter for engine starters, Cranking. M. H. Elkin. 2,299,215; Oct. 20.
Tire chain mounter. A. T. Smola. 2,299,185; Oct. 20.
Tire valve. H. Z. Gora. 2,299,068; Oct. 20.
Titanium pigments, Production of. B. W. Allan. 2,299,120; Oct. 20.
Toilet bowl. C. W. Hazzard. 2,299,273; Oct. 20.
Tool: *See*—
Finishing tool. Rotary pin-cutting tool.
Machine tool.
Tool. P. R. Gjertsen. 2,299,224–6; Oct. 20.
Tool holder for surgical instruments. S. L. Fisher. 2,299,267; Oct. 20.
Tool post for lathes. H. H. Hardinge. 2,299,622; Oct. 20.
Toothbrush. A. C. Castillo. 2,299,564; Oct. 20.
Toy. D. C. McGahey. 2,299,551; Oct. 20.
Toy, Dancing. J. R. Vinci. 2,299,363; Oct. 20.
Transformer, Welding. G. G. Landis. 2,299,329; Oct. 20.
Transmission. C. N. Bergstrom. 2,299,373; Oct. 20.
Transmission control, Automatic. G. C. Farmer. 2,299,475; Oct. 20.
Transmission system, Harmonic. R. B. Dome. 2,299,571; Oct. 20.
Transparent receptacle. W. Ungemach. 2,299,194; Oct. 20.
Transportation apparatus. L. J. Kennedy. 2,299,150; Oct. 20.
Transporting and lifting mechanism. O. A. Dammeyer. 2,299,310; Oct. 20.
Travelling and correspondence case, Combined. A. Zolkind. 2,299,673; Oct. 20.
Traverse control. H. E. Balsiger. 2,299,123; Oct. 20.
Trouble light. L. Curtis. 2,299,683; Oct. 20.
Truck for floor type kerf-cutting machines, Transporting. E. J. Doberstein. 2,299,214; Oct. 20.
Truck, Industrial. E. W. Weaver. 2,299,445; Oct. 20.
Tube: *See*—
Inner tube.
Tube for pneumatic tire. L. B. Foley. 2,299,219; Oct. 20.
Turbine blade shrouding. J. A. Rydmark. 2,299,429; Oct. 20.
Turnbuckle. A. Claud-Mantle. 2,299,526; Oct. 20.
Tuyère. C. J. Fleisch. 2,299,575; Oct. 20.
Undergarment, Women's disposable. G. B. White. 2,299,446; Oct. 20.
Universal joint. O. R. Schoenrock. 2,299,351; Oct. 20.
Utility crossover. W. T. Strohm and R. S. Comer. 2,299,356; Oct. 20.
Valve: *See*—
Automatically operated valve. Magnetic safety valve.
Control valve. Manual reset valve.
Gas valve. Relief valve.
Hydraulic valve. Safety valve.
Tire valve.
Valve. A. J. Boynton and C. J. Westling. 2,299,124; Oct. 20.
Valve. L. W. Eggleston. 2,299,473; Oct. 20.
Valve. R. E. Hartline. 2,299,540; Oct. 20.
Valve. R. L. Ohls. 2,299,341; Oct. 20.
Valve. W. F. Schultz. 2,299,599; Oct. 20.
Valve assembly. G. T. Downey. 2,299,615; Oct. 20.
Valve for storage tanks, Shutoff. A. S. Tharp. 2,299,360; Oct. 20.
Valved connector. F. K. Moody. 2,299,643; Oct. 20.
Variable voltage control scheme. G. E. King and W. H. Formhals. 2,299,152; Oct. 20.
Vehicle semaphore signal means. R. A. Mann and W. H. Mills. 2,299,161; Oct. 20.
Vehicle structure, Railway. E. G. Hallquist. 2,299,576; Oct. 20.
Vending machine. R. Loewy and H. A. Drew. 2,299,583; Oct. 20.
Venetian blind attachment. B. C. Mitchell. 2,299,701; Oct. 20.
Vinyl ether. D. R. Swan. 2,299,189; Oct. 20.
Volume control system, Automatic. H. C. Allen. 2,299,292; Oct. 20.
Wall construction. J. H. G. Bell. 2,299,205; Oct. 20.
Wall sampler, Side. P. T. Bynum. 2,299,076; Oct. 20.
Washer: *See*—
Dual agency washer.
Washer means for food choppers, Spring. A. F. Kaptuller. 2,299,093; Oct. 20.
Washing machine. K. D. McMahan. 2,299,554; Oct. 20.
Water control for closet tanks. B. Svirsky. 2,299,707; Oct. 20.
Water cooled brake. R. R. Bloss. 2,299,208; Oct. 20.
Water cooled furnace. G. A. Rehm. 2,299,559; Oct. 20.
Water softening system. G. Moore. 2,299,246; Oct. 20.
Water supply tanks, Even temperature. C. E. Murphy. 2,299,647; Oct. 20.
Wave signaling, Ultrashort. K. Fritz. 2,299,619; Oct. 20.
Weeder. C. C. Calkins. 2,299,522; Oct. 20.
Weighing machine, Automatic net. F. P. Mansbendel. 2,299,636; Oct. 20.
Welting, Making beaded. W. C. Vizard. 2,299,263; Oct. 20.
Wheel suspension, Independent. A. W. Kumm. 2,299,241; Oct. 20.
Winding reel. C. M. MacChesney. 2,299,101; Oct. 20.
Window adjuster, Casement. C. Meyer, Jr. 2,299,338; Oct. 20.
Window construction. E. Peremi. and L. Toth. 2,299,651; Oct. 20.
Window guide. A. Rydquist. 2,299,595; Oct. 20.
Window guide. C. P. Schlegel. 2,299,598; Oct. 20.
Wrench. H. C. Borchers. 2,299,454; Oct. 20.
Yarn conditioning process and composition therefor. J. B. Dickey and J. B. Normington. 2,299,535; Oct. 20.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 20, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

2— 49: 2,299,232
73: 2,299,463
98: 2,299,453
159: 2,299,118
198: 2,299,432
224: 2,299,681
228: 2,299,324
4— 112: 2,299,640
177: 2,299,579
216: 2,299,273
5— 11: 2,299,136
8— 118: 2,299,200
9— 2: 2,299,131
6.5: 2,299,303
7: 2,299,178
10— 86: 2,299,085
129: 2,299,302
12— 17: 2,299,159
31.5: 2,299,336
146: 2,299,263
2,299,516
147: 2,299,195
15—104.04: 2,299,523
104.06: 2,299,254
133: 2,299,295
2,299,296
137: 2,299,564
139: 2,299,236
2,299,627
147: 2,299,480
236: 2,299,089
16— 99: 2,299,297
17— 9: 2,299,311
32: 2,299,314
18— 3.5: 2,299,352
24: 2,299,269
56: 2,299,520
20— 19: 2,299,573
69: 2,299,598
23— 3: 2,299,149
219: 2,299,427
288: 2,299,197
310: 2,299,426
24— 17: 2,299,697
66: 2,299,496
85: 2,299,490
90: 2,299,493
101: 2,299,494
136: 2,299,146
205: 2,299,230
251: 2,299,371
25— 121: 2,299,072
154: 2,299,111
156: 2,299,374
28— 55.5: 2,299,587
29— 33: Re.22,204
53: 2,299,630
84: 2,299,365
2,299,703
86.1: 2,299,147
148: 2,299,133
2,299,606
152: 2,299,121
30— 40: 2,299,416
64: 2,299,204
65: 2,299,417
84: 2,299,339
123: 2,299,104
31— 34: 2,299,440
32— 17: 2,299,285
40: 2,299,151
2,299,285
33— 9: 2,299,659
23: 2,299,075
46.5: 2,299,313
204: 2,299,663
34— 18: 2,299,460
41: 2,299,459
34— 122: 2,299,662
125: 2,299,530
161: 2,299,239
35— 59: 2,299,277
36— 9: 2,299,500
12: 2,299,293
28: 2,299,305
57: 2,299,316
73: 2,299,456
37— 44: 2,299,451
186: 2,299,255
38— 6: 2,299,322
88: 2,299,570
40— 34: 2,299,362
108: 2,299,698
125: 2,299,359
130: 2,299,672
134: 2,299,331
41— 1: 2,299,405
4: 2,299,652
43 20: 2,299,156
31: 2,299,375
45— 28: 2,299,182
68: 2,299,688
69: 2,299,673
46— 94: 2,299,551
137: 2,299,363
47— 58: 2,299,378
60: Pl.Pt.553
61: Pl.Pt.552
49— 54: 2,299,084
2,299,608
72: 2,299,488
51— 9: 2,299,491
105: 2,299,126
180: 2,299,198
184.3: 2,299,224
2,299,225
2,299,226
263: 2,299,678
56— 27: 2,299,310
249: 2,299,384
57— 15: 2,299,518
58— 104: 2,299,519
59— 27: 2,299,486
60— 52: 2,299,686
2,299,692
97: 2,299,548
61— 57: 2,299,413
62— 4: 2,299,653
6: 2,299,531
89: 2,299,103
89.5: 2,299,347
101: 2,299,188
106: 2,299,414
140: 2,299,527
170: 2,299,177
64— 7: 2,299,351
66— 170: 2,299,300
67— 3: 2,299,108
29: 2,299,497
68— 38: 2,299,554
53: 2,299,495
212: 2,299,145
222: 2,299,202
240: 2,299,634
69— 1: 2,299,176
70— 169: 2,299,249
283: 2,299,646
72— 16: 2,299,205
66: 2,299,070
2,299,071
73— 51: 2,299,424
2,299,425
109: 2,299,542
231: 2,299,406
299: 2,299,077
74— 5: 2,299,117
74— 7: 2,299,201
44: 2,299,637
103: 2,299,684
300: 2,299,247
376: 2,299,563
504: 2,299,666
505: 2,299,402
531: 2,299,508
75— 22: 2,299,192
137: Re.22,207
166: 2,299,711
2,299,712
172: 2,299,114
76— 108: 2,299,207
77— 21: 2,299,290
63: 2,299,397
78— 81: 2,299,105
80— 1: 2,299,631
81— 15.8: 2,299,185
38: 2,299,682
84: 2,299,454
82— 17: 2,299,677
37: 2,299,622
83— 6: 2,299,718
84— 1.04: 2,299,591
240: 2,299,656
85— 27: 2,299,308
32: 2,299,158
88— 14: 2,299,457
24: 2,299,682
26: 2,299,536
28: 2,299,657
41: 2,299,708
89— 1: 2,299,086
2,299,100
2,299,327
37.5: 2,299,227
90— 60: 2,299,294
91— 30: 2,299,326
45: 2,299,350
92— 9: 2,299,132
93— 3: 2,299,474
22: 2,299,699
49: 2,299,098
94— 8: 2,299,318
18: 2,299,670
45: 2,299,700
50: 2,299,691
95— 6: 2,299,641
96— 25: 2,299,568
97— 41: 2,299,334
42: 2,299,522
80: 2,299,381
98— 33: 2,299,217
56: 2,299,299
99— 103: 2,299,080
155: 2,299,553
180: 2,299,511
239: 2,299,658
101— 97: 2,299,396
127: 2,299,628
328: 2,299,242
415: 2,299,289
102— 12: 2,299,466
39: 2,299,464
2,299,465
103— 113: 2,299,556
148: 2,299,315
162: 2,299,233
2,299,234
2,299,235
175: 2,299,448
231: 2,299,304
104— 275: 2,299,356
105— 35: 2,299,420
131: 2,299,099
171: 2,299,576
172: 2,299,421
105—197.2: 2,299,419
222: 2,299,560
315: 2,299,343
106— 18: 2,299,612
177: 2,299,096
218: 2,299,312
236: 2,299,694
247: 2,299,469
268: 2,299,306
270: 2,299,144
286: 2,299,721
294: 2,299,169
2,299,170
300: 2,299,120
108— 5.4: 2,299,704
112— 11: 2,299,422
231: 2,299,524
114— 166: 2,299,400
116— 2: 2,299,597
124: 2,299,348
135: 2,299,284
137: 2,299,447
117— 64: 2,299,689
75: 2,299,433
91: 2,299,693
161: 2,299,547
119— 50: 2,299,680
135: 2,299,380
121— 38: 2,299,211
41: 2,299,430
45: 2,299,123
122— 6.6: 2,299,575
14: 2,299,122
40: 2,299,110
235: 2,299,559
123— 74: 2,299,389
148: 2,299,714
175: 2,299,321
176: 2,299,506
2,299,073
124— 13: 2,299,073
126— 44: 2,299,340
127— 30: 2,299,287
2,299,288
64: 2,299,422
128— 91: 2,299,125
191: 2,299,109
239: 2,299,710
283: 2,299,431
288: 2,299,446
303: 2,299,268
317: 2,299,267
399: 2,299,162
129— 16.1: 2,299,566
27: 2,299,134
135— 1: 2,299,078
2,299,382
136— 162: 2,299,545
178: 2,299,507
137— 21: 2,299,502
53: 2,299,079
69: 2,299,540
104: 2,299,360
2,299,707
139: 2,299,155
2,299,286
177— 311: 2,299,462
327: 2,299,161
329: 2,299,379
360: 2,299,645
367: 2,299,644
138— 30: 2,299,611
90: 2,299,116
178— 5.8: 2,299,390
7.2: 2,299,328
7.5: 2,299,292
2,299,333
2,299,361
2,299,393
144— 87: 2,299,602
176: 2,299,248
146— 52: 2,299,137
146— 59: 2,299,567
78: 2,299,092
189: 2,299,093
148— 17: 2,299,138
21: 2,299,685
21.5: 2,299,639
26: 2,299,164
2,299,165
2,299,166
2,299,167
2,299,168
30: 2,299,186
151— 21: 2,299,209
152— 331: 2,299,243
340: 2,299,219
430: 2,299,068
153— 46: 2,299,537
54: 2,299,097
154— 16: 2,299,544
26: 2,299,066
155— 77: 2,299,538
158— 1: 2,299,154
28: 2,299,501
160— 35: 2,299,173
115: 2,299,701
172: 2,299,095
161— 15: 2,299,174
2,299,349
164— 0.5: 2,299,210
0.7: 2,299,528
66: 2,299,578
68: 2,299,650
118: 2,299,534
167— 30: 2,299,604
78: Re.22,208
170— 172: 2,299,592
171— 97: 2,299,642
119: 2,299,190
2,299,325
2,299,329
209: 2,299,081
2,299,589
324: 2,299,376
2,299,377
327: 2,299,260
172— 126: 2,299,482
239: 2,299,199
240: 2,299,152
279: 2,299,669
173— 259: 2,299,291
324: 2,299,468
328: 2,299,206
334: 2,299,617
174— 41: 2,299,607
52: 2,299,153
72: 2,299,140
175— 41.5: 2,299,271
183: 2,299,270
294: 2,299,561
315: 2,299,228
2,299,667
356: 2,299,605
176— 122: 2,299,720
124: 2,299,499
177— 311: 2,299,462
327: 2,299,161
329: 2,299,379
360: 2,299,645
367: 2,299,644
178— 5.8: 2,299,390
7.2: 2,299,328
7.5: 2,299,292
2,299,333
2,299,361
2,299,393
209— 415: 2,299,661
470: 2,299,298
210— 24: 2,299,246
122: 2,299,529
134: 2,299,415
211— 13: 2,299,539
151: 2,299,512
178— 58: 2,299,264
179— 2.5: 2,299,487
16: 2,299,229
18: 2,299,479
2,299,514
2,299,660
22: 2,299,203
27: 2,299,212
2,299,513
27.54: 2,299,525
84: 2,299,279
90: 2,299,257
100.3: 2,299,385
2,299,398
2,299,410
121: 2,299,342
171: 2,299,366
2,299,481
2,299,558
180— 42: 2,299,150
54: 2,299,157
181— 26: 2,299,620
48: 2,299,112
182— 31: 2,299,705
183— 44: 2,299,364
92: 2,299,332
184— 6: 2,299,549
27: 2,299,439
46: 2,299,355
72: 2,299,610
209— 415: 2,299,661
470: 2,299,298
210— 24: 2,299,246
122: 2,299,529
134: 2,299,415
211— 13: 2,299,539
151: 2,299,512
188— 32: 2,299,115
106: 2,299,412
153: 2,299,484
264: 2,299,208
189— 16: 2,299,383
34: 2,299,614
37: 2,299,687
72: 2,299,651
192— 4: 2,299,475
18: 2,299,387
24: 2,299,621
53: 2,299,373
125: 2,299,106
142: 2,299,082
194— 1: 2,299,664
88: 2,299,583
196— 8: 2,299,282
2,299,283
10: Re.22,205
197— 1: 2,299,107
133: 2,299,557
198— 24: 2,299,504
52: 2,299,442
199— 55: 2,299,191
200— 5: 2,299,250
11: 2,299,498
90: 2,299,438
116: 2,299,196
122: 2,299,215
137: 2,299,533
138: 2,299,309
2,299,580
152: 2,299,346
165: 2,299,671
201— 68: 2,299,184
202— 105: 2,299,253
204— 83: 2,299,428
197: 2,299,090
206— 16: 2,299,436
19.5: 2,299,668
44: 2,299,194
46: 2,299,355
72: 2,299,610
209— 415: 2,299,661
470: 2,299,298
210— 24: 2,299,246
122: 2,299,529
134: 2,299,415
211— 13: 2,299,539
151: 2,299,512

213— 61: 2,299,541
214— 17: 2,299,618
2,299,623
67: 2,299,368
113: 2,299,445
125: 2,299,386
216— 61: 2,299,266
217— 12: 2,299,175
122: 2,299,601
219— 4: 2,299,238
2,299,543
10: 2,299,483
14: 2,299,679
19: 2,299,088
2,299,401
25: 2,299,569
37: 2,299,596
220— 1: 2,299,647
3.6: 2,299,696
20: 2,299,702
29: 2,299,503
39: 2,299,281
46: 2,299,695
61: 2,299,588
85: 2,299,091
221— 50: 2,299,450
80: 2,299,492
108: 2,299,717
114: 2,299,435
120: 2,299,394
223— 92: 2,299,369
2,299,370
224— 45: 2,299,625
226— 128: 2,299,572
228— 23: 2,299,584
229— 5.7: 2,299,616
51: 2,299,461
235— 23: 2,299,648
83: 2,299,444
236— 1: 2,299,335
36: 2,299,574
62: 2,299,473
68: 2,299,163
238— 343: 2,299,354
240— 10.6: 2,299,148
2,299,467
78: 2,299,256
2,299,276
128: 2,299,278
242— 55.3: 2,299,301
68: 2,299,626
71: 2,299,532
72: 2,299,101
81: 2,299,458
117: 2,299,478
119: 2,299,113
157: 2,299,344
244— 104: 2,299,613
149: 2,299,407
2,299,408
246— 219: 2,299,275
248— 29: 2,299,443
47: 2,299,515
83: 2,299,629
117.1: 2,299,594
122: 2,299,683
248— 224: 2,299,320
226: 2,299,280
280: 2,299,251
310: 2,299,675
2,299,676
311: 2,299,674
249— 20: 2,299,636
250— 2: 2,299,330
8: 2,299,388
11: 2,299,083
20: 2,299,391
27: 2,299,252
2,299,272
2,299,571
2,299,581
27.5: 2,299,094
33: 2,299,218
2,299,585
81: 2,299,510
251— 27: 2,299,074
34: 2,299,665
93: 2,299,517
102: 2,299,341
105: 2,299,624
125: 2,299,599
167: 2,299,124
252— 8.8: 2,299,535
17: 2,299,139
32: 2,299,307
117: 2,299,603
281: 2,299,258
253— 77: 2,299,429
78: 2,299,449
255— 1.4: 2,299,076
257— 32: 2,299,455
260— 25: 2,299,135
27: 2,299,509
32: 2,299,552
90: 2,299,189
94: 2,299,223
94.5: 2,299,220
2,299,221
2,299,222
106: 2,299,577
140: 2,299,244
2,299,245
248: 2,299,069
2,299,274
296: 2,299,555
368: 2,299,142
377: 2,299,141
378: 2,299,240
486: 2,299,128
609: 2,299,213
627: 2,299,437
654: 2,299,477
662: 2,299,441
663: 2,299,411
666: 2,299,716
724: 2,299,593
261— 76: 2,299,130
115: 2,299,550
262— 28: 2,299,214
263— 46: 2,299,102
264— 3: 2,299,635
265— 5: 2,299,586
266— 5: 2,299,546
267— 54: 2,299,392
268— 30: 2,299,345
102: 2,299,317
119: 2,299,338
126: Re.22,206
271— 12: 2,299,690
74: 2,299,259
272— 31: 2,299,582
274— 2: 2,299,358
10: 2,299,633
277— 20: 2,299,615
2,299,706
2,299,719
45: 2,299,367
280— 96.2: 2,299,241
124: 2,299,087
281— 19: 2,299,319
21: 2,299,715
284— 17: 2,299,643
19: 2,299,193
285— 8: 2,299,160
49: 2,299,183
71: 2,299,171
78: 2,299,172
286— 7: 2,299,395
11: 2,299,590
2,299,638
29: 2,299,179
287— 54: 2,299,143
60: 2,299,526
86: 2,299,067
104: 2,299,357
292— 164: 2,299,353
169: 2,299,180
300: 2,299,489
337: 2,299,181
294— 55: 2,299,418
296— 44.5: 2,299,595
297— 15: 2,299,562
298— 19: 2,299,187
2,299,372
299— 78: 2,299,521
107.2: 2,299,452
300— 9: 2,299,709
302— 49: 2,299,565
50: 2,299,470
303— 1: 2,299,472
18: 2,299,476
59: 2,299,485
304— 10: 2,299,323
308— 138: 2,299,600
160: 2,299,237
197: 2,299,231
363: 2,299,119
309— 31: 2,299,216
45: 2,299,399
311— 11: 2,299,127
312— 21: 2,299,609
34: 2,299,409
49: 2,299,403
156: 2,299,655

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,299,067: 287— 86
2,299,073: 124— 13
2,299,074: 251— 27
2,299,080: 99— 103
2,299,090: 204— 197
2,299,091: 220— 85
2,299,095: 160— 172
2,299,104: 30— 123
2,299,125: 128— 91
2,299,135: 260— 25
2,299,139: 252— 17
2,299,144: 106— 270
2,299,145: 68— 212
2,299,150: 180— 42
2,299,173: 160— 35
2,299,177: 62— 170
2,299,195: 12— 147
2,299,220: 260— 94.5
2,299,221: 260— 94.5
2,299,222: 260— 94.5
2,299,223: 260— 94.5
2,299,247: 74— 300
2,299,258: 252— 281
2,299,268: 128— 308
2,299,283: 196— 8
2,299,295: 15— 133
2,299,296: 15— 133
2,299,305: 36— 28
2,299,306: 106— 268
2,299,309: 200— 138
2,299,317: 268— 102
2,299,321: 123— 175
2,299,322: 38— 6
2,299,335: 236— 1
2,299,358: 274— 2
2,299,381: 97— 80
2,299,384: 56— 249
2,299,394: 221— 120
2,299,415: 210— 134
2,299,416: 30— 40
2,299,439: 184— 27
2,299,464: 102— 39
2,299,469: 106— 247
2,299,482: 172— 126
2,299,483: 219— 10
2,299,490: 24— 85
2,299,492: 221— 80
2,299,500: 36— 9
2,299,502: 137— 21
2,299,503: 220— 29
2,299,515: 248— 47
2,299,517: 251— 93
2,299,529: 210— 122
2,299,530: 34— 125
2,299,552: 260— 32
2,299,565: 302— 49
2,299,572: 226— 128
2,299,578: 164— 66
2,299,597: 116— 2
2,299,599: 251— 125
2,299,609: 312— 21
2,299,612: 106— 18
2,299,623: 214— 17
2,299,627: 15— 139
2,299,642: 171— 97
2,299,653: 62— 4
2,299,662: 34— 122
2,299,673: 45— 69
2,299,675: 248— 310
2,299,688: 45— 68
2,299,689: 117— 64
2,299,690: 271— 12
2,299,693: 117— 91
2,299,695: 220— 46
2,299,702: 220— 20
2,299,706: 277— 20
2,299,709: 300— 9
2,299,717: 221— 108
2,299,721: 106— 286

U. S. GOVERNMENT PRINTING OFFICE: 1942

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A and A Manufacturing Company. (See Ales, Paul.)
Abbott Laboratories, North Chicago, Ill. Medicinal jelly. Serial No. 455,196; Oct. 27. Class 6.
Acme White Lead and Color Works, Detroit, Mich. Furniture polish. Serial No. 450,500; Oct. 27. Class 16.
Aircraft Screw Products Company, Incorporated, Long Island City, N. Y. Spark plug bushings. Serial No. 452,797; Oct. 27. Class 21.
Ajax Box Company, The, Chicago, Ill. Sulphite papers. Serial No. 454,709; Oct. 27. Class 37.
Ales, Paul, doing business as A and A Manufacturing Company, Chicago, Ill. Garden tools. Serial No. 452,141; Oct. 27. Class 23.
Alphaden Company, The, Chicago, Ill. Vaginal antiseptic. Serial No. 455,062; Oct. 27. Class 6.
American Dietalds Company, Inc., Yonkers, N. Y. Gluten flour, bread, chewing gum, etc. Serial No. 452,629; Oct. 27. Class 46.
American Shower Cabinet Co., Inc., New York, N. Y. Portable shower cabinets. Serial No. 455,013; Oct. 27. Class 13.
Aridor Company, The, Chicago, Ill. Closures for containers. Serial No. 453,048; Oct. 27. Class 50.
Avedis Ointment Co. (See Minassian, Arshak Der.)
Beaver Shirt Manufacturing Co., Inc., New York, N. Y. Men's dress and sport shirts. Serial No. 454,224; Oct. 27. Class 39.
Belleville, H. & B., Chicago, Ill. Smoked salmon cocktail sausage, and smoked sliced turkey. Serial No. 454,933; Oct. 27. Class 46.
Blackburn, James M., Los Angeles, Calif. Hand cream. Serial No. 451,485; Oct. 27. Class 6.
Breckenridge, Robert G., Jr., doing business under the name Glamor Craft, Denver, Colo. Silver chemical preparation. Serial No. 450,708; Oct. 27. Class 6.
Bush & Long Potato Chip Co., El Paso, Tex. Corn chips. Serial No. 455,511; Oct. 27. Class 46.
Byard Manufacturing Company, Limited, The, Nottingham, England. Soaps. Serial No. 443,108; Oct. 27. Class 4.
California Krispy Corn Company, New Bedford, Mass. Parched corn, peas, and fava beans. Serial No. 453,579; Oct. 27. Class 46.
California Wine Company, Incorporated, Chicago, Ill. Wine. Serial No. 454,412; Oct. 27. Class 47.
Carbone, Jose, and Juan Pellegrino, Buenos Aires, Argentina. Fish conserves. Serial No. 449,037; Oct. 27. Class 46.
Carson Pirie Scott & Company, Chicago, Ill. Ladies' and misses' dresses. Serial No. 452,414; Oct. 27. Class 39.
Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, and/or silk piece goods. Serial No. 454,649; Oct. 27. Class 42.
Columbus Plastic Products Inc., Columbus, Ohio. Basin, tub, sink, and tray stoppers. Serial No. 455,173; Oct. 27. Class 13.
Container Corporation of America, Chicago, Ill. Paperboard cartons sold in the trade empty. Serial No. 455,297; Oct. 27. Class 2.
Cooper's Incorporated, Kenosha, Wis. Underwear. Serial No. 455,047; Oct. 27. Class 39.
Cowles Detergent Company, The, Cleveland, Ohio. Cleaning compound. Serial No. 455,299; Oct. 27 Class 4.
Delbene Hermanos y Compania, Buenos Aires, Argentina. Toilet soap. Serial Nos. 455,177–8; Oct. 27. Class 4.
Duro Metal Products Company, Chicago, Ill. Wrenches. Serial No. 455,156; Oct. 27. Class 23.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Pressure sensitive adhesive cloth and adhesive cement. Serial No. 452,712; Oct. 27. Class 5.
Ethyl Corporation, New York, N. Y. Antiknock compound. Serial No. 455,097; Oct. 27. Class 6.
Firestone Tire & Rubber Company, The, Akron, Ohio. Composition of synthetic rubber or rubber-like materials. Serial No. 454,826; Oct. 27. Class 1.
Fox, Philip J., Chicago, Ill. Synthetic resins for moisture proofing various materials. Serial No. 453,179; Oct. 27. Class 1.
General Athletic Products Company, The, Greenville, Ohio. Flight jackets. Serial No. 455,117; Oct. 27. Class 39.
Glamor Craft. (See Breckenridge, Robert G., Jr.)
Graphine Corporation, Willow Grove, Pa. Metallic and fibre packing for rods, shafts, pistons, etc. Serial No. 455,070; Oct. 27. Class 35.
Green, Emmet M., Los Angeles, Calif. Fastening devices in the form of a combined screw and rivet. Serial No. 455,181; Oct. 27. Class 13.
Gruen Watch Company, The, Cincinnati and Time Hill, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 454,944; Oct. 27. Class 27.
House of Westmore, Inc., New York, N. Y. Foundation face cream. Serial No. 455,102; Oct. 27. Class 6.
Hudnut, Richard, New York, N. Y. Soap. Serial No. 454,829; Oct. 27. Class 4.
Hudnut, Richard, New York, N. Y. Cleansing cream foundation lotion, skin freshener, etc. Serial No. 454,830; Oct. 27. Class 6.
Hudson Motor Car Company, Detroit, Mich. Automobile heaters. Serial Nos. 445,095–6; Oct. 27. Class 19.
Hy-Pro Tool Co., Inc., New Bedford, Mass. Taps, thread-cutting dies, screw and bolt-heading dies, etc. Serial No. 453,058; Oct. 27. Class 23.
Jenkins, George O., Company, Bridgewater, Mass. Fiberboard in sheet form which is a leather substitute. Serial No. 452,961; Oct. 27. Class 50.
Johnstone, Muriel, New York, N. Y. Women's and misses' coats, suits, and dresses. Serial No. 454,192; Oct. 27. Class 39.
Kansas Milling Company, The, Wichita, Kans. Human, animal, and poultry foods. Serial No. 440,164; Oct. 27. Class 46.
King, Roy T., Montgomery, Ala. Preparation tending to aid in alleviating paroxysms associated with coughs due to colds. Serial No. 455,395; Oct. 27. Class 6.
Locke, Eric, doing business as Locke and Company, Los Angeles, Calif. Calcium preparation. Serial No. 455,270; Oct. 27. Class 6.
Lockwood, Lawrence A., doing business as Lockwood Products, Chicago, Ill. Insulated containers adapted to hold a nursing bottle. Serial No. 454,427; Oct. 27. Class 44.
Lockwood, Lawrence A., Chicago, Ill. Feeding sets composed of a stand and a removable dish. Serial No. 454,429; Oct. 27. Class 2.
Lockwood, Lawrence A., Chicago, Ill. Waterproof bags for soiled diapers. Serial No. 455,005; Oct. 27. Class 2.
Maison Jeurelle-Seventeen, Inc., New York, N. Y. Perfumes. Serial No. 455,513; Oct. 27. Class 6.
Maurer, Gustave, New York, N. Y. Preparation for slenderization. Serial No. 455,236; Oct. 27. Class 6.
McCormick & Co., Incorporated, Baltimore, Md. Imitation food flavoring extracts. Serial Nos. 455,104–5; Oct. 27. Class 46.
Metro Manufacturing Co., New York, N. Y. Pads and sheets used to play the game of "Bingo". Serial No. 454,735; Oct. 27. Class 22.
Minassian, Arshak Der, doing business as Avedis Ointment Co., Cambridge, Mass. Ointment. Serial No. 436,936; Oct. 27. Class 6.
Moore, Sam, & Company, Cleveland, Ohio. Waterproof cement. Serial No. 455,568; Oct. 27. Class 5.
National Gypsum Company, Buffalo, N. Y. Rock wool. Serial No. 455,122; Oct. 27. Class 12.
New Method Equipment Company, assignor to New Method Equipment Company, Indianola, Iowa. Hay stackers, loaders and racks, and parts thereof. Serial No. 454,146; Oct. 27. Class 23.
Nion Corporation, Los Angeles, Calif. Vitamin capsules. Serial No. 455,238; Oct. 27. Class 6.
Noesting Pin Ticket Company, Incorporated, New York, N. Y. Paper clips. Serial No. 454,972; Oct. 27. Class 37.
Old Reading Brewery Inc., The, Reading, Pa. Beer, porter, stout, ales. Serial No. 455,083; Oct. 27. Class 48.
Osborne, Beverly, Oklahoma City, Okla. Drinking glasses. Serial No. 451,752; Oct. 27. Class 33.
Patterson Foundry & Machine Co., The, East Liverpool, Ohio. Revolving cone mixers for stirring and mixing. Serial No. 454,199; Oct. 27. Class 23.
Pellegrino, Juan. (See Carbone, Jose, and Pellegrino.)
Porter, Josephine A., Baltimore, Md. Ash trays. Serial No. 454,766; Oct. 27. Class 8.
Poythress, Wm. P., & Company, Incorporated, Richmond, Va. Pharmaceutical preparation. Serial No. 455,274; Oct. 27. Class 6.
Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Choleretic preparation. Serial No. 455,349; Oct. 27. Class 6.
Pure Oil Company, The, Chicago, Ill. Oils and greases. Serial No. 455,209; Oct. 27. Class 15.
Rice-Stix Dry Goods Company, St. Louis, Mo. Women's apparel for sportswear. Serial No. 449,588; Oct. 27. Class 39.
Rico Products Ltd., Beverly Hills, Calif. Saxophone and clarinet reeds and saxophones and clarinets. Serial No. 446,219; Oct. 27. Class 36.
Roach, W. R., Company, The, Grand Rapids, Mich. Canned vegetables. Serial No. 453,402; Oct. 27. Class 46.
Rohold, Philip, doing business as Vee Photo Company, Irvington, N. Y. Photo prints. Serial No. 455,241; Oct. 27. Class 38.

Rollins Hosiery Mills, Inc., Des Moines, Iowa. Hosiery. Serial No. 453,121; Oct. 27. Class 39.
Rosenthal Manufacturing Company, Inc., New York, N. Y. Men's suits, overcoats, sport and top coats, etc. Serial No. 446,593; Oct. 27. Class 39.
Sawyer-Hare Furnace Company, Detroit, Mich. Furnace. Serial No. 454,017; Oct. 27. Class 34.
Shlansky, Philip, & Bro. Inc., New York, N. Y. Women's, misses' and girls' coats. Serial No. 454,859; Oct. 27. Class 39.
Smith, J. Howard, Port Monmouth, N. J. Fish oil. Serial No. 455,244; Oct. 27. Class 6.
Spare-Time Corporation, Minneapolis, Minn. Game boards. Serial No. 455,091; Oct. 27. Class 22.
Squibb, E. R., & Sons, New York, N. Y. Anti-venereal preparations, particularly an anti-venereal product. Serial No. 455,315; Oct. 27. Class 6.
Stanco Incorporated, Wilmington, Del., and New York, N. Y. Insecticides. Serial No. 455,245; Oct. 27. Class 6.
Stensgaard, W. L., and Associates, Inc., Chicago, Ill. Small papier mâché and plaster reproductions of animals. Serial No. 454,931; Oct. 27. Class 50.
Studebaker Corporation, The, South Bend, Ind. Gages for measuring tread depths of tires. Serial No. 454,585; Oct. 27. Class 26.
Texas Prefabricated House and Tent Co., Dallas, Tex. Prefabricated structures. Serial No. 454,705; Oct. 27. Class 12.
United States Tube & Foundry Co., Inc., Brooklyn, N. Y. Truck casters. Serial No. 454,860; Oct. 27. Class 19.
Universal Paper Products Company, Chicago, Ill. Collapsible tubes. Serial No. 455,355; Oct. 27. Class 2.
Vee Photo Company. (See Rohold, Philip.)
Woolen Corporation of America, The, New York, N. Y. Woolen, worsted, and cotton piece goods. Serial No. 454,790; Oct. 27. Class 42.

LIST OF REGISTRANTS OF TRADE-MARKS

Aero Service Corporation, Philadelphia, Pa. Photogrammetric instruments—namely, planimeters, theodolites, surveying levels, etc. 398,366; Oct. 27; Serial No. 445,248; published Nov. 11, 1941. Class 26.
Airolite Company, The, Marietta, Ohio. Ventilators. 398,421; Oct. 27; Serial No. 453,352; published Aug. 18, 1942. Class 34.
American Display Company, The, Dayton, Ohio. Game equipment and sporting goods. 398,449; Oct. 27. Class 22.
American Fork & Hoe Company, The, Cleveland, Ohio. Hand agricultural implements and hand tools. 398,379; Oct. 27; Serial No. 449,818; published Aug. 11, 1942. Class 23.
Anemostat Corporation of America, New York, N. Y. Publication. 398,441; Oct. 27; Serial No. 453,785; published Aug. 18, 1942. Class 38.
Anti-Hydro Waterproofing Company, Newark, N. J. Liquid hardener for cement masonry. 163,009; renewed Jan. 2, 1943.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Nail polish, cream and compact rouges, and lipstick. 398,415; Oct. 27; Serial No. 453,908; published Aug. 18, 1942. Class 6.
Arena, A., and Co., Ltd., Los Angeles, Calif. Fresh vegetables and fresh grapes. 398,391; Oct. 27; Serial No. 452,597; published Aug. 18, 1942. Class 46.
Aridor Company, The, Chicago, Ill. Closures for containers. 398,377; Oct. 27; Serial No. 449,535; published Aug. 18, 1942. Class 50.
Art Metal Works, Inc., Newark, N. J. Pieces of sparking metal. 160,372; renewed Oct. 24, 1942.
Audubon Tobacco Co. (See Blatt, Harry.)
B. V. D. Company, The, Baltimore, Md., by change of name to The B. V. D. Corporation. Underwear. 161,087; renewed Nov. 7, 1942.
Bagley Canning Company, Ashland, Ores. Canned fruits, canned vegetables, canned fruit and vegetable juices. 398,371; Oct. 27; Serial No. 447,789; published Aug. 18, 1942. Class 46.
Baker, Stephen D., doing business as S. D. Baker Manufacturing Company, New York, N. Y., assignor, by mesne assignments, to S. D. Baker, doing business as S. D. Baker Manufacturing Co., Trenton, N. J., and New York, N. Y. Fixtures of porcelain for bathrooms. 159,271; renewed Sept. 26, 1942.
Balme, Paul, doing business as B. Paul, to B. Paul, Inc., New York, N. Y., successor. Hair dye. 165,811; renewed Mar. 20, 1943.
Barbaglia, Pauline, doing business as Barbaglia System, Detroit, Mich. Plasters and the ingredients for making plasters. 398,466; Oct. 27. Class 6.
Barron, Anderson Co., to Barron, Anderson Company, Boston, Mass., successor. Men's suits and overcoats. 155,610; renewed June 6, 1942.
Basic Refractories, Inc., Cleveland, Ohio. Refractory preparations for furnace linings. 398,468; Oct. 27. Class 12.
Bastanchury Ranch Company, Fullerton, assignor, by mesne assignments, to Withers Brothers, Placentia, Calif. Fresh citrus fruit. 164,990; renewed Feb. 27, 1943.
Bear Creek Vineyard Association, Lodi, Calif. Brandy. 398,461; Oct. 27. Class 49.
Bell Aircraft Corporation, Buffalo, N. Y. Airplanes and structural parts thereof. 398,422–4; Oct. 27; Serial Nos. 453,377–9; published Aug. 18, 1942. Class 19.
Blatt, Harry, doing business as Audubon Tobacco Co., New York, N. Y. Playing cards. 398,434; Oct. 27; Serial No. 453,705; published Aug. 18, 1942. Class 22.
Blechman, S., & Sons, Inc., The, New York, N. Y. Woolen yarn. 165,698; renewed Mar. 20, 1943.
Boonton Molding Company, Boonton, N. J. Molded plastic parts for electrical apparatus, machines and supplies. 398,435; Oct. 27; Serial No. 453,744; published Aug. 18, 1942. Class 21.
Bostock, Claude W., doing business as Corite Co., Los Angeles, Calif. Tiles and sections of composition flooring and cementitious compositions. 398,401; Oct. 27; Serial No. 452,920; published Aug. 18, 1942. Class 12.
Brockett, Arthur A., Little Falls, N. Y. Hoof-rot-remedy. 165,554; renewed Mar. 13, 1943.
Brown Fence & Wire Company, The, Cleveland, Ohio. Electric fence charger. 398,362; Oct. 27; Serial No. 439,586; published Aug. 18, 1942. Class 21.
Brownlee, Joseph P., doing business as Southern Sweet Potato Exchange, Chicago, Ill., assignor, by mesne assignments, to J. F. Dezauche, Opelousas, La. Sweet potatoes. 165,558; renewed Mar. 13, 1943.
C & L Restaurant & Grill, Inc., New York, N. Y. Prepared food products. 398,372; Oct. 27; Serial No. 448,547; published Aug. 18, 1942. Class 46.
Cameron, Wm., & Co. Inc., Waco, Tex. Assembled window units. 398,411–12; Oct. 27; Serial Nos. 453,232–3; published Aug. 18, 1942. Class 12.
Canepa, John B., Company, The, Chicago, Ill. Alimentary pastes. 398,438–9; Oct. 27; Serial Nos. 453,770–1; published Aug. 18, 1942. Class 46.
Chain Belt Company. (See Duckworth Chain & Manufacturing Company, assignor.)
Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Relish and jam sets having a base-metal tray; compression fittings; brass and copper tubing; etc. 398,429; Oct. 27; Serial No. 453,592; published Aug. 18, 1942. Class 13.
Clarke Donelson Co., Yakima, Wash. Fruit juices. 398,378; Oct. 27; Serial No. 449,476; published Aug. 18, 1942. Class 46.
Cluett, Peabody & Co., Inc., Troy, N. Y. Handkerchiefs. 165,458; renewed Mar. 13, 1943.
Cluett, Peabody & Co., Inc., Troy, N. Y. Men's dress and negligee collars. 165,873; renewed Mar. 20, 1943.
Colgate & Co., New York, N. Y., assignor, by mesne assignments, to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap, perfumery, and toilet preparations. 22,546–8; re-renewed Feb. 28, 1943.
Colgate & Co., Jersey City, N. J., and New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soaps. 164,131; renewed Feb. 13, 1943.
Columbia Mills, Inc., The, New York, N. Y. Window screens. 398,459; Oct. 27. Class 12.
Columbian Rope Company, Auburn, N. Y. Rope. 164,404; renewed Feb. 20, 1943.
Consolidated Expanded Metal Companies, The, Wheeling, W. Va. Metal lath. 398,365; Oct. 27; Serial No. 445,197; published Aug. 18, 1942. Class 12.
Corite Co. (See Bostock, Claude W.)
Corrugated Container Company, Philadelphia, Pa., by change of name to Light Corrugated Box Company. Corrugated paper board, containers, cartons, and packing boxes. 164,427; renewed Feb. 20, 1943.
Cushing, Charles G. (See Delta Manufacturing Company, The, assignor.)
Day-Brite Lighting, Inc. (See Siemers-Marshall Electric Co., assignor.)
Dayton Foundry, Inc., Hollydale, Calif. Metal pipe fittings. 398,380; Oct. 27; Serial No. 449,832; published Aug. 18, 1942. Class 13.
Decca Records, Inc., New York, N. Y. Phonographs, mechanical and electrical sound reproducing devices, phonograph records, etc. 398,404; Oct. 27; Serial No. 453,077; published Aug. 18, 1942. Class 36.
Delta Manufacturing Company, The, assignor to Marshall Field, Charles G. Cushing, and H. Campbell Stuckeman, Milwaukee, Wis. Power tools. 398,363; Oct. 27; Serial No. 444,665; published Aug. 18, 1942. Class 23.
Detroit Harvester Company, Detroit, Mich. Channels for guiding movement of vehicle windows, clutches for window regulators, vehicle door handles, etc. 398,413; Oct. 27; Serial No. 453,270; published Aug. 18, 1942. Class 19.

De Wolf, C. H., Company, East Haven, Conn. Pharmaceutical compound. 398,436; Oct. 27; Serial No. 453,748; published Aug. 18, 1942. Class 6.
Dezauche, J. F. (See Brownlee, Joseph P., assignor.)
Distillers Warehouse, Inc., St. Louis, Mo. Wine. 398,383; Oct. 27; Serial No. 450,090; published Aug. 11, 1942. Class 47.
Donahoe's Inc., Pittsburgh, Pa. Chocolates and chocolate-coated candies. 165,763; renewed Mar. 20, 1943.
Draper-Maynard Company, The, Plymouth, N. H., assignor to Sport Products, Inc., Cincinnati, Ohio. Sporting goods. 165,760; renewed Mar. 20, 1943.
Dresswell Shirts Inc., assignor to The Holbrook Corporation, New York, N. Y. Shirts. 164,776; renewed Feb. 27, 1943.
Duckworth Chain & Manufacturing Company, Springfield, Mass., assignor, by mesne assignments, to Chain Belt Company, Milwaukee, Wis. Driving chains. 165,749; renewed Mar. 20, 1943.
Embalmers' Supply Company, The, Westport, Conn. Liquid used in the embalming trade as a mouth closure. 398,447; Oct. 27; Serial No. 454,034; published Aug. 18, 1942. Class 6.
Endo Products, Inc., New York, N. Y. Preparation of gold compound for use in arthritis. 398,432; Oct. 27; Serial No. 453,637; published Aug. 18, 1942. Class 6.
Engineering Specialties Company, Incorporated, New York, N. Y. Non-electric centrifugal action dust and spark arresters and combination non-electric centrifugal action dust and spark arresters and silencers and parts therefor. 398,458; Oct. 27. Class 34.
Esquire, Inc., Chicago, Ill. Prints or pictorial illustrations in post card form. 398,418; Oct. 27; Serial No. 454,003; published Aug. 18, 1942. Class 38.
Fawcett, Wilford H., Minneapolis, Minn., assignor to Fawcett Publications, Inc., Greenwich, Conn. Publication. 163,713; renewed Jan. 23, 1943.
Field, Marshall. (See Delta Manufacturing Company, The, assignor.)
Firestone Tire and Rubber Company, The, Akron, Ohio. Tires, inner tubes, and accessories. 165,169; renewed Mar. 6, 1943.
Flintkote Company, The, Boston, Mass., to The Flintkote Company, New York, N. Y. Roofing material and flooring material. 160,183; renewed Oct. 17, 1942.
Flintkote Company, The, Boston, Mass., to The Flintkote Company, New York, N. Y. Sheathing and building papers. 160,184; renewed Oct. 17, 1942.
Folmer Graflex Corporation, The, Rochester, N. Y. Photographic apparatus. 398,442–3; Oct. 27; Serial Nos. 453,793–4; published Aug. 18, 1942. Class 26.
Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, paper towels, etc. 165,832; renewed Mar. 20, 1943.
Galloway Company, Inc., The, Waterloo, Iowa. Cream separator. 398,444; Oct. 27; Serial No. 453,795; published Aug. 18, 1942. Class 23.
Geigy Company, Inc., New York, N. Y. Dyestuffs. 165,426; renewed Mar. 13, 1943.
General Motors Corporation. (See New Departure Manufacturing Company, assignor.)
Gibson Electric Refrigerator Corporation, Greenville, Mich. Electric cooking stoves. 398,460; Oct. 27. Class 21.
Glover, H. Clay, Company, Inc., New York, N. Y. Mange medicine. 163,929; renewed Feb. 6, 1943.
Grand Rapids Fibre Cord Company, Grand Rapids, Mich. Fiber cord. 165,200; renewed Mar. 6, 1943.
Guyon, Thomas H., Ogden, Utah. Cooked foods. 398,448; Oct. 27. Class 46.
Hall and Babb, Kansas City, Mo. Feeding attachment for paper handling machine. 398,381; Oct. 27; Serial No. 449,903; published Aug. 11, 1942. Class 23.
Hamilton Manufacturing Company, Two Rivers, Wis., and Rahway, N. J. Printers' and composing room furniture. 398,431; Oct. 27; Serial No. 453,622; published Aug. 18, 1942. Class 32.
Hanover Star Milling Co., Germantown, Ill. Wheat flour. 398,375; Oct. 27; Serial No. 449,266; published Aug. 18, 1942. Class 46.
Hanover Star Milling Co., Germantown, Ill. Wheat flour. 398,376; Oct. 27; Serial No. 449,271; published Aug. 18, 1942. Class 46.
Harris-Seybold-Potter Company, Cleveland, Ohio. Wire stitching machines. 398,445; Oct. 27; Serial No. 453,837; published Aug. 11, 1942. Class 23.
Harrison, Monroe, Chicago, Ill. Fruit juices and fruit concentrates. 398,361; Oct. 27; Serial No. 437,865; published Jan. 28, 1942. Class 45.
Hazel-Atlas Glass Company, Wheeling, W. Va. Glass fruit jars. 163,897; renewed Feb. 6, 1943.
Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Perfume and toilet waters, lipstick and face powders. 398,369; Oct. 27; Serial No. 445,726; published Aug. 18, 1942. Class 6.
Hillman, Irving J., Newark, N. J. Shoes. 398,462; Oct. 27. Class 39.
Hirsch, S. H. (See Henry, Sidney.)
Holbrook Corporation, The. (See Dresswell Shirts Inc., assignor.)
Hollis Company, Newark, N. J. Therapeutic vitamin preparation. 398,427; Oct. 27; Serial No. 453,492; published Aug. 18, 1942. Class 6.
Houbigant, Inc., New York, N. Y. Talcum powder and face powder. 164,489; renewed Feb. 20, 1943.
Hubbs, Charles F., & Company, New York, N. Y. Wrapping paper. 160,532; renewed Oct. 24, 1942.
International Brotherhood of Teamsters, Chauffeurs, Stablemen & Helpers of America, Indianapolis, Ind., and Washington, D. C. Books, pamphlets, circulars, etc. 398,358; Oct. 27; Serial No. 406,553; published Aug. 29, 1939. Class 38.
Jame, Perry C., doing business as James Manufacturing Company, Peoria, Ill. Pig brooder houses. 398,396; Oct. 27; Serial No. 452,859; published Aug. 18, 1942. Class 12.
Kancher, Reba, doing business as Parrish Laboratories, Philadelphia, Pa. Medicinal preparation. 398,385; Oct. 27; Serial No. 450,680; published Aug. 18, 1942. Class 6.
Katzman, James R., doing business as Re-Bo Equipment Company, New York, N. Y. Trucks, removable bodies for hand trucks, and skid platforms. 398,425; Oct. 27; Serial No. 453,397; published Aug. 18, 1942. Class 19.
Kellogg Company, Battle Creek, Mich. House organ. 398,399; Oct. 27; Serial No. 452,892; published Aug. 11, 1942. Class 38.
Kellogg Company, Battle Creek, Mich. Stands in the nature of receptacles. 398,400; Oct. 27; Serial No. 452,907; published Aug. 18, 1942. Class 2.
Keyston Flashing Company. (See Orth, Herbert P.)
Koehring Company, Milwaukee, Wis. Concrete distributing or paving machines. 398,414; Oct. 27; Serial No. 453,274; published Aug. 18, 1942. Class 23.
Koray Limited, London, England. Pharmaceutical preparations. 398,364; Oct. 27; Serial No. 444,675; published Aug. 18, 1942. Class 6.
Kraus Bros. & Co., Inc., New York, N. Y. Whiskies, gins, and alcoholic cordials. 398,464; Oct. 27. Class 49.
Le Roi Company, West Allis, Wis. Tractors, plows, cultivators, etc. 398,387; Oct. 27; Serial No. 451,645; published Aug. 11, 1942. Class 23.
Liberty Glass Company, The, Sapulpa, Okla. Glass bottles. 398,457; Oct. 27. Class 33.
Light Corrugated Box Company. (See Corrugated Container Company.)
Loebsack, Gerhard, Cleveland, Ohio. Medicine for lung and liver ailments. 165,581; renewed Mar. 13, 1943.
Malt-Diastase Company, New York, to Malt-Diastase Company, Brooklyn, N. Y. Malt extracts. 159,430; renewed Sept. 26, 1942.
Masonite Corporation, Chicago, Ill. Lignin plastic molding material. 398,393; Oct. 27; Serial No. 452,751; published Aug. 18, 1942. Class 1.
Mawer-Gulden-Annis, Inc., Brooklyn, N. Y. Olives, olive oil, olive butter, etc. 398,463; Oct. 27. Class 46.
McKesson & Robbins, Incorporated, New York, N. Y. Medicinal preparation. 398,426; Oct. 27; Serial No. 453,421; published Aug. 18, 1942. Class 6.
McKim, Orville E., doing business as McKim Dental Service, Port Chester, N. Y. Tooth brushes. 398,446; Oct. 27; Serial No. 453,874; published Aug. 18, 1942. Class 29.
Metal Specialties Manufacturing Co., Chicago, Ill. Automobile body brace and running-board support and visors for automobiles. 165,158; renewed Mar. 6, 1943.
New Departure Manufacturing Company, The, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Brakes for cycles, cycle hubs, and coaster brakes. 160,603; renewed Oct. 24, 1942.
Ohio Seamless Tube Co., The, Shelby, Ohio. Seamless steel tubing. 398,450; Oct. 27. Class 18.
Okay-Ers, The, Kansas City, Mo. Blank certificates of merit. 398,360; Oct. 27; Serial No. 436,625; published Aug. 18, 1942. Class 37.
Onyx Oil & Chemical Company, Jersey City, N. J. Preparation for rendering textiles, fabrics, etc., materials, water, stain, and perspiration resistant. 398,382; Oct. 27; Serial No. 449,912; published Mar. 3, 1942. Class 6.
Orth, Herbert P., doing business as Keystone Flashing Company, Philadelphia, Pa. Building construction flashings. 398,402; Oct. 27; Serial No. 452,932; published Aug. 18, 1942. Class 12.
Pacific Clay Products Co., assignor to Pacific Clay Products, Los Angeles, Calif. Glazed stoneware. 161,251; renewed Nov. 7, 1942.
Parents' Institute, Inc., The, New York, N. Y. Publication. 398,420; Oct. 27; Serial No. 453,337; published Aug. 18, 1942. Class 38.
Parrish Laboratories. (See Kancher, Reba.)
Paul, B. (See Balme, Paul.)
Peters Hermanos, Compañia Comercial E Industrial S. A., Buenos Aires, Argentina. Vermouth, and wines generally. 398,374; Oct. 27; Serial No. 449,066; published Aug. 18, 1942. Class 47.
Pio, Bartolomeo, Philadelphia, Pa. Wines. 398,467; Oct. 27. Class 47.
Pittsburgh Plate Glass Co., Rennous-Kleinle Division, Baltimore, Md., to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Brushes. 164,329; renewed Feb. 20, 1943.
Porter, Henry K., assignor to H. K. Porter, Inc., Everett, Mass. Bolt clippers, wire cutters, pliers, etc. 165,445; renewed Mar. 13, 1943.

Pugh, Gale E., & Co. Inc., Washington, D. C. Dressed poultry. 398,392; Oct. 27; Serial No. 452,652; published Aug. 18, 1942. Class 46.
Quigley Furnace Specialties Co., Incorporated, New York, N. Y., by change of name to Quigley Company, Inc. Calcined pulverized material composed principally of diatomaceous earth. 159,744; renewed Oct. 3, 1942.
Reader's Digest Association, Inc., The, Pleasantville, N. Y. Magazine or periodical written in the Portuguese language. 398,386; Oct. 27; Serial No. 450,906; published Aug. 18, 1942. Class 38.
Re-Bo Equipment Company. (See Katzman, James R.)
Regal Typewriter Company, Inc., New York, N. Y. Typewriting machines and parts thereof. 165,510; renewed Mar. 13, 1943.
Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. Wines. 398,410; Oct. 27; Serial No. 453,185; published Aug. 11, 1942. Class 47.
Renoir Parfums, Ltd., New York, N. Y. Perfumes and toilet water. 398,417; Oct. 27; Serial No. 453,993; published Aug. 18, 1942. Class 6.
Ronrico Corporation, San Juan, P. R., and Miami, Fla. Liquors. 398,367–8; Oct. 27; Serial Nos. 445,474–5; published Aug. 18, 1942. Class 49.
Ronrico Corporation, San Juan, P. R., and Miami, Fla. Liquors. 398,373; Oct. 27; Serial No. 448,580; published Aug. 18, 1942. Class 49.
Rosenberg Bros. & Co., San Francisco, Calif. Dried fruits. 398,451; Oct. 27. Class 46.
Rosenthal & Doucette, Inc., Beverly, Mass., and New York, N. Y. Women's and misses' shoes. 398,390; Oct. 27; Serial No. 453,447; published Aug. 25, 1942. Class 39.
Sallop, Harry A., New York, N. Y. Automobile seat covers. 398,452; Oct. 27. Class 19.
Sandvik Saw & Tool Corporation, New York, N. Y. Chisels. 398,440; Oct. 27; Serial No. 453,781; published Aug. 11, 1942. Class 23.
Screenland Magazine, Inc., New York, N. Y. Magazine. 398,384; Oct. 27; Serial No. 450,604; published Aug. 18, 1942. Class 38.
Searle Aero Industries, Inc., Hawthorne, Calif. Electrical conduits having insulating material. 398,388; Oct. 27; Serial No. 451,730; published Aug. 18, 1942. Class 21.
Sears, H. P., Cycle Co., Oil Department, assignors to Sears Oil Co., Inc., Rome, N. Y. Gasoline, lubricating oil, and lubricating grease. 165,802; renewed Mar. 20, 1943.
Seward, Paul S., Summit, N. J. Newspaper column. 398,403; Oct. 27; Serial No. 453,067; published Aug. 11, 1942. Class 38.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Therapeutic preparations. 398,437; Oct. 27; Serial No. 453,761; published Aug. 18, 1942. Class 6.
Shores Company, Incorporated, The, Cedar Rapids, Iowa. Poultry medicine. 398,405–8; Oct. 27; Serial Nos. 453,122–5; published Aug. 18, 1942. Class 6.
Siemers-Marshall Electric Co., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Electric-lighting fixtures for show cases. 165,182; renewed Mar. 6, 1943.
Singer Manufacturing Company, The, Elizabeth, N. J., and New York, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric fans. 164,387; renewed Feb. 20, 1943.
Smith Bros. Manufacturing Company, Carthage, Mo. Overalls. 164,216; renewed Feb. 13, 1943.
Smith, Kline & French Laboratories, Philadelphia, Pa. Sulfonamides. 398,430; Oct. 27; Serial No. 453,604; published Aug. 18, 1942. Class 6.
Solar Aircraft Company, San Diego, Calif. Exhaust manifolds for internal combustion engines. 398,416; Oct. 27; Serial No. 453,948; published Aug. 11, 1942. Class 23.
Southern Sweet Potato Exchange. (See Brownlee, Joseph P.)
Southern, William, doing business as Southern's Pet Stock Farm, Clifton Hill, Mo. Foods for birds. 398,453; Oct. 27. Class 46.
Sport Products, Inc. (See Draper-Maynard Company, The, assignor.)
Stanco Incorporated. (See Standard Oil Company (Incorporated in New Jersey), assignor.)
Standard Oil Company (Incorporated in New Jersey), Bayonne, N. J., and New York, assignor to Stanco Incorporated, New York, N. Y. White mineral oil. 161,305; renewed Nov. 7, 1942.
Steger-Seven Co., Deerfield, Mich. Preparation for internal use. 398,454; Oct. 27. Class 6.
Stevens & Thompson Paper Company, Greenwich, N. Y. Toilet tissue and towels. 398,389; Oct. 27; Serial No. 451,785; published Aug. 18, 1942. Class 37.
Street & Smith Publications, Inc., New York, N. Y. Articles published at intervals. 398,409; Oct. 27; Serial No. 453,146; published Aug. 11, 1942. Class 38.
Stuckeman, H. Campbell. (See Delta Manufacturing Company, The, assignor.)
Sutton Publishing Company, Inc., New York, N. Y. Periodicals. 398,455; Oct. 27. Class 38.
Sweet Candy Co., Salt Lake City, Utah. Candy. 150,549; renewed Sept. 26, 1942.
Trabert & Hoeffer Inc., New York, N. Y. Rubies and precious stones. 398,465; Oct. 27. Class 28.
Troll, John T., doing business as John T. Troll Co., Beverley Hills, Calif. Candy. 398,370; Oct. 27; Serial No. 446,746; published Aug. 18, 1942. Class 46.
Uddo & Taormina Company, New York, N. Y. Canned peeled tomatoes and tomato paste, minestrone soup, etc. 398,428; Oct. 27; Serial No. 453,576; published Aug. 18, 1942. Class 46.
Union Bag & Paper Corporation, New York, N. Y. Paper bags. 398,456; Oct. 27. Class 2.
United States Hoffman Machinery Corporation, New York, N. Y. Publication. 164,034; renewed Feb. 6, 1943.
United States Rubber Company, New York, N. Y. Seed protectant and disinfectant. 398,419; Oct. 27; Serial No. 454,022; published Aug. 18, 1942. Class 6.
Vita-Min-Go, Inc., New York, N. Y. Vitamins and calcium and iron in pill form. 398,397; Oct. 27; Serial No. 452,815; published Aug. 18, 1942. Class 6.
Voigt Milling Company, Grand Rapids, Mich. Cake flour. 398,359; Oct. 27; Serial No. 426,549; published Aug. 18, 1942. Class 46.
Wenzel, H., Tent & Duck Company, St. Louis, Mo. Tents, tarpaulins, water bags, etc. 398,395–6; Oct. 27; Serial Nos. 452,794–5; published Aug. 18, 1942. Class 50.
Westfield Manufacturing Company, The, Westfield, Mass. Toy two and three wheel cycles and two and three wheel vehicle coasters. 165,747; renewed Mar. 20, 1943.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Chocolates. 165,824; renewed Mar. 20, 1943.
Williams, R. C., & Company, Inc., New York, N. Y. Bluing; lye and potash; disinfectants; etc. 398,433; Oct. 27; Serial No. 453,654; published Aug. 18, 1942. Class 6.
Withers Brothers. (See Bastanchury Ranch Company, assignor.)
Wooster Brass Company, The, Wooster, Ohio. Couplings, nozzles, nozzle attachments and tips, etc. 398,394; Oct. 27; Serial No. 452,758; published Aug. 18, 1942. Class 13.
Zinsser, Wm., & Co. Inc., New York, N. Y. Acetones, denatured alcohols, aniline dyes, etc. 164,728; renewed Feb. 27, 1943.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Lignin plastic molding materials. Masonite Corporation. 398,393; Oct. 27; Serial No. 452,751; published Aug. 18, 1942.

CLASS 2

Bags, Paper. Union Bag & Paper Corporation. 398,456; Oct. 27.
Corrugated paper board, containers, cartons, and packing boxes. Corrugated Container Company. 164,427; renewed Feb. 20, 1943.
Stands in the nature of receptacles. Kellogg Company. 398,400; Oct. 27; Serial No. 452,907; published Aug. 18, 1942.

CLASS 4

Soaps. Colgate & Co. 164,131; renewed Feb. 13, 1943.

CLASSES 4 AND 6

Soap, perfumery, and toilet preparations. Colgate & Co. 22,546–8; re-renewed Feb. 28, 1943.

CLASS 6

Acetones, denatured alcohols, aniline dyes, etc. Wm. Zinsser & Co. Inc. 164,728; renewed Feb. 27, 1943.
Bluing; lye; and potash; disinfectants; etc. R. C. Williams & Company. 398,433; Oct. 27; Serial No. 453,654; published Aug. 18, 1942.
Dyestuffs. Geigy Company. 165,426; renewed Mar. 13, 1943.
Hair dye. P. Balme. 165,811; renewed Mar. 20, 1943.
Hoof-rot-remedy. A. A. Brockett. 165,554; renewed Mar. 13, 1943.
Liquid used in the embalming trade as a mouth closure. Embalmers' Supply Company. 398,447; Oct. 27; Serial No. 454,034; published Aug. 18, 1942.
Mange medicine. H. Clay Glover Company. 163,929; renewed Feb. 6, 1943.
Medicinal preparation. R. Kancher. 398,385; Oct. 27; Serial No. 450,680; published Aug. 18, 1942.
Medicinal preparation. McKesson & Robbins, Incorporated; 398,426; Oct. 27; Serial No. 453,421; published Aug. 18, 1942.
Medicine for lung and liver ailments. G. Loebsack. 165,581; renewed Mar. 13, 1943.

Medicine, Poultry. Shores Company. 398,405–8; Oct 27; Serial No. 453,122–5; published Aug. 18, 1942.
Mineral oil, White. Standard Oil Company (Incorporated in New Jersey) 161,305; renewed Nov. 7, 1942.
Perfume and toilet waters, lipstick and face powders. S. Henry. 398,369; Oct. 27; Serial No. 445,726; published Aug. 18, 1942.
Perfumes and toilet water. Renoir Parfums, Ltd. 398,417; Oct. 27; Serial No. 453,993; published Aug. 18, 1942.
Pharmaceutical compound. C. H. De Wolf Company. 398,436; Oct. 27; Serial No. 453,748; published Aug. 18, 1942.
Pharmaceutical preparations. Koray Limited. 398,364; Oct. 27; Serial No. 444,675; published Aug. 18, 1942.
Plasters and the ingredients for making plasters. P. Barbaglia. 398,466; Oct. 27.
Polish, cream and compact rouges, and lipstick; Nail. Elizabeth Arden Sales Corporation. 398,415; Oct. 27; Serial No. 453,908; published Aug. 18, 1942.
Powder and face powder, Talcum. Houbigant, Inc. 164,489; renewed Feb. 20, 1943.
Preparation for internal use. Steger-Seven Co. 398,454; Oct. 27.
Preparation for rendering textiles, fabrics, etc. materials, water, stain, and perspiration resistant. Onyx Oil & Chemical Company. 398,382; Oct. 27; Serial No. 449,912; published Mar. 3, 1942.
Preparation of gold compound for use in arthritis. Edno Products, Inc. 398,432; Oct. 27; Serial No. 453,637; published Aug. 18, 1942.
Protectant and disinfectant, Seed. United States Rubber Company. 398,419; Oct. 27; Serial No. 454,022; published Aug. 18, 1942.
Sulfonamides. Smith, Kline & French Laboratories. 398,430; Oct. 27; Serial No. 453,604; published Aug. 18, 1942.
Therapeutic preparations. Sharp & Dohme, Incorporated. 398,437; Oct. 27; Serial No. 453,761; published Aug. 18, 1942.
Vitamin preparation, Therapeutic. Hollis Company. 398,427; Oct. 27; Serial No. 453,492; published Aug. 18, 1942.
Vitamins and calcium and iron in pill form. Vita-Min-Go, Inc. 398,397; Oct. 27; Serial No. 452,815; published Aug. 18, 1942.

CLASS 7

Cord, Fiber. Grand Rapids Fibre Cord Company. 165,200; renewed Mar. 6, 1943.
Rope. Columbian Rope Company. 164,404; renewed Feb. 20, 1943.

CLASS 12

Brooder houses, Pig. P. C. James. 398,398; Oct. 27; Serial No. 452,859; published Aug. 18, 1942.
Building construction flashings. H. P. Orth. 398,402; Oct. 27; Serial No. 452,932; published Aug. 18, 1942.
Calcined pulverized material composed principally of diatomaceous earth. Quigley Furnace Specialties Co. 159,744; renewed Oct. 3, 1942.
Hardener for cement masonry, Liquid. Anti-Hydro Waterproofing Company. 163,009; renewed Jan. 2, 1943.
Lath, Metal. Consolidated Expanded Metal Companies. 398,365; Oct. 27; Serial No. 445,197; published Aug. 18, 1942.
Refractory preparations for furnace linings. Basic Refractories, Inc. 398,468; Oct. 27.
Roofing material and flooring material. Flintkote Company. 160,183; renewed Oct. 17, 1942.
Screens, Window. Columbia Mills, Inc. 398,459; Oct. 27.
Sheathing and building papers. Flintkote Company. 160,184; renewed Oct. 17, 1942.
Tiles and sections of composition flooring and cementitious compositions. C. W. Bostock. 398,401; Oct. 27; Serial No. 452,920; published Aug. 18, 1942.
Window units, Assembled. Wm. Cameron & Co. Inc. 398,411–12; Oct. 27; Serial Nos. 453,232–3; published Aug. 18, 1942.

CLASS 13

Chains, Driving. Duckworth Chain & Manufacturing Company. 165,749; renewed Mar. 20, 1943.
Couplings, nozzles, nozzle attachments and tips, etc. Wooster Brass Company. 398,394; Oct. 27; Serial No. 452,758; published Aug. 18, 1942.
Fixtures of porcelain for bathrooms. S. D. Baker. 159,271; renewed Sept. 26, 1942.
Pipe fittings, Metal. Dayton Foundry, Inc. 398,380; Oct. 27; Serial No. 449,832; published Aug. 18, 1942.
Sets having a base-metal tray; compression fittings; brass and copper tubing; etc., Relish and jam. Chase Brass & Copper Co. Incorporated. 398,429; Oct. 27; Serial No. 453,592; published Aug. 18, 1942.
Steel tubing, Seamless. Ohio Seamless Tube Co. 398,450; Oct. 27.

CLASS 14

Metal, Pieces of sparking. Art metal Works, Inc. 160,372; renewed Oct. 24, 1942.

CLASS 15

Gasoline, lubricating oil, and lubricating grease. H. P. Sears Cycle Co., Oil Department. 165,802; renewed Mar. 20, 1943.

CLASS 19.

Airplanes and structural parts thereof. Bell Aircraft Corporation. 398,422–4; Oct. 27; Serial Nos. 453,377–9; published Aug. 18, 1942.
Automobile body brace and running board support and visors for automobiles. Metal Specialties Manufacturing Co. 165,158; renewed Mar. 6, 1943.
Automobile seat covers. H. A. Sallop. 398,452; Oct. 27.
Brakes for cycles, cycle hubs, and coaster brakes. New Departure Manufacturing Company. 160,603; renewed Oct. 24, 1942.
Channels for guiding movement of vehicle windows, clutches for window regulators, vehicle door handles, etc. Detroit Harvester Company. 398,413; Oct. 27; Serial No. 453,270; published Aug. 18, 1942.
Trucks, removable bodies for hand trucks, and skid platforms. J. R. Katzman. 398,425; Oct. 27; Serial No. 453,397; published Aug. 18, 1942.

CLASS 21

Electric cooking stoves. Gibson Electric Refrigerator Corporation. 398,460; Oct. 27.
Electric fence charger. Brown Fence & Wire Company. 398,362; Oct. 27; Serial No. 439,586; published Aug. 18, 1942.
Electric-lighting fixtures for show cases. Siemers-Marshall Electric Co. 165,182; renewed Mar. 6, 1943.
Electrical conduits having insulating materials. Searle Aero Industries, Inc. 398,388; Oct. 27; Serial No. 451,730; published Aug. 18, 1942.
Fans, Electric. Singer Manufacturing Company. 164,387; renewed Feb. 20, 1943.
Molded plastic parts for electrical apparatus, machines and supplies. Boonton Molding Company. 398,435; Oct. 27; Serial No. 453,744; published Aug. 18, 1942.

CLASS 22

Game equipment and sporting goods. American Display Company. 398,449; Oct. 27.
Playing cards. H. Biatt. 398,434; Oct. 27; Serial No. 453,705; published Aug. 18, 1942.
Sporting goods. Draper-Maynard Company. 165,760; renewed Mar. 20, 1943.
Toy two and three wheel cycles and two and three wheel vehicle coasters. Westfield Manufacturing Company. 165,747; renewed Mar. 20, 1943.

CLASS 23

Bolt clippers, wire cutters, pliers, etc. H. K. Porter. 165,445; renewed Mar. 13, 1943.
Chisels. Sandvik Saw & Tool Corporation. 398,440; Oct. 27; Serial No. 453,781; published Aug. 11, 1942.
Concrete distributing or paving machines. Koehring Company. 398,414; Oct. 27; Serial No. 453,274; published Aug. 18, 1942.
Exhaust manifolds for internal combustion engines. Solar Aircraft Company. 398,416; Oct. 27; Serial No. 453,948; published Aug. 11, 1942.
Feeding attachment for paper handling machine. Hall and Babb. 398,381; Oct. 27; Serial No. 449,903; published Aug. 11, 1942.
Implements and hand tools, Hand agricultural. American Fork & Hoe Company. 398,379; Oct. 27; Serial No. 449,818; published Aug. 11, 1942.
Separator, Cream. Galloway Company. 398,444; Oct. 27; Serial No. 453,795; published Aug. 18, 1942.
Stitching machines, Wire. Harris-Seybold-Potter Company. 398,445; Oct. 27; Serial No. 453,837; published Aug. 11, 1942.
Tools, Power. Delta Manufacturing Company. 398,363; Oct. 27; Serial No. 444,665; published Aug. 18, 1942.
Tractors, plows, cultivators, etc. Le Roi Company. 398,387; Oct. 27; Serial No. 451,645; published Aug. 11, 1942.
Typewriting machines and parts thereof. Regal Typewriter Company. 165,510; renewed Mar. 13, 1943.

CLASS 26

Photogrammetric instruments. Aero Service Corporation. 398,366; Oct. 27; Serial No. 445,248; published Nov. 11, 1941.
Photographic apparatus. Folmer Graflex Corporation. 398,442–3; Oct. 27; Serial Nos. 453,793–4; published Aug. 18, 1942.

CLASS 28

Rubies and precious stones. Trabert & Hoeffer Inc. 398,465; Oct. 27.

CLASS 29

Brushes. Pittsburgh Plate Glass Co. 164,329; renewed Feb. 20, 1943.
Brushes, Tooth. O. E. McKim. 398,446; Oct. 27; Serial No. 453,874; published Aug. 18, 1942.

CLASS 30

Stoneware, Glazed. Pacific Clay Products Co. 161,251; renewed Nov. 7, 1942.

CLASS 32

Furniture, Printers' and composing room. Hamilton Manufacturing Company. 398,431; Oct. 27; Serial No. 453,622; published Aug. 18, 1942.

CLASS 33

Bottles, Glass. Liberty Glass Company. 398,457; Oct. 27.
Glass fruit jars. Hazel-Atlas Glass Company. 163,897; renewed Feb. 6, 1943.

CLASS 34

Centrifugal action dust and spark arresters and combination non-electric centrifugal action dust and spark arresters and silencers and parts therefor. Engineering Specialties Company. 398,458; Oct. 27.
Ventilators. Airolite Company. 398,421; Oct. 27; Serial No. 453,352; published Aug. 18, 1942

CLASS 35

Tires, inner tubes, and accessories. Firestone Tire and Rubber Company. 165,169; renewed Mar. 6, 1943.

CLASS 36

Phonographs, mechanical and electrical sound reproducing devices, phonograph records, etc. Decca Records, Inc. 398,404; Oct. 27; Serial No. 453,077; published Aug. 18, 1942.

CLASS 37

Certificates of merit, Blank. Okay-Ers. 398,360; Oct. 27; Serial No. 436,625; published Aug. 18, 1942.
Paper, paper napkins, paper towels, etc., Toilet. Fort Howard Paper Company. 165,832; renewed Mar. 20, 1943.
Paper, Wrapping. Charles F. Hubbs & Company. 160,532; renewed Oct. 24, 1942.
Tissue and towels, Toilet. Stevens & Thompson Paper Company. 398,389; Oct. 27; Serial No. 451,785; published Aug. 18, 1942.

CLASS 38

Articles published at intervals. Street & Smith Publications, Inc. 398,409; Oct. 27; Serial No. 453,146; published Aug. 11, 1942.
Books, pamphlets, circulars, etc. International Brotherhood of Teamsters, Chauffeurs, Stablemen & Helpers of America. 398,358; Oct. 27; Serial No. 406,553; published Aug. 29, 1939.
House organ. Kellogg Company. 398,399; Oct. 27; Serial No. 452,892; published Aug. 11, 1942.
Magazine. Screenland Magazine, Inc. 398,384; Oct. 27; Serial No. 450,604; published Aug. 18, 1942.
Magazine or periodical written in the Portuguese language. Reader's Digest Association, Inc. 398,386; Oct. 27; Serial No. 450,906; published Aug. 18, 1942.
Newspaper column. P. S. Seward. 398,403; Oct. 27; Serial No. 453,067; published Aug. 11, 1942.
Periodicals. Sutton Publishing Company. 398,455; Oct. 27.
Prints or pictorial illustrations in post card form. Esquire, Inc. 398,418; Oct. 27; Serial No. 454,003; published Aug. 18, 1942.
Publication. W. H. Fawcett. 163,713; renewed Jan. 23, 1943.
Publication. United States Hoffman Machinery Corporation. 164,034; renewed Feb. 6, 1943.
Publication. Parents' Institute, Inc. 398,420; Oct. 27; Serial No. 453,337; published Aug. 18, 1942.
Publication. Anemostat Corporation of America. 398,441; Oct. 27; Serial No. 453,785; published Aug. 18, 1942.

CLASS 39

Collars, Men's dress and negligee. Cluett, Peabody & Co. 165,873; renewed Mar. 20, 1943.
Handkerchiefs. Cluett, Peabody & Co. 165,458; renewed Mar. 13, 1943.
Overalls. Smith Bros. Manufacturing Company. 164,216; renewed Feb. 13, 1943.
Shirts. Dresswell Shirts Inc. 164,776; renewed Feb. 27, 1943.
Shoes. I. J. Hillman. 398,462; Oct. 27.
Shoes, Women's and misses'. Rosenthal & Doucette, Inc. 398,390; Oct. 27; Serial No. 453,447; published Aug. 25, 1942.
Suits and overcoats, Men's. Barron, Anderson Co. 155,610; renewed June 6, 1942.
Underwear. B. V. D. Company. 161,067; renewed Nov. 7, 1942.

CLASS 43

Yarn, Woolen. S. Blechman & Sons, Inc. 165,698; renewed Mar. 20, 1943.

CLASS 45

Fruit juices and fruit concentrates. M. Harrison. 398,361; Oct. 27; Serial No. 437,865; published Jan. 28, 1941.

CLASS 46

Candy. Sweet Candy Co. 159,549; renewed Sept. 26, 1942.
Candy. J. T. Troll. 398,370; Oct. 27; Serial No. 446,746; published Aug. 18, 1942.
Canned fruits, canned vegetables, canned fruit and vegetable juices. Bagley Canning Company. 398,371; Oct. 27; Serial No. 447,789; published Aug. 18, 1942.
Canned peeled tomatoes and tomato paste, minestrone soups, etc. Uddo & Taormina Company. 398,428; Oct. 27; Serial No. 453,576; published Aug. 18, 1942.
Chocolates. Stephen F. Whitman & Son, Inc. 165,824; renewed Mar. 20, 1943.
Chocolates and chocolate-coated candies. Donahoe's Inc. 165,763; renewed Mar. 20, 1943.
Flour, Cake. Voigt Milling Company. 398,359; Oct. 27; Serial No. 426,549; published Aug. 18, 1942.
Flour, Wheat. Hanover Star Milling Co. 398,375; Oct. 27; Serial No. 449,266; published Aug. 18, 1942.
Flour, Wheat. Hanover Star Milling Co. 398,376; Oct. 27; Serial No. 449,271; published Aug. 18, 1942.
Food products, Prepared. C & L Restaurant & Grill, Inc. 398,372; Oct. 27; Serial No. 448,547; published Aug. 18, 1942.
Foods, Cooked. T. H. Guyon. 398,448; Oct. 27.
Foods for birds. W. Southern. 398,453; Oct. 27.
Fruit, Fresh citrus. Bastanchury Ranch Company. 164,990; renewed Feb. 27, 1943.
Fruit juices. Clarke Donelson Co. 398,376; Oct. 27; Serial No. 449,476; published Aug. 18, 1942.
Fruits, Dried. Rosenberg Bros. & Co. 398,451; Oct. 27.
Malt extracts. Malt-Diastase Company. 159,430; renewed Sept. 26, 1942.
Olives, olive oil, olive butter, etc. Mawer-Gulden-Annis, Inc. 398,463; Oct. 27.
Pastes, Alimentary. J. B. Canepa Company. 398,438–9; Oct. 27; Serial Nos. 453,770–1; published Aug. 18, 1942.
Potatoes, Sweet. J. P. Brownlee. 165,558; renewed Mar. 13, 1943.
Poultry, Dressed. Gale E. Pugh & Co. Inc. 398,392; Oct. 27; Serial No. 452,652; published Aug. 18, 1942.
Vegetables and grapes, Fresh. A. Arena and Co. 398,391; Oct. 27; Serial No. 452,597; published Aug. 18, 1942.

CLASS 47

Vermouth, and wines generally. Peters Hermanos, Compañia Commercial E Industrial S. A. 398,374; Oct. 27; Serial No. 449,066; published Aug. 18, 1942.
Wine. Distillers Warehouse, Inc. 398,383; Oct. 27; Serial No. 450,090; published Aug. 11, 1942.
Wines. L. N. Renault & Son, Inc. 398,410; Oct. 27; Serial No. 453,185; published Aug. 11, 1942.
Wines. B. Pio. 398,467; Oct. 27.

CLASS 49

Brandy. Bear Creek Vineyard Association. 398,461; Oct. 27.
Liquors. Ronrico Corporation. 398,367–8; Oct. 27; Serial Nos. 445,474–5; published Aug. 18, 1942.
Liquors. Ronrico Corporation. 398,373; Oct. 27; Serial No. 448,580; published Aug. 18, 1942.
Whiskies, gins, and alcoholic cordials. Kraus Bros. & Co. 398,464; Oct. 27.

CLASS 50

Closures for containers. Aridor Company. 398,377; Oct. 27; Serial No. 449,535; published Aug. 18, 1942.
Tents, tarpaulins, water bags, etc. H. Wenzel Tent & Duck Company. 398,395–6; Oct. 27; Serial Nos. 452,794–5; published Aug. 18, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

All American Aviation, Inc. (See Kelton, Ralph I., assignor.
Bergmann, Ernst R., Evergreen Park, assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding mechanism for shaker or jigging conveyers. Re. 22,209; Oct. 27.
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
De Simó, Martin, Piedmont, and F. B. Hilmer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polymerization of olefines. Re. 22,210; Oct. 27.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. Re. 22,211; Oct. 27.
Goodman Manufacturing Company. (See Bergmann, Ernst R., assignor.)
Hilmer, Frederick B. (See de Simó, M., and Hilmer.)
Imperial Chemical Industries, Limited. (See Walmesley, Robert A., assignor.)
Kelton, Ralph I., Watertown, Mass., assignor to All American Aviation, Inc., New Castle County, Del. Aerial mail exchange. Re. 22,212; Oct. 27.
Shell Development Company. (See de Simó, M., and Hilmer, assignors.)
Walmesley, Robert A., Howwood, Scotland, assignor to Imperial Chemical Industries, Limited. Process for the recovery of glycerol from still residues from fermentation processes. Re. 22,213; Oct. 27.
Westinghouse Electric & Manufacturing Company. (See Yoxsimer, Orland H., assignor.)
Yoxsimer, Orland H., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. Re. 22,214; Oct. 27.

LIST OF DESIGN PATENTEES

Allen, Grosvenor N. and L. E. Ressegger, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 134,197; Oct. 27.
Allen, Grosvenor N. and W. H. Gerth, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 134,198; Oct. 27.
American Fabrics Company. (See Wackerman, Charles S., assignor.)
Anderson, David E., Los Angeles, Calif. Combination bathroom unit. 134,199; Oct. 27.
Anderson, Walter M., Montgomery, Ala. Flag. 134,170; Oct. 27.
Barber, Howard B., Glenview, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Refrigerator. 134,160; Oct. 27.
Behrman, Harry P., St. Albans, N. Y. Wallet. 134,200; Oct. 27.
Belshaw, Charles F., Greenville, Mich. Bottle carrier. 134,185; Oct. 27.
Carson, Netye, New York, N. Y. Dress. 134,201; Oct. 27.
Club Aluminum Products Co. (See Peterson, Amos, assignor.)
Coleman, Frank P., Hammond, Ind. Lapel button. 134,186; Oct. 27.
Columbus McKinnon Chain Corporation. (See Parker, Humphrey F., assignor.)
Dauster, John F., Wilkinsburg, R. E. Hartline, Swissvale, and P. C. Perrin, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Gas detector. 134,171; Oct. 27.
De Ment, Robert R., Cleveland Heights, Ohio. Kneeling rail. 134,161; Oct. 27.
Dixon, Joseph, Crucible Company. (See Hasselquist, Hugo S., assignor.)
Falardo, Nicholas, New York, N. Y. Statuette. 134,187; Oct. 27.
Fauth, J. Morgan, New York, N. Y. Dress. 134,202; Oct. 27.
Ferer, Kay, Inc. (See Herrmann, Harry R., assignor.)
Ferer, Kay, Inc. (See Norton, Marjorie, assignor.)
Ferer, Kay, Inc. (See Ormsbee, Caroline, assignor.)
Gerth, William H. (See Allen, G. N., and Gerth.)
Green, Jack, New York, N. Y. Combined bottle and encasement therefor. 134,188; Oct. 27.
Grossman, Edward, Chicago, Ill. Cuspidor or similar article. 134,162; Oct. 27.
Grossman, Edward, Chicago, Ill. Cuspidor or similar article. 134,163; Oct. 27.
Grudin, Louis, New York, N. Y. Flag or the like. 134,172; Oct. 27.
Harpignies, Zinaida, Kew Gardens, N. Y. Hat. 134,203; Oct. 27.
Harpignies, Zinaida, Kew Gardens, N. Y. Hat. 134,204; Oct. 27.
Hartline, Ralph E. (See Dauster, J. F., Hartline, and Perrin.)
Hasselquist, Hugo S., Oak Park, Ill., assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Mechanical pencil tip. 134,205; Oct. 27.
Hasselquist, Hugo S., Oak Park, Ill., assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Mechanical pencil tip. 134,206; Oct. 27.
Hasselquist, Hugo S., Oak Park, Ill., assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Mechanical pencil tip. 134,216; Oct. 27.
Heintz, Ralph M., assignor to Jack & Heintz, Inc., Cleveland, Ohio. Engine starting unit. 134,189; Oct. 27.
Herrmann, Harry R., assignor to Kay Ferer, Inc., St. Louis, Mo. Dress. 134,207; Oct. 27.
Jack & Heintz, Inc. (See Heintz, Ralph M., assignor.)
Julianelli, Charles A. (See Julianelli, Mabel and C. A.)
Julianelli, Mabel and C. A., New York, N. Y. Shoe. 134,192; Oct. 27.
Kafka, Elsa M., New York, N. Y. Display figure or similar article. 134,190; Oct. 27.
Kanter, Edward, Cleveland Heights, Ohio. Cigarette pack holder. 134,173; Oct. 27.
Keil, Frank J., New York, N. Y. Applique emblem or similar article. 134,174; Oct. 27.
Keil, Frank J., New York, N. Y. Applique emblem or similar article. 134,175; Oct. 27.
Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Photoelectric cell. 134,176; Oct. 27.
Lampl, Walter, New York, N. Y. Ring or the like. 134,177; Oct. 27.
Lipari, Francis X., New York, N. Y. Combined sole and heel. 134,193; Oct. 27.
Locilento, Nicholas, Cliffside, N. J. Slipper. 134,194; Oct. 27.
Maisch, Jacques E., New York, N. Y. Textile fabric. 134,217; Oct. 27.
Maisch, Jacques E., New York, N. Y. Textile fabric. 134,218; Oct. 27.
Maisch, Jacques E., New York, N. Y. Textile fabric. 134,219; Oct. 27.
Maisch, Jacques E., New York, N. Y. Textile fabric. 134,220; Oct. 27.
Maulsby, Ralph E., assignor of thirty-three and one-third per cent to P. A. Wiegand and thirty-three and one-third per cent to H. K. Meece, Wichita, Kans. Badge. 134,178; Oct. 27.
McAdam, Will, South Euclid, assignor to The Ohio Gear Company, Cleveland, Ohio. Badge or the like. 134,195; Oct. 27.
McCoy, Marion, St. Louis, Mo. Dress. 134,221; Oct. 27.
McCoy, Marion, St. Louis, Mo. Dress. 134,222; Oct. 27.
McCoy, Marion, St. Louis, Mo. Dress. 134,223; Oct. 27.
McCoy, Marion, St. Louis, Mo. Dress. 134,224; Oct. 27.
McCoy, Marion, St. Louis, Mo. Dress. 134,225; Oct. 27.
McCrary, Eunice G., West Point, Miss. Spool holder. 134,208; Oct. 27.
Meece, Harold K. (See Maulsby, Ralph E., assignor.)
Mine Safety Appliances Company. (See Dauster, J. F., Hartline, and Perrin, assignors.)
Montgomery Ward & Co. (See Barber, Howard B., assignor.)
Moore, Edward R., New York, N. Y. Medal. 134,191; Oct. 27.
Morheat Corporation. (See Renz, Alfred F., assignor.)
Nielsen, Christian F., Reykjavik, Iceland. Deck of playing cards. 134,179; Oct. 27.
Norton, Marjorie, assignor to Kay Ferer, Inc., St. Louis, Mo. Dress. 134,209; Oct. 27.
Norton, Marjorie, assignor to Kay Ferer, Inc., St. Louis, Mo. Dress. 134,210; Oct. 27.
Norton, Marjorie, assignor to Kay Ferer, Inc., St. Louis, Mo. Dress. 134,211; Oct. 27.
Novick, Daniel. (See Raab, Jacob, assignor.)
Ohio Gear Company, The. (See McAdam, Will, assignor.)

Oneida Ltd. (See Allen, G. N., and Ressegger, assignors.)
Ormsbee, Caroline, Webster Groves, assignor to Kay Ferer, Inc., St. Louis, Mo. Dress. 134,226; Oct. 27.
Ormsbee, Caroline, Webster Groves, assignor to Kay Ferer, Inc., St. Louis, Mo. Dress. 134,227; Oct. 27.
Parker, Humphrey F., Kenmore, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Hoist. 134,180; Oct. 27.
Parnis, Mollie, New York, N. Y. Dress. 134,228; Oct. 27.
Perrin, Paul C. (See Dauster, J. F., Hartline, and Perrin.)
Peterson, Amos, Berwyn, assignor to Club Aluminum Products Co., Chicago, Ill. Filter disk for drip coffee makers. 134,164; Oct. 27.
Pullan, Edward A., Los Angeles, Calif. Electrical draftsman's symbol template. 134,212; Oct. 27.
Quaker Lace Company Incorporated. (See Wolf, William, assignor.)
Raab, Jacob, assignor to D. Novick, Chicago, Ill. Textile fabric or the like. 134,229; Oct. 27.
Renz, Alfred F., assignor to Morheat Corporation, Milwaukee, Wis. Boiler. 134,213; Oct. 27.
Ressegger, Lloyd E. (See Allen, G. N., and Ressegger.)
Rosenstein, Charles, Paterson, N. J. Textile fabric or similar article. 134,230; Oct. 27.
Schneider, Karl, assignor to Sears, Roebuck and Co., Chicago, Ill. Cooking vessel. 134,165; Oct. 27.
Schneider, Karl, assignor to Sears, Roebuck and Co., Chicago, Ill. Cooking vessel. 134,166; Oct. 27.
Schneider, Karl, assignor to Sears, Roebuck and Co., Chicago, Ill. Double boiler or the like. 134,167; Oct. 27.
Schneider, Karl, assignor to Sears, Roebuck and Co., Chicago, Ill. Coffeepot or the like. 134,168; Oct. 27.
Schneider, Karl, assignor to Sears, Roebuck and Co., Chicago, Ill. Coffee maker. 134,169; Oct. 27.
Schwartz, Philip, Springfield, Mass. Bottle or similar article. 134,181; Oct. 27.
Sears, Roebuck and Co. (See Schneider, Karl, assignor.)
Shapiro, Samuel, Brooklyn, N. Y. Crochet hook. 134,231; Oct. 27.
Simmons, Leona, New York, N. Y. Dress. 134,232; Oct. 25.
Smith, Raymond W., Chicago, Ill. Filling horn. 134,196; Oct. 27.
Stahl, Harold H., New York, N. Y. Dress. 134,214; Oct. 27.
Stahl, Harold H., New York, N. Y. Dress. 134,215; Oct. 27.
Wackerman, Charles S., assignor to The American Fabrics Company, Bridgeport, Conn. Narrow woven fabric. 134,233; Oct. 27.
Wackerman, Charles S., assignor to The American Fabrics Company, Bridgeport, Conn. Narrow woven fabric. 134,234; Oct. 27.
Wagner, Frank A., St. Paul, Minn. Airplane. 134,182; Oct. 27.
Warde, Harry H., Kansas City, Kans. Lamp shade. 134,183; Oct. 27.
Weston Electrical Instrument Corporation. (See Lamb, Anthony H., assignor.)
White, John D., Wichita Falls, Tex. Food service building or the like. 134,184; Oct. 27.
Wiegand, Paul A. (See Maulsby, Ralph E., assignor.)
Wolf, William, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 134,235; Oct. 27.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abos, Ralph L. (See Stoody, S. M., and Abos.)
Achterman, Ernest, Westfield, assignor to M. Novello, Scotch Plains, N. J. Combined gas generator and heater. 2,300,244; Oct. 27.
Acker, George H., Shaker Heights, assignor to The Farval Corporation, Cleveland, Ohio. Lubricant measuring valve. 2,300,330; Oct. 27.
Adams, Robert W., Waban, Mass. Game apparatus. 2,299,781; Oct. 27.
Advance Engineering Company. (See Huarisa, John, assignor.)
Ainsworth Manufacturing Corporation. (See Potter, Albert T., assignor.)
Air Reduction Company. (See Connell, Karl, assignor.)
Aircraft Industries Co. (See Nicholson, Hugh, assignor.)
Aktieselskabet Maelkeriet "Enigheden." (See Hansen, Otto, assignor.)
Alien Property Custodian. (See Keunecke, E., and Muench.)
Alien Property Custodian. (See Veyder, Hans.)
Alkire, Lee O., assignor to Industrial Patents Corporation, Chicago, Ill. Treatment of ham. 2,299,946; Oct. 27.
Allbright, Allen R., Oakland, Calif. Rodent poison feeder. 2,299,723; Oct. 27.
Allen, Charles F. H., and C. V. Wilson, Rochester, N. Y. Surface active materials. 2,299,782; Oct. 27.
Allen-Codell Company. (See Allen, James B., assignor.)
Allen, Frank M., Summit, N. J., assignor to Congoleum-Nairn Inc. Covering. 2,300,193; Oct. 27.
Allen, James B., assignor to Allen-Codell Company, Winchester, Ky. Hydraulic controlled drag broom. 2,300,192; Oct. 27.
Allen, Marshall R., Findlay, Ohio. Treatment of sugar solutions. 2,299,783; Oct. 27.
Allis-Chalmers Manufacturing Company. (See Dortort, Isadore K., assignor.)
Allis-Chalmers Manufacturing Company. (See Kollberg, G. L., and Shaw, assignors.)
Allis-Chalmers Manufacturing Company. (See Lindsay, Horace W., assignor.)
Allis-Chalmers Manufacturing Company. (See Stivender, Edward H., assignor.)
Alispeed Electric Motors Limited. (See Solness, Tuomo T., assignor.)
Alsing, Carl F., North Wilbraham, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,300,086; Oct. 27.
Aluminum Company of America. (See Whitzel, Raymond T., assignor.)
American Electrical Heater Company. (See Kuhn, F., and Thomas, assignors.)
American Optical Company. (See Poeton, Lawrence, assignor.)
American Optical Company. (See Schumacher Elmer L., assignor.)
American Sales Book Company, Inc. (See Hageman, Louis F., assignor.)
American Steel and Wire Company, The. (See Febrey, Harold H., assignor.)
American Steel Foundries. (See Baselt, W. H., and Helsten, assignors.)
American Telephone and Telegraph Company. (See Dewire, Donald S., assignor.)
American Telephone and Telegraph Company. (See Egner, R. J., and Walker, assignors.)
American Telephone and Telegraph Company. (See Gammell, Ernest O., assignor.)
American Telephone and Telegraph Company. (See Hunter, Frederick R., assignor.)
American Telephone and Telegraph Company. (See Leonard, J. M., and Borgenson, assignors.)
American Telephone and Telegraph Company. (See Neale, Dury J., assignor.)
American Telephone and Telegraph Company. (See Nelswinter, James T., assignor.)
American Telephone and Telegraph Company. (See Richards, Kenneth W., assignor.)
Anderson, Alvin G., Greenville, S. C., assignor to C. R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office. Apparatus for sampling liquids. 2,300,194; Oct. 27.
Anderson Box Company. (See Ferguson, Kenneth C., assignor.)
Anderson, Raymond T., Berea, assignor to The V. D. Anderson Company, Cleveland, Ohio. Liquid expressing system. 2,299,784; Oct. 27.
Anderson, V. D., Company, The. (See Anderson, Raymond T., assignor.)
Anello, Tony P., Tampa, Fla. Electric marine cable stripper. 2,300,087; Oct. 27.
Anemostat Corporation of America. (See Kurth, Franz J., assignor.)
Ansul Chemical Company. (See Ehman, P. J., and Walker, assignors.)
Apex Electrical Manufacturing Company, The. (See McCabe, John J., assignor.)
Appleford Paper Products, Ltd. (See Huffman, Louis, assignor.)
Appley, James W., St. Petersburg, Fla. Molding machine for plastic material. 2,299,724; Oct. 27.
Arendt, Morton, New York, N. Y. Display system for moving vehicles. 2,299,731; Oct. 27.
Argabrite, George M., deceased, Chicago, Ill., by M. M. Walker, formerly M. M. Argabrite, executrix, Cheyenne, Wyo., and F. S. Stout and J. E. Leach, Camden, N. J.; said M. M. Walker, assignor to W. H. Argabrite, Des Plaines, Ill. Drying leather. 2,299,725; Oct. 27.
Argabrite, Margaret M. (See Argabrite, George M.)
Argabrite, Wesley H. (See Argabrite, George M., assignor.)
Arras, George, Chicago, Ill. Electric fixture. 2,299,870; Oct. 27.
Artis, Edward J., Caldwell, Idaho. Chimney extension. 2,300,088; Oct. 27.
Artistic Foundations, Inc. (See Kahn, Mack, assignor.)
Atlantic Coast Fisheries Company, The. (See Raynolds, James A., Jr., assignor.)
Atlantic Rayon Corporation. (See Raymond, H. H., and Little, assignors.)
Atlas Powder Company. (See Hales, Ralph A., assignor.)
Auburn, Hubert, Mount Healthy, assignor to The Tenacity Manufacturing Co., Lockland, Ohio. Post for record books. 2,300,089; Oct. 27.
Auer, László, South Orange, N. J. Modifying fatty oils. 2,300,090; Oct. 27.
Autographic Register Company. (See Johnson, Arthur A., assignor.)
Automatic Devices Corporation. (See Lehmann, Herbert G., assignor.)
Automatic Safety Wringer Company. (See Williams, Charles W., assignor.)
Avigdor, Rifat, Geneva, Switzerland. Sealing of shafts. 2,300,331; Oct. 27.
Avigdor, Rifat, Toronto, Ontario, Canada. Fuel feed device for aircraft. 2,300,332; Oct. 27.
Babcock & Wilcox Company, The. (See Bailey, E. G., and Savoye, assignors.)
Babcock & Wilcox Company, The. (See Harter, Isaac, assignor.)
Bailey, Ervin G., Easton, Pa., and C. U. Savoye, Hackensack, assignors to The Babcock & Wilcox Company, Newark, N. J. Steam generator. 2,299,732; Oct. 27.
Bailey, Perkins H., New York, N. Y., assignor to Talon, Inc. Garment construction. 2,299,947; Oct. 27.
Baird, Charles, assignor to Crobalt, Inc., Ann Arbor, Mich. Cutting metal alloy. 2,299,871; Oct. 27.
Ball & Ball Carburetor Company. (See Ball, Thomas M., assignor.)
Ball, Thomas M., assignor to Ball & Ball Carburetor Company, Detroit, Mich. Carburetor pickup system. 2,299,872; Oct. 27.
Barber-Colman Company. (See Lind, Harry G., assignor.)
Barbotto, José, Medellin, Colombia, assignor to Draper Corporation, Hopedale, Mass. Selvage-forming device. 2,300,281; Oct. 27.
Bardell, William B. (See Shaner, N. M., and Bardell.)
Barrett, Edward L., La Grange, assignor to Barrett Engineering Company, Chicago, Ill. Radio antenna. 2,299,785; Oct. 27.
Barrett Engineering Company. (See Barrett, Edward L., assignor.)
Barry, William D., Washington, Pa. Shoe pad. 2,300,091; Oct. 27.
Barton, Armand, assignor of one-half to L. Vulcan, Chicago, Ill. Card holder. 2,300,333; Oct. 27.
Baselt, Walter H., and W. A. Helsten, assignors to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,299,726; Oct. 27.
Battye, Albert E., J. Tankard and F. C. Wood, assignors to Tootal Broadhurst Lee Company, Limited, Manchester, England. Treating textile materials. 2,299,786; Oct. 27.
Baum, Frederick W., Scarsdale, N. Y., assignor of one-fourth to S. Ruben, New Rochelle, N. Y., and one-fourth to M. W. Clephane, Englewood, N. J. Weather compensating temperature control device. 2,300,092; Oct. 27.

Bausch & Lomb Optical Company. (See Dittmer, Arthur F., assignor.)
Bausch & Lomb Optical Company. (See Flint, Edward F., assignor.)
Bausch & Lomb Optical Company. (See Hall, Leigh B., assignor.)
Bay Chemical Company. (See Lippman, Alfred, Jr., assignor.)
Bayer, Edward, Texarkana, Ark. Record playing automotive horn. 2,300,093; Oct. 27.
Beal, Fay, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electrical connection means. 2,299,787; Oct. 27.
Beaven, Leslie W., Chicago, Ill. Internal combustion rotary engine. 2,300,094; Oct. 27.
Beckel, Victor V., Ferndale, and W. M. Giezen, Monroe, assignors to Chrysler Corporation, Highland Park, Mich. Leaf spring. 2,299,873; Oct. 27.
Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Television transmitter. 2,299,875; Oct. 27.
Beecher, Henry W., Seattle, Wash., assignor to Gladding McBean and Company. Furnace wall construction. 2,299,874; Oct. 27.
Bell, Burgess H., deceased, by G. W. Bell, Hollywood, Calif., administratrix. Camera construction. 2,300,245; Oct. 27.
Bell, Glen W., administratrix. (See Bell, Burgess H.)
Bell Telephone Laboratories, Incorporated. (See Blair, Royer R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bozorth, R. M., and Williams, assignors.)
Bell Telephone Laboratories, Incorporated. (See Gent, Edgar W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Holden, William H. T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Horton, Arthur W., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Horton, A. W., Jr., Murphy, and Vaughan, assignors.)
Bell Telephone Laboratories, Incorporated. (See Langabeer, H. T., and Trucksess, assignors.)
Bell Telephone Laboratories, Incorporated. (See Mallina, Rudolph F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Nyquist, Harry, assignor.)
Bell Telephone Laboratories, Incorporated. (See Raymond, Ralph, assignor.)
Bell Telephone Laboratories, Incorporated. (See Smith, A. K., and Smythe, assignors.)
Bell Telephone Laboratories, Incorporated. (See Swartzell, Karl D., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Sykes, Roger A., assignor.)
Benander, George B., Oaklawn, assignor to The Monowatt Electric Corporation, Providence, R. I. Electrical connector. 2,299,733; Oct. 27.
Bendix Aviation Corporation. (See Buxton, James E., assignor.)
Bendix Aviation Corporation. (See Fell, William F., assignor.)
Bendix Aviation Corporation. (See Nordone, Romeo M., assignor.)
Benedict, Wayne L., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic cracking of hydrocarbons. 2,300,031; Oct. 27.
Bennett, Ralph S., Pittsfield, Mass., assignor to General Electric Company. Electrical apparatus. 2,300,195; Oct. 27.
Berg, Emil G. (See Te Pas, E. J., and Berg.)
Berg, Emil G., Erie, Pa. Cutter head for shaving devices. 2,300,143; Oct. 27.
Bergmann, Herbert, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electromagnetic rotating field system. 2,300,334; Oct. 27.
Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lip turning machine. 2,299,788; Oct. 27.
Best, Percy. (See Van Der Sluys, W., and Best.)
Bethlehem Steel Company. (See Dougherty, R. S. A., and White, assignor.)
Bethlehem Steel Company. (See Eberhardt, John E., assignor.)
Betts, Frank A., Fort Collins, Colo. Surgical speculum. 2,300,040; Oct. 27.
Betts, John R., Kearney, Nebr. Variable capacity pump. 2,299,734; Oct. 27.
Birkhofer, John J., Union, assignor to The Kroydon Co. Inc., Maplewood, N. J. Joint for golf clubs and the like. 2,299,735; Oct. 27.
Birr, Rudolph G., Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Dispensing cabinet and stop mechanism therefor. 2,299,729; Oct. 27.
Black, John F., assignor to Circo Products Company, Cleveland, Ohio. Apparatus for degreasing gear castings. 2,299,789; Oct. 27.
Blair, Royer R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 2,300,366; Oct. 27.
Blauvelt Associates, Inc. (See Blauvelt, W. S., and Curry, assignors.)
Blauvelt, Warren S., and N. A. Curry, assignors to Blauvelt Associates, Inc., Troy, N. Y. Furnace and associated parts. 2,299,727; Oct. 27.
Bleakney, Jay. (See Swarthout, Edward L., assignor.)
Bloch, Herman S. (See Pines, H., and Bloch.)
Bludworth, Joseph E., Cumberland, Md., assignor to Celanese Corporation of America. Oxidation of hydrocarbons. 2,299,790; Oct. 27.
Boles, Harry S. (See Johnson, G. C., and Boles.)
Bonebrake, Frederick T., assignor of one-fourth to C. H. Martin, and one-fourth to F. P. Martin, Topeka, Kans. Pitman. 2,300,335; Oct. 27.
Borgeson, Carl A. (See Leonard, J. M., and Borgeson.)
Bornstein, Ira I., Kansas City, Mo. Vessel attachment. 2,299,730; Oct. 27.
Boulton, James J., Alta Vista Township, Lincoln County, Minn. Loader and tractor structure. 2,299,791; Oct. 27.
Bouwers, Albert, and A. van den Berg, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube. 2,299,792; Oct. 27.
Bowan, Walter J. (See Mueller, F. H., and Bowan.)
Bowers, Archibald C., Greensburg, Pa., assignor to Pennsylvania Rubber Company. Machine and method for covering balls. 2,300,095; Oct. 27.
Bowers, Archibald C., Greensburg, Pa., assignor to Pennsylvania Rubber Company. Ball-covering machine. 2,300,096; Oct. 27.
Bowlus, Omer E. (See Sherman, V. W., and Bowlus.)
Bowser, S. F., & Company. (See Griffith, Clement P., assignor.)
Bozarth, Abe R., Cleveland, assignor to The Harshaw Chemical Company, Elyria, Ohio. Manufacture of selenium red pigments. 2,300,196; Oct. 27.
Bozorth, Richard M., Short Hills, and H. J. Williams, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic alloy of iron and aluminum. 2,300,336; Oct. 27.
Bradley, Luther S., Deming, Wash. Making moisture supplying shipping pads and the products thereof. 2,300,041; Oct. 27.
Branch, Edward B. (See Summer, G. V., and Branch.)
Brannon, Herbert E., Detroit, Mich. Electric circuit breaker. 2,299,728; Oct. 27.
Breeze, George E., assignor to Chrysler Corporation, Highland Park, Mich. Direction signal switch. 2,299,876; Oct. 27.
Brentz, Harry W., Millstadt, Ill. Control system. 2,299,959; Oct. 27.
Brett, Roy C. (See Osborn, H. C., Jr., Brown, and Brett.)
Brewster, Truman P., Chicago, and A. C. McKahan, Wilmette, Ill. Bracket and transposing wires. 2,299,960; Oct. 27.
Bridgeport Fabrics, Inc. (See Spraragen, Louis, assignor.)
Briehl, Fred, Wallkill, N. Y. Headlight. 2,300,097; Oct. 27.
Briggs Manufacturing Company. (See Platz, Henry T., assignor.)
Briney, Ottis R., Jr., Pontiac, Mich. Supporting structure for feed screw nuts. 2,299,961; Oct. 27.
Brooks, John R., Altavista, Va., and J. T. Colvard, Drayton, S. C. Electric stop motion device for looms. 2,300,098; Oct. 27.
Brouwer, Benjamin W., Auburn, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Support for shifting shuttle box mechanisms. 2,300,199; Oct. 27.
Brouwer, Benjamin W., Auburn, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle box support for weft replenishing looms. 2,300,200; Oct. 27.
Brown and Sharpe Manufacturing Company. (See Graves, B. P., and Weimar, assignors.)
Brown, Carl S. (See Osborn, H. C., Jr., Brown, and Brett.)
Brown, Cecil L. (See Laughlin, K. C., and Brown.)
Brown, Theodore R., Schenectady, N. Y., assignor to General Electric Company. Peak velocity indicator. 2,300,198; Oct. 27.
Brown, Thomas A., Cramerton, N. C., assignor to Emmons Loom Harness Company, Lawrence, Mass. Heddle frame. 2,300,197; Oct. 27.
Brucite Processes, Inc. (See Caldwell, Lyle, assignor.)
Brucker, Henry, Maplewood, N. J. Machine for forming and conveying pouring spouts for containers. 2,300,099; Oct. 27.
Brunhoff, Henry E., Wyoming, Ohio, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Bottle carrier. 2,300,201; Oct. 27.
Brunhoff Manufacturing Company, The. (See Brunhoff, Henry E., assignor.)
Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. 9, 9 di-(β-carbamyl-ethyl) fluorene. 2,299,948; Oct. 27.
Bryant Heater Company, The. (See Downe, Edward R., assignor.)
Bryant Heater Company, The. (See Higley, Frank R., assignor.)
Budd, Edward G., Manufacturing Company. (See Stever, William, assignor.)
Budd, Edward G., Manufacturing Company. (See Weightman, William A., assignor.)
Bunting Glider Company. (See Goldberg, Aaron S., assignor.)

Burns, Lloyd E., Springfield, and V. T. Fahringer, Longmeadow, Mass., assignors to A. G. Spalding & Bros. Inc., New York, N. Y. Method and apparatus for straining, bending, and vibration-detecting tests. 2,299,722; Oct. 27.
Burridge Co., The. (See Ketchum, Elmer H., assignor.)
Butler, William L., Schenectady, N. Y., assignor to General Electric Company. Circuit breaker. 2,300,202; Oct. 27.
Buxton, Incorporated. (See Buxton, Warner R., assignor.)
Buxton, James E., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,300,337; Oct. 27.
Buxton, Mabel A., executrix. (See Buxton, Warner R.)
Buxton, Warner R., Longmeadow, deceased; M. A. Buxton, Longmeadow, Mass., executrix, assignor to Buxton, Incorporated. Flexible pocket receptacle. 2,300,144; Oct. 27.
Byers Machine Company, The. (See Teager, Stephen R., assignor.)
Byrkit, George P., Glendale, Calif. Gravitationally actuated hanger. 2,299,962; Oct. 27.
Calculli, Nunzio D., Bronx, N. Y. Orthopedic shoe. 2,300,100; Oct. 27.
Caldwell, Lyle, Los Angeles, assignor to Brucite Processes, Inc., San Francisco, Calif. Calcining apparatus. 2,300,042; Oct. 27.
Calkins, William G., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Making porous metal frictional material. 2,299,877; Oct. 27.
Camerota, Louis A., Burlington, N. J., and C. E. Powell, Philadelphia, Pa., assignors to Florence Pipe Foundry & Machine Company, Florence, N. J. Hydraulic press and the like. 2,300,338; Oct. 27.
Camerota, Louis A., Burlington, assignor to Florence Pipe Foundry & Machine Company, Florence, N. J. Press. 2,300,339; Oct. 27.
Campbell, Edgar W., assignor to Hammett Manufacturing Company, Kansas City, Mo. Welding torch. 2,300,203; Oct. 27.
Canister Company, The. (See Wakefield, Richard E. B., assignor.)
Cannaday, James C., V. Tengue, and J. Ledbetter, Providence, Ky. Life saving system. 2,299,793; Oct. 27.
Capita, Emil R., Flushing, N. Y. Spark gap and circuit therefor. 2,300,101; Oct. 27.
Carbide and Carbon Chemicals Corporation. (See Toussaint, W. J., and MacDowell, Jr., assignors.)
Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Machine for producing gears. 2,300,340; Oct. 27.
Carlson, John I. W., Washington, D. C. Clothesline fastener. 2,299,794; Oct. 27.
Carlson, Vernon E., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,300,204; Oct. 27.
Carnegie-Illinois Steel Corporation. (See Ralston, Howard J., assignor.)
Carney, George, Duluth, Minn. Golf club. 2,300,043; Oct. 27.
Cassidy, Peter L., et al. (See Wright, Clarence, assignor.)
Cavoto, Tomaso, San Francisco, Calif. Dispensing apparatus of the magazine type. 2,299,736; Oct. 27.
Cayton, Dora D., Kinston, N. C. Posting tray and signature card file. 2,299,795; Oct. 27.
Celanese Corporation of America. (See Bludworth, Joseph E., assignor.)
Celanese Corporation of America. (See Dreyfus, H., and Groombridge, assignors.)
Chambers, Isaac M., Narberth, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Spring suspension for car trucks. 2,300,341; Oct. 27.
Chandler, Homer P., deceased, by L. C. Chandler, administratrix, assignor to The Ohio Brass Company, Mansfield, Ohio. Junction box. 2,299,878; Oct. 27.
Chandler, Lillian C., administratrix. (See Chandler, Homer P.)
Chase-Shawmut Company, The. (See Wood, Morris B., assignor.)
Chase, Theron P., assignor to General Motors Corporation, Detroit, Mich. Brake cooling device. 2,299,796; Oct. 27.
Cheney, Ralph G., Tacoma, Wash., assignor to Plastal Specialties Company. Garter clasp. 2,300,342; Oct. 27.
Chenicek, Joseph A., and R. H. Rosenwald, assignors to Universal Oil Products Company, Chicago, Ill. Inhibitor for gasoline. 2,300,246; Oct. 27.
Cherry-Burrell Corporation. (See Lippold, Adolph J., assignor.)
Chicago Flexible Shaft Company. (See Jepson, Ivar, assignor.)
Chicago Flexible Shaft Company. (See Storm, Herbert F., assignor.)
Christensen, Paul L., Pittsfield, Mass., assignor to General Electric Company. Apparatus mounting arrangement. 2,300,205; Oct. 27.
Christensen, Paul M., Newington, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Cover interlock for electrical casings. 2,300,102; Oct. 27.
Chrysler Corporation. (See Beckel, V. V., and Giezen, assignors.)
Chrysler Corporation. (See Breeze, George E., assignor.)
Chrysler Corporation. (See Calkins, William G., assignor.)
Chrysler Corporation. (See Dunn, William T., assignor.)
Chrysler Corporation. (See Fishburn, Otto E., assignor.)
Chrysler Corporation. (See Jackson, Clifford C., assignor.)
Chrysler Corporation. (See Sherman, V. W., and Bowlus, assignors.)
Chrysler Corporation. (See Slack, F. W., and Utz, assignors.)
Cinch Manufacturing Corporation. (See Del Camp, Scipione M., assignor.)
Cinch Manufacturing Corporation. (See Peters, Arthur C., assignor.)
Circo Products Company. (See Black, John F., assignor.)
City Fuel Oil and Coal Company. (See Johnston, James O., assignor.)
Clark, Charles H., San Francisco, Calif. Foot-propelled boat. 2,299,737; Oct. 27.
Clark, Joseph B., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Testing well. 2,300,206; Oct. 27.
Clark, Lydia M. (See Farmer, Sarah C., assignor.)
Clay, Murray G., Chicago, Ill. Hoisting mechanism. 2,300,343; Oct. 27.
Claytor, Edwin E., Long Beach, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,300,103; Oct. 27.
Clegg, John P., Pine Bluff, Ark. Wrench. 2,300,344; Oct. 27.
Clephane, Malcolm W., et al. (See Baum, Frederick W., assignor.)
Clerc, Leonard F., Chicago, Ill. Refrigerating cabinet. 2,300,345; Oct. 27.
Clough, Maud M., New York, N. Y. World clock. 2,299,913; Oct. 27.
Cloutier, Arthur N., Lonsdale, assignor to Hemphill Company, Central Falls, R. I. Mechanism for and method of determining the plating relations of yarns in knitted fabrics. 2,299,797; Oct. 27.
Colegrove, Nathaniel E., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Folding treadle for sewing machines. 2,300,104; Oct. 27.
Coleman, Theodore. (See Pool, Byron R., assignor.)
Coleman, Theodore K. (See Pool, Byron R., assignor.)
Collins, Lee A., Louisville, Ky. Making and re-creating records. 2,299,738; Oct. 27.
Colosimo, Joseph, Los Angeles, Calif. Heating means. 2,300,105; Oct. 27.
Colson, Nicholas A. (See Colucci, Nicholas A.)
Colson, Ralph H., West Roxbury, and E. A. Sullivan, Leominster, Mass. Electrical clearance measuring system. 2,299,798; Oct. 27.
Colt's Patent Fire Arms Manufacturing Company. (See Christensen, Paul M., assignor.)
Colucci, Nicholas A., Rochester, N. Y., now by judicial change of name to N. A. Colson. Clutch. 2,299,739; Oct. 27.
Columbian Bank Note Company. (See Francescon, Daniel L., assignor.)
Columbus McKinnon Chain Corp. (See Haynes, Arthur M., assignor.)
Colvard, Jesse T. (See Brooks, J. R., and Colvard.)
Colwell, Archie T. (See Crawford, F. C., and Colwell.)
Congoleum-Nairn Inc. (See Allen, Frank M., assignor.)
Connell, Karl, Branch, N. Y., assignor to Air Reduction Company, Incorporated. Respirator. 2,300,273; Oct. 27.
Connolly, Gerald C., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic treatment. 2,300,106; Oct. 27.
Continental Aviation and Engineering Corporation. (See Kinnucan, James W., assignor.)
Corlew, Clarence M. (See Fleming, C. E., Corlew, and Orr.)
Correll, Forrest E., Huntington Park, Calif. Device for pointing lead pencils. 2,299,799; Oct. 27.
Couch, Glenn F., assignor to The Symington-Gould Corporation, Rochester, N. Y. Journal box assembly. 2,300,346; Oct. 27.
Coultas, Wilbur J. (See Paradise, L. A., and Coultas.)
Courchene, Theodore P., and L. G. Miller, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,299,800; Oct. 27.
Cort, Frank T., assignor to Deere & Company, Moline, Ill. Tire pump. 2,299,879; Oct. 27.
Cramer, Paul L., Highland Park, assignor to General Motors Corporation, Detroit, Mich. Motor fuel. 2,299,801; Oct. 27.
Crane Co. (See Smak, Julius R., assignor.)
Crane Co. (See Zinkil, R. H., Fredrickson, and Marchand, Jr., assignors.)
Crawford Door Company. (See Siess, Henry J., assignor.)
Crawford, Frederick C., and A. T. Colwell, assignors to Thompson Products, Inc., Cleveland, Ohio. Piston ring. 2,299,863; Oct. 27.
Crobalt, Inc. (See Baird, Charles, assignor.)
Crom, John M., Jackson Heights, N. Y., assignor to The Preload Company, Boston, Mass. Monolithic foundation. 2,299,949; Oct. 27.

Crompton & Knowles Loom Work. (See Brouwer, Benjamin W., assignor.)
Crompton & Knowles Loom Works. (See Grzesik, Joseph, assignor.)
Crouch, Reginald H., London, England. Electrical treatment of water to reduce effects of hardness thereof. 2,299,964; Oct. 27.
Crown Cork & Seal Company. (See Goebel, George, assignor.)
Crown Fastener Corporation. (See Kellum, Paul S., assignor.)
Cuff, James E., Hinsdale, Ill. Device for holding dishes in cupboards. 2,300,207; Oct. 27.
Curado, Joseph G., Rutherford, and R. A. Denton, Mountain View, N. J., assignors to General Printing Ink Corporation, New York, N. Y. Apparatus and method of testing surfaces. 2,300,107; Oct. 27.
Curie, Chester P., Los Angeles, Calif. Illuminating mechanism for handbags. 2,300,108; Oct. 27.
Curry, Nolan A. (See Blauvelt, W. S., and Curry.)
Curtiss-Wright Corporation. (See Hamilton, E. L., Whistler, Dechend, and Lee, assignors.)
Cutler-Hammer, Inc. (See Townsend, Percy W., assignor.)
Cutler Mail Chute Co. (See Harper, John D., assignor.)
Dahl, Otto, Berlin-Wilmersdorf, and F. Pawlek, Berlin-Kopenick, Germany, assignors to General Electric Company. Annealing austenitic steels. 2,300,274; Oct. 27.
Dahlke, Adolph R., Wausau, Wis. Bedpan ventilator. 2,300,109; Oct. 27.
D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Copolymerization product of vinyl halides and nuclearly halogenated arylalkanol esters of acrylic acid. 2,229,740; Oct. 27.
D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Plasticized vinyl compounds. 2,299,741; Oct. 27.
D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Urea-aldehyde resin composition. 2,300,208; Oct. 27.
Dalton, John T., Durham, N. C. Trigonometrical calculating device. 2,300,347; Oct. 27.
Dana, Frank E., Kilgore, Tex. Cleaning oil wells. 2,300,348; Oct. 27.
Daniels, Lee G., Rockford, Ill. Valve. 2,299,802; Oct. 27.
Davis, John V., assignor to The Udylite Corporation, Detroit, Mich. Apparatus for handling articles in bulk. 2,299,965; Oct. 27.
Davis, Leland L., Kansas City, Mo., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley switch and frog. 2,299,880; Oct. 27.
Davis, Leland L., Kansas City, Mo., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley switch and frog. 2,300,390; Oct. 27.
Dearbaugh, Gilbert W., Adena, Colo. Egg carton. 2,299,966; Oct. 27.
Deaton, Charles U., Centralia, Ill. Game. 2,299,803; Oct. 27.
Dechend, William G. (See Hamilton, E. L., Whistler, Dechend, and Lee.)
Deere & Company. (See Court, Frank T., assignor.)
Deere & Company. (See Paradise, L. A., and Coultas, assignors.)
De Fallardi, Ana B., Buenos Aires, Argentina. Container for liquids. 2,299,804; Oct. 27.
De Hoog, Aulene B. (See De Hoog, Raymond E., assignor.)
De Hoog, Raymond E., assignor to A. B. De Hoog, White Plains, N. Y. Liquid meter. 2,300,110; Oct. 27.
Deimel, Albert H. (See Peterson, C. D., and Deimel.)
De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 2,300,145; Oct. 27.
Del Camp, Scipione M., Maywood, assignor to Cinch Manufactnring Corporation, Chicago, Ill. Fastener and fastener installation. 2,300,349; Oct. 27.
Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Company, Chicago, Ill. Socket and socket installation. 2,300,350; Oct. 27.
Delta Drilling Company. (See Johnston, Edwin L., assignor.)
Demo, Max J., Julian, Calif. Electric drill. 2,299,881; Oct. 27.
Denison, William E., assignor to Ditto, Incorporated, Chicago, Ill. Moistener for duplicating machines. 2,299,967; Oct. 27.
Denman, Harry B., assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich. Packing. 2,299,805; Oct. 27.
Denton, Richard A. (See Curado, J. G., and Denton.)
De Tar, Donald R., Stratford, Conn., assignor to General Electric Company. Record reproducing device. 2,300,209; Oct. 27.
Detroit Gasket & Manufacturing Company. (See Denman, Harry B., assignor.)
Dewire, Donald S., Delmar, N. Y., assignor to American Telephone and Telegraph Company. Telephone subscriber's station. 2,300,044; Oct. 27.
Dietrichson, William F., Berwick, Pa. Railway car threshold plate. 2,299,968; Oct. 27.
Dinsley, Alfred, La Canada, assignor of one-half to Charles L. McCarthy, National City, and one-half to W. H. Rabsahl, San Diego, Calif. Producing colloidal lead iodide. 2,300,275; Oct. 27.
Dion, Amedee, Ste. Therese de Blainville, Quebec, Canada. Adjustable coupling. 2,300,247; Oct. 27.
Dittmer, Arthur F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for making contact lenses. 2,300,210; Oct. 27.
Ditto, Incorporated. (See Denison, William E., assignor.)
Ditto, Incorporated. (See Grobecker, Hugo H., assignor.)
Ditto, Incorporated. (See Kokay, Stephen, assignor.)
Ditto, Incorporated. (See Williams, Robert A., assignor.)
Dodge, William A., administrator. (See Pupee, Heinz.)
Dole Valve Company, The. (See Lund, James K., assignor.)
Dominion Electrical Manufacturing, Inc. (See Tams, Austin F., assignor.)
Dominion Engineering Works Limited. (See Maude, John H., assignor.)
Donaldson, Ray W., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley switch. 2,299,882; Oct. 27.
Dorter, Isadore K., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric valve converting system. 2,300,377; Oct. 27.
Dosser, Robert C. (See Prescott, R. F., Dosser, and Sculati.)
Dougherty, Robert S. A., and C. L. White, Bethlehem, Pa., assignors to Bethlehem Steel Company. Transmission tower structure. 2,300,351; Oct. 27.
Douglas Aircraft Company. See King, L. L., and Taylor, assignors.)
Douglas, H. A. Mfg. Co. (See Beal, Fay, assignor.)
D'Ouville, Edmond L. (See Evering, B. L., and D'Ouville.)
Dow Chemical Company, The. (See Minger, F. R., and Scoles, assignors.)
Dow Chemical Company, The. (See Prescott, R. F., Dosser, and Sculati, assignors.)
Downe, Edward R., Shaker Heights, assignor to The Bryant Heater Company, Cleveland, Ohio. Gas burner control. 2,300,146; Oct. 27.
Draper Corporation. (See Barbotto, José, assignor.)
Dreyfus, Henry, London, and W. H. Groombridge, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of acetone from ethyl alcohol. 2,299,806; Oct. 27.
Dunbar, Charles, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Treatment of cellulosic textile materials. 2,299,807; Oct. 27.
Dunn, William T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Fluid coupling. 2,299,883; Oct. 27.
Du Pont, E. I., de Nemours & Company. (See Eberlin, Walter C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Flaherty, F. T., and McAlevy, assignors.)
Du Pont, E. I., de Nemours & Company. See Jackson, Leroy G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lawson, W. E., and Woodbury, assignors.)
Du Pont, E. I., de Nemours & Company. (See McQueen, David M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Schulze, Ferdinand, assignor.)
Du Pont, E. I., de Nemours & Company. (See Stafford, Robert H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Strain, Daniel E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sturgis, Bernhard M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Worthington, Hood, assignor.)
Durite Plastics, Incorporated. (See Novotny, E. E., and Vogelsang, assignors.)
Earle, Roland D., Cohasset, Mass. Flexible cement. 2,300,352; Oct. 27.
Eash, John R., assignor to The Howe Scale Company, Rutland, Vt. Scale. 2,300,282; Oct. 27.
Eberhardt, John E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Making seamless tubing. 2,300,353; Oct. 27.
Eberlin, Walter C., Kenmore, N. Y., assignor to E. I. du l'ont de Nemours & Company, Wilmington, Del. Film producing process and apparatus. 2,300,211; Oct. 27.
Eddison, William B., Irvington, N. Y. Unbalance correction method and machine. 2,300,354; Oct. 27.
Edlund, John L., Calgary, Alberta, Canada. Faucet and valve therefor. 2,300,111; Oct. 27.
Edwards, Evan A., Cambridge, Mass., assignor to Taylor Instrument Companies, Rochester, N. Y. Relay valve. 2,299,884; Oct. 27.
Egner, Robert J., Ridgewood, and C. R. Walker, Jersey City, N. J., assignors to American Telephone and Telegraph Company. Signaling arrangement for telegraph systems. 2,299,969; Oct. 27.
Ehman, Philip J., and W. O. Walker, assignors to Ansul Chemical Company, Marinette, Wis. Preparing phosgene oxime. 2,299,742; Oct. 27.
Electro Metallurgical Company. (See Franks, Russell, assignor.)
Ellefsen, Tönnes, Porsgrunn, Norway. Production of carbides and ferro-alloys. 2,300,355; Oct. 27.
Ellinwood, Herman R., Burbank, Calif. Hydraulic cylinder by-pass control. 2,300,112; Oct. 27.

Ellsworth, Walter A., and J. E. Mills, assignors to Seeger Refrigerator Company, St. Paul, Minn. Adjustable shelf in combination with refrigerator compartment. 2,299,885; Oct. 27.
Elnett, Anthony A., New York, N. Y. Frame for blackboards. 2,300,248; Oct. 27.
Emmons Loom Harness Company. (See Brown, Thomas, assignor.)
Emulsol Corporation, The. (See Katzman, M., and Harris, assignors.)
Engel, Karl, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Prewelt shoe and manufacturing the same. 2,299,808; Oct. 27.
Epstein, Albert K., Chicago, Ill. Composition of matter. 2,299,743; Oct. 27.
Ernst, Eugene and G., Livingston, N. J. Reflex type water gauge. 2,299,970; Oct. 27.
Ernst, Goswin. (See Ernst, Eugene and G.)
Ershler, Samuel H., Woodcliff, N. J. Coffee urn. 2,299,809; Oct. 27.
Etten, Nicholas L., Waterloo, Iowa. Belt wringer. 2,299,886; Oct. 27.
Evering, Bernard L., and E. L. d'Ouville, assignors to Standard Oil Company, Chicago, Ill. Catalytic conversion process. 2,300,249; Oct. 27.
Ex-Cell-O Corporation. (See Snader, Ira J., assignor.)
Faber, Herbert A., Cincinnati, Ohio. Building construction. 2,300,113; Oct. 27.
Fageol, Robley D., Grosse Pointe Farms, Mich., and W. E. Leibing, San Rafael, Calif., assignors to Leibing-Fageol Company, Detroit, Mich. Governor. 2,300,378; Oct. 27.
Fahringer, Victor T. (See Burns, L. E., and Fahringer.)
Fansteel Metallurgical Corporation. (See Gwyn, Childress B., Jr., assignor.)
Farmer, Sarah C., Eugene, Oreg., assignor of one-half to L. M. Clark, Modesto, Calif. Peach stoner. 2,300,212; Oct. 27.
Farval Corporation, The. (See Acker, George H., assignor.)
Fatland, Conrad, Chicago, Ill. Brush and mop holder. 2,299,810; Oct. 27.
Faulhaber Company, The. (See Faulhaber, Roland W., assignor.)
Faulhaber, Roland W., assignor to The Faulhaber Company, Monroeville, Ohio. Saddle construction. 2,300,379; Oct. 27.
Faulhaber, Roland W., assignor to The Faulhaber Company, Monroeville, Ohio. Process and apparatus for making cycle saddles. 2,300,380; Oct. 27.
Febrey, Harold H., South Orange, N. J., assignor to The American Steel and Wire Company of New Jersey. Terminal for rail bonds. 2,300,356; Oct. 27.
Feddersen, John F., and D. Roberts, assignors to H. & A. Selmer, Inc., Elkhart, Ind. Musical instrument stand. 2,299,829; Oct. 27.
Feicht, Robert N., Dayton, Ohio. Direct reading computer. 2,299,744; Oct. 27.
Feicht, Robert N., assignor to General Motors Corporation, Dayton, Ohio. Compressor for refrigerating apparatus. 2,299,811; Oct. 27.
Fell, William F., Trenton, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Controlling system. 2,299,887; Oct. 27.
Ferguson, Kenneth C., assignor to Anderson Box Company, Indianapolis, Ind. Complete stickless, stapleless chick box. 2,299,812; Oct. 27.
Ferro Engineering Company, The. (See Urmetz, Walter W., assignor.)
Fesenmaier, Edwin R., Morton, Minn. Concrete mixer. 2,299,888; Oct. 27.
Fir-Tex Insulating Board Co. (See Salisbury, Arthur C., assignor.)
Fishburn, Otto E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Remote shift mechanism. 2,299,889; Oct. 27.
Fisher, Arthur W., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Track circuit apparatus. 2,300,250; Oct. 27.
Fisher, Harmon F., assignor to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for dewaxing oil. 2,300,283; Oct. 27.
Flaherty, Franklin T., Swarthmore, Pa., and A. McAlevy, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Boron fluoride complex as catalyst for the esterification of cellulose. 2,300,213; Oct. 27.
Fleming, Clifford E., C. M. Corlew and F. L. Orr, Denver, Colo., assignors of one-fourth to James O'Keefe, Stavely, Alberta, Canada. Washing machine. 2,300,214; Oct. 27.
Flint, Edward F., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Variable focus lens. 2,300,251; Oct. 27.
Florence Pipe Foundry & Machine Company. (See Camerota, Louis A., assignor.)
Florence Pipe Foundry & Machine Company. (See Camerota, L. A., and Powell, assignors.)
Fluharty, Omar L. (See Hensel, F. R., Larsen, and Fluharty.)
Follett, John E. (See Juculano, T. C., and Follett.)
Foote-Burt Company, The. (See Ruppel, Harry W., assignor.)
Foshee, William S., Montgomery, Ala. Lift truck. 2,299,971; Oct. 27.
Francescon, Daniel L., Oak Park, Ill., assignor to Columbian Bank Note Company. Printed form. 2,299,890; Oct. 27.
Franks, Russell, Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Gasketed joint. 2,299,813; Oct. 27.
Fredendall, Gordon L., Westmont, N. J., assignor to Radio Corportion of America. Television transmitter. 2,299,891; Oct. 27.
Frederickson, Edward A. (See Zinkil, R. H., Frederickson, and Marchand, Jr.)
Freifeld, Benjamin B., New York, N. Y. Folding case. 2,300,215; Oct. 27.
Gabrielsen, Christian, Belleville, N. J., assignor to Rowe Manufacturing Co., Inc., New York, N. Y. Vending machine. 2,300,147; Oct. 27.
Gale, Walter H., and P. D. Merrill, assignors to M. B. Skinner Company, South Bend, Ind. Pipe drilling apparatus. 2,299,814; Oct. 27.
Gallen, Roy R. (See Gallen, William P. and R. R.)
Gallen, William P. and R. R., Cleveland, Ohio. Master pusher. 2,299,972; Oct. 27.
Gammell, Ernest O., Floral Park, N. Y., assignor to American Telephone and Telegraph Company. Teletypewriter system. 2,300,045; Oct. 27.
Gayer, George F., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lubrication apparatus. 2,300,284; Oct. 27.
Gebhart, Lee. (See Gebhart, Marguerite B., assignor.)
Gebhart, Marguerite B., assignor to L. Gebhart, Coral Gables, Fla. Dish cloth. 2,299,950; Oct. 27.
Geigy, J. R., A. G. (See Martin, H., Hirt, and Zaeslin, assignors.)
Gemmer Manufacturing Company. (See Hammond, Charles F., assignor.)
General Electric Company. (See Bennett, Ralph S., assignor.)
General Electric Company. (See Brown, Theodore R., assignor.)
General Electric Company. (See Butler, William L., assignor.)
General Electric Company. (See Chriestensen, Paul L., assignor.)
General Electric Company. (See Dahl, O., and Pawlek, assignors.)
General Electric Company. (See D'Alelio, Gaetano F., assignor.)
General Electric Company. (See De Tar, Donald R., assignor.)
General Electric Company. (See Hempel, Gerd, assignor.)
General Electric Company. (See Honey, William V., assignor.)
General Electric Company. (See Hottenroth, Frederick W., Jr., assignor.)
General Electric Company. (See Hull, A. W., and Moore, assignors.)
General Electric Company. (See McDougal, Kenneth R., assignor.)
General Electric Company. (See Puppe, Heinz, assignor.)
General Electric Company. (See Suits, Chauncey G., assignor.)
General Electric Company. (See Toda, Yoshiaki, assignor.)
General Electric Company. (See Wotring, Gaylord H., assignor.)
General Motors Corporation. (See Chase, Theron P., assignor.)
General Motors Corporation. (See Cramer, Paul L., assignor.)
General Motors Corporation. (See Feicht, Robert N., assignor.)
General Motors Corporation. (See Koehring, Roland P., assignor.)
General Motors Corporation. (See Pawloski, John, assignor.)
General Motors Corporation. (See Sampson, Frederick W., assignor.)
General Motors Corporation. (See Trisler, Milton A., assignor.)
General Printing Ink Corporation. (See Curado, J. G., and Denton, assignors.)
Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gas detector. 2,299,815; Oct. 27.
Gerwig, Frederick H. N., Pittsburgh, Pa. Method of and apparatus for removing the molten metal of salamanders. 2,299,892; Oct. 27.
Getten, Albert S., San Francisco, Calif. Projector attachments. 2,299,973; Oct. 27.
Gilbert & Barker Manufacturing Company. (See De Lancey, Warren H., assignor.)
Gilliland, Francis N., Shaker Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Mold and core blowing machine. 2,300,148; Oct. 27.
Gilman Fanfold Corporation. (See Kerr, James G., assignor.)
Gladding McBean and Company. (See Beecher, Henry W., assignor.)
Glascote Products, Inc. (See Osborn, H. C., Jr., Brown, and Brett, assignors.)
Gleason Works. (See Carlsen, Leonard O., assignor.)
Glezen, William M. (See Beckel, V. V., and Glezen.)

Goebel, George, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Article forming and handling mechanism. 2,299,816; Oct. 27.

Goldberg, Aaron S., assignor to Bunting Glider Company, Philadelphia, Pa. Glider construction. 2,300,116; Oct. 27.

Goldblatt, Henry J. (See Landgraf, Myron J., assignor.)

Golseth, James G., Chicago, Ill. Telephone switch operator. 2,300,114; Oct. 27.

Goodrich, B. F., Company, The. (See Heintz, Samuel, assignor.)

Graves, Benjamin P., Barrington, and H. C. Weimar, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company. Machine tool. 2,299,817; Oct. 27.

Gray, Daniel M. (See Stoner, F. R., Jr., and Gray.)

Greene, Ernest W., Plant City, Fla., assignor, by mesne assignments, to Phosphate Recovery Corporation, Chicago, Ill. Concentrating minerals. 2,299,893; Oct. 27.

Griffith, Clement P., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Control mechanism for liquid dispensing apparatus. 2,299,894; Oct. 27.

Grobecker, Hugo H., Milwaukee, Wis., assignor to Ditto, Incorporated, Chicago, Ill. Duplicating and mechanism therefor. 2,299,974; Oct. 27.

Grodsky, Isaac, and A. Stitt, Brooklyn, N. Y. Bookmark. 2,300,216; Oct. 27.

Groene, Willard L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft chucking mechanism. 2,299,975; Oct. 27.

Groene, Willard L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Orbital lathe feed mechanism. 2,299,976; Oct. 27.

Groombridge, Walter H. (See Dreyfus, H., and Groombridge.)

Gross, Charles J., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for cutting sheet material. 2,299,818; Oct. 27.

Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. Noise limiter. 2,300,115; Oct. 27.

Grzesik, Joseph, Dracut, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Support for shifting shuttle boxes on weft replenishing looms. 2,300,217; Oct. 27.

Guedon, Emile C., Audubon, N. J., assignor to Radio Corporation of America. Phonograph. 2,300,149; Oct. 27.

Guedon, Emile C., Audubon, N. J., assignor to Radio Corporation of America. Phonograph. 2,300,150; Oct. 27.

Gustin-Bacon Manufacturing Company. (See Hall, Jesse E., assignor.)

Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Garment hanger. 2,299,977; Oct. 27.

Gwaltney, Eugene C., Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Variable speed driving mechanism. 2,300,285; Oct. 27.

Gwyn, Childress B., Jr., Bannockburn, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Electrical contact. 2,300,286; Oct. 27.

Hageman, Louis F., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y. Strip feed for typewriting machines. 2,300,276; Oct. 27.

Hales, Ralph A., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Electrolytic reduction of sugars in acid solutions. 2,300,218; Oct. 27.

Hall, Jesse E., Bakersfield, Calif., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo. Casing protector. 2,299,978; Oct. 27.

Hall Laboratories, Inc. (See Hatch, George B., assignor.)

Hall, Leigh B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Hemacytometer. 2,300,252; Oct. 27.

Hamilton, Ernest L., and L. V. Whistler, Kenmore, W. G. Dechend, and J. J. Lee, Buffalo, N. Y. Drilling and countersinking machine. 2,300,253; Oct. 27.

Hammett Manufacturing Company. (See Campbell, Edgar W., assignor.)

Hammond, Charles F., Grosse Pointe, assignor to Gemmer Manufacturing Company, Detroit, Mich. Pump. 2,299,979; Oct. 27.

Handforth, Stanley L. (See Johnson, C. R., Handforth, and Smith.)

Hannum, Elmer N., Sacramento, Calif. Knockdown carpenter square. 2,300,219; Oct. 27.

Hans, Edmund E., Detroit, Mich. Combination heating and cooling unit for motor vehicles. 2,300,357; Oct. 27.

Hans, Edmund E., Detroit, Mich. Cooling device for motor vehicles. 2,300,358; Oct. 27.

Hansen, A. L., Mfg. Co. (See Hansen, Augie L., assignor.)

Hansen, Augie L., assignor to A. L. Hansen Mfg. Co., Chicago, Ill. Pin driving machine. 2,300,277; Oct. 27.

Hansen, Marius H., assignor to Hansen Scale Co., Chicago, Ill. Scale. 2,299,980; Oct. 27.

Hansen, Otto, assignor to Aktieselskabet Maelkeriet "Enigheden," Copenhagen, Denmark. Preservation of fodder. 2,299,745; Oct. 27.

Hansen Scale Co. (See Hansen, Marius H., assignor.)

Hanson, Chalmers J., San Francisco, Calif. Manicuring device. 2,299,819; Oct. 27.

Hardy, Charles L., Waban, Mass., assignor to Joseph T. Ryerson & Son, Inc., Chicago, Ill. Filter. 2,300,381; Oct. 27.

Hardy, Charles L., Waban, Mass., assignor to Joseph T. Ryerson & Son, Inc., Chicago, Ill. Making filters. 2,300,382; Oct. 27.

Harlam, Louis G., Stockton, Calif. Paper holding attachment for typewriters. 2,299,981; Oct. 27.

Harmon, Jesse, Wilmington, Del., assignor to Remington Arms Company, Inc. Shot shell closure. 2,300,367; Oct. 27.

Harmon, Jesse, Wilmington, Del., assignor to Remington Arms Company, Inc. Closure and adhesive therefor. 2,300,368; Oct. 27.

Harmon, Kenneth A., Longmeadow, assignor to Wico Electric Company, West Springfield, Mass. Magneto. 2,300,117; Oct. 27.

Harnett, Daniel E. (See Wilson, J. C., and Harnett.)

Harper, John D., assignor to Cutler Mail Chute Co., Rochester, N. Y. Mail chute. 2,299,896; Oct. 27.

Harrall, Edwin R., Tenafly, N. J., and J. P. Reis, Hempstead, assignors to The Western Union Telegraph Company, New York, N. Y. Friction testing machine. 2,299,895; Oct. 27.

Harris, Benjamin R. (See Katzman, M., and Harris.)

Harrison, Bernard M., Baltimore, Md. Adjustable sleeve. 2,299,982; Oct. 27.

Harshaw Chemical Company. (See Bozarth, Abe R., assignor.)

Hart, Harry H., Kennett Square, Pa., assignor to The Pusey and Jones Corporation, Wilmington, Del. Fourdrinier machine. 2,299,746; Oct. 27.

Harter, Isaac, New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J. Forming structures wholly of fusion deposited weld metal. 2,299,747; Oct. 27.

Hartford National Bank and Trust Company, trustee (See Bowers, A. and van den Berg, assignors.)

Hartman, William W., Los Angeles, Calif. Multiple band blade slicing machine. 2,300,278; Oct. 27.

Harwood, Harry A. G., Liverpool, England. Apparatus for cleaning potatoes. 2,300,046; Oct. 27.

Hatch, George B., assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Control of calcium carbonate deposition for corrosion inhibition. 2,299,748; Oct. 27.

Haynes, Arthur M., Saint Catherines, Ontario, Canada, assignor to Columbus McKinnon Chain Corp., Tonawanda, N. Y. Calk for antiskid tire chains. 2,300,383; Oct. 27.

Haynes Stellite Company. (See Wissler, William A., assignor.)

Hayssen Manufacturing Company. (See Horwitz, David R., assignor.)

Hazeltine Corporation. (See Wilson, J. C., and Harnett, assignors.)

Heintz, Samuel, Newtonville, Mass., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Reinforced fabric article. 2,300,155; Oct. 27.

Helsten, Wesley A. (See Baselt, W. H., and Helsten.)

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Treating hydrocarbons. 2,300,151; Oct. 27.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Catalytic cracking. 2,300,152; Oct. 27.

Hempel, Gerd, Berlin-Reinickendorf, Germany, assignor to General Electric Company. Telemetering system. 2,300,220; Oct. 27.

Hemphill Company. (See Cloutier, Arthur N., assignor.)

Hensel, Franz R., E. I. Larsen, and O. L. Fluharty, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Lapping carrier. 2,300,118; Oct. 27.

Herbener, Henry M., Thomasville, Ga. Girdle or like garment. 2,300,153; Oct. 27.

Herbener, Henry M., Thomasville, Ga. Attaching means for apparel elements. 2,300,154; Oct. 27.

Hercules Powder Company. (See Johnson, John B., assignor.)

Hercules Powder Company. (See Olsen, Arloe R., assignor.)

Hercules Powder Company. (See Rummelsburg, Alfred L., assignor.)

Hermson, John H. (See Pierce, H. M., and Hermson.)

Heron, John A., Farnham Common, assignor to High Duty Alloys Limited, Slough, England. Extrusion of metal articles. 2,300,221; Oct. 27.

Herren, Thomas L. (See Smith, F. C., and Herren.)

Hertel, Kenneth L., assignor to University of Tennessee Research Corporation, Knoxville, Tenn. Cotton fiber measuring instrument. 2,299,983; Oct. 27.

Hicks, William M. (See Terrell, Gertrude H., assignor.)

High Duty Alloys Limited. (See Heron, John A., assignor.)

Higley, Frank R., Cleveland Heights, assignor to The Bryant Heater Company, Cleveland, Ohio. Lighter for gas burners. 2,300,156; Oct. 27.

Hirt, Rudolf. (See Martin, H., Hirt, and Zaeslin.)

Holbro, Theodor. (See Kern, W., Holbro, and Tobler.)

Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,299,897; Oct. 27.

Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,299,898; Oct. 27.

Holinger, Carl J., Plainfield, N. J. Coin operated switch. 2,299,820; Oct. 27.

Holmes, August, Cranford, N. J., assignor to Standard Oil Development Company. Making light-colored bituminous materials. 2,300,119; Oct. 27.

Honey, William V., Fortress Monroe, Va., assignor to General Electric Company. Switch. 2,300,222; Oct. 27.

Hoobin, James P., Boston, and W. P. McManus, Reading, Mass. Electrically controlled starting box. 2,300,120; Oct. 27.

Hoover Company, The. (See Carlson, Vernon E., assignor.)

Hoover Company, The. (See Smellie, Donald G., assignor.)

Horton, Arthur W., Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,299,821; Oct. 27.

Horton, Arthur W., Jr., South Orange, N. J., O. J. Murphy, New York, and H. E. Vaughan, Valley Stream, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,299,822; Oct. 27.

Horwitz, David R., assignor to Hayssen Manufacturing Company, Sheboygan, Wis. Controlling device for web feeding and cutting machines. 2,299,984; Oct. 27.

Hottenroth, Frederick W., Jr., Schenectady, N. Y., assignor to General Electric Company. Transmission mechanism. 2,300,223; Oct. 27.

Houdry Process Corporation. (See Shabaker, Hubert A., assignor.)

Houghland, Glen S., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Analyzing volatile mixtures. 2,299,899; Oct. 27.

Howard, Styles T., Jeffersonville, Ind. Separable valve. 2,299,749; Oct. 27.

Howe Scale Company, The. (See Eash, John R., assignor.)

Huarisa, John, assignor, by mesne assignments, to Advance Engineering Company, Chicago, Ill. Radio phonograph carriage and cabinet. 2,300,287; Oct. 27.

Hudson, William F., Philadelphia, Pa. Hair wave pad. 2,299,985; Oct. 27.

Huffman, Louis, Toronto, Ontario, assignor to Appleford Paper Products, Ltd., Hamilton, Ontario, Canada. Combined record form and window envelope. 2,299,751; Oct. 27.

Hull, Albert W., and R. W. Moore, Schenectady, N. Y., assignors to General Electric Company. Cast glass article. 2,299,750; Oct. 27.

Hullhorst, William B., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Torque measuring machine. 2,300,288; Oct. 27.

Hummel, Arthur F., Sligo, Pa. Door opener. 2,299,986; Oct. 27.

Humphner, Ferdinand W., Oak Park, assignor to Mid-States Gummed Paper Co., Chicago, Ill. Tape. 2,300,224; Oct. 27.

Hunt, George R., Akron, Ohio. Feather-picking apparatus for fowl and the like. 2,300,157; Oct. 27.

Hunter, Frederick R., Edgewater, N. J., assignor to American Telephone and Telegraph Company. Portable apparatus for cleaning electrical equipment. 2,299,987; Oct. 27.

Hydraulic Brake Company. (See Loweke, Erwin F., assignor.)

Hydraulic Brake Company. (See Scott, Don O., assignor.)

Iavarone, Vincent, Bronx, N. Y. Spark plug drier. 2,300,294; Oct. 27.

Imperial Chemical Industries Limited. (See Dunbar, Charles, assignor.)

Industrial Patents Corporation. (See Alkire, Lee O., assignor.)

Industrial Patents Corporation. (See Ingle, James D., assignor.)

Industrial Patents Corporation. (See Mink, Leon D., assignor.)

Industrial Patents Corporation. (See Walter, Charles T., assignor.)

Ingle, James D., assignor to Industrial Patents Corporation, Chicago, Ill. Cheese package. 2,299,951; Oct. 27.

Irving, Henry F., assignor to Marbon Corporation, Gary, Ind. Treating rubber and like substances. 2,299,988; Oct. 27.

Irwin, William J., Wilkinsburg, Pa. Heat regenerator. 2,300,289; Oct. 27.

Jackson, Clifford C., assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle. 2,299,900; Oct. 27.

Jackson, Honel A., Detroit, Mich. Electrode holder. 2,300,295; Oct. 27.

Jackson, Leroy G., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn production. 2,300,254; Oct. 27.

Jasco, Incorporated. (See Meis, H., and Ludwig, assignors.)

Jasco, Incorporated. (See Rosen, R., and Sparks, assignors.)

Jasco, Incorporated. (See Skooglund, Arthur C., assignor.)

Jasco, Incorporated. (See Smyers, William H., assignor.)

Jeffery, Harold T. (See Yeomans, C., and Jeffery.)

Jensen, Otto M., and F. T. Wruk, Racine, and J. R. McDonald, Milwaukee, assignors to Peerless Machine Company, Racine, Wis. Hydraulically controlled metal hack saw. 2,300,047; Oct. 27.

Jepson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Vibratory motor for dry shavers and the like. 2,299,952; Oct. 27.

Johnson, Arthur A., Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J. Manifolding pack. 2,300,279; Oct. 27.

Johnson, Charles R., Glen Mills, Pa., and S. L. Handforth and R. E. Smith, Wilmington, Del., assignors to Remington Arms Company, Inc. Molding machine. 2,300,290; Oct. 27.

Johnson, George C., and H. S. Boles, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Welding jig. 2,299,753; Oct. 27.

Johnson, John B., Piedmont, Calif., assignor to Hercules Powder Company, Wilmington, Del. Safety primer for electric blasting caps. 2,300,225; Oct. 27.

Johnson, Kenneth L., Sewickley, Pa. Fastener. 2,299,752; Oct. 27.

Johnson, Kenneth L., Hampton Township, Allegheny County, Pa. Resilient fastener. 2,299,754; Oct. 27.

Johnson, Marvin H., Baldwin Park, Calif. Connector for temporary lamp circuits. 2,299,989; Oct. 27.

Johnston, Edwin L., Evansville, Ind., assignor of fifty per cent to Delta Drilling Company, Tyler, Tex. Locating stuck pipe in wells. 2,300,384; Oct. 27.

Johnston, James O., assignor to City Fuel Oil and Coal Company, St. Petersburg, Fla. Hot air furnace. 2,299,901; Oct. 27.

Johnstone, Myron H., Cicero, Ill. Bottle breaker. 2,299,902; Oct. 27.

Jolly, Samuel E., Prospect Park, assignor to Sun Oil Company, Philadelphia, Pa. Product from petroleum and producing same. 2,299,755; Oct. 27.

Jolly, Samuel E., Prospect Park, assignor to Sun Oil Company, Philadelphia, Pa. Petroleum products. 2,300,291; Oct. 27.

Jones, John P., Fairmont, W. Va. Photographic print dater. 2,299,990; Oct. 27.

Jones, Minor C. K., Elizabeth, N. J., assignor to Standard Oil Development Company. Refining mineral oil. 2,300,158; Oct. 27.

Jones, Walter I., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener member. 2,300,292; Oct. 27.

Juculano, Theodor C., and J. E. Follett, Oshkosh, Wis. Adjustable scaffolding. 2,299,823; Oct. 27.

Justis, Daniel W., Jal, N. Mex. Deep well pump. 2,300,121; Oct. 27.

Kahn, Mack, Cedarhurst, assignor to Artistic Foundations, Inc., New York, N. Y. Corset. 2,299,903; Oct. 27.

Kalin, Albert, Cleveland, Ohio. Governor. 2,299,824; Oct. 27.

Kallock, Wilmer F., Ware, assignor to McLaurin-Jones Co., Brookfield, Mass. Chart paper. 2,299,991; Oct. 27.

Kassel, Louis S., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,300,032; Oct. 27.

Kassel, Louis S., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,300,033; Oct. 27.

Katzman, Morris, and B. R. Harris, assignors to The Emulsol Corporation, Chicago, Ill. Quaternary ammonium derivative. 2,299,756; Oct. 27.

Keeling, George, Ithaca, N. Y. Hand grenade. 2,299,904; Oct. 27.

Kelley, Benjamin F., Tulsa, Okla. Cathead and spinning drum assembly. 2,300,122; Oct. 27.

Kellogg, M. W., Company, The. (See Houghland, Glen S., assignor.)

Kellogg Switchboard & Supply Co. (See Saunders, Norman H., assignor.)

Kellogg Switchboard and Supply Company. (See Wallace, Bert A., assignor.)

Kellum, Paul S., Newark, N. J., assignor to Crown Fastener Corporation, Warren, R. I. Separable slide fastener. 2,300,369; Oct. 27.

Kelsey-Hayes Wheel Company. (See Le Jeune, Frank H., assignor.)

Kennedy, Andrew M., Sewickley, Pa. Barge. 2,299,992; Oct. 27.

Kennedy, Joseph E., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y. Tube mill. 2,299,825; Oct. 27.

Kennedy-Van Saun Mfg. & Eng. Corporation. (See Kennedy, Joseph E., assignor.)

Kennon, Patrick J., Bronx, N. Y. Internal combustion engine. 2,299,905; Oct. 27.

Kent Company, Inc., The. (See Steele, Maurice G., assignor.)

Kern, Walter, Sissach, T. Holbro and R. Tobler, Riehen, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Vat dyestuffs of the fluoranthene series and preparing same. 2,299,826; Oct. 27.

Kerr, James G., Washington, D. C., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y. Stress absorbing record assembly. 2,300,255; Oct. 27.

Kerr, James G., Washington, D. C., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y. Manifolding appliance for fanfold forms. 2,300,256; Oct. 27.

Kerr, James G., Washington, D. C., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y. Carbon interleaved stationery. 2,300,257; Oct. 27.

Ketchum, Elmer H., assignor to The Burridge Co., San Francisco, Calif. Candle holder. 2,300,226; Oct. 27.

Keunecke, Emil, and W. Muench, Ludwigshafen-on-Rhine, Germany; vested in the Alien Property Custodian. Catalytic polymerization of olefines. 2,300,123; Oct. 27.

Kimball, James L., Danvers, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Stabilizing means for relay type regulators. 2,300,227; Oct. 27.

King, Leo L., and W. S. Taylor, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Device for sorting rivets. 2,300,124; Oct. 27.

Kinney, Layton C., Chicago, Ill. Nut construction. 2,300,228; Oct. 27.

Kinnucan, James W., Detroit, Mich., assignor, by mesne assignments, to Continental Aviation and Engineering Corporation. Shafting. 2,300,293; Oct. 27.

Kirk, William T., El Portal, Calif. Ski stretcher. 2,299,993; Oct. 27.

Kishline, Floyd F. (See Moore, Meade F., and Kishline.)

Knowles, Frank W., Seattle, Wash. Freezer for peas and other produce. 2,300,229; Oct. 27.

Koehring, Roland P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making porous material. 2,300,048; Oct. 27.

Koester, Melvin C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Mounting glass pulls. 2,299,827; Oct. 27.

Kokay, Stephen, assignor to Ditto, Incorporated, Chicago, Ill. Moistening mechanism. 2,299,994; Oct. 27.

Kollberg, Gustaf L., Milwaukee, and M. C. Shaw, Wauwatosa, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotray shaft seal. 2,300,385; Oct. 27.

Koontz, Charles E., Baltimore, Md. Fire alarm switch tripping mechanism. 2,299,828; Oct. 27.

Kraemer, Elmore A., assignor to West Bend Aluminum Company, West Bend, Wis. Serving oven. 2,299,995; Oct. 27.

Kremer, Thea, Chicago, Ill. Wearing apparel. 2,299,996; Oct. 27.

Kroydon Co. Inc., The. (See Birkhofer, John J., assignor.)

Kubianow, Joseph, Pittsburgh, Pa. Veneer slab spacing and gripping element. 2,300,258; Oct. 27.

Kneppers, Albert E., Paterson, N. J., assignor to Wright Aeronautical Corporation. Sealed engine container. 2,300,259; Oct. 27.

Kuhn, Frank, Detroit, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Thermometer unit for electric irons. 2,300,230; Oct. 27.

Kurth, Franz J., New York, N. Y., assignor to Anemostat Corporation of America. Air outlet device. 2,300,049; Oct. 27.

Ladrach, Aaron G., Portage Lakes, Ohio. Precision measuring device. 2,299,997; Oct. 27.

Lampson, Edward C., Jefferson, Ohio. Matrix making machine. 2,300,297; Oct. 27.

Land, Edwin H., Boston, Mass., assignor to Polaroid Corporation, Dover, Del. Light-polarizing material coated with a photosensitive layer. 2,299,906; Oct. 27.

Landgraf, Myron J., assignor to H. J. Goldblatt, Chicago, Ill. Washer. 2,300,231; Oct. 27.

Langabeer, Harvey T., Baldwin, N. Y., and D. E. Trucksess, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power plant. 2,300,296; Oct. 27.

Lapick, Salvatore, Lakewood, Ohio, assignor to The Printz-Biederman Company. Detachable collar. 2,300,125; Oct. 27.

Larkin, William, assignor to T. O. Stomasli, Tacoma, Wash. Automobile signal. 2,300,260; Oct. 27.

Larsen, Earl I. (See Hensel, F. R., Larsen, and Fluharty.)

Larson, Bert E., Park Ridge, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler firebox. 2,300,232; Oct. 27.

Laughlin, Kenneth C., and C. L. Brown, Baton Rouge, La., assignors to Standard Oil Development Company. Manufacture of 1,2,3-trichloropropane. 2,300,159; Oct. 27.

Laughlin, Kenneth C., Baton Rouge, La., assignor to Standard Oil Development Company. Isomerization of normal paraffins. 2,300,160; Oct. 27.

Lawson, Walter E., Woodbury, N. J., and C. A. Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive charge for oil wells. 2,299,907; Oct. 27.

Leach, John E. (See Argabrite, George M.)

Leash, Homer E., Portland, Oreg. Insulating block. 2,299,908; Oct. 27.

LeBlond, R. K., Machine Tool Company, The. (See Groene, Willard L., assignor.)

Ledbetter, James H. (See Cannaday, J. C., Teague, and Ledbetter.)

Lee, John J. (See Hamilton, E. L., Whistler, Dechend, and Lee.)

Legatski, Harold R., W. Swerdloff, and G. W. McCullough, Bartlesville, Okla., assignors to Phillips Petroleum Company. Recovering hydrocarbons. 2,299,830; Oct. 27.

Lehmann, Herbert G., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,300,386; Oct. 27.

Leibing-Fageol Company. (See Fageol, R. D., and Leibing, assignors.)

Leibing, William E. (See Fageol, R. D., and Leibing.)

Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Manufacture of disks. 2,299,998; Oct. 27.

Leonard, James M., New York, N. Y., and C. A. Borgeson, Glen Ridge, N. J., assignors to American Telephone and Telegraph Company. Teletypewriter control system. 2,300,050; Oct. 27.

Libbey-Owens-Ford Glass Company. (See Koester, Melvin C., assignor.)

Libbey-Owens-Ford Glass Company. (See Schafer, C. B., and Oberstar, assignors.)

Lieber, Eugene, Staten Island, N. Y., assignor to Standard Oil Development Company. Condensation product of naphthenic acid halide and making it. 2,300,126; Oct. 27.

Lind, Harry G., assignor to Barber-Colman Company, Rockford, Ill. Method of and mechanism for tying knots. 2,300,051; Oct. 27.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electron discharge device system. 2,300,052; Oct. 27.

Linderme, Theodore G., Detroit, Mich. Foldable table. 2,299,909; Oct. 27.

Linderme, Theodore G., Detroit, Mich. Folding table. 2,299,910; Oct. 27.

Lindsay, Horace W., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Road machine. 2,300,387; Oct. 27.

Lippman, Alfred, Jr., Weeks, assignor to Bay Chemical Company, Inc., New Orleans, La. Salt curing composition. 2,299,999; Oct. 27.

Lippold, Adolph J., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill. Article handling mechanism. 2,300,298; Oct. 27.

Little, Royal. (See Raymond, H. H., and Little.)

Locomotive Firebox Company. (See Larson, Bert E., assignor.)

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Motor starting apparatus. 2,299,911; Oct. 27.

Lorenz, C., Aktiengesellschaft. (See Bergmann, Herbert, assignor.)

Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Compound master cylinder. 2,299,912; Oct. 27.

Lowrey, Charley, Oklahoma City, Okla. Sucker rod elevator. 2,300,370; Oct. 27.

Lubic, George, assignor of one-half to J. F. Richards, Campbell, Ohio. Bottle stopper. 2,300,053; Oct. 27.

Ludwig, Richard. (See Meis, H., and Ludwig.)

Lund, James K., Oak Park, assignor to The Dole Valve Company, Chicago, Ill. Thermostat controlled valve. 2,300,299; Oct. 27.

Lund, James K., Oak Park, assignor to The Dole Valve Company, Chicago, Ill. Carbonating device. 2,300,300; Oct. 27.

Lyon, Harry, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe and shoe bottom unit. 2,299,831; Oct. 27.

MacDowell, Louis G., Jr. (See Toussaint, W. J., and MacDowell, Jr.)

Maddock, Alan J., London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Protective device. 2,300,127; Oct. 27.

Mader, Emil A., assignor of one-half to J. Spargo, Detroit, Mich. Louver construction. 2,299,832; Oct. 27.

Mader, Emil A., assignor of one-half to J. Spargo, Detroit, Mich. Louver mechanism for attic ventilation. 2,299,833; Oct. 27.

Malhiot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Folding mechanism. 2,299,757; Oct. 27.

Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., Switching device. 2,300,371; Oct. 27.

Mallory, P. R., & Co. (See Hensel, F. R., Larsen, and Fluharty, assignors.)

Mannaberg, Leopold, Roanoke, Va. Rail fastening. 2,300,054; Oct. 27.

Marbon Corporation. (See Irving, Henry F., assignor.)

Marchand, Eugene W., Jr. (See Zinkil, R. H., Frederickson, and Marchand, Jr.)

Marinsky, Davis, et al. (See Morin, Louis H., assignor.)

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Sapogenin derivative and preparation of the same. 2,299,758; Oct. 27.

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Sapogenin reduction product and preparation of same. 2,299,759; Oct. 27.

Marketing Service Corporation. (See Mather, Glenn, assignor.)

Marsik, Albert V., Jackson Heights, N. Y. Button making machine. 2,300,301; Oct. 27.

Martin, Charles H., et al. (See Bonebrake, Frederick T., assignor.)

Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller blade mounting. 2,300,233; Oct. 27.

Martin, Fred P., et al. (See Bonebrake, Frederick T., assignor.)

Martin, Henry, and R. Hirt, Basel, and H. Zaeslin, Riehen, near Basel, assignors to the firm of J. R. Geigy A. G., Basel, Switzerland. Halogen containing acylaminosulphonic acids and their manufacture. 2,299,834; Oct. 27.

Masterbilt Products Corporation. (See Mayer, Richard, assignor.)

Mather, Glenn, assignor to Marketing Service Corporation, Baltimore, Md. Cover fastener. 2,300,161; Oct. 27.

Mattes, Karl, Cincinnati, Ohio. Chimney cap. 2,300,128; Oct. 27.

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley switch and switching system. 2,299,914; Oct. 27.

Mattson, Raymond L., Detroit, Mich. Gear cutting apparatus. 2,299,915; Oct. 27.

Maude, John H., Verdun, Quebec, assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Hydraulic press. 2,300,162; Oct. 27.

Mayer, Richard, New Rochelle, assignor to Masterbilt Products Corporation, New York, N. Y. Combination cigarette container, lighter, and dispenser. 2,299,835; Oct. 27.

Mayer, Richard, New Rochelle, assignor to Masterbilt Products Corporation, New York, N. Y. Combination cigarette container, lighter, and dispenser. 2,299,836; Oct. 27.

Mayer, Richard, New Rochelle, assignor to Masterbilt Products Corporation, New York, N. Y. Post bracket. 2,299,837; Oct. 27.

Mayers, Bertram F., Valley Stream, N. Y. Instrument for indicating atmospheric conditions. 2,300,000; Oct. 27.

Maynes, Emma C. (See Maynes, Hyla F., assignor.)

Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Amusement apparatus. 2,299,760; Oct. 27.

Mays, John B., Crossville, Tenn. Hot line stick. 2,299,838; Oct. 27.

McAlevy, Ambrose. (See Flaherty, F. T., and McAlevy.)

McCabe, John J., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Apparatus for washing clothes. 2,300,055; Oct. 27.

McCarthy, Charles L. (See Dinsley, Alfred, assignor.)

McCauley, Cornelius V., Waverley, Mass. Device for peeling potatoes and the like. 2,299,761; Oct. 27.

McCullough, Gerald W. (See Legatski, H. R., Swerdloff, and McCullough.)

McCurdy, Howard, Walnut Park, Calif. Helical flow separator. 2,300,129; Oct. 27.

McCurdy, Howard, Walnut Park, Calif. Balanced slicing silencer. 2,300,130; Oct. 27.

McDermott, Carl, Freehold, N. J. Bicycle light. 2,299,762; Oct. 27.

McDonald, John R. (See Jensen, O. M., Wruk, and McDonald.)

McDougal, Kenneth R., Fort Wayne, Ind., assignor to General Electric Company. Electric dynamometer. 2,300,163; Oct. 27.

McGavack, John, Leonia, N. J., assignor to United States Rubber Company, New York, N. Y. Purified rubber latex and preparing same. 2,300,261; Oct. 27.

McGavack, John, Leonia, N. J., assignor to United States Rubber Company, New York, N. Y. Preservation of latex. 2,300,262; Oct. 27.

McIntire, Charles V., Short Hills, N. J., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Door machine. 2,299,916; Oct. 27.

McKahan, Alexander C. (See Brewster, R. P., and McKahan.)

McLaurin-Jones Co. (See Kaliock, Wilmer F., assignor.)

McLeod, Roy D., assignor to Ross Operating Valve Company, Detroit, Mich. Rapid operating valve. 2,300,263; Oct. 27.

McManus, William P. (See Hoobin, J. P., and McManus.)

McQueen, David M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,299,839; Oct. 27.

McWane, Henry E., Lynchburg, Va. Mold and manufacture. 2,300,034; Oct. 27.

Meis, Helmut, Leverkusen-Wiesdorf, and R. Ludwig, Leverkusen-I. G. Werk, Germany, assignors, by mesne assignments, to Jasco, Incorporated. Emulsion polymerization of butadienes. 2,300,056; Oct. 27.

Merrill, Patterson D. (See Gale, W. H., and Merrill.)

Merritt, Frank R., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Wedge heel. 2,299,840; Oct. 27.

Meyer, Charles A. F., Ridgewood, N. Y. Hose reinforcement means. 2,300,057; Oct. 27.

Mid-States Gummed Paper Co. (See Humphner, Ferdinand W., assignor.)

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Lubricant. 2,300,131; Oct. 27.

Miller, Lloyd G. (See Couchrene, T. P., and Miller.)

Mills, John E. (See Ellsworth, W. A., and Mills.)

Minger, Forest R., and W. L. Scoles, assignors to The Dow Chemical Company, Midland, Mich. Sulphur composition. 2,299,917; Oct. 27.

Mink, Leon D., assignor to Industrial Patents Corporation, Chicago, Ill. Egg white treatment. 2,299,953; Oct. 27.

Mission Rubber Company. (See Rice, Harry B., assignor.)

Moellenkamp, Emile W., Shreveport, La. Dirt tamper. 2,299,918; Oct. 27.

Mohan, William T., Pittsburgh, Pa. Guiding and transfer device. 2,300,359; Oct. 27.

Monowatt Electric Corporation, The. (See Benander, George B., assignor.)

Moore, Meade F., and F. F. Kishline, assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Auxiliary throttle valve. 2,299,919; Oct. 27.

Moore, Robert D., assignor to J. F. Pritchard and Company, Kansas City, Mo. Cooling tower. 2,299,920; Oct. 27.

Moore, Roy W. (See Hull, A. W., and Moore.)

Morando, Emanuel R., New York, N. Y. Catamenial pad holding device. 2,300,001; Oct. 27.

Morin, George G., Holyoke, Mass. Paper holder for projection printing. 2,300,264; Oct. 27.

Morin, Louis H., assignor, by mesne assignments, of one-half to said L. H. Morin and one-half to D. Marinsky, Bronx, N. Y. Apparatus for forming castings from powdered metals. 2,300,302; Oct. 27.

Morrison, Willard L., Lake Forest, Ill. Bottle cooler. 2,300,303; Oct. 27.

Moxley, William M., Kansas City, Mo. Colored globe support for electric lanterns. 2,300,304; Oct. 27.

Moyer, Amos F., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Power mowing machine. 2,299,841; Oct. 27.

Moyer, Amos F., La Grange, Ill., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Powered mowing machine. 2,299,842; Oct. 27.

Mueller Co. (See Mueller, F. H., and Bowan, assignors.)

Mueller, Frank H., and W. J. Bowan, assignors to Mueller Co., Decatur, Ill. Drilling apparatus. 2,299,843; Oct. 27.

Muench, Wilhelm. (See Keunecke, E., and Muench.)

Murphy, Orlando J. (See Horton, A. W., Jr., Murphy, and Vaughan.)

Murray, D. J., Manufacturing Co. (See Nowak, John B., assignor.)

Musselman, Orrin C., Kaw, Okla. Remote control mechanism for sulky rakes. 2,300,164; Oct. 27.

Mustafa, Ferhad, Detroit, Mich. Hand truck. 2,300,165; Oct. 27.

Myers, Thomas G., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Variable ratio transmission mechanism. 2,299,921; Oct. 27.

Myerson, Simon, Brookline, Mass. Artificial tooth. 2,300,305; Oct. 27.

Nagel, Henry M., Baltimore, Md. Man's vest. 2,300,306; Oct. 27.

Nali, Otis D., Molino, Fla. Musical instrument. 2,299,923; Oct. 27.

Nardone, Romeo M., Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starting mechanism. 2,300,002; Oct. 27.

Nash-Kelvinator Corporation. (See Moore, Meade F., and Kishline, assignors.)

Nash-Kelvinator Corporation. (See Phelps, Ross H., assignor.)

Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)

National Automatic Tool Company. (See Schafer, R. A., and Rodal, assignors.)

National Lock Washer Company, The. (See Schunk, Joseph, assignor.)

Neale, Dory J., Topeka, Kans., assignor to American Telephone and Telegraph Company. Suspending aerial cables. 2,300,035; Oct. 27.

Neiswinter, James T., South Orange, N. J., assignor to American Telephone and Telegraph Company. Selective signaling system. 2,230,003; Oct. 27.

New, Fred M., New York, N. Y. Torpedo shooting game apparatus. 2,300,132; Oct. 27.

New Britain Machine Co., The. (See Rockwell, Edward A., assignor.)

Newell, Edward T., Portland, Oreg. End gate control for truck bodies. 2,299,922; Oct. 27.

New Jersey Machine Corporation. (See von Hofe, George W., assignor.)

Nicholson, Hugh, Oxnard, assignor to Aircraft Industries Co., Glendale, Calif. Aircraft pilot training device. 2,300,004; Oct. 27.

Noble, Wiley B. (See Scott, G. L., and Noble.)

Novello, Mauro. (See Achterman, Ernest, assignor.)

Novotny, Emil E., Oak Lane, and G. K. Vogelsang, Frankford, assignors to Durite Plastics, Incorporated, Philadelphia, Pa. Phenolated gum accroides and making same. 2,300,307; Oct. 27.

Nowak, John B., assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Circular screen support. 2,300,166; Oct. 27.

Nyquist, Harry, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Broad band amplifier. 2,300,133; Oct. 27.

O. & S. Bearing Company. (See Schroeter, B., and Scully, assignors.)
Oberstar, Edward. (See Schafer, C. B., and Oberstar.)
Ocon, Ernest A., Yonkers, N. Y. Manufacture of branched chain aliphatic compounds. 2,299,844; Oct. 27.
O'Gorman, William F., New York, N. Y. Luminous sign. 2,300,234; Oct. 27.
Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
Ohio Brass Company, The. (See Davis, Leland L., assignor.)
Ohio Brass Company, The. (See Donaldson, Ray W., assignor.)
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Ojalvo, Edmond, New York, N. Y. Screw driver. 2,300,308; Oct. 27.
O'Keefe, James. (See Fleming, C. E., Corlew, and Orr, assignors.)
Olsen, Arloe R., assignor to Hercules Powder Company, Wilmington, Del. Moistureproof material. 2,300,168; Oct. 27.
Orr, Francis L. (See Fleming, C. E., Corlew, and Orr.)
Osborn, Henry C., Jr., Cleveland Heights, C. S. Brown, Lakewood, and R. C. Brett, Shaker Heights, assignors to Glascote Products, Inc., Euclid, Ohio. Apparatus for exchanging heat. 2,300,058; Oct. 27.
Osborn Manufacturing Company, The. (See Gilliland, Francis N., assignor.)
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling apparatus. 2,300,167; Oct. 27.
Ost, Frederick A., Los Angeles, Calif. Spark plug. 2,299,924; Oct. 27.
Ottenheimer, Reuben E., Baltimore, Md. Cabinet. 2,299,763; Oct. 27.
Owens-Illinois Glass Company. (See Hallhorst, William B., assignor.)
Paquet, Maxime, Saint-Maure-des-Fosses, France. Opaquing agent for enamels and manufacturing same. 2,299,764; Oct. 27.
Paradise, Louis A., and W. J. Coultas, assignors to Deere & Company, Moline, Ill. Tractor mounted picker-sheller. 2,299,925; Oct. 27.
Parke, Davis & Company. (See Marker, Russell E., assignor.)
Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating means for sewing machine loop-takers. 2,300,388; Oct. 27.
Pawlek, Franz. (See Dahl, O., and Pawlek.)
Pawloski, John, Pontiac, assignor to General Motors Corporation, Detroit, Mich. Combined toggle and hydraulic press. 2,299,845; Oct. 27.
Peerless Machine Company. (See Jensen, O. M., Wruk, and McDonald, assignors.)
Pennsylvania Railroad Company, The. (See Chambers, Isaac M., assignor.)
Pennsylvania Rubber Company. (See Bowers, Archibald C., assignor.)
Perkins, Schuyler B., Peoria, Ill. Running gear for trailers or the like. 2,300,169; Oct. 27.
Perry, Archie N., Kenmore, N. Y., assignor to Signode Steel Strapping Company, Chicago, Ill. Transportation of cylindrical objects. 2,300,059; Oct. 27.
Peters, Arthur C., assignor to Cinch Manufacturing Corporation, Chicago, Ill. Contact member. 2,300,309; Oct. 27.
Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Change speed transmission gearing. 2,300,036; Oct. 27.
Petrolite Corporation, Ltd. (See Claytor, Edwin E., assignor.)
Phelps, Ross H., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Automotive suspension. 2,299,926; Oct. 27.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,300,005; Oct. 27.
Phillips Petroleum Company. (See Legatski, H. R., Swerdloff, and McCullough, assignors.)
Phillips, Robert B., Baton Rouge, La., assignor to Standard Oil Development Company. Protector device. 2,300,060; Oct. 27.
Phosphate Recovery Corporation. (See Greene, Ernest W., assignor.)
Pickard, Ben, Chicago, Ill. Manicure accessory. 2,300,170; Oct. 27.
Pierce, Howard M., and J. H. Hermson, Brooklyn, assignors to A. G. Spalding & Bros. Inc., New York, N. Y. Calk device. 2,299,927; Oct. 27.
Pike, Robert D., Piedmont, assignor to A. W. Stitt, San Francisco, Calif. Apparatus for churning under vacuum. 2,300,171; Oct. 27.
Pines, Herman, and H. S. Bloch, assignors to Universal Oil Products Company, Chicago, Ill. Isomerization of paraffins. 2,300,235; Oct. 27.
Plastal Specialties Company. (See Cheney, Ralph G., assignor.)
Platz, Henry T., assignor to Briggs Manufacturing Company, Detroit, Mich. Automatic bar welding apparatus. 2,300,172; Oct. 27.
Platz, Henry T., assignor to Briggs Manufacturing Company, Detroit, Mich. Apparatus for dressing welder electrodes. 2,300,173; Oct. 27.
Poeton, Lawrence, assignor to American Optical Company, Southbridge, Mass. Tool. 2,300,310; Oct. 27.
Polaroid Corporation. (See Land, Edwin H., assignor.)
Polk Development Company, The. (See Polk, Ralph, Sr., assignor.)
Polk Development Company, The. (See Polk, Ralph, Sr., and Ralph, Jr., assignors.)
Polk, Ralph, Jr. (See Polk, Ralph, Sr., and Ralph, Jr.)
Polk, Ralph, Sr., Miami, assignor to The Polk Development Company, Tampa, Fla. Fruit peeler. 2,300,312; Oct. 27.
Polk, Ralph, Sr., Miami, and R. Polk, Jr., Haines City, assignors to The Polk Development Company, Tampa, Fla. Holding fork for citrus fruit. 2,300,311; Oct. 27.
Pool, Byron R., assignor to T. K. Coleman, Mount Carmel, Ill. Fuel injection pump for internal combustion engines. 2,300,313; Oct. 27.
Pool, Byron R., Harrisburg, assignor of one-half to T. Coleman, Mount Carmel, Ill. Fuel pump. 2,300,314; Oct. 27.
Potdevin Machine Company. (See Richmond, Robert L., assignor.)
Potter, Albert T., Grosse Point, assignor to Ainsworth Manufacturing Corporation, Detroit, Mich. Sliding seat structure. 2,299,928; Oct. 27.
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Pull tab for slide fastener sliders. 2,299,846; Oct. 27.
Powell, Clarence E. (See Camerota, L. A., and Powell.)
Practical Burial Slipper Company. (See Schulte, Charles F., assignor.)
Preload Company, The. (See Crom, John M., assignor.)
Prescott, Ralph F., R. C. Dosser, and J. J. Sculati, assignors to The Dow Chemical Company, Midland, Mich. (Di-aryl) borates. 2,300,006; Oct. 27.
Press Wireless, Inc. (See Sprague, Robert M., assignor.)
Price, Wallace, Alice, Tex. Cutoff valve. 2,299,847; Oct. 27.
Priewe, Hans, Rangsdorf, Teltow, near Berlin, Germany, assignor to Schering Corporation, Bloomfield, N. J. Separation of transoestradiol and product obtained thereby. 2,300,134; Oct. 27.
Printz-Biederman Company, The. (See Lapick, Salvatore, assignor.)
Pritchard, J. F., and Company. (See Moore, Robert D., assignor.)
Proctor, B. A., Company. (See Thiede, Ferdinand C. W., assignor.)
Puhlmann, Werner, Berlin, Germany. Oscillation generator circuit. 2,300,315; Oct. 27.
Pullman-Standard Car Manufacturing Company. (See Johnson, G. C., and Boles, assignors.)
Puppe, Heinz, deceased, Berlin-Reinickendorf, Germany, by W. A. Dodge, administrator, Schenectady, N. Y., assignor to General Electric Company. Electric control system. 2,300,174; Oct. 27.
Purpura, August C., Chicago, Ill. Waffle baker. 2,300,061; Oct. 27.
Pusey and Jones Corporation, The. (See Hart, Harry H., assignor.)
Rabsahl, William H. (See Dinsley, Alfred, assignor.)
Rader, Myrtle S., Centralia, Ill. Washboard clamp. 2,300,175; Oct. 27.
Radford, George S., Norwalk, Conn., assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass. Ball. 2,300,062; Oct. 27.
Radio Corporation of America. (See Bedford, Alda V., assignor.)
Radio Corporation of America. (See Fredendall, Gordon L., assignor.)
Radio Corporation of America. (See Grundmann, Gustave L., assignor.)
Radio Corporation of America. (See Guedon, Emile C., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Trevor, Bertram, assignor.)
Radio Corporation of America. (See Wendt, Karl R., assignor.)
Radio Corporation of America. (See Whitaker, James N., assignor.)
Radio Corporation of America. (See Wolff, Irving, assignor.)
Railroad Rolling Stock Patents Corporation. (See Van Der Sluys, W., and Best, assignors.)
Ralston, Howard J., Munhall, Pa., assignor to Carnegie-Illinois Steel Corporation. Grasping hook or device for cranes and the like. 2,300,372; Oct. 27.
Raolin Corporation, The. (See Raynolds, James W., assignor.)
Rapid Electrotype Company, The. (See Schomaker, Albert H., assignor.)
Rauen, Carl F., Grosse Pointe, Mich. Preventing retrograde movement of motor vehicles and the like. 2,299,765; Oct. 27.
Raymond, Horace H., Berlin, Conn., and R. Little, assignors to Atlantic Rayon Corporation, Providence, R. I. Expansible cop holder. 2,299,848; Oct. 27.
Raymond, Phyllis, administratrix. (See Raymond, Ralph.)
Raymond, Ralph, deceased, Nyack, by P. Raymond, administratrix, Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Private branch exchange system. 2,300,316; Oct. 27.

Raynolds, James A., Jr., Great Neck, assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Method of and apparatus for producing solid beadlets. 2,299,929; Oct. 27.
Raynolds, James W., Pittsburgh, Pa., assignor to The Raolin Corporation, Charleston, W. Va. Rubber chloride precipitation. 2,300,176; Oct. 27.
Reconstruction Finance Corporation. (See Visser, John, assignor.)
Reconstruction Finance Corporation. (See Westrope, Frederick J., assignor.)
Redington, F. B., Co. (See Malhiot, Clarence J., assignor.)
Reed Roller Bit Company. (See Scott, G. L., and Noble, assignors.)
Rees, Thomas J., Reno, Nev. Steam generating plant. 2,299,849; Oct. 27.
Refrigeration Appliances, Inc. (See Swanson, Sven V., assignor.)
Reis, John P. (See Harrall, E. R., and Reis.)
Reiser, Isidore, New York, N. Y. Controlled sweat band guide. 2,299,930; Oct. 27.
Remington Arms Company. (See Harmon, Jesse, assignor.)
Remington Arms Company. (See Johnson, C. R. Handforth, and Smith, assignors.)
Remington Arms Company. (See Reynolds, Warren S., assignor.)
Remmers, August R., Louisville, Ky. Color selecting chart. 2,300,360; Oct. 27.
Resinous Products & Chemical Company, The. (See Bruson, Herman A., assignor.)
Reynolds, Warren S., Stratford, Conn., assignor to Remington Arms Company, Inc. Primed shell testing apparatus. 2,300,361; Oct. 27.
Rice, Harry B., assignor to Mission Rubber Company, Houston, Tex. Flexible joint for flour sifters. 2,300,135; Oct. 27.
Richards, John F. (See Lubic, George, assignor.)
Richards, Kenneth W., Packanack Lake, N. J., assignor to American Telephone and Telegraph Company. Telegraph system. 2,300,007; Oct. 27.
Richmond, Robert L., Bronxville, assignor to Potdevin Machine Company, Brooklyn, N. Y. Apparatus for operating on web and sheet materials. 2,300,177; Oct. 27.
Riess, August H., and C. P. Rolfe, Lawndale, Calif.; said Rolfe assignor to said Riess. Radiation device. 2,300,008; Oct. 27.
Roberts, Dalton. (See Feddersen, J. F., and Roberts.)
Rockwell, Edward A., West Hartford, assignor to The New Britain Machine Co., New Britain, Conn. Control for automotive vehicles. 2,300,136; Oct. 27.
Rodal, Ralph. (See Schafer, R. A., and Rodal.)
Rolfe, Clarence P. (See Riess, A. H., and Rolfe.)
Romine, Jeromaie, Phoenix, Ariz. Machine for digging, topping, and rooting beets and other vegetables. 2,300,063; Oct. 27.
Rose, Edwin L., Watertown, assignor to The Waterbury Tool Company, Waterbury, Conn. Power transmission. 2,300,009; Oct. 27.
Rose, Harry, Wyandotte, Mich. Combination hot water and steam heater. 2,300,010; Oct. 27.
Rose, Harry, Wyandotte, Mich. Heater. 2,300,011; Oct. 27.
Rosen, Harold, Muskegon, Mich. Packaged article. 2,300,179; Oct. 27.
Rosen, Raphael, Elizabeth, and W. J. Sparks, Cranford, N. J., assignors to Jasco, Incorporated. Mixtures of resinous materials. 2,300,064; Oct. 27.
Rosenthal, Charles, New York, N. Y. Knockdown closet. 2,299,766; Oct. 27.
Rosenwald, Robert H. (See Chenicek, J. A., and Rosenwald.)
Ross Operating Valve Company. (See McLeod, Roy D., assignor.)
Ross, Willie H., Biloxi, Miss. Net drag and spreader. 2,300,178; Oct. 27.
Rowe Manufacturing Co. (See Gabrielsen, Christian, assignor.)
Ruben, Samuel, et al. (See Baum, Frederick W., assignor.)
Rubinstein, Samuel, New York, N. Y. Musical instrument. 2,300,012; Oct. 27.
Ruggles-Klingeman Mfg. Co. (See Kimball, James L., assignor.)
Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Purification of polymerized rosins and rosin esters. 2,300,065; Oct. 27.
Ruppel, Harry W., assignor to The Foote-Burt Company, Cleveland, Ohio. Coolant control and lock for spindle turrets. 2,300,389; Oct. 27.
Rustad, Louis L., assignor to Telesignwriter Company of America, Incorporated, Minneapolis, Minn. System and correlated appliances for producing illuminated moving words. 2,300,236; Oct. 27.
Ryerson, Joseph T., & Son, Inc. (See Hardy, Charles L., assignor.)
Saad, Jorge, Rio de Janeiro, Brazil. Pressure pump of the rotative type. 2,299,931; Oct. 27.
Saco-Lowell Shops. (See Gwaltney, Eugene C., assignor.)
Salisbury, Arthur C., assignor to Fir-Tex Insulating Board Co., St. Helens, Oreg. Fire resistant wallboard. 2,300,137; Oct. 27.
Sampson, Frederick W., assignor to General Motors Corporation, Detroit, Mich. Torsion joint. 2,300,013; Oct. 27.
Saunders, Norman H., assignor to Kellogg Switchboard & Supply Co., Chicago, Ill. Alarm system. 2,300,037; Oct. 27.
Saussure, George E., Pittsburgh, Pa. Liquid filter. 2,300,014; Oct. 27.
Savoye, Charles U. (See Bailey, E. G., and Savoye.)
Schachat, Abraham B. (See Smith, R. J., and Schachat.)
Schafer, Conrad B., Toledo, Ohio, and E. Oberstar, Ottawa, Ill., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Edging machine. 2,299,850; Oct. 27.
Schafer, Robert A., and R. Rodal, assignors to National Automatic Tool Company, Richmond, Ind. Hydraulic control apparatus for machine tools. 2,299,851; Oct. 27.
Scherer, Robert P., Detroit, Mich. Drying tray. 2,300,317; Oct. 27.
Schering Corporation. (See Priewe, Hans, assignor.)
Schmidinger, Joseph, New York, N. Y. Thermally operated switch and the like. 2,299,767; Oct. 27.
Schomaker, Albert H., Bellevue, Ky., assignor to The Rapid Electrotype Company, Cincinnati, Ohio. Treating electrotype matrices. 2,300,015; Oct. 27.
Schroeter, Bruno, and S. M. Scully, assignors to O. & S. Bearing Company, Detroit, Mich. Stabilizer rod. 2,300,237; Oct. 27.
Schulte, Charles F., Columbus, Ohio, assignor to Practical Burial Slipper Company. Last for burial footwear. 2,300,238; Oct. 27.
Schulz, Hans H., Wembley, England. Pump, syringe, and like appliances for surgical and medical and other purposes. 2,299,769; Oct. 27.
Schulze, Ferdinand, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilizing cellulose esters. 2,300,180; Oct. 27.
Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,300,318; Oct. 27.
Schunk, Joseph, assignor to The National Lock Washer Company, Newark, N. J. Bus or car window construction. 2,299,954; Oct. 27.
Schwab, Martin C., Chicago, Ill. Liquid dispensing apparatus. 2,300,066; Oct. 27.
Schwab, Martin C., Chicago, Ill. Ship. 2,300,067; Oct. 27.
Scoles, Wayne L. (See Minger, F. R., and Scoles.)
Scott, Don O., Birmingham, assignor to Hydraulic Brake Company, Detroit, Mich. Fluid operated brake system. 2,299,932; Oct. 27.
Scott, George L., Compton, Calif., and W. B. Noble, assignors to Reed Roller Bit Company, Houston, Tex. Directional drilling apparatus. 2,300,016; Oct. 27.
Sculati, John J. (See Prescott, R. F., Dosser, and Sculati.)
Scully, Samuel McC. (See Schroeter, B., and Scully.)
Scully Signal Co. (See Smith, Roland L., assignor.)
Secretary of Agriculture of the United States of America, and his successors in office, Claude R. Wickard. (See Anderson, Alvin G., assignor.)
Seeger Refrigerator Company. (See Ellsworth, W. A., and Mills, assignors.)
Selmer, H. & A., Inc. (See Feddersen, J. F., and Roberts, assignors.)
Semet-Solvay Engineering Corporation. (See McIntire, Charles V., assignor.)
Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Treatment of solid contact masses. 2,299,768; Oct. 27.
Shaffer, John R., Cumberland, Md. Railway roadbed cleaner. 2,300,017; Oct. 27.
Shaner, Norman M., and W. B. Bardell, Philadelphia, Pa., assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Lubricator mechanism. 2,299,852; Oct. 27.
Shaw, Melvin C. (See Kollberg, G. L., and Shaw.)
Shaw, Richard J., Phoenix, Ariz. Preparing mineral filler. 2,299,933; Oct. 27.
Sherman, Vernon W., Royal Oak, and O. E. Bowlus, assignors to Chrysler Corporation, Highland Park, Mich. Inductive heating apparatus and method. 2,299,934; Oct. 27.
Shotter, George F., Friern Barnet, London, England. Bearing for integrating and like meters. 2,300,362; Oct. 27.
Shuck, Francis D., Santa Monica, Calif. Ladder structure. 2,300,018; Oct. 27.
Siess, Henry J., assignor to Crawford Door Company, Detroit, Mich. Hinge for door construction. 2,300,265; Oct. 27.
Signode Steel Strapping Company. (See Perry, Archie N., assignor.)
Silverman, Charles, Providence, R. I. Necktie holder. 2,300,068; Oct. 27.
Singer Manufacturing Company, The. (See Parry, Frank, assignor.)
Skinner, M. B., Company. (See Gale, W. H., and Merrill, assignors.)
Skooglund, Arthur C., Clark Township, Union County, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Polymerization of olefines to high molecular weight substances. 2,300,069; Oct. 27.

Slack, Frederic W., and C. C. Utz, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Control arm. 2,299,935; Oct. 27.

Slonneger, Bruce K., Cleveland, Ohio. Device for slicing semiplastic materials. 2,299,853; Oct. 27.

Smak, Julius R., Bridgeport, Conn., assignor to Crane Co., Chicago, Ill. Pressure testing apparatus. 2,300,019; Oct. 27.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,300,266; Oct. 27.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner brush. 2,300,267; Oct. 27.

Smith, Albert K., West Orange, N. J., and E. H. Smythe, Evanston, Ill., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone coin collector. 2,299,854; Oct. 27.

Smith, Arthur E., Los Angeles, Calif. Ampule construction. 2,300,070; Oct. 27.

Smith, Emerson S., Ravenna, Ohio. Static ring for linemen's gloves. 2,299,855; Oct. 27.

Smith, Frank C., and T. L. Herren, Colorado Springs, Colo. Timing mechanism. 2,299,856; Oct. 27.

Smith, Leo V., South Tacoma, Wash. Time switch. 2,300,020; Oct. 27.

Smith, Roland L., Belmont, assignor to Scully Signal Co., Cambridge, Mass. Apparatus for cleaning clogged drains. 2,230,319; Oct. 27.

Smith, Roscoe J., Glen Ridge, N. J., and A. B. Schachat, New York, N. Y. Manufacture of slide fastener elements. 2,299,936; Oct. 27.

Smith, Royal E. (See Johnson, C. R., Handforth, and Smith.)

Smith, Verona J., Kew Gardens, N. Y. Mailing folder. 2,300,071; Oct. 27.

Smyers, William H., Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Electrical condenser. 2,300,072; Oct. 27.

Smythe, Edwin H. (See Smith, A. K., and Smythe.)

Snader, Ira J., assignor to Ex-Cell-O Corporation, Detroit, Mich. Work-positioning and backlash compensating device for machine tools. 2,300,363; Oct. 27.

Society of Chemical Industry in Basle. (See Kern, W., Holbro, and Tobler, assignors.)

Solness, Tuomo T., Epsom, Auckland, assignor to All-speed Electric Motors Limited, Auckland, New Zealand. Electric motor. 2,299,857; Oct. 27.

Solomon, Nathan L., Mount Vernon, N. Y. Hairpin comb. 2,299,770; Oct. 27.

Sorenson, Elvira J. (See Sorenson, Wendell L., assignor.)

Sorenson, Wendell L., assignor to E. J. Sorenson, Great Neck, N. Y. Staple bending die for staple applying instruments. 2,299,858; Oct. 27.

Spaight, Harold L., Cedar Rapids, Iowa. Constructing buildings. 2,300,181; Oct. 27.

Spalding, A. G., & Bros. Inc. (See Burns, L. E., and Fahringer, assignors.)

Spalding, A. G., & Bros. Inc. (See Pierce, H. M., and Hermson, assignors.)

Spalding, A. G., & Bros. Inc. (See Radford, George S., assignor.)

Spargo, John. (See Mader, Emil A., assignor.)

Sparks, William J. (See Rosen, R., and Sparks.)

Spelser, Ralph W., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Multiple unit power lawn mower. 2,299,859; Oct. 27.

Sprague, Robert M., Garden City, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Wave signaling system. 2,299,937; Oct. 27.

Spraragen, Louis, assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn. Weather strip and making the same. 2,299,955; Oct. 27.

Stafford, Robert H., Chesterfield County, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn winding. 2,300,073; Oct. 27.

Standard Oil Company. (See Evering, B. L., and d'Ouville, assignors.)

Standard Oil Development Company. (See Connolly, Gerald C., assignor.)

Standard Oil Development Company. (See Hemminger, Charles E., assignor.)

Standard Oil Development Company. (See Holmes, August, assignor.)

Standard Oil Development Company. (See Jones, Minor C. K., assignor.)

Standard Oil Development Company. (See Laughlin, Kenneth C., assignor.)

Standard Oil Development Company. (See Laughlin, K. C., and Brown, assignors.)

Standard Oil Development Company. (See Lieber, Eugene, assignor.)

Standard Oil Development Company. (See Phillips, Robert B., assignor.)

Standard Oil Development Company. (See Wikeska, Louis A., assignor.)

Stanolind Oil and Gas Company. (See Clark, Joseph B., assignor.)

Steele, Maurice G., assignor to The Kent Company, Inc., Rome, N. Y. Floor machine. 2,300,138; Oct. 27.

Stein, Leon J., Philadelphia, Pa. Pipe cutter. 2,300,139; Oct. 27.

Steiner Sales Company. (See Birr, Rudolph G., assignor.)

Stever, William, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Screw-driving or nut-tightening machine. 2,299,956; Oct. 27.

Stewart-Warner Corporation. (See Whitted, John B., assignor.)

Stitt, A. W. (See Pike, Robert D., assignor.)

Stitt, Abraham. (See Grodsky, I., and Stitt.)

Stivender, Edward H., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Synchronous motor starter. 2,299,771; Oct. 27.

Stone, Sol, Brooklyn, N. Y. Multidrawer container. 2,300,021; Oct. 27.

Stoner, Frank R., Jr., and D. M. Gray, Sewickley, assignors to Stoner-Mudge, Inc., Pittsburgh, Pa. Coated paper. 2,300,373; Oct. 27.

Stoner-Mudge, Inc. (See Stoner, F. R., Jr., and Gray, assignors.)

Stoody Company. (See Stoody, S. M. and Abos, assignors.)

Stoody, Shelley M., and R. L. Abos, assignors to Stoody Company, Whittier, Calif. Method and apparatus for centrifugally casting corrosion resistant alloys. 2,299,860; Oct. 27.

Storaasli, Theodore O. (See Larkin, William, assignor.)

Storm, Herbert F., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Vibratory electromagnetic motor. 2,299,957; Oct. 27.

Stout, Frederick S. (See Argabrite, George M.)

Strain, Daniel E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sizing. 2,300,074; Oct. 27.

Strasser, Myron S., Albany, N. Y. Partitioning element for packages. 2,299,861; Oct. 27.

Stuart, Joseph, III, Wilmington, Del. Airplane. 2,300,268; Oct. 27.

Sturgis, Bernhard M., Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 2-mercapto-thiazolines. 2,299,938; Oct. 27.

Sturtevant Mill Company. (See Thompson, Richard C., assignor.)

Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Seal arrangement. 2,299,772; Oct. 27.

Sullivan, Eugene A. (See Colson, R. H., and Sullivan.)

Sullivan Machinery Company. (See Osgood, Charles F., assignor.)

Sumner, George V., Columbia, S. C. and E. B. Branch, Atlanta, Ga. Cake knocker. 2,300,182; Oct. 27.

Sun Oil Company. (See Jolly, Samuel E., assignor.)

Swanson, Sven V., Forest Park, assignor to Refrigeration Appliances, Inc., Chicago, Ill. Space cooler. 2,299,939; Oct. 27.

Swarthout, Edward L., assignor of one-half to J. Bleakney, Portland, Oreg. Hot water heater. 2,300,183; Oct. 27.

Swartz, Guy E., Detroit, Mich. Shaft operating and locking device. 2,300,022; Oct. 27.

Swartz, Guy E., Detroit, Mich. Shaft operating and locking device. 2,300,023; Oct. 27.

Swartzel, Karl D., Jr., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Device for reproducing tone frequencies. 2,300,320; Oct. 27.

Swerdloff, Will. (See Legatski, H. R., Swerdloff, and McCullough.)

Swezey, Benjamin F., Bellingham, Minn. Adjustable fish holder. 2,300,321; Oct. 27.

Sykes, Roger A., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal controlled oscillator. 2,300,075; Oct. 27.

Symington-Gould Corporation, The. (See Couch, Glenn F., assignor.)

Talon, Inc. (See Bailey, Perkins H., assignor.)

Talon, Inc. (See Poux, Noel J., assignor.)

Tampier, René, Cricklewood, London, England. Protective head covering for use in air raids and the like. 2,300,322; Oct. 27.

Tams, Austin F., Cleveland, Ohio, assignor to Dominion Electrical Manufacturing, Inc. Latching mechanism. 2,300,323; Oct. 27.

Tankard, Joseph. (See Battye, A. E., Tankard, and Wood.)

Taylor Instrument Companies. (See Edwards, Evan A., assignor.)

Taylor, William S. (See King, L. L., and Taylor.)

Teager, Stephen R., assignor to The Byers Machine Company, Ravenna, Ohio. Apparatus for sweeping. 2,300,280; Oct. 27.

Teague, Virgil. (See Cannaday, J. C., Teague, and Ledbetter.)

Telesignwriter Company of America. (See Rustad, Louis L., assignor.)

Tenacity Manufacturing Co., The. (See Auburn, Hubert, assignor.)

Te Pas, Coletta A., administratrix. (See Te Pas, E. J., and Berg.)

Te Pas, Edmund J., Euclid, Ohio, deceased; C. A. Te Pas, administratrix, and E. G. Berg, Erie, Pa. Shaving device and cutter head therefor. 2,300,140; Oct. 27.

Terrell, Gertrude H., assignor to W. M. Hicks, Cincinnati, Ohio. Replacement shade structure. 2,300,024; Oct. 27.

Thiede, Ferdinand C. W., Hempstead, assignor to B. A. Proctor Company, Inc., New York, N. Y. Signal recording and communication system. 2,300,239; Oct. 27.

Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,300,240; Oct. 27.

Thomas, Laurence H. (See Kuhn, F., and Thomas.)

Thomasma, John C., Chicago, Ill. Paper blank and seat cover dispenser. 2,299,940; Oct. 27.

Thompson Products, Inc. (See Crawford, F. C., and Colwell, assignors.)

Thompson, Richard C., Colnasset, assignor to Sturtevant Mill Company, Boston, Mass. Method of and mechanism for classifying finely comminuted material. 2,300,324; Oct. 27.

Tobler, Richard. (See Kern, W., Holbro, and Tobler.)

Toda, Yoshiaki, Tokyo, Japan, assignor to General Electric Company. System for electric valve translating apparatus. 2,300,269; Oct. 27.

Tomkins, William C., Portslade-by-Sea, England. Valve and combustion chamber of four-stroke internal combustion engines. 2,300,025; Oct. 27.

Tootal Broadhurst Lee Company, Ltd. (See Battye, A. E., Tankard, and Wood, assignors.)

Toro Manufacturing Corporation of Minnesota. (See Moyer, Amos F., assignor.)

Toro Manufacturing Corporation of Minnesota. (See Speiser, Ralph W., assignor.)

Toussaint, Walter J., South Charleston, and L. G. MacDowell, Jr., Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Preparation of vinyl esters. 2,299,862; Oct. 27.

Townsend, Percy W., Bedford, England, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric circuits. 2,299,941; Oct. 27.

Trautman, Oscar C. (See Wood, W. H., and Trautman.)

Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Power converter and regulator. 2,299,942; Oct. 27.

Trisler, Milton A., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Carburetor accelerating pump. 2,299,863; Oct. 27.

Trucksess, David E. (See Langabeer, H. T., and Trucksess.)

Turner, Edward T., Dayton, Ohio. Method and apparatus for producing pulp. 2,300,184; Oct. 27.

Turner, James P., Tatum, N. Mex. Cotton handling apparatus. 2,300,374; Oct. 27.

Turner, James P., Tatum, N. Mex. Fence post anchor. 2,300,375; Oct. 27.

Udylite Corporation, The. (See Davis, John V., assignor.)

Ueda, George Y., Honolulu, Hawaii. Combination swing hinge and joint. 2,300,076; Oct. 27.

Union Oil Company of California. (See Fisher, Harmon F., assignor.)

Union Switch & Signal Company, The. (See Fisher, Arthur W., assignor.)

Union Switch & Signal Company, The. (See Young, Henry S., assignor.)

United Aircraft Corporation. (See Martin, Erle, assignor.)

United-Carr Fastener Corporation. (See Jones, Walter I., assignor.)

United Elastic Corporation. (See Van Voorhis, George S., assignor.)

United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)

United Shoe Machinery Corporation. (See Courchene, T. P., and Miller, assignors.)

United Shoe Machinery Corporation. (See Engel, Karl, assignor.)

United Shoe Machinery Corporation. (See Gross, Charles J., assignor.)

United Shoe Machinery Corporation. (See Lyon, Harry, assignor.)

United Shoe Machinery Corporation. (See Merritt, Frank R., assignor.)

U. S. Electrical Motors, Inc. (See Myers, Thomas G., assignor.)

United States Rubber Company. (See McGavack, John, assignor.)

United States Rubber Company. (See Wikle, George F., assignor.)

Universal Oil Products Company. (See Benedict, Wayne L., assignor.)

Universal Oil Products Company. (See Chenicek, J. A., and Rosenwald, assignors.)

Universal Oil Products Company. (See Kassel, Louis S., assignor.)

Universal Oil Products Company. (See Pines, H., and Bloch, assignors.)

Universal Oil Products Company. (See Thomas, Charles L., assignor.)

University of Tennessee Research Corporation. (See Hertel, Kenneth L., assignor.)

Urmetz, Walter W., Parma, assignor to The Ferro Engineering Company, Cleveland, Ohio. Wiper strip. 2,300,077; Oct. 27.

Utz, Chester C. (See Slack, F. W., and Utz.)

Van den Berg, Aart. (See Bouwers, A., and van den Berg.)

Van Der Sluys, William, and P. Best, Detroit, Mich., assignors, by mesne assignments, to Railroad Rolling Stock Patents Corporation. Railway equipment. 2,299,943; Oct. 27.

Van Leeuwen, Gerrit H., Amsterdam, Netherlands. Impermeabilizing, tightening, or consolidating grounds and other earthy and stony masses and structures. 2,300,325; Oct. 27.

Van Voorhis, George S., assignor to United Elastic Corporation, Easthampton, Mass. Covered rubber thread. 2,300,241; Oct. 27.

Vaughan, Henry E. (See Horton, A. W., Jr., Murphy, and Vaughan.)

Veyder, Hans, Stuttgart-Degerloch, Germany, vested in the Alien Property Custodian. Seat holding means. 2,299,773; Oct. 27.

Visser, John, Grand Rapids, assignor, by mesne assignments to Reconstruction Finance Corporation, Detroit, Mich. Ash receptacle. 2,300,026; Oct. 27.

Vogelsang, George K. (See Novotny, E. E., and Vogelsang.)

Von Hofe, George W., Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J. Controlling means for adhesive applying apparatus. 2,300,078; Oct. 27.

Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Registering means for labeling and other machines. 2,300,185; Oct. 27.

Vulcan, Louis. (See Barton, Armand, assignor.)

Wagner, Charles L., Pittsburgh, Pa. Safety glasses. 2,300,364; Oct. 27.

Wagner, Charles L., Pittsburgh, Pa. Safety goggles. 2,300,365; Oct. 27.

Wakefield, Richard E. B., Clifton Heights, Pa., assignor to The Canister Company, Phillipsburg, N. J. Key structure for tear strip containers. 2,300,270; Oct. 27.

Waldorf Paper Products Company. (See Guyer, Reynolds, assignor.)

Walker, Charles R. (See Egner, R. J., and Walker.)

Walker, Margaret M., executrix. (See Argabrite, George M.)

Walker, Walter O. (See Ehman, P. J., and Walker.)

Wallace, Bert A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 2,300,186; Oct. 27.

Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Soap apparatus. 2,299,958; Oct. 27.

Ward Leonard Electric Company. (See Logan, Frank G., assignor.)

Waterbury Tool Company, The. (See Rose, Edwin L., assignor.)

Webster, Maury L., Los Angeles, Calif. Furnace wall construction. 2,299,864; Oct. 27.

Weems, Rupert E., Galveston, Tex. Machine for treating shrimp. 2,299,774; Oct. 27.

Weightman, William A., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Panel welding machine. 2,299,776; Oct. 27.

Weimar, Hans C. (See Graves, B. P., and Weimar.)

Wells Lamont Smith Corp. (See Wells, William O., Jr., assignor.)

Wells, William O., Jr., Evanston, assignor to Wells Lamont Smith Corp., Chicago, Ill. Cuffed glove. 2,300,376; Oct. 27.

Wemp, Ernest E., Detroit, Mich. Friction clutch. 2,300,187; Oct. 27.

Wendt, Karl R., Audubon, N. J., assignor to Radio Corporation of America. Direct current reinserting circuit. 2,299,944; Oct. 27.

Wendt, Karl R., Audubon, N. J., assignor to Radio Corporation of America. Direct current reinserting circuit. 2,299,945; Oct. 27.

Wesleysmith, May D., executrix. (See Wesleysmith, Seymour C. L.)

Wesleysmith, Seymour C. L., deceased, by M. D. Wesleysmith, Washington, D. C., executrix. Method and apparatus for making maps from photographs. 2,300,326; Oct. 27.

West Bend Aluminum Company. (See Kraemer, Elmore A., assignor.)

West, George, assignor to Whitin Machine Works, Whitinsville, Mass. Pressure applying means for spinning frames. 2,300,188; Oct. 27.

Western Electric Company, Inc. (See Maddock, Alan J., assignor.)

Western Electric Company, Inc. (See Wolfson, Henry W., assignor.)

Western Union Telegraph Company, The. (See Harrall, E. R., and Reis, assignors.)

Westinghouse Electric & Manufacturing Company. (See Alsing, Carl F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Gayer, George F., assignor.)

Westrope, Frederick J., Pleasant Ridge, assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Slidable visor. 2,299,775; Oct. 27.

Wheeler, William N., Lexington, Ky. Eye closing devices for dolls. 2,300,079; Oct. 27.

Wheeler, William N., Lexington, Ky. Eye opening and closing mechanism for dolls. 2,300,080; Oct. 27.

Whitler, Lawrence V. (See Hamilton, E. L., Whistler, Dechend, and Lee.)

Whitaker, James N., Weehawken, N. J., assignor to Radio Corporation of America. Oscillator with stabilized feedback. 2,300,271; Oct. 27.
White, Clark L. (See Dougherty, R. S. A., and White.)
White Sewing Machine Corporation. (See Colegrove, Nathaniel E., assignor.)
White, Sidney Y., Wilmette, Ill. Method and apparatus for radio receiving. 2,300,081; Oct. 27.
White, William M., Milwaukee, Wis. Pressure measuring instrument. 2,300,327; Oct. 27.
Whitin Machine Works. (See West, George, assignor.)
Whitted, John B., Glencoe, assignor to Stewart-Warner Corporation, Chicago, Ill. Shutoff valve. 2,299,865; Oct. 27.
Whitzel, Raymond T., Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa. Remelting method and apparatus. 2,300,141; Oct. 27.
Wico Electric Company. (See Harmon, Kenneth A., assignor.)
Wikle, George F., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Buffing machine. 2,300,242; Oct. 27.
Wilcox, Ernest H., Los Angeles, Calif. Reinforcement clip and spacer. 2,300,027; Oct. 27.
Wilcox, Ernest H., Los Angeles, Calif. Tunnel and similar structures. 2,300,028; Oct. 27.
Willard, Frederick A., Holtville, Calif. Ice comminuting machine. 2,299,866; Oct. 27.
Williams, Charles W., Cleveland Heights, Ohio, assignor to Automatic Safety Wringer Company. Wringer. 2,299,777; Oct. 27.
Williams, Howell J. (See Bozorth, R. M., and Williams.)
Williams, Robert A., assignor to Ditto, Incorporated, Chicago, Ill. Sorting device for duplicating machines. 2,300,029; Oct. 27.
Wilsey, Irven H., Chicago, Ill. Game. 2,300,328; Oct. 27.
Wilson, Charles V. (See Allen, C. F. H., and Wilson.)
Wilson, John C., Bayside, and D. E. Harnett, Tuckahoe, N. Y., assignors to Hazeltine Corporation. Television receiver including automatic amplification control. 2,300,082; Oct. 27.
Wissler, William A., Niagara Falls, N. Y., assignor to Haynes Stellite Company. Making metal composite articles. 2,299,778; Oct. 27.
Wolf, Harry S., Brooklyn, N. Y. Film holder. 2,299,779; Oct. 27.
Wolf, Morris A., Dallas, Tex. Display rack for men's shirts. 2,299,780; Oct. 27.
Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Cathode ray deflection apparatus. 2,300,189; Oct. 27.
Wolfson, Henry M., assignor to Western Electric Company, Incorporated, New York, N. Y. Calibrating apparatus for temperature reporting devices. 2,299,867; Oct. 27.
Wood, Frederick C. (See Battye, A. E., Tankard, and Wood.)
Wood, Morris B., Newbury, assignor to The Chase-Shawmut Company, Newburyport, Mass. Fusible electric protective device. 2,300,142; Oct. 27.
Wood Newspaper Machinery Corporation. (See Shaner, N. M., and Bardell, assignors.)
Wood, William H., South Euclid, and O. C. Trautman, Parma, Ohio. Heat treating steel wire and apparatus therefor. 2,300,329; Oct. 27.
Woodbury, Clifford A. (See Lawson, W. E., and Woodbury.)
Worthington, Hood, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for the production of structures. 2,300,083; Oct. 27.
Wotring, Gaylord H., Bridgeport, Conn., assignor to General Electric Company. Atomizing oil burner. 2,300,190; Oct. 27.
Wright Aeronautical Corporation. (See Kueppers, Albert E., assignor.)
Wright, Clarence, assignor of one-half to Wright Rubber Products Co., Racine, Wis., and one-half to P. L. Cassidy, Chicago, Ill. Floor covering. 2,300,084; Oct. 27.
Wright, Gilbert M., Los Angeles, Calif. Teaching telegraphy. 2,300,038; Oct. 27.
Wright Rubber Products Co., et al. (See Wright, Clarence, assignor.)
Wruk, Frank T. (See Jensen, O. M., Wruk, and McDonald.)
Yeomans Brothers Company. (See Yeomans, C., and Jeffery, assignors.)
Yeomans, Charles, Hubbard Woods, and H. T. Jeffery, assignors to Yeomans Brothers Company, Chicago, Ill. Package type sewage ejector. 2,300,039; Oct. 27.
Young, Charles H., Stockton, Calif. Radial multiple expansion steam engine. 2,300,191; Oct. 27.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,300,272; Oct. 27.
Younghusband, James L., Chicago, Ill. Razor. 2,299,868; Oct. 27.
Younghusband, James L., Chicago, Ill. Safety razor and blade. 2,299,869; Oct. 27.
Yunker, Clarence R., Elsie, Oreg. Method and apparatus for defrosting and washing refrigerators. 2,300,085; Oct. 27.
Zaeslin, Hans. (See Martin, H., Hirt, and Zaeslin.)
Zierden, Frank P., St. Francis, Wis. Hose housing. 2,300,243; Oct. 27.
Zinkil, Roy H., Oak Park, E. A. Fredrickson, Chicago, and E. W. Marchand, Jr., Maywood, assignors to Crane Co., Chicago, Ill. Valve. 2,300,030; Oct. 27.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brake mechanism. C. L. Eksergian. Re. 22,211; Oct. 27.
Feeding mechanism for shaker or jigging conveyers. E. R. Bergmann. Re. 22,209; Oct. 27.
Glycerol from still residues from fermentation processes, Recovery of. R. A. Walmesley. Re. 22,213; Oct. 27.
Mail exchange, Aerial. R. I. Kelton. Re. 22,212; Oct. 27.
Olefines, Polymerization of. M. de Simó and F. B. Hilmer. Re. 22,210; Oct. 27.
Refrigeration apparatus. O. H. Yoxsimer. Re. 22,214; Oct. 27.

LIST OF DESIGN INVENTIONS

Airplane. F. A. Wagner. 134,182; Oct. 27.
Badge. R. E. Maulsby. 134,178; Oct. 27.
Badge or the like. W. McAdam. 134,195; Oct. 27.
Bathroom unit, Combination. D. E. Anderson. 134,199; Oct. 27.
Boiler. A. F. Renz. 134,213; Oct. 27.
Boiler or the like, Double. K. Schneider. 134,167; Oct. 27.
Bottle and encasement therefor, Combined. J. Green. 134,188; Oct. 27.
Bottle or similar article. P. Schwartz. 134,181; Oct. 27.
Building or the like, Food service. J. D. White. 134,184; Oct. 27.
Button, Lapel. F. P. Coleman. 134,186; Oct. 27.
Cards, Deck of playing. C. F. Nielsen. 131,179; Oct. 27.
Carrier, Bottle. C. F. Belshaw. 134,185; Oct. 27.
Coffee maker. K. Schneider. 134,169; Oct. 27.
Coffeepot or the like. K. Schneider. 134,168; Oct. 27.
Cooking vessel. K. Schneider. 134,165–6; Oct. 27.
Cuspidor or similar article. E. Grossman. 134,162–3; Oct. 27.
Detector, Gas. J. F. Dauster, R. E. Hartline, and P. C. Perrin. 134,171; Oct. 27.
Display figure or similar article. E. M. Kafka. 134,190; Oct. 27.
Dress. N. Carson. 134,201; Oct. 27.
Dress. J. M. Fauth. 134,202; Oct. 27.
Dress. H. R. Herrmann. 134,207; Oct. 27.
Dress. M. McCoy. 134,221–5; Oct. 27.
Dress. M. Norton. 134,209–11; Oct. 27.
Dress. C. Ormsbee. 134,226–7; Oct. 27.
Dress. M. Parnis. 134,228; Oct. 27.
Dress. L. Simmons. 134,232; Oct. 27.
Dress. H. H. Stahl. 134,214–15; Oct. 27.
Electrical draftsman's symbol template. E. A. Pullan. 134,212; Oct. 27.
Emblem or similar article, Applique. F. J. Kell. 134,174–5; Oct. 27.
Engine starting unit. R. M. Heintz. 134,189; Oct. 27.
Fabric, Narrow woven. C. S. Wackerman. 134,233–4; Oct. 27.
Fabric or similar article, Textile. C. Rosenstein. 134,230; Oct. 27.
Fabric or the like, Textile. J. Raab. 134,229; Oct. 27.
Fabric, Textile. J. E. Maisch. 134,217–20; Oct. 27.
Filter disk for drip coffee makers. A. Peterson. 134,164; Oct. 27.
Flag. W. M. Anderson. 134,170; Oct. 27.
Flag or the like. L. Grudin. 134,172; Oct. 27.
Hat. Z. Harpignies. 134,203–4; Oct. 27.
Hoist. H. F. Parker. 134,180; Oct. 27.
Holder, Cigarette pack. E. Kanter. 134,173; Oct. 27.
Holder, Spool. E. G. McCrary. 134,208; Oct. 27.
Hook, Crochet. S. Shapiro. 134,231; Oct. 27.
Horn, Filling. R. W. Smith. 134,196; Oct. 27.
Medal. E. R. Moore. 134,191; Oct. 27.
Pencil tip, Mechanical. H. S. Hasselquist. 134,205–6; Oct. 27.
Pencil tip, Mechanical. H. S. Hasselquist. 134,216; Oct. 27.
Photoelectric cell. A. H. Lamb. 134,176; Oct. 27.
Rail, Kneeling. R. R. De Ment. 134,161; Oct. 27.
Refrigerator. H. B. Barber. 134,160; Oct. 27.
Ring or the like. W. Lampl. 134,177; Oct. 27.
Shade, Lamp. H. H. Warde. 134,183; Oct. 27.
Shoe. M. and C. A. Julianelli. 134,192; Oct. 27.
Slipper. N. Locilento. 134,194; Oct. 27.
Sole and heel, Combined. F. X. Lipari. 134,193; Oct. 27.
Spoon or similar article. G. N. Allen and W. H. Gerth. 134,198; Oct. 27.
Spoon or similar article. G. N. Allen and L. E. Ressegger. 134,197; Oct. 27.
Statuette. N. Falardo. 134,187; Oct. 27.
Tablecloth, Lace. W. Wolf. 134,235; Oct. 27.
Wallet. H. P. Behrman. 134,200; Oct. 27.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF OCTOBER, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetone from ethyl alcohol, Production of. H. Dreyfus and W. H. Groombridge. 2,299,806; Oct. 27.
Adjustable coupling. A. Dion. 2,300,247; Oct. 27.
Aerial cables, Suspending. D. J. Neale. 2,300,035; Oct. 27.
Air outlet device. F. J. Kurth. 2,300,049; Oct. 27.
Aircraft pilot training device. H. Nicholson. 2,300,004; Oct. 27.
Airplane. J. Stuart, III. 2,300,268; Oct. 27.
Alarm system. N. H. Saunders. 2,300,037; Oct. 27.
Alloy: *See*—
Metal alloy.
Alloy of iron and aluminum, Magnetic. R. M. Bozorth and H. J. Williams. 2,300,336; Oct. 27.
Ammonia derivative, Quaternary. M. Katzman and B. R. Harris. 2,299,756; Oct. 27.
Amplifier, Broad band. H. Nyquist. 2,300,133; Oct. 27.
Ampule construction. A. E. Smith. 2,300,070; Oct. 27.
Amusement apparatus. H. F. Maynes. 2,299,760; Oct. 27.
Anchor, Fence post. J. P. Turner. 2,300,375; Oct. 27.
Antenna, Radio. E. L. Barrett. 2,299,785; Oct. 27.
Apparatus and method of testing surfaces. J. G. Curado and R. A. Denton. 2,300,107; Oct. 27.
Apparatus for churning under vacuum. R. D. Pike. 2,300,171; Oct. 27.
Apparatus for cleaning electrical equipment, Portable. F. R. Hunter. 2,299,987; Oct. 27.
Apparatus for cleaning potatoes. H. A. G. Harwood. 2,300,046; Oct. 27.
Apparatus for clearing clogged drains. R. L. Smith. 2,300,319; Oct. 27.
Apparatus for degreasing gear casings. J. F. Black. 2,299,789; Oct. 27.
Apparatus for dressing welder electrodes. H. T. Platz. 2,300,173; Oct. 27.
Apparatus for exchanging heat. H. C. Osborn, Jr., C. S. Brown, and R. C. Brett. 2,300,058; Oct. 27.
Apparatus for forming castings from powdered metals. L. H. Morin. 2,300,302; Oct. 27.
Apparatus for handling articles in bulk. J. V. Davis. 2,299,965; Oct. 27.
Apparatus for making contact lenses. A. F. Dittmer. 2,300,210; Oct. 27.
Apparatus for operating on web and sheet materials. R. L. Richmond. 2,300,177; Oct. 27.
Apparatus for sampling liquids. A. G. Anderson. 2,300,194; Oct. 27.
Apparatus for sweeping. S. R. Teager. 2,300,280; Oct. 27.
Apparatus for washing clothes. J. J. McCabe. 2,300,055; Oct. 27.
Apparatus mounting arrangement. P. L. Christensen. 2,300,205; Oct. 27.
Article forming and handling mechanism. G. Goebel. 2,299,816; Oct. 27.
Article handling mechanism. A. J. Lippold. 2,300,298; Oct. 27.
Ash receptacle. J. Visser. 2,300,026; Oct. 27.
Atomizing oil burner. G. H. Wotring. 2,300,190; Oct. 27.
Attaching means for apparel elements. H. M. Herbener. 2,300,154; Oct. 27.
Austenitic steels, Annealing. O. Dahl and F. Pawlek. 2,300,274; Oct. 27.
Automobile signal. W. Larkin. 2,300,260; Oct. 27.
Automotive suspension. R. H. Phelps. 2,299,926; Oct. 27.
Auxiliary throttle valve. M. F. Moore and F. F. Kishline. 2,299,919; Oct. 27.
Baker, Waffle. A. C. Purpura. 2,300,061; Oct. 27.
Ball. G. S. Radford. 2,300,062; Oct. 27.
Ball-covering machine. A. C. Bowers. 2,300,096; Oct. 27.
Barge. A. M. Kennedy. 2,299,992; Oct. 27.
Beadlets, Method of and apparatus for producing solid. J. A. Raynolds, Jr. 2,299,929; Oct. 27.
Bearing for integrating and like meters. G. F. Shotter. 2,300,362; Oct. 27.
Bicycle light. C. McDermott. 2,299,762; Oct. 27.
Bituminous materials, Making light-colored. A. Holmes. 2,300,119; Oct. 27.
Block: *See*—
Insulating block.
Boat, Foot-propelled. C. H. Clark. 2,299,737; Oct. 27.
Bookmark. I. Grodsky and A. Stitt. 2,300,216; Oct. 27.
Borates. (Di-aryl). R. F. Prescott, R. C. Dosser, and J. J. Sculati. 2,300,006; Oct. 27.
Boron fluoride complex as catalyst for the esterification of cellulose. F. T. Flaherty and A. McAlevy. 2,300,213; Oct. 27.
Bottle breaker. M. H. Johnstone. 2,299,902; Oct. 27.
Bottle carrier. H. E. Brunhoff. 2,300,201; Oct. 27.
Bottle cooler. W. L. Morrison. 2,300,303; Oct. 27.
Box: *See*—
Junction box.
Starting box.
Stickless, stapleless chick box.
Box assembly, Journal. G. F. Couch. 2,300,346; Oct. 27.
Bracket: *See*—
Post bracket.
Bracket and transposing wires. T. P. Brewster and A. C. McKahan. 2,299,960; Oct. 27.
Brake arrangement. W. H. Baselt and W. A. Helsten. 2,299,726; Oct. 27.
Brake cooling device. T. P. Chase. 2,299,796; Oct. 27.
Brake system, Fluid operated. D. O. Scott. 2,299,932; Oct. 27.
Broom, Hydraulic controlled drag. J. B. Allen. 2,300,192; Oct. 27.
Brush and mop holder. C. Fatland. 2,299,810; Oct. 27.
Brush, Suction cleaner. D. G. Smellie. 2,300,267; Oct. 27.
Buffing machine. G. F. Wikle. 2,300,242; Oct. 27.
Building construction. H. A. Faber. 2,300,113; Oct. 27.
Buildings, Constructing. H. L. Spaight. 2,300,181; Oct. 27.
Burner: *See*—
Atomizing oil burner.
Button making machine. A. V. Marsik. 2,300,301; Oct. 27.
Cabinet: *See*—
Radio phonograph carriage and cabinet.
Refrigerating cabinet.
Cabinet. R. E. Ottenheimer. 2,299,763; Oct. 27.
Cabinet and stop mechanism therefor, Dispensing. R. G. Birr. 2,299,729; Oct. 27.
Cake knocker. G. V. Sumner. 2,300,182; Oct. 27.
Calcining apparatus. L. Caldwell. 2,300,042; Oct. 27.
Calcium carbonate deposition for corrosion inhibition, Control of. G. B. Hatch. 2,299,748; Oct. 27.
Calculating device, Trigonometrical. J. T. Dalton. 2,300,347; Oct. 27.
Calibrating apparatus for temperature reporting devices. H. M. Wolfson. 2,299,867; Oct. 27.
Calk device. H. M. Pierce and J. H. Hermson. 2,299,927; Oct. 27.
Calk for antiskid tire chains. A. M. Haynes. 2,300,383; Oct. 27.
Camera construction. B. H. Bell. 2,300,245; Oct. 27.
Candle holder. E. H. Ketchum. 2,300,226; Oct. 27.
Cap: *See*—
Chimney cap.
Capacity pump, Variable. J. R. Betts. 2,299,734; Oct. 27.
Carbides and ferro-alloys, Production of. T. Ellefsen. 2,300,355; Oct. 27.
Carbonating device. J. K. Lund. 2,300,300; Oct. 27.
Carburetor accelerating pump. M. A. Trisler. 2,299,863; Oct. 27.
Carburetor, pickup system. T. M. Ball. 2,299,872; Oct. 27.
Card holder. A. Barton. 2,300,333; Oct. 27.
Carpenter's square, Knockdown. E. N. Hannum. 2,300,219; Oct. 27.
Carrier: *See*—
Bottle carrier.
Lapping carrier.
Carton, Egg. G. W. Dearbaugh. 2,299,966; Oct. 27.
Case: *See*—
Folding case.
Casing protector. J. E. Hall. 2,299,978; Oct. 27.
Catalytic conversion of hydrocarbons. L. S. Kassel. 2,300,032–33; Oct. 27.
Catalytic conversion process. B. L. Evering and E. L. d'Ouville. 2,300,249; Oct. 27.
Catalytic cracking. C. E. Hemminger. 2,300,152; Oct. 27.
Catalytic cracking of hydrocarbons. W. L. Benedict. 2,300,031; Oct. 27.
Catalytic polymerization of olefines. E. Keunecke and W. Muench. 2,300,123; Oct. 27.
Catalytic treatment. G. C. Connoliy. 2,300,106; Oct. 27.
Cathead and spinning drum assembly. B. F. Kelley. 2,300,122; Oct. 27.
Cathode ray deflection apparatus. I. Wolff. 2,300,189; Oct. 27.
Cellulosic textile materials, Treatment of. C. Dunbar. 2,299,807; Oct. 27.
Cement, Flexible. R. D. Earle. 2,300,352; Oct. 27.
Chain aliphatic compounds, Manufacture of branched. E. A. Ocon. 2,299,844; Oct. 27.

Chart, Color selecting. A. R. Remmers. 2,300,360; Oct. 27.
Chimney cap. K. Mattes. 2,300,128; Oct. 27.
Chimney extension. E. J. Artis. 2,300,088; Oct. 27.
Chloride precipitation, Rubber. J. W. Raynolds 2,300,176; Oct. 27.
Chute, Mail. J. D. Harper. 2,299,896; Oct. 27.
Cigarette container, lighter, and dispenser, Combination. R. Mayer. 2,299,735–6; Oct. 27.
Circuit: *See*—
Direct current reinserting circuit.
Oscillation generator circuit.
Circuit apparatus, Track. A. W. Fisher. 2,300,250; Oct. 27.
Circuit breaker. W. L. Butler. 2,300,202; Oct. 27.
Clamp: *See*—
Washboard clamp.
Clasp, Garter. R. G. Cheney. 2,300,342; Oct. 27.
Cleaner: *See*—
Railway roadbed cleaner.
Suction cleaner.
Clip and spacer, Reinforcement. E. H. Wilcox. 2,300,027; Oct. 27.
Clock, World. M. M. Clough. 2,299,913; Oct. 27.
Closet, Knockdown. C. Rosenthal. 2,299,766; Oct. 27.
Closure and adhesive therefor. J. Harmon. 2,300,368; Oct. 27.
Closure, Shot shell. J. Harmon. 2,300,367; Oct. 27.
Cloth, Dish. M. B. Gebhart. 2,299,950; Oct. 27.
Clothesline fastener. J. I. W. Carlson. 2,299,794; Oct. 27.
Clutch: *See*—
Friction clutch.
Clutch. N. A. Colucci. 2,299,739; Oct. 27.
Coated paper. F. R. Stoner, Jr., and D. M. Gray. 2,300,373; Oct. 27.
Coin operated switch. C. J. Holinger. 2,299,820; Oct. 27.
Collar, Detachable. S. Lapick. 2,300,125; Oct. 27.
Colloidal lead iodide, Producing. A. Dinsley. 2,300,275; Oct. 27.
Comb, Hairpin. N. L. Solomon. 2,299,770; Oct. 27.
Compressor for refrigerating apparatus. R. N. Feicht 2,299,811; Oct. 27.
Computer, Direct reading. R. N. Feicht. 2,299,744; Oct. 27.
Concrete mixer. E. R. Fesenmaier. 2,299,888; Oct. 27.
Condensation product of naphthenic acid halide and making it. E. Lieber. 2,300,126; Oct. 27.
Condenser: *See*—
Electrical condenser.
Connector: *See*—
Electrical connector.
Connector for temporary lamp circuits. M. H. Johnson. 2,299,989; Oct. 27.
Contact member. A. C. Peters. 2,300,309; Oct. 27.
Container: *See*—
Multidrawer container.
Sealed engine container.
Container for liquids. A. B. De Fallardi. 2,299,804; Oct. 27.
Contact masses, Treatment of solid. H. A. Shabaker. 2,299,768; Oct. 27.
Control and lock for spindle turrets, Coolant. H. W. Ruppel. 2,300,389; Oct. 27.
Control arm. F. W. Slack and C. C. Utz. 2,299,935; Oct. 27.
Control field surface member. J. P. Wilson. 2,300,756; Oct. 27.
Control for automotive vehicles. E. A. Rockwell. 2,300,136; Oct. 27.
Control mechanism for liquid dispensing apparatus. C. P. Griffith. 2,299,894; Oct. 27.
Control mechanism for sulky rakes, Remote. O. C. Musselman. 2,300,164; Oct. 27.
Control system. H. W. Brentz. 2,299,959; Oct. 27.
Controller for electric circuits. P. W. Townsend. 2,299,941; Oct. 27.
Controlling device for web feeding and cutting machines. D. R. Horwitz. 2,299,984; Oct. 27.
Controlling means for adhesive applying apparatus. G. W. von Hofe. 2,300,078; Oct. 27.
Controlling system. W. F. Fell. 2,299,887; Oct. 27.
Cooler: *See*—
Bottle cooler.
Space cooler.
Cooling device for motor vehicles. E. E. Hans. 2,300,358; Oct. 27.
Cop holder, Expansible. H. H. Raymond and R. Little. 2,299,848; Oct. 27.
Copolymerization product of vinyl halides and nuclearly halogenated arylalkanol esters of acrylic acid. G. F. D'Alelio. 2,299,740; Oct. 27.
Correction method and machine, Unbalance. W. B. Eddison. 2,300,354; Oct. 27.
Corrosion resistant alloys, Method and apparatus for centrifugally casting. S. M. Stoody and R. L. Abos. 2,299,860; Oct. 27.
Corset. M. Kahn. 2,299,903; Oct. 27.
Cotton handling apparatus. J. P. Turner. 2,300,374; Oct. 27.
Coupling: *See*—
Adjustable coupling.
Fluid coupling.
Cover fastener. G. Mather. 2,300,161; Oct. 27.
Cover interlock for electrical casings. P. M. Christensen. 2,300,102; Oct. 27.
Covering. F. M. Allen. 2,300,193; Oct. 27.
Covering, Floor. C. Wright. 2,300,084; Oct. 27.
Covering for use in air raids and the like, Protective head. R. Tampier. 2,300,322; Oct. 27.
Crankshaft chucking mechanism. W. L. Groene. 2,299,975; Oct. 27.
Curing composition, Salt. A. Lippman, Jr. 2,299,999; Oct. 27.
Cutoff valve. W. Price. 2,299,847; Oct. 27.
Cutter: *See*—
Pipe cutter.
Cutter head for shaving devices. E. G. Berg. 2,300,143; Oct. 27.
Cycle saddles, Process and apparatus for making. R. W. Faulhaber. 2,300,380; Oct. 27.
Cylinder by-pass control, Hydraulic. H. R. Ellinwood. 2,300,112; Oct. 27.
Cylinder, Compound master. E. F. Loweke. 2,299,912; Oct. 27.
Cylindrical objects, Transportation of. A. N. Perry. 2,300,059; Oct. 27.
Deep well pump. D. W. Justis. 2,300,121; Oct. 27.
Defrosting and washing refrigerators, Method and apparatus for. C. R. Yunker. 2,300,085; Oct. 27.
Device for holding dishes in cupboards. J. E. Cuff 2,300,207; Oct. 27.
Device for peeling potatoes and the like. C. V. McCauley. 2,299,761; Oct. 27.
Device for reproducing tone frequencies. K. D. Swartzel, Jr. 2,300,320; Oct. 27.
Device for slicing semiplastic materials. B. K. Slonneger. 2,299,853; Oct. 27.
Die for staple applying instruments, Staple bending. W. L. Sorenson. 2,299,858; Oct. 27.
Direct current reinserting circuit. K. R. Wendt. 2,299,944–5; Oct. 27.
Direction signal switch. G. E. Breeze. 2,299,876; Oct. 27.
Disks, Manufacture of. F. H. Le Jeune. 2,299,998; Oct. 27.
Dispenser: *See*—
Cigarette container, lighter and dispenser.
Paper blank and seat cover dispenser.
Dispensing apparatus, Liquid. M. C. Schwab. 2,300,066; Oct. 27.
Dispensing apparatus of the magazine type. T. Cavoto. 2,299,736; Oct. 27.
Display system for moving vehicles. M. Arendt. 2,299,731; Oct. 27.
Door machine. C. V. McIntire. 2,299,916; Oct. 27.
Door opener. A. F. Hummel. 2,299,986; Oct. 27.
Drag and spreader, Net. W. H. Ross. 2,300,178; Oct. 27.
Drill: *See*—
Electric drill.
Drilling and countersinking machine. E. L. Hamilton, L. V. Whistler, W. G. Dechend, and J. J. Lee. 2,300,253; Oct. 27.
Drilling apparatus. F. H. Mueller and W. J. Bowan. 2,299,843; Oct. 27.
Drilling apparatus. C. F. Osgood. 2,300,167; Oct. 27.
Drilling apparatus, Directional. G. L. Scott and W. B. Noble. 2,300,016; Oct. 27.
Duplicating and mechanism therefor. H. H. Grobecker. 2,299,974; Oct. 27.
Dyestuffs of the fluoranthene series and preparing same, Vat. W. Kern, T. Holbro, and R. Tobler. 2,299,826; Oct. 27.
Edging machine. C. B. Schafer and E. Oberstar. 2,299,850; Oct. 27.
Egg white treatment. L. D. Mink. 2,299,953; Oct. 27.
Electric circuit breaker. H. E. Brannon. 2,299,728; Oct. 27.
Electric control system. H. Puppe. 2,300,174; Oct. 27.
Electric discharge tube. A. Bouwers and A. van Den Berg. 2,299,792; Oct. 27.
Electric drill. M. J. Demo. 2,299,881; Oct. 27.
Electric dynamometer. K. R. McDougal. 2,300,163; Oct. 27.
Electric fixture. G. Arras. 2,299,870; Oct. 27.
Electric marine cable stripper. T. P. Anello. 2,300,087; Oct. 27.
Electric motor. T. T. Solness. 2,299,857; Oct. 27.
Electric step motion device for looms. J. R. Brooks and J. T. Colvard. 2,300,098; Oct. 27.
Electric valve converting system. I. K. Dortort. 2,300,377; Oct. 27.
Electrical apparatus. R. S. Bennett. 2,300,195; Oct. 27.
Electrical clearance measuring system. R. H. Colson and E. A. Sullivan. 2,299,798; Oct. 27.
Electrical condenser. W. H. Smyers. 2,300,072; Oct. 27.
Electrical connection means. P. Beal. 2,299,787; Oct. 27.
Electrical connector. G. B. Benander. 2,299,733; Oct. 27.
Electrical contact. C. B. Gwyn, Jr. 2,300,286; Oct. 27.
Electrical treatment of water to reduce effects of hardness thereof. R. H. Crouch. 2,299,964; Oct. 27.
Electrode holder. H. A. Jackson. 2,300,295; Oct. 27.
Electrolytic reduction of sugars in acid solutions. R. A. Hales. 2,300,218; Oct. 27.
Electromagnetic rotating field system. H. Bergmann. 2,300,334; Oct. 27.
Electron discharge device system. N. E. Lindenblad. 2,300,052; Oct. 27.

Electrotype matrices, Treating. A. H. Schomaker. 2,300,015; Oct. 27.
Elevator, Sucker rod. C. Lowrey. 2,300,370; Oct. 27.
Emulsion polymerization of butadienes. H. Mels and R. Ludwig. 2,300,056; Oct. 27.
Engine: *See*—
Internal combustion engine. Radial multiple expansion steam engine.
Internal combustion rotary engine.
Engine starter gearing. J. E. Buxton. 2,300,337; Oct. 27.
Engine starting mechanism. R. M. Nardone. 2,300,002; Oct. 27.
Esters, Preparation of vinyl. W. J. Toussaint and L. G. MacDowell, Jr. 2,299,862; Oct. 27.
Esters, Stabilizing cellulose. F. Schulze. 2,300,180; Oct. 27.
Exchange system, Private branch. R. Raymond. 2,300,316; Oct. 27.
Explosive charge for oil wells. W. E. Lawson and C. A. Woodbury. 2,299,907; Oct. 27.
Eye closing devices for dolls. W. N. Wheeler. 2,300,079; Oct. 27.
Eye opening and closing mechanism for dolls. W. N. Wheeler. 2,300,080; Oct. 27.
Fabric article, Reinforced. S. Heintz. 2,300,155; Oct. 27.
Fastener: *See*—
Clothesline fastener. Resilient fastener.
Cover fastener. Separable slide fastener.
Fastener. K. L. Johnson. 2,299,752; Oct. 27.
Fastener and fastener installation. S. M. Del Camp. 2,300,349; Oct. 27.
Fastener elements, Manufacture of slide. R. J. Smith and A. B. Schachat. 2,299,936; Oct. 27.
Fastener member, Snap. W. I. Jones. 2,300,292; Oct. 27.
Faucet and valve therefor. J. L. Edlund. 2,300,111; Oct. 27.
Feather-picking apparatus for fowl and the like. G. R. Hunt. 2,300,157; Oct. 27.
Feeder: *See*—
Rodent poison feeder.
Film holder. H. S. Wolf. 2,299,779; Oct. 27.
Film producing process and apparatus. W. C. Eberlin. 2,300,211; Oct. 27.
Filter: *See*—
Liquid filter.
Filter. C. L. Hardy. 2,300,381; Oct. 27.
Filters, Making. C. L. Hardy. 2,300,382; Oct. 27.
Fire resistant wallboard. A. C. Salisbury. 2,300,137; Oct. 27.
Fish holder, Adjustable. B. F. Swezey. 2,300,321; Oct. 27.
Flexible pocket receptacle. W. R. Buxton. 2,300,144; Oct. 27.
Floor machine. M. G. Steele. 2,300,138; Oct. 27.
Fluid coupling. W. T. Dunn. 2,299,883; Oct. 27.
Fodder, Preservation of. O. Hansen. 2,299,745; Oct. 27.
Foldable table. T. G. Linderme. 2,299,909; Oct. 27.
Folder, Mailing. V. J. Smith. 2,300,071; Oct. 27.
Folding case. B. B. Freifeld. 2,300,215; Oct. 27.
Folding mechanism. C. J. Malhiot. 2,299,757; Oct. 27.
Folding table. T. G. Linderme. 2,299,910; Oct. 27.
Fork for citrus fruit, Holding. R. Polk, Sr., and R. Polk, Jr. 2,300,311; Oct. 27.
Form, Printed. D. L. Francescon. 2,299,890; Oct. 27.
Foundation, Monolithic. J. M. Crom. 2,299,949; Oct. 27.
Fourdrinier machine. H. H. Hart. 2,299,746; Oct. 27.
Frame: *See*—
Heddle frame.
Frame for blackboards. A. A. Elnett. 2,300,248; Oct. 27.
Freezer for peas and other produce. F. W. Knowles. 2,300,229; Oct. 27.
Friction clutch. E. E. Wemp. 2,300,187; Oct. 27.
Fruit peeler. R. Polk, Sr. 2,300,312; Oct. 27.
Fuel feed device for aircraft. R. Avigdor. 2,300,332; Oct. 27.
Fuel, Motor. P. L. Cramer. 2,299,801; Oct. 27.
Fuel pump. B. R. Pool. 2,300,314; Oct. 27.
Furnace: *See*—
Hot air furnace.
Furnace and associated parts. W. S. Blauvelt and N. A. Curry. 2,299,727; Oct. 27.
Game. C. U. Deaton. 2,299,803; Oct. 27.
Game. I. H. Wilsey. 2,300,328; Oct. 27.
Game apparatus. R. W. Adams. 2,299,781; Oct. 27.
Game apparatus, Torpedo shooting. F. M. New. 2,300,132; Oct. 27.
Garment construction. P. H. Bailey. 2,299,947; Oct. 27.
Garment hanger. R. Guyer. 2,299,977; Oct. 27.
Gas burner control. E. R. Downe. 2,300,146; Oct. 27.
Gas detector. E. W. Gent. 2,299,815; Oct. 27.
Gas generator and heater, Combined. E. Achterman. 2,300,244; Oct. 27.
Gasketed joint. R. Franks. 2,299,813; Oct. 27.
Gate control for truck bodies, End. E. T. Newell. 2,299,922; Oct. 27.
Gauge: *See*—
Water gauge.
Gear cutting apparatus. R. L. Mattson. 2,299,915; Oct. 27.
Gear for trailers or the like, Running. S. B. Perkins. 2,300,169; Oct. 27.
Generator: *See*—
Steam generator.
Girdle or like garment. H. M. Herbener. 2,300,153; Oct. 27.
Glass article, Cast. A. W. Hull and R. W. Moore. 2,299,750; Oct. 27.
Glass pulls, Mounting. M. C. Koester. 2,299,827; Oct. 27.
Glasses, Safety. C. L. Wagner. 2,300,364; Oct. 27.
Glider construction. A. S. Goldberg. 2,300,116; Oct. 27.
Globe support for electric lanterns, Colored. W. M. Moxley. 2,300,304; Oct. 27.
Glove, Cuffed. W. O. Wells, Jr. 2,300,376; Oct. 27.
Goggles, Safety. C. L. Wagner. 2,300,365; Oct. 27.
Golf club. G. Carney. 2,300,043; Oct. 27.
Governor. R. D. Fageol and W. E. Leibing. 2,300,378; Oct. 27.
Governor. A. Kalin. 2,299,824; Oct. 27.
Gravitationally actuated hanger. G. P. Byrkit. 2,299,962; Oct. 27.
Grenade, Hand. G. Keeling. 2,299,904; Oct. 27.
Grounds and other earthy and stony masses and structures, Impermeabilizing, tightening, or consolidating. G. H. van Leeuwen. 2,300,325; Oct. 27.
Guide, Controlled sweat band. I. Reiser. 2,299,930; Oct. 27.
Guiding and transfer device. W. T. Mohan. 2,300,359; Oct. 27.
Hair wave pad. W. F. Hudson. 2,299,985; Oct. 27.
Halogen containing acylaminosulphonic acids and their manufacture. J. Martin, R. Hirt, and H. Zaeslin. 2,299,834; Oct. 27.
Ham, Treatment of. L. O. Alkire. 2,299,946; Oct. 27.
Hanger: *See*—
Garment hanger.
Gravitationally actuated hanger.
Headlight. F. Briehl. 2,300,097; Oct. 27.
Heat treating steel wire and apparatus therefor. W. H. Wood and O. C. Trautman. 2,300,329; Oct. 27.
Heater: *See*—
Gas generator and heater. Hot water heater.
Hot water and steam heater.
Heater. H. Rose. 2,300,011; Oct. 27.
Heating and cooling unit for motor vehicles, Combination. E. E. Hans. 2,300,357; Oct. 27.
Heating apparatus and method, Inductive. V. W. Sherman and O. E. Bowlus. 2,299,934; Oct. 27.
Heating means. J. Colosimo. 2,300,105; Oct. 27.
Heddle frame. T. A. Brown. 2,300,197; Oct. 27.
Heel, Wedge. F. R. Merritt. 2,299,840; Oct. 27.
Helical flow separator. H. McCurdy. 2,300,129; Oct. 27.
Hemacytometer. L. B. Hall. 2,300,252; Oct. 27.
Hinge for door construction. H. J. Siess. 2,300,265; Oct. 27.
Hoisting mechanism. M. G. Clay. 2,300,343; Oct. 27.
Holder: *See*—
Brush and mop holder. Film holder.
Candle holder. Fish holder.
Card holder. Necktie holder.
Electrode holder.
Hook or device for cranes and the like, Grasping. H. J. Ralston. 2,300,372; Oct. 27.
Hose housing. F. P. Zierden. 2,300,243; Oct. 27.
Hose reinforcement means. C. A. F. Meyer. 2,300,057; Oct. 27.
Hot air furnace. J. O. Johnston. 2,299,901; Oct. 27.
Hot water and steam heater, Combination. H. Rose. 2,300,010; Oct. 27.
Hot water heater. E. L. Swarthout. 2,300,183; Oct. 27.
Hydraulic control apparatus for machine tools. R. A. Schafer and R. Rodal. 2,299,851; Oct. 27.
Hydraulic press. J. H. Maude. 2,300,162; Oct. 27.
Hydrocarbons, Conversion of. C. L. Thomas. 2,300,240; Oct. 27.
Hydrocarbons, Oxidation of. J. E. Bludworth. 2,299,790; Oct. 27.
Hydrocarbons, Recovering. H. R. Legatski, W. Swerdloff, and G. W. McCullough. 2,299,830; Oct. 27.
Hydrocarbons, Treating. C. E. Hemminger. 2,300,151; Oct. 27.
Ice comminuting machine. F. A. Willard. 2,299,866; Oct. 27.
Illuminating mechanism for handbags. C. P. Curle. 2,300,108; Oct. 27.
Indicator: *See*—
Peak velocity indicator.
Inhibitor for gasoline. J. A. Chenicek and R. H. Rosenwall. 2,300,246; Oct. 27.
Instrument for indicating atmospheric conditions. B. F. Mayers. 2,300,000; Oct. 27.
Insulating block. H. E. Leash. 2,299,908; Oct. 27.
Internal combustion engine. P. J. Kennon. 2,299,905; Oct. 27.
Internal combustion rotary engine. L. W. Beaven. 2,300,094; Oct. 27.
Joint: *See*—
Gasketed joint. Torsion joint.
Swing hinge and joint.

Joint for flour sifters, Flexible. H. B. Rice. 2,300,135; Oct. 27.
Joint for golf clubs and the like. J. J. Birkhofer. 2,299,735; Oct. 27.
Junction box. H. P. Chandler. 2,299,878; Oct. 27.
Key structure for tear strip containers. R. E. B. Wakefield. 2,300,270; Oct. 27.
Knots, Method of and mechanism for tying. H. G. Lind. 2,300,051; Oct. 27.
Ladder structure. F. D. Shuck. 2,300,018; Oct. 27.
Lapping carrier. F. R. Hensel, E. I. Larsen, and O. L. Fluharty. 2,300,118; Oct. 27.
Last for burial footwear. C. F. Schulte. 2,300,238; Oct. 27.
Lasting machine. T. P. Courchene and L. G. Miller. 2,299,800; Oct. 27.
Latching mechanism. A. F. Tams. 2,300,323; Oct. 27.
Latex, Preservation of. J. McGavack. 2,300,262; Oct. 27.
Lathe feed mechanism, Orbital. W. L. Groene. 2,299,976; Oct. 27.
Leaf spring. V. V. Beckel and W. M. Glezen. 2,299,873; Oct. 27.
Leather, Drying. G. M. Argabrite. 2,299,725; Oct. 27.
Life saving system. J. C. Cannaday, V. Teague, and J. H. Ledbetter. 2,299,793; Oct. 27.
Light: *See*—
Bicycle light.
Lighter, Cigar. H. G. Lehmann. 2,300,386; Oct. 27.
Lighter for gas burners. F. R. Higley. 2,300,156; Oct. 27.
Limiter, Noise. G. L. Grundmann. 2,300,115; Oct. 27.
Lip turning machine. F. E. Bertrand. 2,299,788; Oct. 27.
Liquid dispensing apparatus. W. H. De Lancey. 2,300,145; Oct. 27.
Liquid expressing system. R. T. Anderson. 2,299,784; Oct. 27.
Liquid filter. G. E. Saussure. 2,300,014; Oct. 27.
Liquid meter. R. E. De Hoog. 2,300,110; Oct. 27.
Loader and tractor structure. J. J. Boulton. 2,299,791; Oct. 27.
Locomotive boiler firebox. B. E. Larson. 2,300,232; Oct. 27.
Louver construction. E. A. Mader. 2,299,832; Oct. 27.
Louver mechanism for attic ventilation. E. A. Mader. 2,299,833; Oct. 27.
Lubricant. L. A. Mikeska. 2,300,131; Oct. 27.
Lubricant measuring valve. G. H. Acker. 2,300,330; Oct. 27.
Lubricating means for sewing machine looptakers. F. Parry. 2,300,388; Oct. 27.
Lubrication apparatus. G. F. Gayer. 2,300,284; Oct. 27.
Lubricator mechanism. N. M. Shaner and W. B. Bardell. 2,299,852; Oct. 27.
Luminous sign. W. F. O'Gorman. 2,300,234; Oct. 27.
Machine and method for covering balls. A. C. Bowers. 2,300,095; Oct. 27.
Machine for cutting sheet material. C. J. Gross. 2,299,818; Oct. 27.
Machine for digging, topping, and rooting beets and other vegetables. J. Romine. 2,300,063; Oct. 27.
Machine for forming and conveying pouring spouts for containers. H. Brucker. 2,300,099; Oct. 27.
Machine for plastic material, Molding. J. W. Appley. 2,299,724; Oct. 27.
Machine for producing gears. L. O. Carlsen. 2,300,340; Oct. 27.
Machine for treating shrimp. R. E. Weems. 2,299,774; Oct. 27.
Machine tool. B. P. Graves and H. C. Weimar. 2,299,817; Oct. 27.
Magneto. K. A. Harmon. 2,300,117; Oct. 27.
Manicure accessory. B. Pickard. 2,300,170; Oct. 27.
Manicuring device. C. J. Hanson. 2,299,819; Oct. 27.
Manifolding appliance for fanfold forms. J. G. Kerr. 2,300,256; Oct. 27.
Maps from photographs, Method and apparatus for making. S. C. L. Wesleysmith. 2,300,326; Oct. 27.
Master pusher. W. P. and R. R. Gallen. 2,299,972; Oct. 27.
Material coated with a photosensitive layer, Light-polarizing. E. H. Land. 2,299,906; Oct. 27.
Material, Method of and mechanism for classifying finely comminuted. R. C. Thompson. 2,300,324; Oct. 27.
Material, Moistureproof. A. R. Olsen. 2,300,168; Oct. 27.
Materials, Surface active. C. F. H. Allen and C. V. Wilson. 2,299,782; Oct. 27.
Matrix making machine. E. C. Lampson. 2,300,297; Oct. 27.
Matter, Composition of. A. K. Epstein. 2,299,743; Oct. 27.
Measuring device, Precision. A. G. Ladrach. 2,299,997; Oct. 27.
Measuring instrument, Cotton fiber. K. L. Hertel. 2,299,983; Oct. 27.
Mechanism for and method of determining the plating relations of yarns in knitted fabrics. A. N. Cloutier. 2,299,797; Oct. 27.
Metal alloy, Cutting. C. Baird. 2,299,871; Oct. 27.
Metal articles, Extrusion of. J. A. Heron. 2,300,221; Oct. 27.
Metal composite articles, Making. W. A. Wissler. 2,299,778; Oct. 27.
Metal frictional material, Making. W. G. Calkins. 2,299,877; Oct. 27.
Metal hack saw, Hydraulically controlled. O. M. Jensen, F. T. Wruk, and J. R. McDonald. 2,300,047; Oct. 27.
Metal of salamanders, Method of and apparatus for removing the molten. F. H. N. Gerwig. 2,299,892; Oct. 27.
Meter: *See*—
Liquid meter.
Mill: *See*—
Tube mill.
Mineral filler, Preparing. R. J. Shaw. 2,299,933; Oct. 27.
Mineral oil, Refining. M. C. K. Jones. 2,300,158; Oct. 27.
Minerals, Concentrating. E. W. Greene. 2,299,893; Oct. 27.
Mixer: *See*—
Concrete mixer.
Moistener for duplicating machines. W. E. Denison. 2,299,967; Oct. 27.
Moistening mechanism. S. Kokay. 2,299,994; Oct. 27.
Moisture supplying shipping pads and the products thereof, Making. L. S. Bradley. 2,300,041; Oct. 27.
Mold and core blowing machine. F. N. Gilliland. 2,300,148; Oct. 27.
Mold and manufacture. H. E. McWane. 2,300,034; Oct. 27.
Molding machine. C. R. Johnson, S. L. Handforth, and R. E. Smith. 2,300,290; Oct. 27.
Motor: *See*—
Electric motor.
Vibratory electromagnetic motor.
Motor for dry shaver and the like, Vibratory. I. Jepson. 2,299,952; Oct. 27.
Motor starter, Synchronous. E. H. Stivender. 2,299,771; Oct. 27.
Motor starting apparatus. F. G. Logan. 2,299,911; Oct. 27.
Motor vehicle. C. C. Jackson. 2,299,900; Oct. 27.
Mounting: *See*—
Ophthalmic mounting. Propeller blade mounting.
Mower, Multiple unit power lawn. R. W. Speiser. 2,299,859; Oct. 27.
Mowing machine, Power. A. F. Moyer. 2,299,841; Oct. 27.
Mowing machine, Powered. A. F. Moyer. 2,299,842; Oct. 27.
Multidrawer container. S. Stone. 2,300,021; Oct. 27.
Multiple band blade slicing machine. W. W. Hartman. 2,300,278; Oct. 27.
Musical instrument. O. D. Nall. 2,299,923; Oct. 27.
Musical instrument. S. Rubinstein. 2,300,012; Oct. 27.
Musical instrument stand. J. F. Feddersen and D. Roberts. 2,299,829; Oct. 27.
Necktie holder. C. Silverman. 2,300,068; Oct. 27.
9,9 di-(β-carbamyl-ethyl) fluorene. H. A. Bruson. 2,299,948; Oct. 27.
Nut construction. L. C. Kinney. 2,300,228; Oct. 27.
Oil, Process and apparatus for dewaxing. H. F. Fisher. 2,300,283; Oct. 27.
Oil wells, Cleaning. F. E. Dana. 2,300,348; Oct. 27.
Oils, Modifying fatty. L. Auer. 2,300,090; Oct. 27.
Olefines to high molecular weight substances, Polymerization of. A. C. Skooglund. 2,300,069; Oct. 27.
1,2,3-trichloropropane, Manufacture of. K. C. Laughlin and C. L. Brown. 2,300,159; Oct. 27.
Opaquing agent for enamels and manufacturing same. M. Paquet. 2,299,764; Oct. 27.
Ophthalmic mounting. E. L. Schumacher. 2,300,318; Oct. 27.
Oscillation generator circuit. W. Puhlmann. 2,300,315; Oct. 27.
Oscillator with stabilized feedback. J. N. Whitaker. 2,300,271; Oct. 27.
Oven, Serving. E. A. Kraemer. 2,299,995; Oct. 27.
Pack, Manifolding. A. A. Johnson. 2,300,279; Oct. 27.
Package, Cheese. J. D. Ingle. 2,299,951; Oct. 27.
Packaged article. H. Rosen. 2,300,179; Oct. 27.
Packing. H. B. Denman. 2,299,805; Oct. 27.
Pad: *See*—
Hair wave pad. Shoe pad.
Pad holding device, Catamenial. E. R. Morando. 2,300,001; Oct. 27.
Paper blank and seat cover dispenser. J. C. Thomasma. 2,299,940; Oct. 27.
Paper, Chart. W. F. Kallock. 2,299,991; Oct. 27.
Paper holder for projection printing. G. G. Morin. 2,300,264; Oct. 27.
Paper holding attachment for typewriters. L. G. Harlam. 2,299,981; Oct. 27.
Paraffins, Isomerization of. H. Pines and H. S. Bloch. 2,300,235; Oct. 27.
Paraffins, Isomerization of normal. K. C. Laughlin. 2,300,160; Oct. 27.
Partitioning element for packages. M. S. Strasser. 2,299,861; Oct. 27.
Peach stoner. S. C. Farmer. 2,300,212; Oct. 27.
Peak velocity indicator. T. R. Brown. 2,300,198; Oct. 27.
Pencils, Device for pointing lead. F. E. Correll. 2,299,799; Oct. 27.

Petroleum and producing same, Product from. S. E. Jolly. 2,299,755; Oct. 27.
Petroleum emulsions, Breaking. E. E. Claytor. 2,300,103; Oct. 27.
Petroleum products. S. E. Jolly. 2,300,291; Oct. 27.
Phenolated gum accroides and making same. E. E. Novotny and G. K. Vogelsang. 2,300,307; Oct. 27.
Phonograph. E. C. Guedon. 2,300,149–50; Oct. 27.
Phosgene oxime, Preparing. P. J. Ehman and W. O. Walker. 2,299,742; Oct. 27.
Photographic print dater. J. P. Jones. 2,299,990; Oct. 27.
Piezoelectric crystal controlled oscillator. R. A. Sykes. 2,300,075; Oct. 27.
Pigments, Manufacture of selenium red. A. R. Bozarth. 2,300,196; Oct. 27.
Pin driving machine. A. L. Hansen. 2,300,277; Oct. 27.
Pipe cutter. L. J. Stein. 2,300,139; Oct. 27.
Pipe drilling apparatus. W. H. Gale and P. D. Merrill. 2,299,814; Oct. 27.
Pipe in wells, Locating stuck. E. L. Johnston. 2,300,384; Oct. 27.
Piston ring. F. C. Crawford and A. T. Colwell. 2,299,963; Oct. 27.
Pitman. F. T. Bonebrake. 2,300,335; Oct. 27.
Plug: *See*—
Spark plug.
Polymeric materials. D. M. McQueen. 2,299,839; Oct. 27.
Porous material, Making. R. P. Koehring. 2,300,048; Oct. 27.
Post bracket. R. Mayer. 2,299,837; Oct. 27.
Post for record books. H. Auburn. 2,300,089; Oct. 27.
Power converter and regulator. B. Trevor. 2,299,942; Oct. 27.
Power plant. H. T. Langabeer and D. E. Trucksess. 2,300,296; Oct. 27.
Power transmission. E. L. Rose. 2,300,009; Oct. 27.
Press: *See*—
Hydraulic press.
Toggle and hydraulic press.
Press. L. A. Camerota. 2,300,339; Oct. 27.
Press and the like, Hydraulic. L. A. Camerota and C. E. Powell. 2,300,338; Oct. 27.
Pressure applying means for spinning frames. G. West. 2,300,188; Oct. 27.
Pressure measuring instrument. W. M. White. 2,300,327; Oct. 27.
Primer for electric blasting caps, Safety. J. B. Johnson. 2,300,225; Oct. 27.
Projector attachments. A. S. Getten. 2,299,973; Oct. 27.
Propeller blade mounting. E. Martin. 2,300,233; Oct. 27.
Protective device. A. J. Maddock. 2,300,127; Oct. 27.
Protective device. Fusible electric. M. B. Wood. 2,300,142; Oct. 27.
Protector: *See*—
Casing protector.
Protector device. R. B. Phillips. 2,300,060; Oct. 27.
Pulp, Method and apparatus for producing. E. T. Turner. 2,300,184; Oct. 27.
Pump: *See*—
Capacity pump. Deep well pump.
Carburetor accelerating pump. Fuel pump. Tire pump.
Pump. C. E. Hammond. 2,299,979; Oct. 27.
Pump for internal combustion engines, Fuel injection. B. R. Pool. 2,300,313; Oct. 27.
Pump of the rotative type, Pressure. J. Saad. 2,299,931; Oct. 27.
Pump, syringe, and like appliances for surgical and medical and other purposes. H. H. Schulz. 2,299,769; Oct. 27.
Rack for men's shirts, Display. M. A. Wolf. 2,299,780; Oct. 27.
Radial multiple expansion steam engine. C. H. Young. 2,300,191; Oct. 27.
Radiation device. A. H. Riess and C. P. Rolfe. 2,300,008; Oct. 27.
Radio phonograph carriage and cabinet. J. Huarisa. 2,300,287; Oct. 27.
Radio receiving, Method and apparatus for. S. Y. White. 2,300,081; Oct. 27.
Rail fastening. L. Mannaberg. 2,300,054; Oct. 27.
Railway car threshold plate. W. F. Dietrichson. 2,299,968; Oct. 27.
Railway equipment. W. Van Der Sluys and P. Best. 2,299,943; Oct. 27.
Railway roadbed cleaner. J. R. Shaffer. 2,300,017; Oct. 27.
Railway traffic controlling apparatus. H. S. Young. 2,300,272; Oct. 27.
Rapid operating valve. R. D. McLeod. 2,300,263; Oct. 27.
Ratio transmission mechanism, Variable. T. G. Myers. 2,299,921; Oct. 27.
Razor. J. L. Younghusband. 2,299,868; Oct. 27.
Razor and blade, Safety. J. L. Younghusband. 2,299,869; Oct. 27.
Receptacle: *See*—
Ash receptacle. Flexible socket receptacle.
Record assembly, Stress absorbing. J. G. Kerr. 2,300,253; Oct. 27.
Record form and window envelope, Combined. L. Huffman. 2,299,751; Oct. 27.
Record playing automotive rotary horn. E. Bayer. 2,300,093; Oct. 27.
Record reproducing device. D. R. De Tar. 2,300,209; Oct. 27.
Records, Making and re-creating. L. A. Collins. 2,299,738; Oct. 27.
Refrigerating apparatus. L. A. Philipp. 2,300,005; Oct. 27.
Refrigerating cabinet. L. F. Clerc. 2,300,345; Oct. 27.
Refrigeration apparatus. C. F. Aising. 2,300,086; Oct. 27.
Regenerator, Heat. W. J. Irwin. 2,300,289; Oct. 27.
Registering means for labeling and other machines. G. W. von Hofe. 2,300,185; Oct. 27.
Regulator: *See*—
Power converter and regulator.
Relay valve. E. A. Edwards. 2,299,884; Oct. 27.
Remelting method and apparatus. R. T. Whitzel. 2,300,141; Oct. 27.
Resilient fastener. K. L. Johnson. 2,299,754; Oct. 27.
Resin composition. Urea-aldehyde. G. F. D'Alelio. 2,300,208; Oct. 27.
Resinous materials, Mixtures of. R. Rosen and W. J. Sparks. 2,300,064; Oct. 27.
Respirator. K. Connell. 2,300,273; Oct. 27.
Retrograde movement of motor vehicles and the like, Preventing. C. F. Rauen. 2,299,765; Oct. 27.
Ring: *See*—
Piston ring.
Ring for lineman's gloves, Static. E. S. Smith. 2,299,855; Oct. 27.
Rivets, Device for sorting. L. L. King and W. S. Taylor. 2,300,124; Oct. 27.
Road machine. H. W. Lindsay. 2,300,387; Oct. 27.
Rod: *See*—
Stabilizer rod.
Rodent poison feeder. A. R. Allbright. 2,299,723; Oct. 27.
Rosin and rosin esters, Purification of polymerized. A. L. Rummelsburg. 2,300,065; Oct. 27.
Rotary shaft seal. G. L. Kollberg and M. C. Shaw. 2,300,385; Oct. 27.
Rubber and like substances, Treating. H. F. Irving. 2,299,988; Oct. 27.
Rubber latex and preparing same, Purified. J. McGavack. 2,300,261; Oct. 27.
Rubber thread, Covered. G. S. Van Voorhis. 2,300,241; Oct. 27.
Saddle construction. R. W. Faulhaber. 2,300,379; Oct. 27.
Sapogenin derivative and preparation of the same. R. E. Marker. 2,299,758; Oct. 27.
Sapogenin reduction product and preparation of same. R. E. Marker. 2,299,759; Oct. 27.
Scaffolding, Adjustable. T. C. Juculano and J. E. Follett. 2,299,823; Oct. 27.
Scale. J. R. Eash. 2,300,282; Oct. 27.
Scale. M. H. Hansen. 2,299,980; Oct. 27.
Screen support, Circular. J. B. Nowak. 2,300,166; Oct. 27.
Screw driver. E. Ojalvo. 2,300,308; Oct. 27.
Screw-driving or nut-tightening machine. W. Stever. 2,299,956; Oct. 27.
Seal arrangement. C. G. Suits. 2,299,772; Oct. 27.
Sealed engine container. A. E. Kueppers. 2,300,259; Oct. 27.
Seat holding means. H. Veyder. 2,299,773; Oct. 27.
Seat structure, Sliding. A. T. Potter. 2,299,928; Oct. 27.
Selvage-forming device. J. Barbotto. 2,300,281; Oct. 27.
Separable slide fastener. P. S. Kellum. 2,300,369; Oct. 27.
Separable valve. S. T. Howard. 2,299,749; Oct. 27.
Separator: *See*—
Helical flow separator.
Sewage ejector, Package type. C. Yeomans and H. T. Jeffery. 2,300,039; Oct. 27.
Shade structure, Replacement. G. H. Terrell. 2,300,024; Oct. 27.
Shaft operating and locking device. G. E. Swartz. 2,300,022–3; Oct. 27.
Shafting. J. W. Kinnucan. 2,300,293; Oct. 27.
Shafts, Sealing of. R. Avigdor. 2,300,331; Oct. 27.
Shaving device and cutter head therefor. E. J. Te Pas and E. G. Berg. 2,300,140; Oct. 27.
Shelf in combination with refrigerator compartment, Adjustable. W. A. Ellsworth and J. E. Mills. 2,299,885; Oct. 27.
Shell testing apparatus, Primed. W. S. Reynolds. 2,300,361; Oct. 27.
Shift mechanism, Remote. O. E. Fishburn. 2,299,889; Oct. 27.
Ship. M. C. Schwab. 2,300,067; Oct. 27.
Shoe and manufacturing the same, Prewelt. K. Engel. 2,299,808; Oct. 27.
Shoe and shoe bottom unit. H. Lyon. 2,299,831; Oct. 27.
Shoe, Orthopedic. N. D. Calculli. 2,300,100; Oct. 27.
Shoe pad. W. D. Barry. 2,300,091; Oct. 27.
Shutoff valve. J. B. Whitted. 2,299,865; Oct. 27.
Sign: *See*—
Luminous sign.
Signal.
Automobile signal.
Signal recording and communication system. F. C. W. Thiede. 2,300,239; Oct. 27.

Signal transmission system. R. R. Blair. 2,300,366; Oct. 27.
Signaling arrangement for telegraph systems. R. J. Egner and C. R. Walker. 2,299,969; Oct. 27.
Signaling system. W. H. T. Holden. 2,299,897; Oct. 27.
Signaling system. A. W. Horton, Jr. 2,299,821; Oct. 27.
Signaling system. A. W. Horton, Jr., O. J. Murphy, and H. E. Vaughan. 2,299,822; Oct. 27.
Signaling system, Selective. J. T. Neiswinter. 2,300,603; Oct. 27.
Signaling system, Wave. R. M. Sprague. 2,299,937; Oct. 27.
Silencer, Balanced slicing. H. McCurdy. 2,300,130; Oct. 27.
Sizing. D. E. Strain. 2,300,074; Oct. 27.
Ski stretcher. W. T. Kirk. 2,299,993; Oct. 27.
Sleeve, Adjustable. B. M. Harrison. 2,299,982; Oct. 27.
Soap apparatus. C. T. Walter. 2,299,958; Oct. 27.
Socket and socket installation. S. M. Del Camp. 2,300,350; Oct. 27.
Sorting device for duplicating machines. R. A. Williams. 2,300,029; Oct. 27.
Space cooler. S. V. Swanson. 2,299,939; Oct. 27.
Spacing and gripping element, Veneer slab. J. Kublanow. 2,300,258; Oct. 27.
Spark gap and circuit therefor. E. R. Capita. 2,300,101; Oct. 27.
Spark plug. F. A. Ost. 2,299,924; Oct. 27.
Spark plug dryer. V. Iavarone. 2,300,294; Oct. 27.
Spring: *See*—
Leaf spring.
Stabilizer rod. B. Schroeter and S. M. Scully. 2,300,237, Oct. 27.
Stabilizing means for relay type regulators. J. L. Kimball. 2,300,227; Oct. 27.
Stand: *See*—
Musical instrument stand.
Starting box, Electrically controlled. J. P. Hoobin and W. P. McManus. 2,300,120; Oct. 27.
Stationery, Carbon interleaved. J. G. Kerr. 2,300,257, Oct. 27.
Steam generating plant. T. J. Rees. 2,299,849; Oct. 27.
Steam generator. E. G. Bailey and C. U. Savoye. 2,299,732; Oct. 27.
Stick, Hot line. J. B. Mays. 2,299,838; Oct. 27.
Stickless, stapleless chick box, Complete. K. C. Ferguson. 2,299,812; Oct. 27.
Stopper, Bottle. G. Lubic. 2,300,053; Oct. 27.
Straining, bending, and vibration-detecting tests, Method and apparatus for. L. E. Burns and V. T. Fahringer. 2,299,722; Oct. 27.
Strip feed for typewriting machines. L. F. Hegeman. 2,300,276; Oct. 27.
Structures for feed screw nuts, Supporting. O. R. Briney. 2,299,961; Oct. 27.
Structures, Method and apparatus for the production of. H. Worthington. 2,300,083; Oct. 27.
Structures wholly of fusion deposited weld metal, Forming. I. Harter. 2,299,747; Oct. 27.
Suction cleaner. V. E. Carlson. 2,300,204; Oct. 27.
Suction cleaner. D. G. Smellie. 2,300,266; Oct. 27.
Sugar solutions, Treatment of. M. R. Allen. 2,299,783; Oct. 27.
Sulphur composition. F. R. Minger and W. L. Scoles. 2,299,917; Oct. 27.
Support: *See*—
Screen support.
Support for shifting shuttle box mechanisms. B. W. Brouwer. 2,300,199; Oct. 27.
Support for shifting shuttle boxes on weft replenishing looms. J. Grzesik. 2,300,217; Oct. 27.
Support for weft replenishing looms, Shuttle box. B. W. Brouwer. 2,300,200; Oct. 27.
Surgical speculum. F. A. Betts. 2,300,040; Oct. 27.
Suspension for car trucks, Spring. I. M. Chambers 2,300,341; Oct. 27.
Swing hinge and joint, Combination. G. Y. Ueda. 2,300,076; Oct. 27.
Switch: *See*—
Coin operated switch. Time switch.
Direction signal switch. Trolley switch.
Switch. W. V. Honey. 2,300,222; Oct. 27.
Switch and frog, Trolley. L. L. Davis. 2,300,390; Oct. 27.
Switch and switching system, Trolley. S. S. Matthes. 2,299,914; Oct. 27.
Switch and the like, Thermally operated. J. Schmidinger. 2,299,767; Oct. 27.
Switch tripping mechanism, Fire alarm. C. E. Koontz. 2,299,828; Oct. 27.
Switching device. R. F. Mallina. 2,300,371; Oct. 27.
System and correlated appliances for producing illuminated moving words. L. L. Rustad. 2,300,236; Oct. 27.
System for electric valve translating apparatus. Y. Toda. 2,300,269; Oct. 27.
Tab for slide fastener sliders, Pull. N. J. Poux. 2,299,846; Oct. 27.
Table: *See*—
Foldable table. Folding table.
Tamper, Dirt. E. W. Moellenkamp. 2,299,918; Oct. 27.
Tape. F. W. Humphner. 2,300,224; Oct. 27.
Telegraph system. K. W. Richards. 2,300,007; Oct. 27.
Telegraphy, Teaching. G. M. Wright. 2,300,038; Oct. 27.
Telemetering system. G. Hempel. 2,300,220; Oct. 27.
Telephone coin collector. A. K. Smith and E. H. Smythe. 2,299,854; Oct. 27.
Telephone subscriber's station. D. S. Dewire. 2,300,044; Oct. 27.
Telephone switch operator. J. G. Golseth. 2,300,114; Oct. 27.
Telephone system. W. H. T. Holden. 2,299,898; Oct. 27.
Telephone system. B. A. Wallace. 2,300,186; Oct. 27.
Teletypewriter control system. J. M. Leonard and C. A. Borgeson. 2,300,050; Oct. 27.
Teletypewriter system. E. O. Gammell. 2,300,045; Oct. 27.
Television receiver including automatic amplification control. J. C. Wilson and D. E. Harnett. 2,300,082; Oct. 27.
Television transmitter. A. V. Bedford. 2,299,875; Oct. 27.
Television transmitter. G. L. Fredendall. 2,299,891; Oct. 27.
Temperature control device, Weather compensating. F. W. Baum. 2,300,092; Oct. 27.
Terminal for rail bonds. H. H. Febrey. 2,300,356; Oct. 27.
Testing apparatus, Pressure. J. R. Smak. 2,300,019; Oct. 27.
Testing machine, Friction. E. R. Harrall and J. P. Reis. 2,299,895; Oct. 27.
Testing well. J. B. Clark. 2,300,206; Oct. 27.
Textile materials, Treating. A. E. Battye, J. Tankard, and F. C. Wood. 2,299,786; Oct. 27.
Thermometer unit for electric irons. F. Kuhn and L. H. Thomas. 2,300,230; Oct. 27.
Thermostat controlled valve. J. K. Lund. 2,300,299; Oct. 27.
Time switch. L. V. Smith. 2,300,020; Oct. 27.
Timing mechanism. F. C. Smith and T. L. Herren. 2,299,856; Oct. 27.
Tire pump. F. T. Court. 2,299,879; Oct. 27.
Toggle and hydraulic press, Combined. J. Pawloski. 2,299,845; Oct. 27.
Tool: *See*—
Machine tool.
Tool. L. Poeton. 2,300,310; Oct. 27.
Tooth, Artificial. S. Myerson. 2,300,305; Oct. 27.
Torch, Welding. E. W. Campbell. 2,300,203; Oct. 27.
Torque measuring machine. W. B. Hullhorst. 2,300,288; Oct. 27.
Torsion joint. F. W. Sampson. 2,300,013; Oct. 27.
Tower, Cooling. R. D. Moore. 2,299,920; Oct. 27.
Tractor mounted picker-sheller. L. A. Paradise and W. J. Coultas. 2,299,925; Oct. 27.
Transmission gearing, Change speed. C. D. Peterson and A. H. Delmel. 2,300,036; Oct. 27.
Transmission mechanism. F. W. Hottenroth, Jr. 2,300,223; Oct. 27.
Transmission tower structure. R. S. A. Dougherty and C. L. White. 2,300,351; Oct. 27.
Transoestradiol and product obtained thereby, Separation of. H. Priewe. 2,300,134; Oct. 27.
Tray and signature card file, Posting. D. D. Cayton. 2,299,795; Oct. 27.
Tray, Drying. R. P. Scherer. 2,300,317; Oct. 27.
Treadle for sewing machines, Folding. N. E. Colegrove. 2,300,104; Oct. 27.
Trolley switch. R. W. Donaldson. 2,299,882; Oct. 27.
Trolley switch and frog. L. L. Davis. 2,299,880; Oct. 27.
Truck, Hand. F. Mustafa. 2,300,165; Oct. 27.
Truck, Lift. W. S. Foshee. 2,299,971; Oct. 27.
Tube: *See*—
Electric discharge tube.
Tube mill. J. E. Kennedy. 2,299,825; Oct. 27.
Tubing, Making seamless. J. E. Eberhardt. 2,300,353; Oct. 27.
Tunnel and similar structures. E. H. Wilcox. 2,300,028; Oct. 27.
2-mercapto-thiazolines, Preparation of. B. M. Sturgis. 2,299,938; Oct. 27.
Urn, Coffee. S. H. Ershler. 2,299,809; Oct. 27.
Valve: *See*—
Auxiliary throttle valve. Separable valve.
Cutoff valve. Shutoff valve.
Lubricant measuring valve. Thermostat controlled valve.
Rapid operating valve.
Relay valve.
Valve. L. G. Daniels. 2,299,802; Oct. 27.
Valve. R. H. Zinkil, E. A. Fredrickson, and E. W. Marchand, Jr. 2,300,030; Oct. 27.
Valve and combustion chamber of four-stroke internal combustion engines. W. C. Tomkins. 2,300,025; Oct. 27.
Variable focus lens. E. F. Flint. 2,300,251; Oct. 27.
Variable speed driving mechanism. E. C. Gwaltney. 2,300,285; Oct. 27.
Vehicle: *See*—
Motor vehicle.
Vending machine. C. Gabrielsen. 2,300,147; Oct. 27.
Ventilator, Bedpan. A. R. Dabike. 2,300,109; Oct. 27.

Vessel attachment. I. I. Bornstein. 2,299,730; Oct. 27.
Vest, Man's. H. M. Nagel. 2,300,306; Oct. 27.
Vibratory electromagnetic motor. H. F. Storm. 2,299,957; Oct. 27.
Vinyl compounds, Plasticized. G. F. D'Alelio. 2,299,741; Oct. 27.
Visor, Slidable. F. J. Westrope. 2,299,775; Oct. 27.
Volatile mixtures, Analyzing. G. S. Houghland. 2,299,899; Oct. 27.
Wall construction, Furnace. H. W. Beecher. 2,299,874; Oct. 27.
Wall construction, Furnace. M. L. Webster. 2,299,864; Oct. 27.
Washboard clamp. M. S. Rader. 2,300,175; Oct. 27.
Washer. M. J. Landgraf. 2,300,231; Oct. 27.
Washing machine. C. E. Fleming, C. M. Corlew, and F. L. Orr. 2,300,214; Oct. 27.
Water gauge, Reflex type. E. and G. Ernst. 2,299,970; Oct. 27.
Wearing apparel. T. Kremer. 2,299,996; Oct. 27.
Weather strip and making same. L. Spraragen. 2,299,955; Oct. 27.
Welding apparatus, Automatic bar. H. T. Platz. 2,300,172; Oct. 27.
Welding jig. G. C. Johnson and H. S. Boles. 2,299,753; Oct. 27.
Welding machine, Panel. W. A. Weightman. 2,299,776; Oct. 27.
Window construction, Bus or car. J. Schunk. 2,299,954; Oct. 27.
Wiper strip. W. W. Urmetz. 2,300,077; Oct. 27.
Work-positioning and backlash compensating device for machine tools. I. J. Snader. 2,300,363; Oct. 27.
Wrench. J. P. Clegg. 2,300,344; Oct. 27.
Wringer. C. W. Williams. 2,299,777; Oct. 27.
Wringer, Belt. N. L. Etten. 2,299,886; Oct. 27.
Yarn production. L. G. Jackson. 2,300,254; Oct. 27.
Yarn winding. R. H. Stafford. 2,300,073; Oct. 27.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 27, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 46: 2,300,277
47: 2,299,858
2— 3: 2,300,322
14: 2,300,365
30: 2,299,903
33: 2,300,154
43: 2,300,153
76: 2,299,947
98: 2,300,125
102: 2,300,306
162: 2,300,376
168: 2,299,855
211: 2,299,996
269: 2,299,982
4— 112: 2,300,109
255: 2,300,319
8— 136: 2,299,786
2,299,807
153: 2,300,254
10— 141: 2,300,310
12— 12: 2,299,800
30: 2,299,788
133: 2,300,238
142: 2,299,808
2,299,840
13— 34: 2,300,355
15— 9: 2,300,204
15: 2,299,987
16: 2,300,266
49: 2,300,138
78: 2,300,192
82: 2,300,280
148: 2,299,810
208: 2,299,950
17— 2: 2,299,774
8: 2,300,321
11.1: 2,300,157
18— 12: 2,299,958
15: 2,300,211
17: 2,300,339
20: 2,300,290
34: 2,300,210
19— 135: 2,300,188
20— 4: 2,299,908
64: 2,299,968
69: 2,299,955
74: 2,300,084
94: 2,300,113
22— 10: 2,300,148
65: 2,299,860
136: 2,300,034
147: 2,300,077
23— 97: 2,300,275
24— 49: 2,300,068
73: 2,300,349
131: 2,299,794
205: 2,299,846
2,300,369
216: 2,300,292
245: 2,300,342
25— 41: 2,299,724
29— 1: 2,300,302
43: 2,300,389
62: 2,299,972
73: 2,300,047
106: 2,299,852
148: 2,299,936
156: 2,300,353
159.01: 2,299,998
189: 2,299,877
29— 189: 2,300,048
30— 43: 2,300,140
2,300,143
72: 2,299,868
2,299,869
91: 2,300,087
101: 2,300,139
31— 22: 2,299,853
31— 34: 2,300,171
32— 8: 2,300,305
33— 20: 2,300,326
98: 2,300,347
114: 2,300,219
148: 2,299,997
34— 23: 2,299,725
164: 2,300,229
238: 2,300,317
35— 12: 2,300,004
14: 2,300,038
53: 2,300,360
59: 2,300,170
63: 2,300,248
36— 7.7: 2,300,091
17: 2,299,831
59: 2,299,927
71: 2,300,100
40— 130: 2,300,234
43— 9: 2,300,178
131: 2,299,723
44— 54: 2,299,844
75: 2,300,246
46— 166: 2,300,079
2,300,080
47— 38: 2,300,041
48— 107: 2,300,244
49— 81: 2,299,827
51— 3: 2,299,817
74: 2,299,850
78: 2,300,242
95: 2,300,363
204: 2,300,118
241: 2,300,173
52— 7: 2,299,907
53— 3: 2,299,809
5: 2,300,323
6: 2,299,995
55— 108: 2,300,063
56— 7: 2,299,859
18: 2,299,925
25: 2,299,841
2,299,842
27: 2,300,164
57— 140: 2,300,241
58— 44: 2,299,913
60— 15: 2,299,905
46: 2,299,849
51: 2,300,338
54: 2,299,883
54.5: 2,299,932
54.6: 2,299,912
2,299,979
61— 36: 2,300,325
45: 2,300,028
62— 8: 2,300,086
89: 2,300,303
103: 2,300,085
115: 2,300,005
126: 2,300,058
133: 2,300,358
140: 2,299,939
65— 13: 2,299,730
66— 107: 2,299,797
67— 23: 2,300,226
68— 3: 2,300,231
133: 2,300,055
156: 2,300,214
248: 2,299,886
253: 2,299,777
69— 8: 2,300,380
72— 19: 2,300,258
77: 2,299,949
101: 2,299,864
2,299,874
103: 2,300,181
122: 2,300,027
73— 21: 2,300,194
73— 31: 2,300,327
51: 2,299,722
2,300,107
2,300,163
2,300,361
2,300,384
52: 2,299,856
151: 2,299,867
200: 2,300,145
330: 2,299,970
336: 2,300,000
343: 2,300,230
74— 7: 2,300,337
230.17: 2,299,921
242.3: 2,300,285
333: 2,300,036
441: 2,299,961
477: 2,299,889
581: 2,300,335
75— 41: 2,299,892
65: 2,300,141
171: 2,299,871
77— 5: 2,300,354
21: 2,300,253
37: 2,299,843
41: 2,299,814
79— 6: 2,300,301
80— 51: 2,300,359
81— 53: 2,299,838
54: 2,299,956
149: 2,300,314
82— 9: 2,299,976
40: 2,299,975
83— 63: 2,299,866
91: 2,299,929
93: 2,299,902
84— 174: 2,300,012
267: 2,299,923
85— 10: 2,299,752
2,299,754
88— 24: 2,300,264
28: 2,299,973
40: 2,300,252
41: 2,300,364
53: 2,300,318
57: 2,300,251
90— 5: 2,300,340
10: 2,299,915
91— 49: 2,299,967
2,299,994
92— 7: 2,300,184
21: 2,300,137
44: 2,299,746
93— 7: 2,299,757
93: 2,300,029
94— 49: 2,299,918
95— 7: 2,299,839
8: 2,299,906
44: 2,300,245
73: 2,299,990
100: 2,299,779
98— 38: 2,300,049
67: 2,300,088
2,300,128
116: 2,299,832
2,299,833
99— 9: 2,299,745
15: 2,299,743
107: 2,299,946
143: 2,299,999
100— 48: 2,299,784
210: 2,299,953
50: 2,300,182
101—132.5: 2,299,974
102— 28: 2,300,225
42: 2,300,367
2,300,368
64: 2,299,904
103— 5: 2,300,332
41: 2,299,734
158: 2,300,121
173: 2,300,313
241: 2,300,039
104— 53: 2,299,760
105— 190: 2,299,943
197.1: 2,300,341
367: 2,300,059
106— 301: 2,300,196
312: 2,299,764
110— 101: 2,299,727
112— 15: 2,299,930
113— 1: 2,300,099
45: 2,299,845
114— 15: 2,300,067
79: 2,299,992
115— 23: 2,299,737
119: 2,300,216
117— 43: 2,299,778
46: 2,299,933
47: 2,300,074
97: 2,299,748
146: 2,300,168
155: 2,300,373
119— 15.5: 2,300,120
120— 30: 2,299,981
92: 2,299,799
121— 40: 2,300,112
45: 2,299,851
46.5: 2,300,263
102: 2,300,191
122— 68: 2,300,232
136: 2,300,183
478: 2,299,732
123— 44: 2,300,094
119: 2,299,919
169: 2,299,924
179: 2,300,002
188: 2,300,025
126— 109: 2,299,901
343.5: 2,300,083
127— 61: 2,299,783
128— 3: 2,300,040
140: 2,299,793
203: 2,300,273
215: 2,300,066
232: 2,299,769
272: 2,300,070
290: 2,300,001
129— 1: 2,300,215
24: 2,300,089
132— 20: 2,299,770
36.2: 2,299,985
88.5: 2,299,819
137— 69: 2,299,749
111: 2,300,030
152: 2,300,378
153: 2,299,884
138— 96: 2,300,060
139— 54: 2,300,281
91: 2,300,197
182: 2,300,199
2,300,200
2,300,217
336: 2,300,098
140— 3: 2,300,382
145— 50: 2,300,308
146— 3: 2,300,311
2,300,312
28: 2,300,212
43: 2,299,761
88: 2,300,278
106: 2,300,046
148— 10: 2,300,329
12: 2,300,336
16: 2,300,274
150— 35: 2,300,144
151— 19: 2,300,228
152— 245: 2,300,383
154— 16: 2,300,062
2,300,095
2,300,096
33.05: 2,299,988
43: 2,300,224
46: 2,300,155
49: 2,300,193
155— 5.17: 2,300,379
14: 2,299,773
2,299,928
194: 2,300,116
158— 76: 2,300,190
91: 2,300,105
117.1: 2,300,146
2,300,156
160— 201: 2,300,265
238: 2,300,024
164— 33: 2,299,818
64: 2,300,177
68: 2,299,984
90: 2,299,816
166— 23: 2,300,348
167— 20: 2,299,917
170— 163: 2,300,233
171— 95: 2,300,198
209: 2,300,117
313: 2,299,762
314: 2,300,296
2,300,096
33.05: 2,299,988
43: 2,300,224
46: 2,300,155
49: 2,300,193
155— 5.17: 2,300,379
14: 2,299,773
2,299,928
194: 2,300,116
158— 76: 2,300,190
91: 2,300,105
117.1: 2,300,146
2,300,156
160— 201: 2,300,265
238: 2,300,024
164— 33: 2,299,818
64: 2,300,177
68: 2,299,984
90: 2,299,816
166— 23: 2,300,348
167— 20: 2,299,917
170— 163: 2,300,233
171— 95: 2,300,198
209: 2,300,117
313: 2,299,762
314: 2,300,296
172— 36: 2,300,334
126: 2,299,952
2,299,957
239: 2,299,857
2,299,887
2,300,220
274: 2,300,174
289: 2,299,771
2,299,911
173— 328: 2,299,787
2,300,309
2,300,350
340: 2,299,989
358: 2,299,733
174— 18: 2,299,772
33: 2,299,960
152: 2,299,750
2,300,195
175— 41: 2,300,072
182: 2,300,206
320: 2,299,941
361: 2,300,205
363: 2,299,942
2,300,269
2,300,377
376: 2,300,035
176— 124: 2,300,008
177— 327: 2,300,260
346: 2,299,731
2,300,236
384: 2,299,798
178— 2: 2,300,045
5.6: 2,299,738
6.7: 2,299,937
7.2: 2,299,875
2,299,891
7.3: 2,299,944
2,299,945
2,300,082
17: 2,300,050
33: 2,300,003
44: 2,300,133
2,300,366
69: 2,299,969
2,300,007
179— 6.3: 2,299,854
18: 2,299,897
2,299,898
179— 18: 2,300,316
27: 2,300,037
2,300,044
2,300,186
27.54: 2,300,371
84: 2,299,821
2,299,822
100.2: 2,300,320
100.4: 2,300,239
100.12: 2,300,287
164: 2,300,114
171: 2,300,052
181— 47: 2,300,130
183— 79: 2,300,129
184— 1.5: 2,299,789
6: 2,300,284
2,300,388
7: 2,300,330
11: 2,299,825
188— 153: Re.22,211
153: 2,299,726
189— 22: 2,300,351
73: 2,299,954
90: 2,300,375
191— 38: 2,299,880
2,299,882
2,299,914
192— 3: 2,300,136
4: 2,299,765
8: 2,300,022
2,300,023
44: 2,299,739
45: 2,300,223
68: 2,300,187
124: 2,300,150
2,300,209
193— 8: 2,299,896
194— 9: 2,299,820
92: 2,300,147
196— 8: 2,299,830
10: 2,300,123
13: 2,300,119
35: 2,300,158
48: 2,300,240
49: 2,300,031
2,300,033
52: 2,300,032
2,300,106
2,300,151
2,300,152
78: 2,300,249
197— 6.4: 2,300,297
134: 2,300,276
198— 11: 2,299,791
22: 2,300,298
220: Re.22,209
200— 17: 2,300,222
38: 2,300,020
50: 2,300,102
52: 2,300,149
2,299,815
54: 2,299,828
59: 2,299,876
100: 2,300,390
113: 2,299,728
116: 2,300,202
122: 2,299,767
123: 2,300,142
166: 2,300,286
202— 40: 2,299,899
204— 6: 2,300,015
149: 2,299,964
184: 2,300,283
77: 2,300,218
206— 19.5: 2,300,026
46: 2,300,259
56: 2,300,179
207— 18: 2,300,221

209— 90: 2,300,124
127: 2,300,324
166: 2,299,893
240: 2,300,135
496: 2,299,959
210— 134: 2,300,014
169: 2,300,381
199: 2,300,166
211— 13: 2,299,780
41: 2,300,207
143: 2,299,885
212— 4: 2,299,916
214— 17: 2,299,965
215— 75: 2,300,053
216— 55: 2,300,078
2,300,185
217— 30: 2,299,861
219— 4: 2,299,776
2,300,172
8: 2,300,295
10: 2,299,747
13: 2,299,934
14: 2,300,203
17: 2,299,753
19: 2,300,061
2,300,294
32: 2,300,386
220— 9: Re.22,214
24.5: 2,300,019
37: 2,300,076
52: 2,300,270
221— 23: 2,299,804
95: 2,299,894
102: 2,300,110
223— 87: 2,299,977

224— 48: 2,300,201
228— 58: 2,300,018
229— 27: 2,299,912
29: 2,299,966
47: 2,300,161
69: 2,299,751
92.3: 2,300,071
230— 38: 2,299,879
47: 2,299,811
152: 2,299,931
234— 1.5: 2,299,963
74: 2,299,991
235— 61: 2,299,744
236— 34: 2,300,299
68: 2,300,092
85: 2,300,227
237— 8: 2,300,010
2,300,011
238— 84: 2,300,054
240— 6.45: 2,300,108
10.63: 2,300,304
45: 2,300,097
78: 2,299,870
242— 43: 2,300,073
55.3: 2,299,736
72: 2,299,848
86: 2,300,243
244— 7: 2,300,268
246— 41: 2,300,250
134: 2,300,272
248— 27.5: 2,300,175
174: 2,299,829
221: 2,299,837
305: 2,299,962
250— 6: 2,300,081

220— 17: 2,300,127
20: 2,300,115
27: 2,299,792
2,300,189
33: 2,299,785
36: 2,300,075
2,300,271
2,300,315
38: 2,300,101
251— 11: 2,299,865
46: 2,300,111
84: 2,299,802
101: 2,300,314
145: 2,299,847
252— 51: 2,299,755
2,300,291
54: 2,300,131
259: 2,299,768
334: 2,300,103
254— 2: 2,299,971
173: 2,300,343
185: 2,300,122
188: 2,300,374
255— 1.6: 2,300,016
47: 2,299,881
2,300,167
257— 137: 2,300,357
258— 1: Re.22,212
259— 177: 2,299,888
260— 5: 2,300,352
23: 2,300,056
36: 2,299,741
42: 2,300,064
70: 2,300,208
84: 2,299,740

260— 94: Re.22,210
2,300,099
97: 2,300,065
2,300,307
227: 2,300,213
230: 2,300,180
290: 2,299,782
295: 2,299,756
302: 2,299,938
368: 2,299,826
397.2: 2,299,758
2,299,759
397.5: 2,300,134
407: 2,300,060
410: 2,299,862
452: 2,299,790
462: 2,300,006
507: 2,299,834
558: 2,299,948
566: 2,299,742
586: 2,300,126
596: 2,299,806
637: Re.22,213
662: 2,300,159
682: 2,299,801
683.5: 2,300,160
2,300,235
734: 2,299,951
816: 2,300,176
820: 2,300,262
822: 2,300,261
261— 26: 2,300,300
30: 2,299,920
34: 2,299,863
2,299,872

262— 2: 2,300,017
263— 19: 2,300,289
21: 2,300,042
264— 3: 2,299,824
265— 10: 2,299,895
25: 2,300,288
48: 2,300,282
63: 2,299,980
267— 1: 2,300,162
11: 2,300,237
19: 2,300,169
20: 2,299,935
47: 2,299,873
268— 35: 2,299,986
270— 39: 2,300,257
271— 2.3: 2,299,729
273— 35: 2,299,781
77: 2,300,043
80: 2,299,735
101.2: 2,300,132
110: 2,300,328
135: 2,299,803
150: 2,300,333
274— 22: 2,300,093
280— 20: 2,299,993
61: 2,300,165
87: 2,300,387
96.2: 2,299,926
124: 2,299,900
282— 2: 2,300,256
11.5: 2,300,255
2,300,279
23: 2,299,890
285— 91: 2,300,247
139: 2,299,813

285— 6.5: 2,299,878
75: 2,300,057
286— 11: 2,300,385
26: 2,300,331
287— 85: 2,300,013
20.3: 2,300,356
130: 2,300,293
288— 34: 2,299,805
289— 1: 2,300,051
294— 83: 2,300,372
91: 2,300,370
296— 97: 2,299,775
298— 23: 2,299,922
300— 21: 2,300,267
301— 6: 2,299,796
304— 2: 2,299,823
308— 4: 2,299,978
47: 2,300,346
159: 2,300,362
309— 6: 2,300,009
45: 2,299,963
311— 93: 2,299,909
2,299,910
312— 30: 2,300,104
55: 2,299,940
80: 2,299,836
86: 2,299,835
103: 2,299,795
119: 2,299,763
134: 2,300,345
144: 2,299,766
150: 2,300,021

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,299,739: 192— 44	2,299,816: 164— 90	2,299,879: 230— 38	2,299,971: 254— 2
2,299,757: 93— 7	2,299,827: 49— 81	2,299,885: 211— 143	2,299,977: 223— 87
2,299,778: 117— 43	2,299,837: 248— 221	2,299,886: 68— 248	2,299,988: 154—33.05
2,299,782: 260— 290	2,299,839: 95— 7	2,299,901: 126— 109	2,299,993: 280— 20
2,299,786: 8— 136	2,299,845: 113— 45	2,299,907: 52— 7	2,299,994: 91— 49
2,299,790: 260— 452	2,299,868: 30— 72	2,299,909: 311— 93	2,300,033: 196— 49
2,299,795: 312— 103	2,299,869: 30— 72	2,299,932: 60— 54.5	2,300,060: 138— 96
2,299,812: 229— 27	2,299,878: 285— 6.5	2,299,958: 18— 12	2,300,071: 229— 92.3

2,300,063: 126—343.5	2,300,229: 34— 164		
2,300,085: 62— 103	2,300,235: 260—683.5		
2,300,118: 51— 204	2,300,254: 8— 153		
2,300,131: 252— 54	2,300,257: 270— 39		
2,300,160: 260—683.5	2,300,265: 160— 201		
2,300,176: 260— 816	2,300,275: 23— 97		
2,300,195: 174— 152	2,300,373: 117— 155		
2,300,225: 102— 28	2,300,379: 155— 5.17		

U. S. GOVERNMENT PRINTING OFFICE: 1942

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 543—No. 1 TUESDAY, OCTOBER 6, 1942 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of October 6, 1942	1
Interference Notice	1
Photostat Copies	1
Notices of Cancellation	1
Order No. 3656	1
Applications Under Examination	2
Decisions of the U. S. Courts—	
In re Christmann et al	3
In re Ewald	5
In re Davis et al	7
Ball v. Hodgson and Kuhn	9
Patent Suits	11
Trade-Marks Published (88 Applications)	13
Trade-Mark Registrations Granted	24
Trade-Mark Registrations Renewed	30
Reissues	33
Plant Patents	34
Patents Granted	35
Designs	178

October 6, 1942

Trade-marks	117—No.	397,993 to No.	398,109, inclusive.
T. M. Renewals	78		
Reissue	6—No.	22,193 to No.	22,198, inclusive.
Plant Patents	2—No.	546 to No.	547, inclusive.
Patents	589—No.	2,297,675 to No.	2,298,263, inclusive.
Designs	68—No.	133,970 to No.	134,037, inclusive.
Total	860		

Interference Notice

U. S. Patent Office, *Richmond, Va., Sept. 11, 1942.*

Green & Gold Groves, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of J. E. Stansfield, P. O. Box 746, Arvin, Calif., for registration of a trade-mark and trade-mark registered February 13, 1940, No. 375,272, to Green & Gold Groves, Inc., P. O. Box 355, Pico, Calif., and the notice of such proceeding sent by registered mail to said Green & Gold Groves, Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Green & Gold Groves, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Photostat Copies

In ordering photostat copies of United States and foreign patents, when only the number of the patent is given, the whole patent, comprising specification and drawing, will be furnished, unless the order specifically states that the "specification only" or "drawing only" is required. Care should be taken in making out orders for foreign patents to give the year of the patent, as in old French and British patents the same number may appear in different years.

Notices of Cancellation

U. S. Patent Office, *Richmond, Va., Sept. 9, 1942.*

Colonial Drug & Sales Co., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by August A. Fickerle, 1033 S. Boulevard, Oak Park, Ill., to effect the cancellation of trade-mark registration of Colonial Drug & Sales Co., 1271 Curtis St., Denver, Colo., No. 209,989, dated March 2, 1926, and the notice of such proceeding sent by registered mail to the said Colonial Drug & Sales Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Colonial Drug & Sales Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. Patent Office, *Richmond, Va., Sept. 9, 1942.*

Colonial Drug & Sales Co., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by August A. Fickerle, 1033 S. Boulevard, Oak Park, Ill., to effect the cancellation of trade-mark registration of Colonial Drug & Sales Co., 1271 Curtis St., Denver, Colo., No. 211,763, dated April 20, 1926, and the notice of such proceeding sent by registered mail to the said Colonial Drug & Sales Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Colonial Drug & Sales Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Order No. 3656

U. S. Patent Office, *Richmond, Va., Sept. 18, 1942.*

The following transfers, to take effect October 1, 1942, are hereby ordered:

Subclasses 2 to 5, inclusive, of class 257, Heat Exchange, from Division 32 to Division 30.

Subclasses 2.5 to 19, inclusive, of class 154, Laminated Fabric and Analogous Manufactures, from Division 61 to Division 20.

Subclasses 43, 44, 45, and 45.9 of class 154, Laminated Fabric and Analogous Manufactures, from Division 56 to Division 20.

Class 13, Electric Furnaces, from Division 3 to Division 60.

CONWAY P. COE,
Commissioner.

Condition of Applications Under Examination at Close of Business September 12, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,868; Trade-Mark Division, 969. Oldest new case, Nov. 1, 1941; oldest amended, Nov. 12, 1941.)
(The dates given are 1942 except where † indicates 1941)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Domestic Cooking Vessels; Sewerage.	Jan. 31	Feb. 20	587
2. HERRMANN, D., Fishing and Trapping; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Feb. 5	Jan. 31	443
3. WOLFFE, S. (Acting), Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 4	Feb. 4	887
4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Mar. 23	Mar. 13	485
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	May 1	May 6	216
6. GENIESSE, E. W., Carbon Chemistry (part)	Jan. 17	Jan. 21	1287
7. JARBOE, C. G., Optics, Photography	†Dec. 22	†Dec. 19	1229
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Jan. 30	Feb. 20	696
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Mar. 16	Mar. 16	642
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	June 5	May 28	292
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Stop Mechanisms	Mar. 31	Feb. 12	386
13. BORLIK, F. J., Metal Working (part); Gear Cutting, Milling and Planing; Needle and Pin Making	Jan. 7	Jan. 6	649
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Apr. 16	Apr. 16	543
15. HENKIN, BENJ., Glass, Plastic Block and Earthenware Apparatus; Plastics	†Dec. 22	Jan. 15	1115
16. SPENCER, C. J., Telegraphy; Telephony	Feb. 28	Mar. 10	705
17. HABECKER, LEON B. (Acting), Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 29	†Dec. 4	1010
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Feb. 26	Jan. 23	531
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Jan. 2	Jan. 21	756
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part).	Apr. 20	Feb. 17	350
21. THOMPSON, T. J., Textiles	Mar. 31	May 11	351
22. RINGLE, D., Aeronautics; Firearms; Ordnance and Explosive Devices	†Dec. 4	†Dec. 4	1766
23. BARROWS, B., Cash Registers; Calculators (part)	Feb. 28	Feb. 7	165
24. KISSINGER, M. C. (Acting), Apparel; Apparel Apparatus; Sewing Machines	Apr. 8	Apr. 6	682
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 8	Apr. 23	238
26. YOUNG, R. R., Electricity—Generation and Motive Power	Mar. 19	Mar. 13	396
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Mar. 13	Feb. 25	257
28. SOLYOM, H. L., Internal-Combustion Engines (part); Cylinders and Pistons	Apr. 17	Feb. 23	194
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Mar. 23	Mar. 18	480
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 3	June 6	225
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Mar. 24	Mar. 24	1295
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Feb. 2	Mar. 27	827
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	Apr. 7	Apr. 27	643
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	May 16	May 11	377
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles	Jan. 23	†Dec. 18	971
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Apr. 6	Feb. 20	491
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 20	May 14	421
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Apr. 17	Mar. 30	561
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	June 4	June 4	255
40. DRUMMOND, E. J., Receptacles	Feb. 12	Feb. 12	1355
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Apr. 1	Mar. 28	496
42. MARANS, H., Electric Signaling	Feb. 21	Feb. 19	540
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Azo Compounds.	†Nov. 12	†Nov. 12	1048
44. HARVEY, L. P., Refrigeration	May 6	Mar. 7	383
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Apr. 16	Apr. 8	764
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Heating Systems; Coating Apparatus.	†Dec. 30	Jan. 2	769
47. KANOF, WM. J., Clutches and Power Stops; Brakes; Boring and Drilling; Land Vehicles (part)	Jan. 30	Feb. 28	1071
48. ROEPKE, O. B., Electricity, General Applications; Igniters	†Dec. 29	†Dec. 29	805
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 16	Mar. 4	543
50. LEVIN, SAMUEL, Resins; Rubber; Carbohydrates and Derivatives	Feb. 19	Feb. 19	1575
51. BACKUS, C. D., Radiant Energy	Mar. 24	Mar. 24	684
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	June 13	Apr. 18	302
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Curtains, Shades and Screens; Cutlery.	Jan. 26	Mar. 19	381
54. STRACHAN, O. W., Electric Lamp and Discharge Devices (part)	Apr. 16	Apr. 16	511
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery	May 18	June 20	145
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Laminated Fabrics (part); Paper Making	Jan. 22	Jan. 22	1322
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks	Apr. 17	May 9	351
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working	May 22	June 2	292
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds; Compositions (part).	†Nov. 1	†Dec. 6	1727
60. GLASS, R. L., Electricity, Heating and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Marine Propulsion; Consumable Electrode Lamp and Discharge Devices.	Apr. 13	Apr. 14	357
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Laminated Electrical Insulation, Belt, Hose, Tire and Ball Making; Boats and Buoys.	Jan. 21	Jan. 29	954
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Nov. 13	†Nov. 25	407
63. WINKELSTEIN, A. H., Preserving; Poisons; Fermentation; Foods and Beverages; Proteins; Oils and Fats.	†Dec. 24	†Dec. 23	1263
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Distillation; Fuel	Mar. 7	Mar. 7	1563
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays.	Mar. 20	Mar. 26	453
Trade Marks: RICHMOND, F. A.	Aug. 18	Sept. 4	969
Designs: KALUPY, H. H.	Aug. 22	Sept. 1	413

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE CHRISTMANN ET AL.

No. 4,604. Decided May 4, 1942

[— F.(2d) —]

1. APPEAL—AFFIDAVITS—RULE 138.

Where the appellants submitted certain affidavits to the Board of Appeals for the first time upon petition for reconsideration, and the Board of Appeals did not remand their application to the Primary Examiner *Held* that said affidavits were not properly before the Court of Customs and Patent Appeals.

2. RULE 138.

"The Board, under Patent Office Rule No. 138, could not properly admit the affidavits without remanding the case to the Examiner; yet it could, within its discretion, refuse to remand the case."

3. PATENTABILITY—DOUBLE PATENTING.

"Appellants should not be permitted to claim in the instant application that which was contained in the original application and cancelled upon being rejected as defining nothing inventive over the invention of the other claims therein. Appellants' acquiescence in the rejection and cancellation of the claims amounts, in our opinion, to a binding admission that the inventions are the same."

4. SAME—UTILITY.

"Each application must state some utility because patents are granted only upon a showing that a useful invention or discovery has been made."

5. SAME—DOUBLE PATENTING.

Claims in appellants' application to a reaction product *Held* properly rejected as unpatentable over claims of their own patent reciting the same product as used in an insecticide.

APPEAL from the Patent Office. Affirmed.

Mr. Ellis S. Middleton for Christmann et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

This appeal presents but one question for decision, and that one relates to double patenting. The Primary Examiner of the United States Patent Office rejected all appellants' claims in their application filed April 18, 1940, chiefly on the ground of double patenting. The claims in said application define a reaction product.

The eight claims on appeal differ in scope only. The Board of Appeals of the United States Patent Office was of the opinion that claims 1, 2, 3, and 6 were illustrative, and we also think they correctly illustrate the subject matter of all the claims. They read:

1. A reaction product of hydrofluosilicic acid and a guanidine.
2. A reaction product of hydrofluosilicic acid and a substituted guanidine.
3. A reaction product of hydrofluosilicic acid and an alkyl guanidine.
6. A reaction product of hydrofluosilicic acid and a diphenyl guanidine.

The Examiner rejected the claims as unpatentable over the claims of the applicants' Patent 2,205,789, which issued June 25, 1940. Upon appeal to the Board, the Examiner's decision was affirmed, and appellants have here appealed from the decision of the Board.

The Examiner rejected claim 2 upon the ground that it is indefinite. This ground was reversed by the Board and needs no consideration here.

The application which resulted in appellants' Patent 2,205,789 originally contained the claims which are here involved (they were claims 9 to 16 in that application). The application also contained eight other claims (the claims allowed in the resultant patent), of which claims, No. 1 is regarded as illustrative and reads as follows:

1. An insecticidal composition including a reaction product of hydrofluosilicic acid and a guanidine.

The claims of appellants' application (which application grew into a patent) were denied by the Examiner in view of the prior art, the Board affirmed the Examiner's decision, and when appeal was taken to this court, we reversed the decision of the Board, holding that appellants had developed a new product which was shown to have utility. The only utility shown in the record was as an insecticide. This decision was handed down on December 4, 1939. *In re Christmann et al.*, 27 C. C. P. A. (Patents) 708, 107 F.(2d) 607. Before the issuance of the patent, appellants filed the instant application and let the other application go to issue.

As before stated, the first application contained the claims here involved, and they were cancelled. According to the statement of the Examiner in the instant case, as no requirement for division had been made, they were rejected upon the ground that they were not "patentably different from claims 1 to 8, respectively" (claims 1 to 8 being the claims before this court in *In re Christmann et al.*, supra).

The instant application calls merely for broad claims to the reaction product as such. The application makes no mention that it is useful for any purpose other than as an insecticide. Appellants here contend that they are entitled to a broad patent on the product as such since they have shown utility, and particularly since they submitted affidavits to the Board upon petition for reconsideration, which, they claim, show that the material has, in addition to its use as an insecticide, utility as a rodenticide and as a rubber accelerator.

[1] [2] The Board, under Patent Office Rule No. 138, could not properly admit the affidavits without remanding the case to the Examiner; yet it could, within its discretion, refuse to remand the case. In effect, it seems that is what the Board did. Instead of remanding the case it stated that:

The situation has been considered in light of the additional argument and accompanying affidavits without finding any reason for changing our conclusions or necessitating further discussion.

We think that the Board was correct in its action on this question and that the affidavits, therefore, are not properly before us.

On the ground of double patenting, the Examiner had the following to say:

The herein presented claims 1 to 8 were originally presented in the file of Patent 2,205,789 as claims 9 to 16,

respectively, and were cancelled without argument upon being rejected as not being "patentably different from claims 1 to 8, respectively."

No requirement for division was ever made. Applicants, after winning their appeal in the U. S. Court of Customs and Patent Appeals upon the composition claims, attempted to reinsert claims identical with the cancelled claims 9 to 16, but were not allowed to do so for the reasons given in paper No. 18 of the patent file. If applicants desire to contest the question of double patenting of the compound claims over the composition claims, they could have continued to prosecute these claims after rejection instead of cancelling them. After the refusal to reinsert the therebefore cancelled product claims, applicants could have petitioned the Commissioner or they could have filed a continuation case incorporating both composition and product claims to contest the question. It is submitted that the prior case, U. S. Patent 2,205,789, was the proper case in which to decide this question.

On the same subject the Board of Appeals said:

It appears that claims like or equivalent to the present claims were presented in the record of Patent 2,205,789 but that all the claims of the patent were limited in the preamble to "An insecticidal composition including." The body of the claims of the patent is apparently similar to the body of the claims presented here. It is stated in the brief that applicants voluntarily cancelled claims of the present type. It is stated in the Examiner's answer that applicants' brief on appeal in the patent record indicated that counsel did not believe that there was any difference in scope between the cancelled claims like those here presented and the claims left in the patent limited to the insecticidal.

After giving careful consideration to the record, it is our opinion that broader claims may not now be properly allowed even conceding that claims of the present type were presented in this application before date of issue of the said patent. In view of the record it is our conclusion that it would constitute an extension of the monopoly to now grant claims that are broader than those standing in the patent and which would constitute the vital part or substance of the patented claims in addition to being broader in mere form. This appears prohibited by *Palmer Pneumatic Tire Co.* v. *Lozier*, 90 Fed. 732 and *Miller* v. *Eagle Mfg. Co.*, 151 U. S. 186 as well as by analogy to *Underwood et al.* v. *Gerber et al.*, 1889 C. D. 519.

The Solicitor for the Patent Office, on the subject of the invention of the instant application and that of the patent being the same, has this to say:

The situation here presented is not one in which a substance which is known to be useful for some purposes is found to be unexpectedly useful for another, unrelated purpose. In the present case it would appear that either the composition was produced expressly for use as an insecticide or that was the obvious use which suggested itself as soon as the composition was produced. Certainly there is nothing to suggest that the production of the composition represents one inventive act and the idea that it could be used as an insecticide, another.

The idea that there is but a single invention involved is materially strengthened by appellants' own conduct. As appears from the Examiner's statement, appellants originally presented the claims here involved as claims 9 to 16 of their application which has now matured into Patent No. 2,205,789. The Examiner rejected these claims as not being patentably different from claims 1 to 8, which claims now appear in the patent. Appellants did not traverse this rejection but canceled claims 9 to 16 without argument. If this conduct does not constitute an actual estoppel to question, in the present application, the holding that the two groups of claims are not patentably distinct, it at least affords strong evidence that that holding is correct. It is to be noted that the appellants themselves regarded the application which has now been patented as the proper place for the claims here involved, and that it was only after they were unsuccessful in obtaining them there that the contention that they were separately patentable was advanced. [Record numerals omitted.]

Under the circumstances above related it seems proper to hold that in deciding the issue presented in this appeal we must consider that the instant record affords no proof, available for our consideration, of any utility of the claimed compound except that which is described in the patent. Therefore, the sole issue presented is whether or not the applicants, under all the circumstances of this case, may, in the manner related, file an application, copending with the patent application, and claim broadly a new compound as a separate invention in view of their obtaining, in the manner related, a patent for the same compound as used in an insecticide.

[3] It seems clear to us that appellants should not be permitted to claim in the instant application that which was contained in the original application and cancelled upon being rejected as defining nothing inventive over the invention of the other claims therein. Appellants' acquiescence in the rejection and cancellation of the claims amounts, in our opinion, to a binding admission that the inventions are the same. Cases somewhat in point are *Leggett* v. *Avery*, 101 U. S. 256; *American Road-Mach. Co.* v. *Pennock & Sharp Co.*, 164 U. S. 26; *In re Stanton*, 24 C. C. P. A. (Patents) 708, 86 F.(2d) 337; *In re Wadsworth et al.*, 27 C. C. P. A. (Patents) 735, 107 F.(2d) 596. A pertinent authority is Rivise, The Preparation and Presentation of Patent Applications, page 100, § 103.

[4] Each application must state some utility because patents are granted only upon a showing that a useful invention or discovery has been made. We think appellants' monopoly under their said patent would be improperly extended by the allowance of the instant claims. If appellants were entitled to broader protection on their invention than they now have, it was their duty to have acquired it at the proper time, as provided by law.

Appellants argue at great length, citing certain decisions which we need not discuss, that the allowance of the instant claims would not be double patenting. Before the Board, on petition for rehearing, they contended that although the practice of the invention of the patented claims would infringe the claims on appeal, the practice of the invention of the appealed claims would not infringe the claims of the patent.

[5] The claims in the instant case are not directed to any particular use although, in the manner stated, appellants rely in part upon the new use to justify their contention for allowance of the new claims. Unquestionably, under the stated circumstances the allowance of the appellants' claims would be an extension of the appellants' monopoly not warranted by law. If they were to obtain a patent including the instant claims, they would presumptively be given a monopoly for seventeen years on the exclusive use of the compound for any purpose.

Certain cases seem to be very much in point. In *In re James*, 23 C. C. P. A. (Patents) 1124, 83 F.(2d) 313, the appellant had obtained a patent on a composition as an insecticide and sought to obtain a second patent containing narrower claims and also claims to the composition. That seems to be, in some respects, the situation at bar. In denying the appellant right to a second patent, we said:

Appellant's arguments have received our careful consideration but we are unable to escape the conclusion reached below that double patenting would result from the allowance of the claims. The mere fact that appellant may have made certain disclosures as to properties not disclosed in the patent is not of itself sufficient to support an additional patent. * * *

[Note: No such disclosures were made in the instant application.]

In *In re Byck*, 18 C. C. P. A. (Patents) 1208, 48 F.(2d) 665, appellant had obtained a patent on a composition and described it as useful as an electric insulator. His claims were to the composition. By means of a copending application, the claims of which defined the use of the composition as an insulator, he later sought a second patent. This court there said:

* * * It would shock one's sense of justice if an inventor could receive a patent upon a composition of matter, setting out at length in the specification the useful purposes of such composition, manufacture and sell it to the public, and then prevent the public from making any beneficial use of such product by securing patents upon each of the uses to which it may be adapted.

In the case at bar, appellant received a patent on his composition of matter because he had invented something new and useful. He could not have received such patent unless he had disclosed its utility. Such disclosure of usefulness did not constitute separate inventions, but an essential part of a single invention. * * *

In the case of *In re Barge*, 25 C. C. P. A. (Patents) 1058, 96 F.(2d) 314, which to some extent parallels the instant situation, we stated that:

It is well settled that, in instances like that at bar, where an applicant obtains a patent for one invention related to the same general subject matter as is disclosed in a later filed application, like that under consideration here, he is not entitled to two patents if his disclosure in the later application is not inventive over that for which he has already received a patent. The fact that he files his second application before the issuance of his first patent does not change the situation as long as the second application is not in the nature of a divisional one. * * *

Other cases which support our conclusion are *In re Land*, 27 C. C. P. A. (Patents 863), 109 F.(2d) 246, and *In re Sherman*, 28 C. C. P. A. (Patents) 1329, 121 F.(2d) 527.

We think the Board, in the instant case, reached the right conclusion, and its decision affirming the Examiner's rejection on the ground of double patenting is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE EWALD

No. 4,553. Decided June 1, 1942

[129 F.(2d) 340]

1. PATENTABILITY—INOPERATIVENESS IN A REFERENCE.
   In the absence of evidence by appellant to the contrary *Held* that the Board of Appeals did not err in concluding that the defect which it found to exist in the apparatus disclosed in a reference patent could be corrected by one having ordinary mechanical skill.
2. SAME—PATENTABLE SUBJECT MATTER.
   Claims calling for a cored half pear in which the groove formed by the removal of the core conforms substantially to the shape of the core prior to its removal *Held* not to define "any new and useful art, machine, manufacture, or composition of matter, or any new and useful improvements thereof" within the purview of section 4886 R. S.
3. SAME—SAME.
   "A cored half pear is merely a half pear with the inedible portion thereof removed. It, obviously, is not a new and different article, having a new name, character, or use."
4. SAME—METHOD OF CORING PEARS AND PRODUCT.
   Certain claims to a method of coring half pears and to the product of such method *Held* unpatentable.

APPEAL from the Patent Office. Affirmed.

Messrs. Cox, Moore & Olson (*Mr. Ballard Moore* and *Mr. Curtis F. Prangley* of counsel) for Ewald.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 1, 2, 5, and 15 to 18, inclusive, in appellant's application for a patent for an alleged invention relating to a method of coring half pears, as defined in claims 1, 2, and 5, and to the product of such method, as defined in claims 15 to 18, inclusive.

Eleven process claims were allowed by the Primary Examiner.

Claims 1, 2, and 15 are illustrative of the appealed claims. They read:

1. The method of coring half pears which comprises applying to the cut surface of the half pear a continuous cutting edge of a configuration conforming to the longitudinal configuration of the seed-containing and stem thread portions of the half pear, moving the cutting edge relative to the half pear along a semicircular path substantially about a stationary axis substantially coinciding with the stem axis of the half pear whereby simultaneously to sever the seed-containing portion and relatively tough stem threads from the meat of the pear and whereby to form a continuous channel of semicircular cross section in a direction transverse to the stem axis and coextensive in length with the seed-containing and stem thread portions of the half pear and substantially concentric with such stem axis.

2. A method of coring half pears having a calyx, a core proper and a stem thread section extending from the core proper to the stem end, which comprises forming a *single continuous cut of varying depth from end to end of the half pear which is truly semicircular and which is formed substantially concentrically to the stem axis of the half pear* whereby simultaneously to sever the calyx, the core proper and the stem thread section from the half pear with a cut of minimum width between the portion from which the calyx was removed and the portion from which the core proper was removed. [Italics ours.]

15. A cored half pear having a single, continuous groove of varying longitudinal configuration and formed substantially concentrically with respect to the stem axis of the half pear, said groove being formed semi-cylindrical in cross section at every point along the stem axis of the half pear and extending substantially from end to end of the half pear, portions of said groove closely conforming in shape to the shape of the calyx, the core proper, and the stem thread sections of the uncored half pear, and said groove having a restricted portion or throat connecting the calyx conforming portion of the groove to the portion of the groove conforming to the core proper.

The references are: Swett et al., 95,286, September 28, 1869; Spencer et al., 1,769,654, July 1, 1930.

Appellant disclosed in his application an apparatus for carrying out the method defined in appealed claims 1, 2, and 5, and for producing, by his claimed method, the article defined in appealed claims 15 to 18, inclusive.

Both appellant's method and the article produced thereby are sufficiently defined in the quoted claims.

The patent to Swett et al. relates to an improved apple-corer, and discloses a hand-operated apple-corer comprising a rod, which is adapted to be pressed against the half-section of an apple, and a cutting knife attached to the rod. The blade of the knife has a curved portion intermediate its two ends and is designed, as stated by the patentees, to cut out the seed-lobe and the stem and the blossom end in one operation. The patentees state that in the operation of their device

"the half apple is grasped in one hand and the corer in the other,"

and the corer is then placed

"on the apple in such a position that the rod"

to which the knife blade is attached

"will be directly over the centre. Now if the rod be firmly pressed on to the apple, and at the same time revolved, the knife D E F will cut entirely around all parts of the core and thus remove it."

The patent to Spencer et al. relates to an invention for paring and coring half pears. According to the patentees' disclosure, half pears are placed in cups and the peel and core removed by knives shaped for that purpose.

Appealed claims 1, 2, and 5 were rejected by the Primary Examiner on the ground that each of the references anticipated the method defined by those claims. Claims 15 to 18, inclusive, were rejected by the Examiner—

> • • • as being for an article which does not come under any of the statutory classes of invention, not being for an art, machine, manufacture or composition of matter, nor for any new and useful improvement thereof.
>
> • • • • • • • • •
>
> A half pear with its core, stem, and calyx removed is still a natural pear and not a manufacture, the result of invention.

In support of his views, the Examiner cited the case of *American Fruit Growers Inc.* v. *Brogdex Co.*, 283 U. S. 1, 404 O. G. 1043.

In affirming the decision of the Primary Examiner, the Board of Appeals stated that the patent to Swett et al.—

> • • • discloses an apple-corer which makes a cut extending the full length of the half fruit. It makes a cut which is substantially semi-circular in cross section at all points of the core axis. The drawing shows the bar BC, which is described as being rounded, *initially positioned at one side of the core axis. In making the cut it rolls over to the other side of the core axis, so the cut is not displaced as illustrated in Sheet 1 of the drawings accompanying the applicant's brief.* No part of the cut has greater width than that part between the blossom end and the core proper. The method is not patentably different because it is performed on a half pear, instead of on a half apple as in the patent. These three claims [Nos. 1, 2, and 5] are considered not allowable over this patent. [Italics ours.]

The Board also held that appealed claims 1 and 5 were substantially anticipated by the patent to Spencer et al. Apparently in answer to the contention of counsel for appellant that the patent to Spencer et al. did not disclose an operative structure or one which could be made operative by one possessing ordinary mechanical skill, the Board said:

> It is true the knife blade 41 should be below instead of above the axis of rotation when viewed as shown in Fig. 9 of the patent. Otherwise, it could not make the cut attributed to it in the patent. One making the cutter of the patent would certainly so position the blade 41 with respect to the axis of rotation that it would make the cut described in the patent.

The Board also held that as claims 15 to 18, inclusive, defined a cored half pear which "is still in its natural state," the Examiner was right in rejecting them as not being for patentable subject matter.

On January 29, 1942, subsequent to the oral arguments in this court, counsel for appellant submitted to the court the following typewritten statement:

> On behalf of appellant, it is conceded that claims 1 and 5 read on the patent to Spencer et al. No. 1,769,654 and are anticipated by said patent, if the device, as disclosed therein, is operative, or, although inoperative, can be made operative by one of ordinary skill in the art.

Counsel for appellant here contend that the apparatus disclosed in the patent to Spencer et al. is inoperative; that it could not be made operative without the exercise of more than mechanical skill; and that, therefore, that patent is not a proper reference. Counsel have explained in considerable detail why they think the Spencer et al. apparatus is not operative.

The Board of Appeals, however, was of opinion, as stated in the quoted excerpt from its decision, that the inoperative feature of the Spencer et al. apparatus could be made operative by the exercise of ordinary mechanical skill.

[1] No evidence was introduced by counsel for appellant for the purpose of establishing that the Spencer et al. apparatus was inoperative and that the alleged inoperative features could not be made operative by one having ordinary mechanical skill. We are unable to hold, therefore, that the Board erred in concluding that the defect in the Spencer et al. apparatus, which it found existed, could be corrected by one having ordinary mechanical skill, and that the Spencer et al. patent was a proper reference. In view of the concession made here by counsel for appellant, we must hold that claims 1 and 5 are unpatentable over the patent to Spencer et al.

As hereinbefore noted, appealed claims 15 to 18, inclusive, were rejected by the tribunals of the Patent Office on the ground that they do not define "any new and useful art, machine, manufacture, or composition of matter, or any new and useful improvements thereof," within the purview of section 4886 of the Revised Statutes (U. S. C., title 35, sec. 31).

[2] [3] Claims 15 to 18, inclusive, call for a cored half pear having a continuous groove or channel of varying longitudinal configuration, etc. Stated differently, those claims call for a cored half pear in which the groove or channel, formed by the removal of the core, conforms substantially to the shape of the core prior to its removal.

A cored half pear is merely a half pear with the inedible portion thereof removed. It, obviously, is not a new and different article, having a new name, character, or use. See *Hartranft* v. *Wiegmann*, 121 U. S. 609; *Anheuser-Busch Brewing Association* v. *United States*, 207 U. S. 556; *Ishimitsu* v. *United States*, 11 Ct. Cust. Appls. 186; *Kleinberger & Katz* v. *United States*, 12 Ct. Cust. Appls. 571; *American Fruit Growers Inc.* v. *Brogdex Co.*, supra.

We agree with the views expressed by the tribunals of the Patent Office that claims 15 to 18, inclusive, do not define patentable subject matter.

Relative to appealed claim 2, the Board of Appeals held that the method defined therein was anticipated by the patent to Swett et al. In so holding, the Board stated, as hereinbefore noted, that the rod in the Swett et al. patent to which the knife blade is attached is "initially positioned at one side of the core axis"; that in operating the Swett et al. device the rod "rolls over to the other side of the core axis"; and that by so operating that device, the method defined in claim 2 was carried out.

Counsel for appellant point out in their brief that it is stated in the specification in the Swett et al. patent that the "corer" is so positioned that the rod is

"directly over the center"

of the half-section of the apple instead of at one side of the center, as stated in the Board's decision. Counsel for appellant agree, however, with the views expressed by the Board that the rod to which the blade is attached

"does not remain stationary relative to the stem axis of the apple during the coring operation, but shifts laterally [as held by the Board] across the surface of the apple as the handle is turned."

Counsel contend, however, that as the rod is shifted laterally across the surface of the apple during the coring operation, such operation does not, as held by the Board, form a

" 'single continuous cut • • •', which is 'truly semicircular' and which is formed 'substantially concentrically to the stem axis' of the half fruit, as set forth in claim 2";

that, therefore, the cut is not uniform with relation to the stem axis of the fruit; and that, as a result,

"a considerable portion of the edible flesh of the fruit"

is wasted.

We are in agreement with counsel for appellant that the Board was in error in stating that the rod disclosed in the patent to Swett et al. is "initially positioned [during the coring operation] at one side of the core axis." As hereinbefore noted, it is stated in the patent that the corer is placed on the apple in such a position that the rod "will be directly over the centre" of the half-section of the apple. Furthermore, we are unable to agree with the Board's holding, in which counsel for appellant concur, that, in the operation of the Swett et al. device, as taught by the patentees, the rod "rolls over to the other side of the core axis," as stated by the Board, or that it "shifts laterally across the surface of the apple as the handle is turned," as argued by counsel for appellant. The patentees expressly state, as contended by the Solicitor for the Patent Office, that the rod is "revolved," not moved laterally across the surface of the apple. Accordingly, if the teaching of the patentees is followed, and the rod of their device is positioned directly over the center of the half-section of an apple and "revolved," the blade will cut entirely around all parts of the core and thus remove it. By such an operation, there will be a "single continuous cut of varying depth from end to end" which "is truly semicircular and which is formed substantially concentrically to the stem axis of" the half-section of the fruit.

The only difference between the Swett et al. disclosure and the method defined in appealed claim 2 is that the latter relates to the coring of half pears, whereas the Swett et al. patent relates to the coring of half-sections of apples. It would seem to be clear, therefore, that appealed claim 2 is not patentable over the disclosure in the Swett et al. patent.

[4] For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE DAVIS ET AL.

No. 4,555. Decided June 1, 1942

[129 F.(2d) 347]

PATENTABILITY—LUBRICANT.

Claims to a lubricant consisting of a hydrocarbon oil and a metal soap made from acids or substituted acids recovered from the oxidation of hydrocarbons *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Mr. Thomas E. Scofield for Davis et al.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims (Nos. 1 to 6, inclusive) in appellants' application for a patent for an alleged invention relating to improved lubricants for use in internal combustion engines, particularly Diesel engines.

Claims 1, 2, and 3, and claim 4 (which is illustrative of claims 5 and 6), read:

> 1. A lubricant consisting in combination of a major amount of a hydrocarbon oil and a minor amount of a metal soap of an acid selected from the following group: Acids recovered from the oxidation of hydrocarbons, Substituted acids recovered from the oxidation of hydrocarbons.
>
> 2. A lubricant consisting in combination of a hydrocarbon oil and from one fourth of one per cent to fifteen per cent by weight of a metal soap of an organic acid recovered from the oxidation of hydrocarbons.
>
> 3. A lubricant comprising in combination a hydrocarbon oil and from one fourth of one per cent to fifteen per cent by weight of a metal soap of a substituted organic acid recovered from the oxidation of hydrocarbons.
>
> 4. A lubricant comprising in combination a hydrocarbon oil and from one fourth of one per cent to fifteen per cent by weight of a metal soap of an aliphatic substituted fatty acid.

The references are: Parker, 2,001,108, May 14, 1935; Nelson, 2,055,043, September 22, 1936; Vobach, 2,081,075, May 18, 1937; Vobach, 2,095,538, October 12, 1937; Neely, 2,144,078, January 17, 1939.

As will be observed from the quoted claims, the alleged invention relates to a lubricating oil consisting of a large portion of hydrocarbon oil and a minor quantity of a metal soap. The metal soap is made either from acids recovered from the oxidation of hydrocarbons or from substituted acids recovered from the oxidation of hydrocarbons.

Owing to the increased loads placed upon Diesel engines and the high temperatures produced during the operation of such engines, the lubricants used therein have a tendency to form a sludge which interferes with proper lubrication and causes sticking of piston rings, etc.

Appellants state in their application that they discovered that by adding small quantities of the metal soaps called for by the appealed claims to hydrocarbon oil, they obtained a greatly improved lubricant—one in which the formation of sludge was so reduced as to substantially eliminate the gumming or sticking of piston rings in internal combustion engines, such as "airplane engines, automobile engines," etc.

In rejecting the appealed claims, the Primary Examiner stated that quoted claim 1 is a generic claim; that claim 2 is for one species of the alleged invention, that claim 3 is for another, and that claims 4, 5, and 6 are for still another; that as appellants had elected to claim the species defined in claim 3, and as claim 1 was not patentable over the references of record, appellants were estopped to claim in their involved application the two species of the alleged invention defined in claim 2 and in claims 4, 5, and 6. Claim 3 was also rejected by the Primary Examiner on the prior art cited. Although conceding that the prior art does not disclose as an addition agent to hydrocarbon oils the use of a soap

made from acids or substituted acids produced by the oxidation of hydrocarbons, the Primary Examiner held that as the metal soaps called for by the appealed claims were old as disclosed in the patent to Nelson and as the patents to Parker, Vobach, and Neely disclosed the use of other soaps in hydrocarbon oils for the purpose of preventing the formation of sludge and the resulting difficulties, the appealed claims were unpatentable. In so holding, the Examiner said:

> *Parker* discloses lubricating oil stabilized by means of the addition to the oil of a small quantity of soap. The particular soap disclosed by Parker is a soap of naphthenic acids oil distillates. *Nelson* is cited merely as an example of soaps which are derived from the acids obtained by the oxidation of hydrocarbons. The *Vobach* patents disclose calcium phenyl stearate alone or admixed with calcium stearate, added to lubricating oil for the purpose of preventing sludge formation in the piston ring grooves of Diesel engines. *Neely* uses aluminum salts of petroleum naphthenic acids in lubricating oils to prevent agglomeration of sludge and ring sticking in Diesel engines. These disclosures by Parker, Vobach and Neely of various soaps to prevent ring sticking are believed to negate patentability in the broad idea of using soaps. It is believed that given these disclosures it is obvious to select other types of soap for the purpose; and that no invention is involved in the absence of any showing that the soaps are not mere equivalents. [Italics quoted.]

In affirming the decision of the Primary Examiner, the Board of Appeals stated that although appellants claimed that unobvious results were obtained by substituting the addition agents specified in the appealed claims for the addition agents disclosed in the prior art cited, apparently no such contention was made before the Primary Examiner and, therefore, it did not feel justified in holding that the results obtained by appellants were unobvious in view of the prior art disclosures.

It appears from the patent to Parker that the metallic naphthenates or metallic salts of organic acids, disclosed by the patentee as addition agents in stabilizing hydrocarbon oils for use as lubricants, occur naturally in petroleum oils. The patentee states that such metallic naphthenates or metallic salts are "vastly superior for the purpose of stabilizing lubricating and transformer oils" to "any of the other substances used for similar or analogous purposes," and that they "should preferably be oil-soluble."

The patent to Nelson, as stated by the Primary Examiner, discloses the particular soaps specified in the appealed claims, and the use of such soaps in combination with petroleum oil (the oil ranging from 4.54 per centum to approximately 22 per centum of the mixture) in the manufacture of grease, such as axle grease, "hot roll neck grease, etc." There is no suggestion in that patent that the soaps therein disclosed could be used in hydrocarbon oils for any purpose other than in the making of greases. In fact, the patent was cited by the tribunals of the Patent Office for the sole purpose of showing that the particular soaps specified in the appealed claims were old. (It may be stated at this point that counsel for appellants do not contend that appellants' soaps were originally produced by them.)

As stated by the Primary Examiner, the two patents to Vobach relate to lubricating oil compositions, and disclose the use of calcium phenyl stearate alone or admixed with calcium stearate in combination with petroleum oils. The patentee states that his combination has a high solvent capacity for sludge, and that it also has the property of rendering sludge and carbon "soft and friable rather than hard and coherent."

The patent to Neely relates to a combination hydrocarbon lubricating oil and a small amount of basic aluminum salt of petroleum naphthenic acids. The basic aluminum salts of petroleum naphthenic acids are used, according to the patentee, as an anti-sludging material. The patentee does not disclose or suggest the use of metal soaps made from acids or substituted acids recovered from the oxidation of hydrocarbons.

It will be observed that the Primary Examiner stated in the quoted excerpt from his decision that the disclosures in the patents to Parker, Vobach, and Neely of the use of the particular soaps therein disclosed in hydrocarbon oils as anti-sludging agents negatives "patentability in the broad idea of using soaps"; that, in view of those disclosures, it would be obvious to select other types of soap as anti-sludging materials; and that "no invention is involved in the absence of any showing that the soaps are not mere equivalents."

Appellants state in their application that metallic soaps of the type disclosed in the patents to Parker, Vobach, and Neely had been used as anti-sludging material in lubricating oils; that those anti-sludging materials are not sufficiently soluble in hydrocarbon oils to produce a lubricating oil which is sufficiently stable to prevent the formation of sludge under the severe operating conditions to which lubricating oils are now subjected; that although free fatty acids or free substituted acids are sometimes blended with the prior art metal soaps to increase the solubility of such soaps, such acids contribute to the unstableness and corrosiveness of lubricating oil; and that as appellants' metal soaps are soluble in hydrocarbon oils, they, when combined with such oils, have proved very efficacious in preventing the formation of sludge and the resulting difficulties.

We have given careful consideration to the views expressed by the tribunals of the Patent Office in the light of appellants' application and the disclosures contained in the references of record, and have concluded that appellants' metal soaps have anti-sludging properties not possessed by the soaps disclosed in the patents to Parker, Vobach, and Neely; that appellants' lubricating oil is superior to the lubricating oils disclosed in the references of record; and that the references, although disclosing soaps as addition agents in the manufacture of lubricating oils, do not suggest that any and all metal soaps, particularly the metal soaps employed by appellants, would be useful as anti-sludging material for use in lubricating oils.

Although it occurred to the patentee Nelson that metal soaps made from acids, and substituted acids, recovered from the oxidation of hydrocarbon oils, which he disclosed, might be combined with small quantities of hydrocarbon oils in the manufacture of greases, it evidently was not obvious to him that such metal soaps were valuable as anti-sludging agents in lubricating oils for internal combustion engines. Furthermore, although the patent to Nelson was issued September 22, 1936, it evidently did not occur to either the patentee Vobach, whose application No. 142,624, which matured into Patent No. 2,095,538, was filed May 14, 1937, subsequent to the issuance of the Nelson patent, or to the patentee Neely, whose application was filed May 11, 1937, subsequent to the issuance of the Nelson patent, that the metal soaps disclosed by Nelson (and used by appellant) would serve as successful anti-sludging agents in lubricating oil.

For the reasons stated, we are of opinion that appealed claims 1 and 3 are patentable over the references of record.

Appealed claim 1 being a generic claim, appellant is entitled to prosecute in the involved application species claim 2 and species claims 4, 5, and 6, as well as species claim 3, and the rejection of claims 2 and 4, 5, and 6 on the ground of estoppel was not proper. See rule 41 of the Rules of Practice in the United States Patent Office.

The decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

BALL *v.* HODGSON AND KUHN

No. 4,579. Decided June 1, 1942. Petition for rehearing denied July 3, 1942

[129 F.(2d) 343]

1. INTERFERENCE—BURDEN OF PROOF.

Where the application of B was filed October 19, 1938, was made special on the basis of a petition charging the assignee of H and K, with infringement, and a patent was issued to B on March 14, 1939; and where H and K did not file their application until April 10, 1939, *Held* that H and K had the burden of proving their case beyond a reasonable doubt and that this burden was not lightened by reason of the expediting of B's application.

2. SAME—REDUCTION TO PRACTICE.

Where H and K, in their preliminary statements, asserted that they had not built the specific device shown in their application in interference, but in said preliminary statements did refer to a machine built in accordance with the disclosure of an application filed jointly by them and one S, *Held* that said assertion did not preclude H and K from relying upon the machine so built for actual reduction to practice.

3. SAME—DILIGENCE.

"Appellant's own testimony establishes that he did nothing relating to the involved invention from January, 1938, until June 14, 1938. During that period appellant, under the impression that the invention he had conceived might infringe a certain patent, was merely seeking rights under that patent, which rights he secured in June, 1938. He subsequently discovered that the claims in the patent 'covered revolving springs and not stationary, as in our own design'. Manifestly there was no error in the decisions of the tribunals below in holding that appellant did not exercise due diligence toward reducing the invention to practice."

4. SAME—PRIORITY.

Evidence reviewed and *Held* that priority properly was awarded to H and K, the junior party.

APPEAL from the Patent Office. Affirmed.

Mr. Henry E. Stauffer (*Mr. Arthur Middleton* and *Mr. Henry B. Stauffer* of counsel) for Ball.

Mr. Frank H. Hubbard (*Mr. W. C. Lyon* of counsel) for Hodgson and Kuhn.

JACKSON, *J.*:

This is an appeal, in an interference proceeding, by the senior party Ball from a decision of the Board of Appeals of the United States Patent Office. The Examiner of Interferences awarded to appellees priority of invention of the subject matter defined in all of the counts, 1, 2, 3, 4, and 5, and held that they were the first to conceive the invention and reduce it to practice and also that even if appellant were assumed to be the first to conceive the invention he was the last to reduce it to practice and was not diligent from about the time appellees entered the field until appellant's filing date. The Board of Appeals reversed the holding of the Examiner in so far as he held that appellees were entitled to a prior date of conception as to counts 1, 2, 3, and 4 and affirmed the decision as to those counts in all other respects. With regard to count 5, the Board, in a supplemental decision, affirmed the decision of the Examiner. Both decisions of the Patent Office tribunals held that the invention as defined in the counts was reduced to practice by appellees by June 28, 1938.

The interference involves a patent to appellant No. 2,150,813 granted March 14, 1939, upon an application Serial No. 235,715, filed October 19, 1938, and a joint application of appellees Serial No. 267,143, filed April 10, 1939.

The interference as originally declared included counts 1, 2, 3, and 4 and, after preliminary statements had been filed by the parties, on motion of appellees count 5 was added. A preliminary statement of appellee was thereafter filed as to count 5.

It appears that counsel for appellant, on December 9, 1938, filed a petition supported by his affidavit requesting that the said application of appellant "be made special" in view of alleged "circumstances of infringing devices now being offered, made and sold by Cutler-Hammer, Inc., of Milwaukee, Wisconsin." Cutler-Hammer, Inc. is the assignee of appellees. The petition was granted and a patent issued to appellant, as hereinbefore stated, on March 14, 1939.

The counts herein all originated as claims in the patent of appellant and were copied by appellees who requested the interference. In the request, counsel for appellees answering the said charge of infringement stated as follows:

> Ball's allegation that the Cutler-Hammer device to which he called attention is responsive to the claims solicited by him is believed to be erroneous, but the structure shown in the instant application appears to be fully responsive to the Ball claims which have been copied in said application.

In each of the preliminary statements of appellees the following statement appears:

> They have not built the specific device shown in their application in interference but did embody in a full size machine which was completed between May 6, 1938, and June 13, 1938, the Cutler-Hammer, Inc., construction referred to in the Middleton affidavit filed in the Ball application for the patent in interference, which construction was averred in said affidavit to infringe Ball's claims and which construction not conceded to infringe any claims of Ball's said patent constitutes the subject matter of application Serial No. 267,142, filed April 10, 1939, by H. E. Hodgson, C. W. Kuhn and W. C. Stevens.

The invention relates to improvements in power driven valves such as are employed in the oil industry.

Counts 1 and 5 are illustrative and read as follows:

> 1. In a power driven control apparatus, such as a power controlled valve construction, a threaded actuating spindle therefor, operable between limits of longitudinal move-

ments, one of which limits is fixed, and a base construction in which operates said spindle, mechanism for raising and lowering said spindle, comprising a rotatable nut member upon said spindle, the rotation of which nut member will raise and lower said spindle, a non-rotatable thrust member with respect to which said nut member rotates, said thrust member having rotation preventing association with said base portion and being bodily axially movable together with said nut member, said nut member having thrust transmitting engagement with said thrust member, spring means effective upon said thrust member to yieldingly restrain axial movement thereof and consequently of said nut member away from said base construction, said nut member, and spring pressed thrust member constituting a thrust responsive assembly; drive mechanism for said nut member comprising a housing fixed relative to said base construction and substantially superposed upon said thrust responsive assembly, and a rotary axially non-shiftable power driven member in driving engagement with said axially movable nut member.

5. Mechanism according to claim 1, in which a unitary housing surrounds said thrust responsive assembly and surrounds and supports said drive mechanism, and is fastened to said base construction.

Counts 2, 3, 4, and 5 are based on count 1 and the Board of Appeals described the involved invention as follows:

As will be observed on a reading of the count [count 1], it is quite specific. The alleged novelty resides largely in the specific means employed to compensate for shock in motor-driven gearing embodying a threaded actuating spindle having a fixed limit of movement in one direction. Both parties apply their power-driven control apparatus to the actuating spindle of a valve. The valves with which the actuating mechanism was intended to be used are valves of quite massive size, the movable elements of which may weigh 1,000 lbs. or more.

[1] Since the application of appellees was not filed until after the patent issued to appellant, they had the burden of proving their case beyond a reasonable doubt. We do not think that this burden has been lightened, as is urged by appellees, simply by reason of the expediting of appellant's application for patent.

Both parties took testimony. It is not necessary here to discuss the record made on behalf of appellant, except with respect to diligence during the critical period, for the reason that he admits in his brief that he is confined to his filing date, October 19, 1938, for constructive reduction to practice. Appellant contends that appellees' record does not prove a structure having any of the essential limitations defined by the counts, but does not question the correctness of the dates May 6, 16, and 15, 1938, respectively, appearing on appellees' Exhibits 17, 18, and 20. Those exhibits coupled with oral testimony constituted the principal basis upon which the Board of Appeals affirmed the decision of the Examiner.

It appears that appellees, who are engineers employed by the Cutler-Hammer Company engaged in the manufacture of valve control mechanisms, early in the year 1938 were endeavoring to solve a problem of sticking or jamming of large valves in power operating units. That kind of valve requires much power for its operation and electric motors geared to rotate a nut cooperating with the valve stem are used for opening and closing the valves. Appellees in their work on the problem studied the efficacy of a spring compensated drive member. The force of the spring is opposite in direction to the force which closes the valve so that when the closing member of the valve is seated the valve is not so firmly closed as to become stuck or if the movement of the valve should be suddenly stopped the mechanism would not be liable to be broken.

Appellees' Exhibit 20 is a photostat of a drawing dated May 15, 1938. It discloses a spring and bolt structure which is practically identical to that contained in the principal drawing shown in the joint application. It shows that in the device there are two thrust adjusting screws to regulate the compression of the spring, two mounting screws for nolding the spring assembly between plates, the spring assembly separately mounted on a valve yoke and eight mounting screws for the entire spring unit. There can be no doubt that that exhibit discloses the subject matter defined in the counts. The record shows that a copy of that drawing was received by the patent attorney for Cutler-Hammer on or about May 15, 1938.

Exhibits 17 and 18 are blueprints of the device which if considered apart from the rest of the record we do not think would prove conception of the invention by appellees, but when considered in the light of contemporaneous Exhibit 20 it is clear to us that appellees established a conception of the invention by at least May 16, 1938.

Later in the month of May or early part of June, 1938, a valve driving device was constructed from the said blueprints under the direction of the experimental test engineer at the plant of the Cutler-Hammer Company. The record shows that the device was completed on June 13, 1938. On the following day it was mounted on a Powell valve of the Sun Oil Company and tested by operating it to open and close the valve under various spring pressures. The source of the pressure in the valve was through a compressed air line in the testing laboratory. It is shown that the tests proved satisfactory and the entire combination as tested was shipped by express to the Sun Oil Company on June 28, 1938.

The Sun Oil Company further tested the device through the summer of 1938 and later put it into service. It is clearly shown that the mechanism was observed as working in the Sun Oil Company's plant at Marcus Hook, Pennsylvania, on July 8 or 9, 1938, and on September 13, 1938. It is further shown that on November 13 and 23, 1938, and on December 2, 1938, the Cutler-Hammer Company received orders for devices similar to the one which it tested and which was put into service by the Sun Oil Company.

We find nothing in the record from which we could conclude that the tests conducted by the Cutler-Hammer Company were insufficient even though the Sun Oil Company ran tests of its own upon the device subsequent to the former tests. We think that the Board of Appeals quite reasonably concluded that the later tests were for the purpose of determining the durability of the device. In view of what has been set out hereinbefore we are convinced appellees have established beyond a reasonable doubt that they conceived the involved invention at least by May 16, 1938, and reduced it to practice at least by June 28, 1938 (the date of shipment to the Sun Oil Company).

[2] Appellant contends that the appellees are not entitled to a date of reduction to practice prior to their filing date because of the statement made in each of their preliminary statements that they had not built the specific device shown in their application, which statement we have fully set out in this opinion. On this phase of the case, the Board, we think properly, observed as follows:

We are unable to see that Hodgson et al. are precluded from establishing an earlier date of reduction to practice because of the statement quoted. Even though the complete mechanism which was constructed embodied a contribution of Stevens, as well as contributions of Hodgson and Kuhn, we think it may fairly be held that, in so far as this device supports, in common with the present application of Hodgson and Kuhn, the counts in issue, it may be relied upon to establish a reduction to practice thereof.

The device of the application of Hodgson, Kuhn and Stevens, which the allegation states corresponds to the device actually constructed, obviously contains many features which are not involved in the present counts, such, for instance, as the limit switch mechanism and the particular manner of associating the same with the compensator and also the hand-operating mechanism. Conceivably these features may have been the ones as to which Stevens collaborated.

Whatever may have been the features not contained in the present counts which were in the device that was built according to the application of appellees and Stevens, nevertheless the record here clearly shows that the device which was constructed comprised all of the elements which go to make up the counts herein. Therefore we conclude that the Board did not err in refusing to agree with that contention of appellant.

Appellant also contends that joint invention by appellees was not established. It is our view, as it was that of the Board, that the record shows many conferences between the appellees on the subject matter of the invention and some of the sketches appear to have been their joint work. We find nothing in the record taken as a whole from which we would infer that the invention is not the product of inventive joint effort on the part of appellees.

[3] We cannot agree with appellant that he was diligent from immediately before the time that appellees entered the field on May 11, 1938, until he filed his application on October 19, 1938. Appellant's own testimony establishes that he did nothing relating to the involved invention from January, 1938, until June 14, 1938. During that period appellant, under the impression that the invention he had conceived might infringe a certain patent, was merely seeking rights under that patent, which rights he secured in June, 1938. He subsequently discovered that the claims in the patent "covered revolving springs and not stationary, as in our own design". Manifestly there was no error in the decisions of the tribunals below in holding that appellant did not exercise due diligence toward reducing the invention to practice. *Wilson et al.* v. *Sherts et al.*, 23 C. C. P. A. (Patents) 914, 924, 81 F.(2d) 755, 467 O. G. 724; *Hull* v. *Davenport*, 24 C. C. P. A. (Patents) 1194, 90 F.(2d) 103, 485 O. G. 13.

[4] The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921. R. S., as amended Feb. 18, 1922]

1,454,653, J. H. Rand, Jr., Visible index or reference device; 1,603,406, same, Index device, D. C., S. D. N. Y., Doc. 13/157, *Remington Rand, Inc.*, v. *H. & R. Stationers Supply Co.* Dismissed for lack of prosecution (notice July 7, 1942). Dismissal order vacated and cause restored to docket July 13, 1942.

1,549,594, A. C. Menningen, Tumbler; 1,692,452, J. E. Kirkham, Skinner scoop crane; 1,947,823, H. E. Brey, Crane driving and steering mechanism, filed Aug. 5, 1942, D. C., N. D. Ohio, W. Div., Doc. 4808, *Koehring Co.* v. *The Buckeye Traction Ditcher Co.*

1,583,951. (See 1,992,802.) 1,603,406. (See 1,454,653.)

1,618,440, Kimball & Rideout, Filled carton closing and sealing machine; 1,815,571, same, Carton sealing machine; 2,095,258, Kimball & Braren, Carton closing machine; 2,135,806, Fermann & Mosley, Carton closing machine, D. C., S. D. Calif., N. Div., Doc. 138, *Standard-Knapp Corp.* v. *California Prune & Apricot Growers Assn.* Consent decree enjoining defendants July 27, 1942.

1,681,033. (See Re. 20,203.)

1,692,452. (See 1,549,594.)

1,724,542, J. Zabel, Fur brushing and ironing machine; 1,776,114, S. Friedman, Fur treating method and apparatus, filed July 28, 1942, D. C., S. D. N. Y., Doc. 10/472, *Reliable Machine Works, Inc.*, v. *Petzold, Ltd. Fur Dyeing Corp.* Judgment (notice July 3, 1942). Doc. 18/500, *Reliable Machine Works, Inc.*, v. *Perfect Doll Moulds Co., Inc.* Doc. 18/499, *Reliable Machine Works, Inc.*, v. *Rubson Mechanical Equipment Corp.*

1,728,974, McLaughlin & Swing, Arcuate film splice; 1,734,140, same, Film splicing machine; 1,734,141, same, Film splicer; 1,734,142, same, Film splicer and rewinder, filed July 9, 1942, D. C., S. D. N. Y., Doc. 18/425, *D. E. Schayer* v. *R. K. O. Radio Pictures, Inc., et al.*

1,734,140. (See 1,728,974.) 1,734,141. (See 1,728,974.)

1,734,142. (See 1,728,974.)

1,773,025. (See Re. 17,466.)

1,776,114. (See 1,724,542.) 1,790,611. (See 1,871,099.)

1,801,902. (See Re. 17,466.)

1,811,524. (See 1,871,099.) 1,815,571. (See 1,618,440.)

1,825,736, Klein & Szegvari, Method for the production of rubber goods directly from latex; 1,996,051, D. F. Twiss, Method and form for manufacturing rubber goods from an aqueous dispersion of rubber, filed July 20, 1942, D. C. Del., Doc. 261, *Dewey & Almy Chemical Co.* v. *American Anode, Inc.*

1,829,210. (See Re. 17,466.)

1,858,397, 1,890,776, 1,970,512, 1,986,193, 2,009,010, Re. 21,829, C. M. Friden, Calculating machine; 2,256,799, 2,200,588, H. T. Avery, same; 1,910,738, same, Locking and clearing mechanism for calculating machines; 1,935,851, G. Lerch, Calculating machine, suit for declaratory judgment filed July 16, 1942, D. C., E. D. Pa., Doc. 2671, *Monroe Calculating Machine Co.* v. *Marchant Calculating Machine Co.* Same, filed July 27, 1942, D. C., S. D. Calif. (Los Angeles), Doc. 2347–B, *Marchant Calculating Machine Co., Inc.*, v. *Monroe Calculating Machine Co., Inc.*

1,868,407. (See Re. 17,466.)

1,871,099, M. Vitoux, Needle-holding handle; 1,790,611, same, Knitting needle; 1,811,524, same, Needle for repairing knitted articles, filed July 13, 1942, D. C. N. J., Doc. 2275, *American Vitos Co., Inc.*, v. *Levy Bros. of Elizabeth, N. J., Inc.* Same, filed July 8, 1942, D. C., S. D. N. Y., Doc. 18/421, *American Vitos Co., Inc.*, v. *Ever-Last Hosiery Repair Service.*

1,888,161. (See Re. 17,466.)

1,890,776. (See 1,858,397.)

1,892,614. (See Re. 17,466.)

1,910,738. (See 1,858,397.) 1,935,851. (See 1,858,397.)

1,947,823. (See 1,549,594.) 1,970,512. (See 1,858,397.)

1,983,265, 2,053,595, 2,082,677, S. P. Belsinger, Shipping container; 2,094,783, same, Fiberboard container, filed July 16, 1942, D. C., N. D. Ga. (Atlanta), Doc. 2580, *Birmingham Paper Co.* v. *Belsinger, Inc., et al.*

1,986,193. (See 1,858,397.)

1,992,802, A. T. Bahr, Portable starting gate with fixed stalls; 1,583,951, same, Starting gate; 2,012,186, A. J. Fihe, Automatic starting gate; 2,232,675, Puett & Bosio, same, D. C., S. D. Calif. (Los Angeles), Doc. 623–RJ, *Bahr Starting Gate Corp.* v. *Puett Electric Gate Co.* Judgment upon counterclaim holding claims 4 to 12 inclusive of 2,232,675 valid and infringed, injunction July 7, 1942. Patents 1,583,951 and 1,992,802 held valid and infringed, injunction July 17, 1942.

2,012,186. (See 1,992,802.) 2,053,595. (See 1,983,265.)

2,069,871, S. O. Blanc, Cutter member for cleaning drain pipes; Re. 22,113 (of 2,111,527), same, Drain cleaner, filed Aug. 5, 1942, D. C., W. D. Mich. (Grand Rapids), Doc. 262, *S. O. Blanc* v. *Cayo Electric Sewer Machine.*

2,082,677. (See 1,983,265.) 2,094,783. (See 1,983,265.)

2,095,258. (See 1,618,440.) 2,111,527. (See 2,069,871.)

2,135,806. (See 1,618,440.)

2,160,361. (See Re. 17,466.)

2,200,588. (See 1,858,397.) 2,232,675. (See 1,992,802.)

2,250,403. (See Re. 17,466.)

2,256,799. (See 1,858,397.)

Re. 17,466, G. C. Chase, Multiplier mechanism for calculating machines; 2,250,403, same, Division stop mechanism for calculators; 1,829,210, 1,773,025, same, Carriage shift control for calculating machines; 1,801,902, E. F. Britten, Jr., Calculating machine; 1,868,407, Brown & Overbury, same; 1,892,614, H. Enders, Automatic multiplication mechanism for calculators; 1,888,161, G. C. Chase, Automatic control for calculating machines; 2,160,361, S. Hilder, Calculating machine, filed July 16, 1942, D. C., S. D. N. Y., Doc. 18/452, *Monroe Calculating Machine Co.* v. *Marchant Calculating Machine Co.*

Re. 20,202. (See Re. 20,203.)

Re. 20,203, Re. 20,202 (of 1,681,033), B. W. Freeman, Cut-out machine for shoe uppers, C. C. A., 8th Cir., Doc. 12241, *B. W. Freeman et al.* v. *A. W. Altvater et al.* Judgment of lower court affirmed July 15, 1942.

Re. 21,829. (See 1,858,397.)

Re. 22,113. (See 2,069,871.)

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 6, 1942

[VOL. 543. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 452,730. MANHATTAN BLENDERS AND STRIPPERS CO., INC., New York, N. Y. Filed May 1, 1942.

Sky High

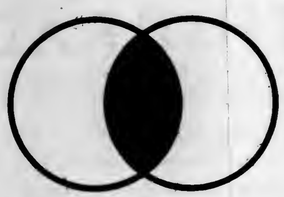
FOR FUR PELTS, DYED OR OTHERWISE PROCESSED.

Claims use since Mar. 20, 1942.

CLASS 2

RECEPTACLES

Ser. No. 454,516. POLAROID CORPORATION, Cambridge, Mass. Filed July 25, 1942.



FOR SMALL CASES ADAPTED TO CONTAIN FILTERS, EYEGLASSES, AND SIMILAR ARTICLES.

Claims use since December, 1936.

Ser. No. 454,832. MENASHA PRODUCTS COMPANY, Menasha, Wis. Filed Aug. 10, 1942.

MARAPAK

FOR PAPER BAGS.

Claims use since July 14, 1942.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 445,400. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed July 16, 1941.

POROKLEEN

FOR CHEMICAL CLEANING COMPOUND ADAPTED FOR DISSOLVING AND REMOVING FOREIGN MATTER FROM METAL SURFACES PRIOR TO PROCESSING IN THE COURSE OF MANUFACTURING AND OTHER INDUSTRIAL OPERATIONS.

Claims use since Sept. 14, 1939.

Ser. No. 453,211. PLEE-ZING, INC., Chicago, Ill. Filed May 23, 1942.

PLEE-ZING

FOR WALLPAPER CLEANER, GLASS CLEANING PREPARATION, SHOE POLISH, SWEEPING COMPOUND, LEMON ODOR CLEANSER, COCOA CASTILE SOAP, GRANULATED SOAP, LAUNDRY SOAP, SOAP FLAKES, SHOE WHITENER, WHITE SHOE POLISH.

Claims use since December, 1936, on wallpaper cleaner; since June, 1938, on glass cleaning preparation; since July, 1938, on shoe polish, shoe whitener and white shoe polish; since August, 1929, on laundry soap, soap flakes and granulated soap; since August, 1939, on sweeping compound; and since January, 1940, on lemon odor cleanser and cocoa castile soap.

Ser. No. 454,008. S. C. JOHNSON & SON, INC., Racine, Wis. Filed July 2, 1942. Under section 5b of the act of 1905 as amended in 1920 as to "Johnson's."

JOHNSON'S

Rubber dressing

Applicant is the owner of Reg. #106,108 for the mark "Johnson's," effected under the 10-year proviso of the

1905 act. Applicant disclaims the words "Rubber dressing" apart from the mark.

FOR RUBBER DRESSING TO COAT, PRESERVE, RENEW, AND CLEAN ALL RUBBER, AUTOMOTIVE AND HOUSEHOLD ARTICLES.

Claims use since Apr. 30, 1940.

CLASS 5

ADHESIVES

Ser. No. 454,926. GARINOL, INC., New York, N. Y. Filed Aug. 15, 1942.

GARINOL

FOR LIQUID ADHESIVE FOR COATING GLASS TO PROVIDE A TRANSPARENT FILM THEREOVER DESIGNED TO RENDER THE GLASS SAFE AGAINST SPLINTERING AND SCATTERING.

Claims use since May 6, 1942.

Ser. No. 454,973. S. S. STAFFORD, INC., New York, N. Y. Filed Aug. 18, 1942.

TAP - TOP

FOR MUCILAGE.

Claims use since Aug. 5, 1942.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 443,528. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed May 13, 1941.

ARDENA

FEATHER-LIGHT FOUNDATION CREAM

The words "Light" and "Foundation Cream" are disclaimed apart from the mark.

FOR FACE CREAM.

Claims use since Feb. 28, 1940.

Ser. No. 453,688. JOHN H. WOODBURY, INC., Cincinnati, Ohio. Filed June 15, 1942.

Zia

FOR COLOGNE.

Claims use since May 4, 1942.

Ser. No. 454,085. NUTRITIONAL RESEARCH PRODUCTS, INC., Los Angeles, Calif. Filed July 7, 1942.

R-P

FOR CONCENTRATED MEDICINAL FOOD MATERIALS FOR USE AS FOOD SUPPLEMENTS IN SUPPLYING DEFICIENCIES OF VITAMINS.

Claims use since Apr. 14, 1942.

Ser. No. 454,438. TEMPIL CORPORATION, New York, N. Y. Filed July 22, 1942.

TEMPILAQ°

FOR TEMPERATURE INDICATING FLUID MATERIALS MADE OF CHEMICAL COMPOUNDS, CHEMICAL ELEMENTS, EUTECTICS, PURE METALS AND ALLOYS WHICH POSSESS SUFFICIENTLY SHARP MELTING POINTS OR MELTING POINT RANGES TO INDICATE SPECIFIC TEMPERATURES OR TEMPERATURE RANGES IN SUBDIVIDED FORM SUSPENDED OR DISSOLVED IN A QUICKLY DRYING VEHICLE OR SOLVENT.

Claims use since Apr. 15, 1942.

Ser. No. 454,439. TEMPIL CORPORATION, New York, N. Y. Filed July 22, 1942.

TEMPILSTIK°

FOR TEMPERATURE INDICATING PENCILS, OR CRAYONS, MADE OF CHEMICAL COMPOUNDS, CHEMICAL ELEMENTS, EUTECTICS, PURE METALS AND ALLOYS WHICH POSSESS SUFFICIENTLY SHARP MELTING POINTS OR MELTING POINT RANGES TO INDICATE SPECIFIC TEMPERATURE RANGES BY THEIR MELTING.

Claims use since June 12, 1941.

Ser. No. 454,478. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed July 24, 1942.

THIURAD

FOR COMPOUNDS USED AS VULCANIZATION ACCELERATORS IN THE CURING OF RUBBER ARTICLES.

Claims use since Aug. 24, 1934.

Ser. No. 454,485. ABBOTT LABORATORIES, North Chicago, Ill. Filed July 25, 1942.

RIBOJECTAL

FOR VITAMIN PREPARATION.

Claims use since July 14, 1942.

Ser. No. 454,486. ABBOTT LABORATORIES, North Chicago, Ill. Filed July 25, 1942.

RIBOTINIC

FOR VITAMIN PREPARATION.

Claims use since July 14, 1942.

Ser. No. 454,508. THE G. F. HARVEY COMPANY, Saratoga Springs, N. Y. Filed July 25, 1942.

VITOGEN

FOR THERAPEUTIC POWDER FOR ANTISEPTIC DUSTING.

Claims use since 1896.

Ser. No. 454,524. STEIN, HALL MANUFACTURING COMPANY, Chicago, Ill. Filed July 25, 1942.

DYKON

FOR ROPE AND MOLD INHIBITOR SOLD AS A POWDER PREPARATION FOR USE IN PREPARING BAKERY PRODUCTS AND OTHER PRODUCTS SUSCEPTIBLE TO THE GROWTH OF ROPE AND MOLD.

Claims use since Aug. 11, 1941.

Ser. No. 454,569. IGNACE ALEMBIK, New York, N. Y. Filed July 29, 1942.

FIREPEL

FOR CHEMICAL COMPOSITION TO MAKE WOOD AND OTHER FIBROUS MATERIAL FIRE RESISTANT OR FIREPROOF.

Claims use since July 23, 1942.

Ser. No. 454,603. HERCULES POWDER COMPANY, Wilmington, Del. Filed July 30, 1942.

MAXIZE

FOR ROSIN SIZE FOR USE IN THE SIZING OF PAPER.

Claims use since May 22, 1942.

Ser. No. 454,698. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Aug. 3, 1942.

CHEK-R-LINEUM

FOR INSECTICIDE.

Claims use since July 23, 1942.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 446,403. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y. Filed Aug. 20, 1941.

VOGUE

FOR INKING RIBBONS AND CARBON PAPER.

Claims use since July, 1931, on inking ribbons; and since 1929 on carbon paper.

Ser. No. 454,763. PANAMA CARBON COMPANY, Cleveland, Ohio. Filed Aug. 6, 1942.

DANDY-LINE

FOR CARBON PAPERS.

Claims use since Jan. 2, 1920.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 453,138. CAMFIELD MANUFACTURING COMPANY, Grand Haven, Mich. Filed May 20, 1942.

COMPREGWOOD

FOR PLASTIC AND RESIN IMPREGNATED LUMBER, PLYWOOD, VENEERED WOOD, FINISHED PLYWOOD PANELS.

Claims use since Jan. 1, 1941.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 443,644. REPUBLIC STEEL CORPORATION, Cleveland, Ohio. Filed May 16, 1941.

ELECTRO NEVAPEEL

The word "Nevapeel" is disclaimed apart from the mark.

FOR FERROUS METAL SHEET, STRIP, AND PLATE.

Claims use since Apr. 10, 1941.

Ser. No. 452,263. ELECTRO MANGANESE CORPORATION, Knoxville, Tenn. Filed Apr. 10, 1942.

ZMnz

No claim is made to the chemical symbol "Mn" apart from the mark.

FOR METALLIC MANGANESE—NAMELY, MANGANESE PRODUCED BY THE ELECTROWINNING THEREOF FROM MANGANESE ORES.

Claims use since Oct. 12, 1939.

Ser. No. 452,847. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y. Filed May 7, 1942.

VMANG

FOR WELDING MATERIALS IN THE FORM OF BARE RODS OR COATED ELECTRODES.

Claims use since Mar. 27, 1942.

Ser. No. 454,759. METALS RESERVE COMPANY, Washington, D. C. Filed Aug. 6, 1942.

LONGHORN

FOR TIN.
Claims use since June 10, 1942.

CLASS 15

OILS AND GREASES

Ser. No. 454,716. GLENN CONFECTIONS, INC., Buffalo, N. Y. Filed Aug. 4, 1942.

"Joy-Glo"

No claim is made to the term "Glo" apart from the mark.
FOR CANDLES CAPABLE OF FLOATING ON WATER OR RESTING ON A SUPPORT.
Claims use since July 29, 1942.

Ser. No. 454,800. ETHYL CORPORATION, New York, N. Y. Filed Aug. 8, 1942.

ETHYL GASOLINE — ETHYL BRAND OF ANTIKNOCK COMPOUND — ETHYL CORPORATION

Applicant is the owner of trade-mark registration No. 216,023. No claim is made to the words "Gasoline Brand Antiknock Compound."
FOR MOTOR FUEL OIL.
Claims use since June 15, 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 448,592. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed Nov. 12, 1941.

ALPHA

FOR PAINT REMOVING PREPARATIONS—NAMELY, PAINT REMOVERS.
Claims use since Jan. 1, 1937.

Ser. No. 452,782. BENJAMIN MOORE & CO., Jersey City, N. J., and New York, N. Y. Filed May 4, 1942.

NUWITE

FOR FLAT PAINT IN PASTE AND READY MIXED FORM.
Claims use since Dec. 4, 1907.

Ser. No. 454,009. S. C. JOHNSON & SON, INC., Racine, Wis. Filed July 2, 1942.

JOHNSON'S Cream WAX

Applicant is the owner of Reg. #106,108 for the mark "Johnson's," effected under the 10-year proviso of the 1905 act. Applicant disclaims the words "Cream Wax" apart from the mark.
FOR LIQUID WAX POLISH FOR FINISHING AND COATING FURNITURE AND INTERIOR AND EXTERIOR FINISHED SURFACES.
Claims use since Aug. 1, 1935.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 454,108. UNITED STATES PLYWOOD CORPORATION, New York, N. Y. Filed July 8, 1942.

PLYCYCLE

FOR BICYCLES AND TRICYCLES.
Claims use since July 2, 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 453,057. HERCULES ELECTRIC & MFG. CO., INC., Brooklyn, N. Y. Filed May 16, 1942.

hercules

FOR ELECTRIC ALTERNATING CURRENT WELDING MACHINES, TRANSFORMERS, REACTORS, SOLENOIDS, AND SWITCH GEARS.
Claims use since Jan. 1, 1937.

Ser. No. 453,999. THE ALLIANCE MANUFACTURING COMPANY, Alliance, Ohio. Filed July 2, 1942.

TAMCo

FOR ALTERNATING CURRENT ELECTRICAL MOTORS, DIRECT CURRENT ELECTRICAL MOTORS, ELECTRICAL GENERATORS AND ELECTRICAL DYNAMOTORS.
Claims use since Mar. 1, 1942.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 453,798. GOTHAM SALES CO., INC., Chicago, Ill. Filed June 22, 1942.

WAR BINGO

No claim is made to the word "Bingo" apart from the mark.
FOR GAME PLAYED WITH TWO TO EIGHT BOARDS CONSISTING OF TWENTY-FIVE SQUARES EACH, AND ONE HUNDRED MOVABLE PIECES.
Claims use since June 1, 1942.

Ser. No. 454,550. ZONDINE GAME COMPANY, Los Angeles, Calif. Filed July 27, 1942.

take it or leave it

FOR CHANCE CONTROLLED BOARD GAMES.
Claims use since Jan. 1, 1942.

Ser. No. 454,739. PARKER BROTHERS INC., Portland, Maine, and Salem, Mass. Filed Aug. 5, 1942.

BOMBARDIER

FOR TARGET GAME.
Claims use since July 13, 1942.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 446,292. EDWARD G. HERBERT LIMITED, Manchester, England. Filed Aug. 16, 1941.

RAPIDOR

FOR MACHINE TOOLS—NAMELY, METAL SAWING MACHINES, MILLING MACHINES, LATHES, BORING MILLS, SHAPING MACHINES, PLANING MACHINES, DRILLING MACHINES, GRINDING MACHINES, BUFFING AND POLISHING MACHINES, RIVETING MACHINES, SCREWING MACHINES, TAPPING MACHINES, POWER PRESSES, DIE-CASTING MACHINES, BROACHING MACHINES, LAPPING MACHINES, BAND SAWS, AUTOMATIC SAW SHARPENERS, CUTTING OFF MACHINES, CENTERING MACHINES, BAR CROPPERS, BENDING MACHINES, CIRCULAR SAWING MACHINES, ENGRAVING MACHINES (PANTOGRAPH), JIG SAWING AND FILING MACHINES, KEYWAY CUTTING MACHINES, PUNCHING AND SHEARING MACHINES, SLOTTING MACHINES AND KEYSEATERS; TOOL FOR USE IN MACHINE TOOLS—NAMELY, DIES, LATHE AND PLANING TOOLS, REAMERS, SHAPING AND BORING TOOLS, DRILLS, MILLING CUTTERS AND SAW BLADES (POWER); AND ENGINEERS' HAND TOOLS—NAMELY, SAWS, CHISELS, SCRAPERS, FILES, PLANES, GOUGES, SCRIBING TOOLS, PLIERS, BREAST DRILLS, HAMMERS, SCREW DRIVERS.
Claims use since Aug. 10, 1921.

Ser. No. 454,553. CHAMPION DISH WASHING MACHINE CO., Erie, Pa. Filed July 28, 1942.

CHAMPION

FOR DISH-WASHING MACHINES.
Claims use since January, 1932.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 448,511. ALEXANDER KONO, doing business as The Kono Manufacturing Company, Woodside, N. Y. Filed Nov. 10, 1941.

The representation of a spectacle frame is disclaimed apart from the mark.
FOR EYE-GLASS AND SPECTACLE FRAMES AND PARTS THEREFOR, INCLUDING NOSE-PIECES, TEMPLES AND THE LIKE, OF METAL, SHELL, AND VARIOUS PLASTIC COMPOSITIONS.
Claims use since Apr. 4, 1939.

Ser. No. 451,815. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Mar. 21, 1942.

Kodak

FOR PHOTOGRAPHIC FILMS AND PHOTOGRAPHIC PAPERS IN ROLLS, COILS, SHEETS, OR PACKS, AND WITH OR WITHOUT LATENT OR DEVELOPED IMAGES; PHOTOGRAPHIC CAMERAS; PHOTOGRAPHIC LENSES AND ATTACHMENTS OR ADAPT-

ERS THEREFOR; PHOTOGRAPHIC SCREENS OR FILTERS; PHOTOGRAPHIC SHUTTERS AND SHUTTER ATTACHMENTS; PHOTOGRAPHIC PLATES AND PLATE HOLDERS AND SLIDES THEREFOR; PHOTOGRAPHIC DARKROOM OUTFITS FOR PHOTOGRAPHIC DEVELOPING AND PRINTING; PHOTOGRAPHIC SAFELIGHT SCREENS AND DARKROOM LAMPS; PHOTOGRAPHIC PRINT ROLLERS; PHOTOGRAPHIC MOUNTING PRESSES AND MOUNTING TISSUE; PHOTOGRAPHIC TRIMMING BOARDS; FILM HOLDERS OR CONTAINERS—NAMELY, SPOOLS, FILM REELS, MAGAZINES, CARTRIDGES, AND FILM PACKS; PHOTOGRAHPIC FLUID TREATING APPARATUS—NAMELY, DEVELOPING OR FIXING TANKS, TRAYS OR BOXES; PHOTOGRAPHIC MOUNTS; PHOTOGRAPHIC FILM OR PRINT HOLDING CLIPS; PHOTOGRAPHIC TRIPODS AND TRIPOD ADAPTERS; PHOTOGRAPHIC ENLARGERS, AND PARTS THEREOF, AND/OR ACCESSORIES THEREFOR; ACCESSORY BACKS FOR CAMERAS; PHOTOGRAPHIC PRINTERS, AND PARTS THEREOF AND/OR ACCESSORIES THEREFOR; SHEET FILM DEVELOPING HANGERS; FILM SHEATHS; PRINTING FRAMES; PHOTOGRAPHIC PRINT OR FILM WASHING APPARATUS; FILM PACK ADAPTERS AND SLIDES THEREFOR; MOTION PICTURE TITLERS, AND PARTS THEREOF AND BLANKS AND MASKS THEREFOR; CAMERA MASKS; SAMPLE RECORD OUTFITS; FINDERS FOR PHOTOGRAPHIC APPARATUS OR CAMERAS; RANGE FINDERS AND ADAPTERS THEREFOR; ENLARGEMENT EXPOSURE CALCULATORS; COMBINATION LENS ATTACHMENTS—NAMELY, ADAPTER RINGS, RETAINING RINGS, STEP-UP RINGS AND LENS HOODS; VIEWING ATTACHMENTS FOR SCREENS OR FILTERS; PHOTOGRAPHIC NEGATIVE SPOTTING PANELS; EXPOSURE GUIDES; THERMOMETERS; CABLE RELEASES; FILTER GUIDES; DEVELOPING GUIDES; PROJECTION PRINT SCALES; DISTANCE MEASURING OUTFITS CONSISTING OF CORD AND CARDS ATTACHED THERETO; RUBBER FINGER SHEATHS FOR PHOTOGRAPHIC USE; LANTERN SLIDE KITS, MATERIAL FOR MAKING LANTERN SLIDES—NAMELY, MASKS, GLASS AND BINDING; PAPER HOLDERS OR BOARDS; FILM CLEANING OUTFITS; PRINTING MASKS AND MASK CHARTS; TIPS FOR TRIPOD LEGS; CLIPS FOR FILM ROLLS; STIRRING RODS AND PRINT PADDLES, FILM OR REEL CANS; FILM SPLICING OUTFITS; HYDROMETERS; CAMERA BULBS; FILTER TEST CHARTS; LIGHT BAFFLE FRAMES; FOCUSING CLOTHS OF CLOTH OR RUBBERIZED FABRIC; TUMBLER GRADUATES FOR LIQUIDS; WEIGHING SCALES; FILM AND PLATE DRYING RACKS; DENSITY GUIDES; FILM LOAD INDICATORS; X-RAY INTENSIFYING SCREENS; PHOTOGRAPHIC STEP TABLETS; AND PRINT EMBOSSERS.

Claims use since December, 1887, except as follows: since January, 1904, on photographic enlargers, and parts thereof, and/or accessories therefor; since January, 1909, on accessory backs for cameras; since April, 1915, on photographic printers, and parts thereof and/or accessories therefor; since May, 1922, on sheet film developing hangers and film sheaths; since March, 1923, on printing frames; since January, 1925, on photographic print or film washing apparatus; since January, 1928, on film pack adapters and slides therefor; since July 21, 1931, on motion picture titlers, parts thereof and blanks and masks therefor; since Dec. 4, 1933, on camera masks; since April, 1934, on sample record outfits; since July 10, 1935, on finders for photographic apparatus or cameras and range finders and adapters therefor; since Nov. 20, 1936, on enlargement exposure calculators; since June 7, 1937, on combination lens attachments—namely, adapter rings, retaining rings, step-up rings and lens hoods; since Aug. 2, 1937, on viewing attachments for screens or filters; since Dec. 28, 1937, on photographic negative spotting panels; since Apr. 27, 1938, on exposure guides; since Aug. 17, 1938, on thermometers; since Nov. 15, 1938, on cable releases; since Dec. 5, 1938, on filter guides; since May 18, 1939, on developing guides; since Jan. 13, 1940, on projection print scales; since Sept. 2, 1940, on distance measuring outfits consisting of cord and cards attached thereto; since Oct. 25, 1940, on rubber finger sheaths for photographic use; since Nov. 14, 1940, on lantern slide kits, material for making lantern slides—namely, masks, glass and binding; since Jan. 16, 1941, on paper holders or boards; since Mar. 10, 1941, on film cleaning outfits; since Mar. 11, 1941, on printing masks and mask charts; since Mar. 24, 1941, on tips for tripod legs; since Apr. 4, 1941, for clips for film rolls; since June 17, 1941, on stirring rods and print paddles; since June 27, 1941, on film or reel cans; since July 18, 1941, on film splicing outfits; since Aug. 26, 1941, on hydrometers; since Sept. 8, 1941, on camera bulbs; since Oct. 10, 1941, on filter test charts; since Nov. 11, 1941, on light baffle frames; since Nov. 21, 1941, on focusing cloths of cloth or rubberized fabric; since Dec. 1, 1941, on tumbler graduates for liquids; since Dec. 1, 1941, on weighing scales; since Dec. 1, 1941, on film and plate drying racks; since Dec. 2, 1941, on density guides; since Dec. 3, 1941, on film load indicators; since Dec. 29, 1941, on X-ray intensifying screens; since Jan. 28, 1942, on photographic step tablets; and since Feb. 24, 1942, on print embossers.

Ser. No. 452,715. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed May 1, 1942.

KODASCOPE

FOR MOTION PICTURE PROJECTORS; PROJECTING OUTFITS CONTAINING A PROJECTOR, FILM REELS, AND/OR FILM SPLICING TOOLS; PROJECTION SCREENS; MOTION PICTURE FILM REELS; CLIPS FOR HOLDING MOTION PICTURE FILM ON REELS; MOTION PICTURE FILM CARRYING COMPLETED IMAGES FOR PROJECTION; PROJECTOR CARRYING CASES; FILM CANS; LENSES; FILM HUMIDORS; AND FILM WINDING, RENOVATING, VIEWING, AND/OR SPLICING APPARATUS, AND ACCESSORIES OR PARTS THEREFOR, SUCH AS FILM REWINDS, FILM REWINDING AND SPLICING APPARATUS; FILM SPLICING OUTFITS; FILM VIEWERS; MOVIE VIEWERS FOR MOTION PICTURE FILM; AND FILM EDITING OUTFITS CONTAINING A VIEWER, FILM WINDING AND SPLICING APPARATUS.

Claims use since September, 1923, on projector carrying cases; since Sept. 10, 1923, on motion picture film carrying completed images for projection; since February, 1925, on film cans; since November, 1926, on lenses; since August, 1927, on film humidors; since May, 1926, on film rewinds; since November, 1926, on film rewinding and splicing apparatus; since April, 1928, on film splicing outfits; since Dec. 15, 1932, on film viewers; since July 1, 1938, on movie viewers; since June 3, 1940, on film editing outfits containing a viewer, film winding and splicing apparatus; and since July 1, 1923, on said other goods.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 454,027. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed July 3, 1942.

PROVIDENCE

FOR WATCHES FOR MEN AND LADIES.
Claims use since Nov. 18, 1919.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 441,207. JACQUES KREISLER MANUFACTURING CORPORATION, North Bergen, N. J. Filed Mar. 4, 1941.



The picture is that of the Greek god, Apollo.
FOR BELT BUCKLES, COLLAR CLIPS, CUFF LINKS, WATCH BANDS, BRACELETS, TIE HOLDERS, KEY CHAINS, KNIVES, MONEY CLIPS, STUD SETS, ANKLETS, CHARMS, BROOCHES, CROSSES, EARRINGS, LOCKETS, PENDANTS, PINS, AND WALDEMARS, ALL MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME.
Claims use since May, 1939.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 444,724. BERKLEY MACHINE WORKS & FOUNDRY CO., INC., Norfolk, Va. Filed June 21, 1941.



The words "Berkley-Stoker" are disclaimed apart from the mark.
FOR LOCOMOTIVE STOKERS.
Claims use since Sept. 20, 1938.

Ser. No. 452,395. LOUIS D. HOULIS, Dallas, Tex. Filed Apr. 17, 1942. Under the act of February 20, 1905, as amended June 10, 1938.

MASTER BAKER

FOR BAKING OVENS, MACHINERY, AND EQUIPMENT—NAMELY, REVOLVING TRAY, TRAVELING TRAY, ROTARY HEARTH, DECK AND BRICK OVENS, BAKERY FERMENTATION ROOMS, PROOF BOXES, BREAD COOLERS, AND STEAM BOILERS.
Claims use since Oct. 1, 1927.

Ser. No. 454,294. MAJESTIC MANUFACTURING COMPANY, St. Louis, Mo. Filed July 17, 1942.

KOUNTER KING

FOR COUNTER APPLIANCES—NAMELY, GRIDDLES AND HOT PLATES USING EITHER GAS OR ELECTRICITY AS A FUEL.
Claims use since Aug. 26, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 454,611. PHILCO CORPORATION, Philadelphia, Pa. Filed July 30, 1942.

PHILCO

FOR COMPRESSOR BELTS.
Claims use since 1938.

Ser. No. 454,911. KOPPERS COMPANY, Pittsburgh, Pa. Filed Aug. 14, 1942.

Acroflat

FOR PISTON RINGS.
Claims use since June 20, 1942.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 453,556. PERMO PRODUCTS CORPORATION, Chicago, Ill. Filed June 8, 1942.

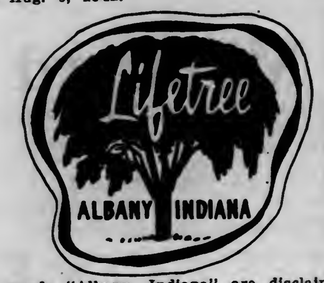
PERMIUM

FOR NON-CORROSIVE AND WEAR-RESISTING PHONOGRAPH STYLI.
Claims use since June 4, 1942.

CLASS 37

PAPER AND STATIONERY

Ser. No. 454,758. LIFETREE COMPANY, Albany, Ind. Filed Aug. 6, 1942.



The words "Albany, Indiana" are disclaimed apart from the mark.
FOR SETS OF CARDS TO BE USED FOR KEEPING FAMILY RECORDS.
Claims use since July 16, 1942.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 435,111. ANTHONY COMPANY, Streator, Ill. Filed Aug. 19, 1940.

RILEY WATERS

The name "Riley Waters" is the name of a fictitious character appearing from time to time in applicant's cartoons.
FOR CARTOONS, SKETCHES, AND DRAWINGS.
Claims use since June 1, 1940.

Ser. No. 444,792. FRANCIS J. GREENFELDER, West New York, N. J. Filed June 24, 1941.

P.D.Q.

FOR RACING ARTICLES AND COMMENT APPEARING IN NEWSPAPERS AND PERIODICALS, AND FOR ARTICLES RELATING TO RACING INFORMATION AND SELECTIONS PUBLISHED FROM TIME TO TIME IN NEWSPAPERS AND OTHER PERIODICALS.
Claims use since June 1, 1940.

Ser. No. 445,070. THE RYAN ART COMPANY, Chicago, Ill. Filed July 3, 1941.

Rynart

FOR GREETING CARDS.
Claims use since January, 1939.

Ser. No. 453,374. VITA-TAG COMPANY, Oklahoma City, Okla. Filed May 29, 1942.

VITA-TAG
INDEX TO VITAMINS

Applicant disclaims the use of the words "Tag" and "Index to Vitamins" apart from the mark.
FOR PRINTED MATTER—NAMELY, PRINTED PRICE TAGS AND ADVERTISING MARKERS READY FOR USE AND SOLD TO THE TRADE AS SUCH.
Claims use since May 4, 1942.

Ser. No. 454,565. WLW PROMOTIONS, INC., Cincinnati, Ohio. Filed July 28, 1942.

MiniCard

No claim is made to the word "Card" except as shown.
FOR CAR CARDS.
Claims use since July 15, 1942.

Ser. No. 454,573. CARNEGIE-ILLINOIS STEEL CORPORATION, Pittsburgh, Pa. Filed July 29, 1942.

THE SCORE

FOR MONTHLY MAGAZINE.
Claims use since June 1, 1942.

Ser. No. 454,690. JACK & HEINTZ, INC., Bedford, Ohio. Filed Aug. 3, 1942.

THE JAHCo NEWS
LABOR AND MANAGEMENT ASSOCIATES IN PROGRESS THRU CO-OPERATION

The word "News" is disclaimed apart from the mark.
FOR HOUSE ORGAN DEVOTED TO A REVIEW OF COMPANY AND GENERAL NEWS; A PUBLICATION PUBLISHED MONTHLY.
Claims use since Nov. 7, 1941.

Ser. No. 454,736. NORCROSS, New York, N. Y. Filed Aug. 5, 1942.

FEATHER HEAD

FOR GREETING CARDS.
Claims use since July 23, 1942.

Ser. No. 454,850. M. CHARLES GAINES, New York, N. Y. Filed Aug. 11, 1942.

Wonder Women of history

No claim is made to the words "Women of History" except as shown.
FOR CARTOONS PUBLISHED IN A SERIES, CONSISTING OF ILLUSTRATED ARTICLES AND PICTURE STRIPS PUBLISHED IN MAGAZINES.
Claims use since July 22, 1942.

CLASS 39

CLOTHING

Ser. No. 442,511. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed Apr. 12, 1941.

Petite Madame

FOR WOMEN'S UNDERWEAR, CORSETS, NEGLIGEES, AND DRESSES.
Claims use since Oct. 1, 1940.

Ser. No. 450,821. SEYMOUR TROY, New York, N. Y. Filed Feb. 6, 1942.

Seymour Troy Originals

"Seymour Troy" is a facsimile signature of the applicant. Applicant disclaims the word "Originals" apart from the mark.
FOR SHOES MADE OF LEATHER, FABRICS, RUBBER, AND COMBINATIONS THEREOF.
Claims use since Sept. 1, 1941.

Ser. No. 453,970. WELLS LAMONT SMITH CORPORATION, Chicago, Ill. Filed June 30, 1942.

LUMBERJACK

FOR WORK GLOVES.
Claims use since Feb. 5, 1934.

Ser. No. 454,040. GERALD FRANK MILLER, Dallas, Tex. Filed July 3, 1942.

CLOCK-WISE

FOR WOMEN'S AND JUNIORS' SLACK SUITS, WOMEN'S AND JUNIORS' PLAY SUITS, WOMEN'S AND JUNIORS' SHORT SPORT JACKETS, WOMEN'S AND JUNIORS' TAILORED SKIRTS AND DRESSES AND JACKET SETS.
Claims use since May 1, 1942.

Ser. No. 454,681. ADAM HAT STORES, INC., New York, N. Y. Filed Aug. 3, 1942.

PANAWEVE

FOR MEN'S HATS.
Claims use since Apr. 29, 1942.

Ser. No. 454,742. SIMON MILLINERY CO., San Francisco, Calif. Filed Aug. 5, 1942.

BROAD CLOTH BCF FELT

Applicant disclaims the words "Broad Cloth Felt" apart from the mark.
FOR LADIES' HATS.
Claims use since Jan. 15, 1941.

Ser. No. 454,858. PHILIP SHLANSKY & BRO. INC., New York, N. Y. Filed Aug. 11. 1942.



FOR WOMEN'S, MISSES', AND GIRLS' COATS.
Claims use since July 1, 1942.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 453,941. MILTON B. HARTMAN, doing business under the name Milton B. Hartman Company, New York, N. Y. Filed June 29, 1942.



FOR TEXTILE FABRICS IN THE PIECE OF RAYON, COTTON, AND SYNTHETIC YARNS OR MIXTURES THEREOF.
Claims use since April, 1942.

Ser. No. 454,816. UNITED NETS CORPORATION, New York, N. Y. Filed Aug. 8, 1942.

Permouselle

FOR TEXTILE FABRICS IN THE PIECE MADE OF SILK, WOOL, COTTON, RAYON, NYLON, AND MIXTURES THEREOF.
Claims use since October, 1936.

CLASS 43

THREAD AND YARN

Ser. No. 454,820. AMERICAN ENKA CORPORATION, Enka, N. C. Filed Aug. 10, 1942.

VITALA

FOR RAYON YARNS.
Claims use since June 16, 1942.

Ser. No. 454,843. AMERICAN VISCOSE CORPORATION, Wilmington, Del. Filed Aug. 11, 1942.

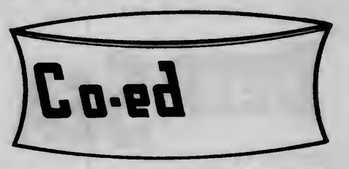
CRIMPTON

FOR YARNS, THREADS, AND YARN AND THREAD FILAMENTS.
Claims use since July 17, 1942.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 451,724. PETER J. MCGETTRICK, Long Island City, N. Y. Filed Mar. 18, 1942.



FOR SOFT DRINK AND SYRUP EXTRACTS.
Claims use since Mar. 6, 1942.

Ser. No. 454,493. HUGUETTE J. AKOUN, New York, N. Y. Filed July 25, 1942.

THREE FATHERS

FATHER OF AMERICA
FATHER OF LIBERTY
FATHER OF FREEDOM

Applicant disclaims the expression "America" apart from the mark.
FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND EXTRACTS FOR MAKING SAME.
Claims use since July 25, 1942.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 444,006. LUIS MAGNASCO & CIA. LTDA. MANTEQUERIA MODELO SOC. ANONIMA, Buenos Aires, Argentina. Filed May 28, 1941.



FOR FOODS AND INGREDIENTS OF FOODS SPECIFICALLY BUTTER AND CHEESE.
Claims use since Jan. 8, 1940.

Ser. No. 444,165. STRATHMORE DISTRICT ORANGE ASSOCIATION, Strathmore, Calif. Filed June 3, 1941.

HIAWATHA

FOR FRESH CITRUS FRUITS.
Claims use since November, 1905.

Ser. No. 452,786. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed May 4, 1942.

WISE BUY

FOR FEEDS FOR LIVESTOCK AND FOWLS.
Claims use since Mar. 16, 1942.

Ser. No. 453,401. RED SALMON CANNING CO., San Francisco, Calif. Filed June 1, 1942. Under 10-year proviso.

DEEP SEA

FOR CANNED FISH.
Claims use since January, 1895.

Ser. No. 453,455. GREEN MOUNTAIN PACKING CO., INC., sometimes doing business as Green Mountain Packing Co., St. Albans, Vt. Filed June 4, 1942. Under 10-year proviso.

GREEN MOUNTAIN

FOR CANNED VEGETABLES AND CANNED FRUITS.
Claims use since August, 1894.

Ser. No. 454,200. PRODUCERS CREAMERY COMPANY, Springfield, Mo. Filed July 13, 1942.

DARICRAFT

FOR EVAPORATED MILK.
Claims use since May 18, 1942.

Ser. No. 454,229. HOLLAND-COLOMBO TRADING SOCIETY, INC., Dover, Del., and New York, N. Y. Filed July 15, 1942.

H.C.T.S.

FOR TEA, SPICES, DESICCATED COCOANUT, TAPIOCA, TAPIOCA FLOUR AND MANDIOCA FLOUR.
Claims use since Nov. 16, 1940.

Ser. No. 454,231. HOLLAND-COLOMBO TRADING SOCIETY, INC., Dover, Del., and New York, N. Y. Filed July 15, 1942.

HOLCO

FOR TEA, SPICES, DESICCATED COCOANUT, TAPIOCA, TAPIOCA FLOUR AND MANDIOCA FLOUR.
Claims use since Nov. 16, 1940.

Ser. No. 454,287. FLORIDA GRAPEFRUIT CANNING COMPANY, INC., Bradenton, Fla. Filed July 17, 1942.

FLORIANA

Applicant is the owner of Trade-Mark Registration No. 262,137.
FOR CANNED FRUITS, VEGETABLES, AND FRUIT JUICES FOR FOOD PURPOSES.
Claims use since June, 1929.

Ser. No. 454,298. GEORGE WILLIAMSON, JR., Jacksonville, Tex. Filed July 17, 1942.

Nifty

The drawing is lined for shading only.
FOR FRESH TOMATOES, GRAPEFRUIT, ORANGES, ONIONS, PEACHES, AND CARROTS.
Claims use since June 1, 1942.

Ser. No. 454,778. J. S. MCMANUS, doing business as J. S. McManus Produce Company, Weslaco, Tex. Filed Aug. 7, 1942.



FOR FRESH VEGETABLES.
Claims use since November, 1937.

Ser. No. 454,861. R. H. VERITY, SONS AND CO., Corona, Calif. Filed Aug. 11, 1942.

PASSPORT

FOR FRESH CITRUS FRUITS.
Claims use since July 28, 1942.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 449,905. CHARLES JACQUIN ET CIE, INC., Philadelphia, Pa. Filed Dec. 31, 1941.

FORBIDDEN FRUIT

FOR LIQUEUR OR CORDIAL.
Claims use since 1904.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 6, 1942

397,993. TOILETRIES—NAMELY, ASTRINGENTS, ASTRINGENT CERATES, BEAUTY CREAMS, COLD CREAMS, ETC. WILLARD D. YORK, Rolling Hills, Calif.
Filed February 6, 1939. Serial No. 415,681. PUBLISHED MAY 2, 1939. Class 6.

397,994. LIQUID WAX POLISH. H. PETE MILLS, doing business as Eze-Glos Co., Cincinnati, Ohio.
Filed September 25, 1939. Serial No. 423,920. PUBLISHED JUNE 4, 1940. Class 16.

397,995. CARBON PAPERS AND TYPEWRITER RIBBONS. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y.
Filed October 29, 1940. Serial No. 437,388. PUBLISHED JULY 28, 1942. Class 11.

397,996. CHILDREN'S TRAINING COMMODE PADS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed November 29, 1940. Serial No. 438,341. PUBLISHED JULY 28, 1942. Class 50.

397,997. DRAFT GAUGES AND RECORDERS, COMBUSTION CONTROLLERS, AND COMBUSTION CONTROLLING APPARATUS, ETC. THE HAYS CORPORATION, Michigan City, Ind.
Filed November 30, 1940. Serial No. 438,391. PUBLISHED JULY 28, 1942. Class 26.

397,998. REFRIGERATED DISPLAY CASES AND REFRIGERATORS FOR THE PRESERVATION OF FOODSTUFFS. VIKING REFRIGERATORS, INC., Kansas City, Mo.
Filed January 9, 1941. Serial No. 439,527. PUBLISHED JULY 28, 1942. Class 31.

397,999. ASPIRIN TABLETS. OSCAR C. W. BORG, Long Beach, Calif.
Filed January 21, 1941. Serial No. 439,798. PUBLISHED MAY 27, 1941. Class 6.

398,000. PRESERVATIVE COMPOUND FOR LEATHER GOODS, WATERPROOFING COMPOUND FOR LEATHER GOODS, WAX WATERPROOFING COMPOUND FOR LEATHER GOODS, LEATHER DRESSING COMPOUNDS, LEATHER POLISH. OME DAIBER, Seattle, Wash.
Filed February 12, 1941. Serial No. 440,583. PUBLISHED JULY 21, 1942. Class 4.

398,001. DRUMS. W F L DRUM CO., Chicago, Ill.
Filed March 27, 1941. Serial No. 442,004. PUBLISHED JULY 28, 1942. Class 36.

398,002. COMPLETE STEAM GENERATING UNITS, STEAM BOILERS, AIR HEATERS, STOKERS, WATER COOLED FURNACES, ETC. THE BABCOCK & WILCOX COMPANY, New York, N. Y.
Filed April 17, 1941. Serial No. 442,647. PUBLISHED JULY 28, 1942. Class 34.

398,003. COATING COMPOSITIONS—NAMELY, PAINTS, VARNISH, PAINT ENAMELS, PAINTERS' SIZE, PAINTERS' WALL SIZE, AND WATERPROOFING PAINTS, IN DRY, PASTE, AND READY-MIXED LIQUID FORM. THE REARDON COMPANY, St. Louis, Mo.
Filed April 21, 1941. Serial No. 442,801. PUBLISHED JULY 28, 1942. Class 16.

398,004. VASOCONSTRICTOR. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed May 14, 1941. Serial No. 443,583. PUBLISHED JULY 14, 1942. Class 6.

398,005. COMPLETELY PRINTED INDEXES FOR BOOKS AND PROFESSIONAL DIRECTORIES. GEORGE H. BLOOM, New York, N. Y.
Filed June 2, 1941. Serial No. 444,116. PUBLISHED JULY 21, 1942. Class 38.

398,006. MEDICINAL PREPARATIONS FOR THE TREATMENT OF HYPERACIDITY IN THE FORM OF LOZENGES AND CANDY-LIKE BODIES. VITAMINT CORPORATION, Boston, Mass.
Filed July 14, 1941. Serial No. 445,347. PUBLISHED JULY 7, 1942. Class 6.

398,007. ELECTRIC VACUUM CLEANERS AND PARTS THEREOF. ELECTRIC VACUUM CLEANER COMPANY, INC., Cleveland, Ohio.
Filed August 9, 1941. Serial No. 446,104. PUBLISHED JULY 28, 1942. Class 21.

398,008. PARASITICIDES. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed August 19, 1941. Serial No. 446,353. PUBLISHED NOVEMBER 11, 1941. Class 6.

398,009. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, TALCUM POWDERS, ROUGES. LILLY DACHE, INC., New York, N. Y.
Filed August 29, 1941. Serial No. 446,650. PUBLISHED JANUARY 6, 1942. Class 6.

398,010. PARASITICIDES. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed September 2, 1941. Serial No. 446,730. PUBLISHED OCTOBER 14, 1941. Class 6.

398,011. PARASITICIDES. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed September 12, 1941. Serial No. 446,987. PUBLISHED OCTOBER 28, 1941. Class 6.

398,012. COMPOUND FOR POLISHING AND CLEANING AN AUTOMOBILE. SURFACEAL INC., Providence, R. I.
Filed October 9, 1941. Serial No. 447,647. PUBLISHED JULY 28, 1942. Class 16.

398,013. ELECTRICAL ANNUNCIATORS USED FOR INDICATING THE ARRIVAL OF VEHICLES. EMERSON L. SOLAND, Minneapolis, Minn.
Filed October 16, 1941. Serial No. 447,852. PUBLISHED JULY 28, 1942. Class 21.

398,014. NON-CORROSIVE AND WEAR-RESISTING ALLOYS OF THE PLATINUM GROUP METALS OR PLATINUM GROUP METALS IN COMBINATION WITH COBALT, TUNGSTEN, NICKEL, OR THE LIKE. PERMO PRODUCTS CORPORATION, Chicago, Ill.
Filed October 30, 1941. Serial No. 448,264. PUBLISHED JULY 28, 1942. Class 14.

398,015. PRINTING INKS AND INKING ROLLERS OF ALL KINDS USED IN THE PRINTING TRADE; PRINTERS' ROLLER COMPOSITIONS AND THE LIKE INKING MATERIALS. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn.
Filed December 3, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 449,137. PUBLISHED JULY 28, 1942. Class 11.

398,016. AUTOGRAPH PAPER, BILL HEADS, BLANK BOOKS, BLOTTING PAPER, BLUEPRINT PAPER, ETC. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn.
Filed December 3, 1941. Under the act of February 20, 1905, as amended June 10, 1038. Serial No. 449,138. PUBLISHED JULY 28, 1942. Class 37.

398,017. ALMANACS, ANNUAL PUBLICATIONS, BOOK SERIES, CALENDARS, CARTOONS, CATALOGUES, DAILY NEWSPAPERS, ETC. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn.
Filed December 3, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 449,139. PUBLISHED JULY 28, 1942. Class 38.

398,018. AUTOGRAPH PAPER, BILL HEADS, BLANK BOOKS, BLOTTING PAPER, BLUEPRINT PAPER, ETC. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn.
Filed December 3, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 449,140. PUBLISHED JULY 28, 1942. Class 37.

398,019. ALMANACS, ANNUAL PUBLICATIONS, BOOK SERIES, CALENDARS, CARTOONS, CATALOGUES, DAILY NEWSPAPERS, ETC. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn.
Filed December 3, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 449,141. PUBLISHED JULY 28, 1942. Class 38.

398,020. AUTOGRAPH PAPER, BILL HEADS, BLANK BOOKS, BLOTTING PAPER, BLUEPRINT PAPER, ETC. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn.
Filed December 3, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 449,142. PUBLISHED JULY 28, 1942. Class 37.

398,021. ALMANACS, ANNUAL PUBLICATIONS, BOOK SERIES, CALENDARS, CARTOONS, CATALOGUES, DAILY NEWSPAPERS, ETC. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn.
Filed December 3, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 449,143. PUBLISHED JULY 28, 1942. Class 38.

398,022. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, ETC. LILLY DACHE, INC., New York, N. Y.
Filed December 4, 1941. Serial No. 449,170. PUBLISHED JANUARY 13, 1942. Class 6.

398,023. ENAMEL PAINT WATER PROOFING AND PROTECTIVE COATING FOR CONCRETE, STEEL, WOOD, PLASTER, MASONRY, AND METAL SURFACES IN GENERAL. INERTOL COMPANY, INC., New York, N. Y.
Filed December 5, 1941. Serial No. 449,207. PUBLISHED JULY 28, 1942. Class 16.

398,024. MALT BEVERAGES—NAMELY, ALE AND BEER. RED TOP BREWING COMPANY, Cincinnati, Ohio.
Filed December 16, 1941. Serial No. 449,530. PUBLISHED FEBRUARY 24, 1942. Class 48.

398,025. CANDLES. WILL & BAUMER CANDLE CO., INC., Syracuse, N. Y.
Filed December 17, 1941. Serial No. 449,563. PUBLISHED JULY 28, 1942. Class 15.

398,026. LIQUID GASES, SUCH AS BUTANE, PENTANE, AND METHANE. FRANK J. DECHANT, doing business as Natrural Gas Company, Denver, Colo.
Filed December 18, 1941. Serial No. 449,568. PUBLISHED JULY 14, 1942. Class 6.

398,027. WRIST WATCH BRACELETS, WATCH CHAINS, CUFF LINKS, KEY CHAINS, TIE HOLDERS, SHIRT STUDS, AND ORNAMENTS MADE OF OR PLATED WITH PRECIOUS METAL. FORSTNER CHAIN CORPORATION, Irvington, N. J.
Filed December 18, 1941. Serial No. 449,572. PUBLISHED JULY 28, 1942. Class 28.

398,028. SCREEN PROCESS PRINTING KITS CONTAINING SCREEN FRAMES, INK, AND SQUEEGEE. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed December 22, 1941. Serial No. 449,666. PUBLISHED JULY 28, 1942. Class 50.

398,029. CANDY. BANNER CANDY MFG. CORP., Brooklyn, N. Y.
Filed December 29, 1941. Serial No. 449,820. PUBLISHED JULY 28, 1942. Class 46.

398,030. WATER COLOR PAINT SETS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed January 2, 1942. Under section 5b of the act of 1905, as amended in 1920. Serial No. 449,949. PUBLISHED JULY 28, 1942. Class 16.

398,031. WAX NIGHT LAMPS. CHARLES LIPARI, Brooklyn, N. Y.
Filed January 7, 1942. Serial No. 450,051. PUBLISHED JULY 28, 1942. Class 34.

398,032. CABINETS DESIGNED FOR USE IN KITCHENS, PANTRIES, AND LAUNDRIES. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed January 21, 1942. Serial No. 450,358. PUBLISHED JULY 28, 1942. Class 32.

398,033. ELECTRIC SWITCHES. VICTORY SWITCH CO., Los Angeles, Calif.
Filed January 23, 1942. Serial No. 450,434. PUBLISHED APRIL 14, 1942. Class 21.

398,034. COUPON BOOKS. FACT-FINDERS INSTITUTE, Philadelphia, Pa.
Filed January 26, 1942. Serial No. 450,526. PUBLISHED JULY 21, 1942. Class 38.

398,035. SHOE FITTING DEVICES PARTICULARLY DIRECTED TO CORRECTING AND MEASURING THE ARCH OF A FOOT. C. S. PIERCE COMPANY, Brockton, Mass.
Filed February 12, 1942. Serial No. 450,919. PUBLISHED JULY 28, 1942. Class 26.

398,036. PERFUME, TOILET WATER, EAU DE COLOGNE, FACE POWDER, LIPSTICK, ROUGE, LOTIONS FOR THE FACE, HANDS, AND HAIR, CREAMS FOR THE FACE AND HANDS. A. BRESLAUER CO., New York, N. Y.
Filed February 17, 1942. Serial No. 451,028. PUBLISHED JULY 21, 1942. Class 6.

398,037. FINGER RINGS, BRACELETS, BROOCHES, NECKLACES, AND EARRINGS NOT INCLUDING WATCHES. UNCAS MANUFACTURING COMPANY, Providence, R. I.
Filed March 27, 1942. Serial No. 451,947. PUBLISHED JULY 28, 1942. Class 28.

398,038. FRESH CITRUS FRUIT. TEAGUE-MCKEVETT ASSOCIATION, Santa Paula, Calif.
Filed March 30, 1942. Serial No. 452,030. PUBLISHED JULY 28, 1942. Class 46.

398,039. PIGMENTS USED IN THE MANUFACTURE OF PAINT. REICHARD-COULSTON, INC., New York, N. Y.
Filed April 11, 1942. Serial No. 452,295. PUBLISHED JULY 28, 1942. Class 16.

398,040. CLEANER AND BUG REMOVER FOR WINDSHIELDS, A CLEANER FOR CHROME AND OTHER PLATED METALS AND BRIGHT METALS, AND MIRRORS. GOODELL-VARNER-CHEMICAL CO. (NOT INC.), Rock Island, Ill.
Filed April 15, 1942. Serial No. 452,348. PUBLISHED JULY 28, 1942. Class 4.

398,041. CARPETS AND RUGS. ARTLOOM CORPORATION, Philadelphia, Pa.
Filed April 15, 1942. Serial No. 452,367. PUBLISHED JULY 21, 1942. Class 42.

398,042. NASAL INHALANT AND A RUBBING OIL. PATRICK EARL DEVINE, doing business as Devine's Remedies, Chicago, Ill.
Filed April 18, 1942. Serial No. 452,416. PUBLISHED JULY 7, 1942. Class 6.

398,043. PRINTED GAME CARDS AND CHARTS, THE GAME BEING PLAYED BY PIECES MOVABLE INTO DIFFERENT BOXES ON THE CARDS IN ORDER TO SCORE ACCORDING TO RATINGS ON THE CHARTS FOR THE VITAMIN CONTENT OF DIFFERENT FOODS. VITA-MIN-GO, INC., New York, N. Y.
Filed April 23, 1942. Serial No. 452,548. PUBLISHED JULY 28, 1942. Class 22.

398,044. COVER PAPER. MILTON PAPER COMPANY, INC., New York, N. Y.
Filed April 24, 1942. Serial No. 452,562. PUBLISHED JULY 28, 1942. Class 37.

398,045. LIQUID AND POWDERED SOAPS. THE THEON COMPANY, INC., New York, N. Y.
Filed April 25, 1942. Serial No. 452,589. PUBLISHED JULY 21, 1942. Class 4.

398,046. CANNED FISH—NAMELY, CANNED SARDINES. FARMELLA FOOD PRODUCTS CORPORATION, New York, N. Y.
Filed April 27, 1942. Serial No. 452,606. PUBLISHED JULY 28, 1942. Class 46.

398,047. WHITE SHOE POLISH. IRVING STERNBERG, doing business as Frenchee Chemical Co., Richmond Hill, N. Y.
Filed April 27, 1942. Serial No. 452,624. PUBLISHED JULY 21, 1942. Class 4.

398,048. TRAVELING BAGS. CHAS. T. WILT COMPANY, Chicago, Ill.
Filed May 4, 1942. Serial No. 452,796. PUBLISHED JULY 28, 1942. Class 3.

398,049. BUST FORMS OF FOAM RUBBER FOR USE IN BRASSIÈRES. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed May 6, 1942. Serial No. 452,843. PUBLISHED JULY 28, 1942. Class 40.

398,050. READY MIXED PAINT. SAMUEL CABOT, INC., Boston, Mass.
Filed May 7, 1942. Serial No. 452,849. PUBLISHED JULY 28, 1942. Class 16.

398,051. BATHROOM CLEANSING TISSUE, TOILET PAPER, AND FACIAL TISSUE. CROWN ZELLERBACH CORPORATION, San Francisco, Calif.
Filed May 7, 1942. Serial No. 452,850. PUBLISHED JULY 28, 1942. Class 37.

398,052. GROUP OF COMPOUNDS REPRESENTING COMBINATIONS OF POLYAMINES WITH SYNTHETIC LIQUID PLASTICIZERS PROTECTING THE COLOR OF ALL-ACETATE AND ACETATE-MIXED FABRICS, ETC. LATAN CHEMICALS INCORPORATED, North Hackensack, N. J.
Filed May 7, 1942. Serial No. 452,862. PUBLISHED JULY 21, 1942. Class 6.

398,053. COMIC MAGAZINE. U. S. A. COMIC MAGAZINE CORP., New York, N. Y.
Filed May 7, 1942. Serial No. 452,877. PUBLISHED JULY 21, 1942. Class 38.

398,054. COMPOUNDS FOR COUGHS DUE TO COLDS. FOLEY & COMPANY, Chicago, Ill.
Filed May 8, 1942. Serial No. 452,889. PUBLISHED JULY 7, 1942. Class 6.

398,055. CHOCOLATE BASE FOOD SUPPLEMENT CONTAINING VITAMINS AND CALCIUM. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed May 9, 1942. Serial No. 452,904. PUBLISHED JULY 28, 1942. Class 46.

398,056. MEDICINAL PREPARATION CONTAINING A MIXTURE OF VITAMINS. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed May 9, 1942. Serial No. 452,905. PUBLISHED JULY 7, 1942. Class 6.

398,057. COMPOUNDS USED AS VULCANIZATION ACCELERATORS IN THE CURING OF RUBBER ARTICLES. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed May 12, 1942. Serial No. 452,964. PUBLISHED JULY 7, 1942. Class 6.

398,058. COMPOUNDS USED AS VULCANIZATION ACCELERATORS IN THE CURING OF RUBBER ARTICLES. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed May 12, 1942. Serial No. 452,965. PUBLISHED JULY 7, 1942. Class 6.

398,059. COMPOUNDS USED AS VULCANIZATION ACCELERATORS IN THE CURING OF RUBBER ARTICLES. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed May 12, 1942. Serial No. 452,966. PUBLISHED JULY 7, 1942. Class 6.

398,060. COMPOSITIONS EMPLOYED IN THE TREATMENT OF RUBBER FOR PLASTICIZING AND SOFTENING THE RUBBER. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed May 12, 1942. Serial No. 452,967. PUBLISHED JULY 7, 1942. Class 6.

398,061. LIQUID INSULATION FOR ELECTRICAL PURPOSES. PIB INCORPORATED, New York, N. Y.
Filed May 14, 1942. Serial No. 453,014. PUBLISHED JULY 28, 1942. Class 21.

398,062. TEST DIAL INDICATORS. THE MICRO-MASTER COMPANY, Chicago, Ill.
Filed May 16, 1942. Serial No. 453,060. PUBLISHED JULY 28, 1942. Class 26.

398,063. HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed May 16, 1942. Serial No. 453,069. PUBLISHED JULY 28, 1942. Class 39.

398,064. MUSICAL INSTRUMENTS—NAMELY, CORNETS, TRUMPETS, TROMBONES, FRENCH HORNS, ALTOS, MELLOPHONES, WOOD CLARINETS, SILVER CLARINETS, AND SAXOPHONES. JEAN ANTHONY GREIF, Lewiston, Idaho.
Filed May 18, 1942. Serial No. 453,079. PUBLISHED JULY 28, 1942. Class 36.

398,065. PASTRY FLOUR. LOBLAW GROCETERIAS, INC., Buffalo, N. Y.
Filed May 18, 1942. Serial No. 453,085. PUBLISHED JULY 28, 1942. Class 46.

398,066. CONCRETE OR CAST STONE LAUNDRY TRAYS. WASHINGTON WILBERT VAULT WORKS, INC., Rockville, Md.
Filed May 23, 1942. Serial No. 453,225. PUBLISHED JULY 28, 1942. Class 2.

398,067. LADIES' HATS. WALTER NELKIN, doing business as Frances-Walter Nelkin Co., New York, N. Y.
Filed May 25, 1942. Serial No. 453,251. PUBLISHED JULY 28, 1942. Class 39.

398,068. SWEATERS, APRONS, CHILDREN'S DRESSES, HANDKERCHIEFS. ASHTON B. COLLINS, doing business as Reddy Kilowatt Service, Birmingham, Ala.
Filed May 27, 1942. Serial No. 453,294. PUBLISHED JULY 28, 1942. Class 39.

398,069. SULPHATE WOOD TURPENTINE. GUIGNON & GREEN, INC., New York, N. Y.
Filed May 27, 1942. Serial No. 453,296. PUBLISHED JULY 28, 1942. Class 16.

398,070. NECKTIES, SCARFS, CRAVATS, REEFERS, HANDKERCHIEFS, AND HOSIERY. B. W. MAYER, LTD., Poughkeepsie, N. Y.
Filed May 27, 1942. Serial No. 453,306. PUBLISHED JULY 28, 1942. Class 39.

398,071. IONIZATION TUBES, GAUGES, AND AMPLIFIERS; PIRANI TUBES AND GAUGES AND MOUNTS THEREFOR; LENS COATING OUTFITS, AND THERMOCOUPLE METERS. DISTILLATION PRODUCTS, INC., Rochester, N. Y.
Filed June 3, 1942. Serial No. 453,436. PUBLISHED JULY 28, 1942. Class 26.

398,072. FLEXIBLE PLASTIC TUBES, AND SYRINGES FOR USE IN THE EMBALMING PROFESSION. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn.
Filed June 3, 1942. Serial No. 453,438. PUBLISHED JULY 28, 1942. Class 44.

398,073. PICTORIAL FEATURE PUBLISHED IN A CONTINUING SERIES IN A PAPER OR MAGAZINE. NATIONAL CONFERENCE OF CHRISTIANS AND JEWS, New York, N. Y.
Filed June 4, 1942. Serial No. 453,462. PUBLISHED JULY 28, 1942. Class 38.

398,074. CARDBOARD BOXES LAMINATED WITH A FINE GRADE OF PAPER TO TAKE FINE PRINTING AND ART WORK, SOLD IN TRADE EMPTY. PAPER PACKAGE COMPANY, Indianapolis, Ind.
Filed June 4, 1942. Serial No. 453,464. PUBLISHED JULY 28, 1942. Class 2.

398,075. CHEMICAL ADJUVANTS FOR LACQUERS, SHELLACS, NITROCELLULOSE SOLUTIONS, AND OTHER COATING COMPOSITIONS, PARTICULARLY ADJUVANTS FOR PREVENTING DETERIORATION OF SUCH COATING COMPOSITIONS ON STANDING. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed June 5, 1942. Serial No. 453,496. PUBLISHED JULY 21, 1942. Class 6.

398,076. FRICTIONAL ELEMENTS FOR BRAKES—NAMELY, BRAKE LININGS, CLUTCH FACINGS, AND BRAKE BLOCKS FOR AUTOMOTIVE AND INDUSTRIAL USES. ALGER ROBERT FRIBERG, Beverly Hills, Calif.
Filed June 12, 1942. Serial No. 453,618. PUBLISHED JULY 28, 1942. Class 35.

398,077. AIRPLANES AND STRUCTURAL PARTS THEREOF. BELL AIRCRAFT CORPORATION, Buffalo, N. Y.
Filed June 15, 1942. Serial No. 453,658. PUBLISHED JULY 28, 1942. Class 19.

398,078. ROCK WOOL FOR INSULATION PURPOSES, STORM WINDOWS, COMBINATION SCREEN AND STORM WINDOWS, JALOUSIES, AND AWNINGS OF METAL, PARTICULARLY VENETIAN AWNINGS FOR OUTSIDE USE. THE F. C. RUSSELL COMPANY, Cleveland, Ohio.
Filed June 15, 1942. Serial No. 453,683. Class 12.

398,079. COMBINATION SCREEN AND STORM WINDOWS. THE F. C. RUSSELL COMPANY, Cleveland, Ohio.
Filed June 15, 1942. Serial No. 453,684. Class 12.

398,080. OPTICAL FRAMES. WARD MANUFACTURING CO., INC., North Arlington, N. J.
Filed June 15, 1942. Serial No. 453,686. PUBLISHED JULY 28, 1942. Class 26.

398,081. LAUNDRY STARCH. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y.
Filed February 19, 1942. Serial No. 451,064. PUBLISHED APRIL 28, 1942. Class 6.

398,082. FARM PRODUCTS OF FOOD—NAMELY, CORN MEAL. FALROSE FARM, Carters Bridge, Va.
Filed February 19, 1942. Serial No. 451,077. PUBLISHED JULY 28, 1942. Class 46.

398,083. PUBLICATION PUBLISHED ANNUALLY OR OFTENER. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed February 21, 1942. Serial No. 451,136. PUBLISHED JULY 21, 1942. Class 38.

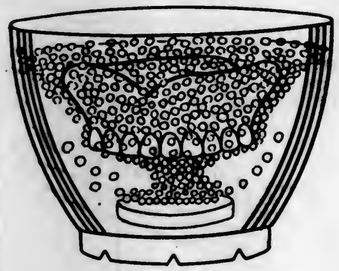
398,084. MEAT CURES. KADIEM, INCORPORATED, North Arlington, N. J., and New York, N. Y.
Filed March 7, 1942. Serial No. 451,468. PUBLISHED JULY 7, 1942. Class 6.

398,085. MEN'S NECKTIES. CUTTER-CROSSETTE CO., Chicago, Ill.
Filed March 9, 1942. Serial No. 451,488. PUBLISHED JULY 28, 1942. Class 39.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

398,086. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HOPE, INC., New York, N. Y. Filed July 5, 1940. Serial No. 433,713.



FOR DENTURE CLEANSER TABLETS.
Claims use since Apr. 27, 1940.

398,087. (CLASS 43. THREAD AND YARN.) OREGON WORSTED COMPANY, INCORPORATED, New York and Astoria, Long Island, N. Y. Filed Nov. 8, 1940. Serial No. 437,693.



FOR WOOLEN YARNS.
Claims use since Sept. 20, 1940.

398,088. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) POSI-PRINT CORPORATION, Shoreham, N. Y. Filed Feb. 24, 1941. Serial No. 440,954.

PHOTOBROM

FOR SENSITIZED PHOTOGRAPHIC PAPER.
Claims use since Jan. 31, 1941.

398,089. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MCGRAW ELECTRIC COMPANY, Elgin, Ill. Filed Apr. 4, 1941. Serial No. 442,270.

DRIP-METER

FOR LEAKAGE TESTING DEVICES WHICH MAY BE OF TEST TUBE FORM AND BE USED TO DETERMINE THE AMOUNT OF FLUID LEAKING THROUGH A SMALL OPENING IN A FLUID CONTAINER IN A CERTAIN TIME.
Claims use since Jan. 21, 1941.

398,090. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KOLAR LABORATORIES, INC., Chicago, Ill. Filed July 14, 1941. Serial No. 445,325.

HAND-i SEPTIC

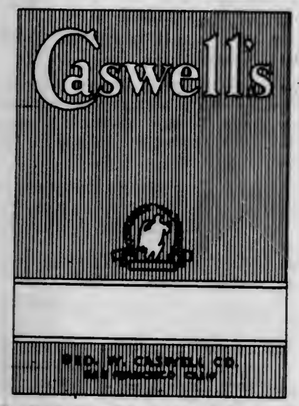
FOR HAND PROTECTIVE CHEMICAL PREPARATIONS IN CREAM FORM AND HAVING ANTISEPTIC PROPERTIES AND HAVING INCIDENTAL CLEANSING PROPERTIES.
Claims use since June, 1941.

398,091. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM COOPER & NEPHEWS, INCORPORATED, Chicago, Ill. Filed July 28, 1941. Serial No. 445,688.

SPONGE-AWAY

FOR ANIMAL INSECTICIDE.
Claims use since July 13, 1941.

398,092. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. W. CASWELL CO., San Francisco, Calif. Filed Aug. 11, 1941. Serial No. 446,124.



FOR FLAVORING EXTRACTS IN LIQUID FORM, FLAVORS IN LIQUID FORM, HERBS IN POWDERED FORM, SPICES, AND PREPARED SEASONINGS IN POWDERED FORM USED IN THE PREPARATION OF FOODS; GELATIN; AND BAKING POWDER.
Claims use since June 24, 1941.

398,093. (CLASS 38. PRINTS AND PUBLICATIONS.) HAIRE PUBLISHING COMPANY, New York, N. Y. Filed Aug. 20, 1941. Serial No. 446,393.

AVIATION EQUIPMENT

FOR A PERIODICAL.
Claims use since July 28, 1941.

398,094. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Sept. 19, 1941. Serial No. 447,197.

SAROMA

FOR NUTRIENT AND FOOD-FLAVORING EXTRACT CONTAINING SOLUBLE CONSTITUENTS OF YEAST.
Claims use since June 30, 1941.

398,095. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ESTELLE B. HENDERSON, doing business as Estelle B. Herron, Chicago, Ill. Filed Sept. 22, 1941. Serial No. 447,237.

Estelle B. Herron
SCIENTIFIC PRODUCTS

FOR FACE CREAM, A PREPARATION FOR HAIR DRESSING, A PREPARATION FOR STIMULATING THE GROWTH OF THE HAIR ON THE HEAD, AND A PREPARATION TO BE USED IN SHAMPOOING HAIR.
Claims use since Apr. 2, 1941.

398,096. (CLASS 45. BEVERAGES, NONALCOHOLIC.) RALPH AGUILO, doing business as Borinquen Beverage Co., Brooklyn, N. Y. Filed Oct. 9, 1941. Serial No. 447,625.

Limonada P. R.

FOR NONALCOHOLIC BEVERAGES MADE FROM FRUIT JUICES, SWEETENING ELEMENTS, AND CARBONATED OR PLAIN WATER.
Claims use since June 2, 1941.

398,097. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KENT PACKING CO., Rock Hall, Md. Filed Nov. 25, 1941. Serial No. 448,911.

Old Kent

FOR CANNED TOMATOES.
Claims use since Aug. 12, 1941.

398,098. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN INDUSTRIAL BANKERS ASSOCIATION, Fort Wayne, Ind. Filed Dec. 9, 1941. Serial No. 449,311.

The INDUSTRIAL Banker

FOR A PERIODICAL.
Claims use since Aug. 10, 1941.

398,099. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. LOUIS LAMAGNA, New York, N. Y. Filed Jan. 15, 1942. Serial No. 450,232.



FOR LINIMENT INTENDED TO BE RUBBED OR OTHERWISE APPLIED TO THE SURFACE OF THE HUMAN BODY TO RELIEVE THE DISCOMFORTS OF PAIN ACCOMPANYING RHEUMATISM, LUMBAGO, MUSCULAR BACKACHE, STIFF NECK, NEURALGIA, AND COLD IN THE CHEST, WHEN THESE CONDITIONS ARE DUE TO COLD OR EXPOSURE; ALSO USEFUL FOR SPRAINS AND IN RELIEVING SUPERFICIAL BURNS, MINOR CUTS, AND FROST BITES.
Claims use since Dec. 18, 1923.

398,100. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BRAMSON PUBLISHING COMPANY, Detroit, Mich. Filed Feb. 19, 1942. Serial No. 451,066.

NEW EQUIPMENT, Materials, Processing

FOR ARTICLES PUBLISHED IN A CONTINUING SERIES AND APPEARING MONTHLY IN A TRADE MAGAZINE.
Claims use since Dec. 1, 1934.

398,101. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BRAMSON PUBLISHING COMPANY, Detroit, Mich. Filed Feb. 19, 1942. Serial No. 451,067.

NEW LITERATURE

FOR ARTICLES PUBLISHED IN A CONTINUING SERIES, AND APPEARING MONTHLY IN A TRADE MAGAZINE.
Claims use since Mar. 1, 1935.

398,102. (CLASS 38. PRINTS AND PUBLICATIONS.) PARK CARPENTER, doing business as The Ski Bulletin, Boston, Mass. Filed Mar. 7, 1942. Serial No. 451,459.

The SKI BULLETIN

FOR A PERIODICAL.
Claims use since Dec. 11, 1936.

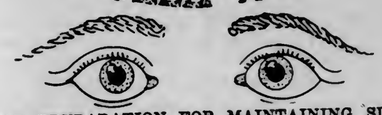
398,103. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) BEAUTEE-FIT COMPANY, INC., Los Angeles, Calif. Filed Mar. 30, 1942. Serial No. 452,001.

"FIT 4 SIZE"

FOR EYELET TAPE FOR USE ON BRASSIÈRES, CORSETS, AND THE LIKE.
Claims use since Nov. 15, 1939.

398,104. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VLADIMIR M. PETCOFF, Estherville, Iowa. Filed June 16, 1942. Serial No. 453,698.

SLEEP-NO



FOR PREPARATION FOR MAINTAINING SLEEPLESSNESS.
Claims use since Feb. 20, 1941.

398,105. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ST. PIERRE CHAIN CORPORATION, Worcester, Mass. Filed June 24, 1942. Serial No. 453,862.

EVER-LOCK

FOR CHAINS AND CHAIN LINKS.
Claims use since June 1, 1941.

398,106. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed July 1, 1942. Serial No. 453,979.

DERMA

FOR COMPOUND USED IN THE EMBALMING TRADE AS A SURFACE COVERER FOR AREAS OF THE BODY AND FOR SEALING OF LIPS AND EYELIDS.
Claims use since July 15, 1903.

398,107. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) DEVOE & RAYNOLDS COMPANY, INC., New York, N. Y. Filed July 10, 1942. Serial No. 454,135.

STA-SET

FOR PAINT BRUSHES.
Claims use since Jan. 2. 1935.

398,108. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) VICKERS, INCORPORATED, Detroit, Mich. Filed July 16, 1942. Serial No. 454,279.

VICKERS

FOR HYDRAULIC PUMPS AND PUMPING UNITS, HYDRAULIC CONTROL VALVES AND ASSEMBLIES FOR MACHINE CONTROL CIRCUITS, EQUIPMENT FOR MACHINE TOOLS INCLUDING BROACHING MILLING DRILLING MACHINES AND LATHES, AND HYDRAULIC MOTORS.

Claims use since 1925.

398,109. (CLASS 37. PAPER AND STATIONERY.) NATIONAL CELLULOSE CORPORATION, New York, N. Y. Filed July 22, 1942. Serial No. 454,431.

PATRICIA ALLEN

FOR PAPER CLEANSING TISSUES.

Claims use since 1930.

TRADE-MARK REGISTRATIONS RENEWED

21,933. **REFLEX.** PRINTERS' AND LITHOGRAPHERS' INK. Registered November 8, 1892. THE AULT & WIBORG COMPANY, Cincinnati, Ohio. Re-renewed November 8, 1942, to Interchemical Corporation, New York, N. Y., a corporation of Ohio, assignee.

157,174. **REPRESENTATION OF AN ARROW.** INTERNAL-COMBUSTION ENGINES AND PARTS THEREOF. Registered July 25, 1922. THE PIERCE-ARROW MOTOR CAR COMPANY. Renewed July 25, 1942, to 1695 Elmwood Avenue Corporation, Buffalo, N. Y., a corporation of New York, assignee by mesne assignments.

157,930. **"BRENTMOOR" AND DRAWING.** CERTAIN NAMED TEXTILE FABRICS. Registered August 22, 1922. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed August 22, 1942.

157,937. **FLORADORA.** LEATHER GLOVES, FABRIC GLOVES, AND MITTENS. Registered August 22, 1922. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed August 22, 1942.

157,938. **STAND-BY.** LEATHER GLOVES, FABRIC GLOVES, AND MITTENS. Registered August 22, 1922. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed August 22, 1942.

157,965. **MIXIT.** MALT AND HOP EXTRACT FOR BEVERAGES. Registered August 22, 1922. GOTTFRIED KRUEGER BREWING COMPANY. Renewed August 22, 1942, to G. Krueger Brewing Company, Newark, N. J., a corporation of Delaware, assignee.

158,104. **ORANJOY.** NONALCOHOLIC, MALTLESS BEVERAGE AND AN EXTRACT FOR MAKING THE SAME. Registered August 22, 1922. STAR EXTRACT WORKS. Renewed August 22, 1942, to Star-Kay White, Inc., New York, N. Y., a corporation of New York, assignee.

158,234. **DIAMOND.** BOX SPRINGS. Registered August 29, 1922. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md., a corporation of Maryland. Renewed August 29, 1942.

158,313. **EUCUPIN.** BACTERICIDE AND ANTISEPTIC PREPARATIONS. Registered August 29, 1922. VEREINIGTE CHININFABRIKEN ZIMMER & CO. GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Frankfort-on-the-Main, Germany. Renewed August 29, 1942, to Rare Chemicals, Inc., Flemington, N. J., a corporation of New York, assignee.

158,314. **VUZIN.** BACTERICIDE AND ANTISEPTIC PREPARATIONS. Registered August 29, 1922. VEREINIGTE CHININFABRIKEN ZIMMER & CO. GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Frankfort-on-the-Main, Germany. Renewed August 29, 1942, to Rare Chemicals, Inc., Flemington, N. J., a corporation of New York, assignee.

158,445. **THINLARM.** CLOCKS. Registered September 5, 1922. WILLIAM L. GILBERT CLOCK COMPANY. Renewed September 5, 1942, to The William L. Gilbert Clock Corporation, Winsted, Conn., a corporation of Connecticut, assignee by mesne assignments.

158,496. **THERMALOAD.** ELECTRICAL SWITCHES. Registered September 5, 1922. MONITOR CONTROLLER CO., Baltimore, Md., a corporation of Maryland. Renewed September 5, 1942.

158,838. **"T" AND DRAWING.** ROAD OILS. Registered September 12, 1922. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif., a corporation of California. Renewed September 12, 1942.

158,839. **KLENZOIL.** FLUSHING OILS. Registered September 12, 1922. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif., a corporation of California. Renewed September 12, 1942.

158,979. **FLEX-A-TILE.** WEATHER AND WATER PROOF COATINGS IN LIQUID AND PAINT-LIKE FORM. Registered September 19, 1922. THE HEPPES-NELSON ROOFING COMPANY, Chicago, Ill. Renewed September 19, 1942, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts, assignee by mesne asignments.

159,131. **BIFF.** WASHING COMPOUND FOR GENERAL HOUSEHOLD KITCHEN, AND LAUNDRY PURPOSES. Registered September 19, 1922. TRINITY CHEMICAL CORPORATION, White Plains, N. Y. Renewed September 19, 1942, to Dif Corporation, Garwood, N. J., a corporation of Delaware, assignee.

159,462. **MISTLETOE.** DAIRY PRODUCTS. Registered September 26, 1922. NISSLEY CREAMERY COMPANY, Fort Worth, Tex. Renewed September 26, 1942, to The Borden Company, New York, N. Y., a corporation of New Jersey, successor.

159,471. **"EXCHEQUER" AND DRAWING.** COMBINED CHECK AND ACCOUNT BOOKS. Registered September 26, 1922. WILLIAM J. PALMER, Los Angeles, Calif. Renewed September 26, 1942.

159,906. **HOMADE.** BUTTER, MILK, BUTTERMILK, COTTAGE CHEESE, AND CHEESE. Registered October 10, 1922. HOME DAIRY COMPANY, Saginaw, Mich., a corporation of Michigan. Renewed October 10, 1942.

160,077. **HEINISCH.** SHEARS, SCISSORS, SNIPS, CLIPPERS, RAZORS, RAZOR BLADES. Registered October 10, 1922. J. WISS & SONS CO., trading as R. Heinisch Sons Works, Newark, N. J., a corporation of New Jersey. Renewed October 10, 1942.

160,124. **SILVA PUTZ.** METAL POLISH. Registered October 17, 1922. AMERICAN METAL POLISH CORPORATION, Somerville, Mass. Renewed October 17, 1942, to American Metal Polish Corporation, Boston, Mass., a corporation of Massachusetts, assignee.

160,744. **WISS.** SHEARS, SCISSORS, SNIPS, CLIPPERS, RAZORS, RAZOR BLADES. Registered October 24, 1922. J. WISS & SONS CO., Newark, N. J., a corporation of New Jersey. Renewed October 24, 1942.

161,422. **KLFIN.** DEODORANTS. Registered November 14, 1922. BOOTS PURE DRUG COMPANY LIMITED, Nottingham, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed November 14, 1942.

161,596. **"TUSCAN NET" AND DRAWING.** LACE CURTAINS AND NETS OR CURTAIN LACE IN PIECE GOODS. Registered November 14, 1922. QUAKER LACE COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed November 14, 1942.

161,653. **REPRESENTATION OF A DUTCH BOY.** COCOA. Registered November 14, 1922. C. J. VAN HOUTEN & ZOON, Weesp, Netherlands, and Chicago, Ill. Renewed November 14, 1942, to C. J. Van Houten and Zoon, N. V., Weesp, Netherlands, and New York, N. Y., a limited liability company of the Netherlands.

162,274. **PRISCILLA-SNOW.** MATTRESSES, PILLOWS, AND BOX SPRINGS. Registered December 12, 1922. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md., a corporation of Maryland. Renewed December 12, 1942.

162,386. **DETECTIVE STORY MAGAZINE.** FICTION MAGAZINES ISSUED WEEKLY. Registered December 12, 1922. STREET & SMITH CORPORATION. Renewed December 12, 1942, to Street & Smith Publications, Inc., New York, N. Y., a corporation of New York, assignee.

162,409. **CONTACT.** MONTHLY MAGAZINES. Registered December 12, 1922. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa., a corporation of Pennsylvania. Renewed December 12, 1942.

162,410. **AERIOLA GRAND.** CERTAIN NAMED RADIO APPARATUS. Registered December 12, 1922. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa., a corporation of Pennsylvania. Renewed December 12, 1942.

162,560. **NIAG.** METAL CASTINGS AND FORGINGS, PARTICULARLY NONFERROUS METAL ROD. Registered December 19, 1922. MUELLER METALS COMPANY. Renewed December 19, 1942, to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan, by change of name.

163,277. **"LASCAR" AND DRAWING.** ASBESTOS ENGINE PACKINGS. Registered January 9, 1923. BELDAM ASBESTOS COMPANY LIMITED, London, England. Renewed January 9, 1943, to Beldam Asbestos Company Limited, Hounslow, England, an incorporated company of Great Britain.

163,403. **STERNOL.** LUBRICATING OILS AND GREASES. Registered January 9, 1923. STERNS, LIMITED, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed January 9, 1943.

163,476. **SANIPAD.** MATTRESS PROTECTORS OF TEXTILE FABRICS. Registered January 16, 1923. R. H. MACY & CO., INC., New York, N. Y., a corporation of New York. Renewed January 16, 1943.

163,547. **"HEXAGON" AND DRAWING.** ROLLED OATS, CORN MEAL, HOMINY GRITS, CORN FLAKES, WHEAT FLOUR, AND SELF-RISING FLOUR, AND CREAM MEAL. Registered January 23, 1923. AMERICAN HOMINY COMPANY, Indianapolis, Ind. Renewed January 23, 1943, to Decatur Milling Company, Decatur, Ill., a corporation of Indiana, assignee by mesne assignments.

163,759. **RUTLAND.** CERTAIN NAMED ADHESIVE CEMENTS. Registered January 23, 1923. RUTLAND FIRE CLAY CO., Rutland, Vt., a corporation of Vermont. Renewed January 23, 1943.

163,895. **"DE LUXE" AND DRAWING.** COTTON PIECE GOODS. Registered February 6, 1923. GREENHALGH MILLS, Pawtucket, R. I., a corporation of Rhode Island. Renewed February 6, 1943.

163,898. **"STANDARD B & P" AND DRAWING.** BLANK-BOOKS OF ALL TYPES, PADS AND TABLETS, LOOSE-LEAF DEVICES OF ALL TYPES AND DESIGNS, SHEETS, SHEET-HOLDERS, BOOK-COVERS, PUNCH PRESSES, HAND PUNCHES AND EYELETS, AND INVENTORY OUTFITS. Registered February 6, 1923. BOORUM & PEASE COMPANY, New York, N. Y., a corporation of New York. Renewed February 6, 1943.

163,914. **"NATIONAL" AND DRAWING.** STEAM-PRESSURE COOKERS. Registered February 6, 1923. NORTHWESTERN STEEL & IRON WORKS. Renewed February 6, 1943, to National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin, by change of name.

164,074. **REPRESENTATION OF A TOBACCO PIPE.** GRAVERS, CHISELS, GOUGES, BURNISHERS, TRACERS, AND FILES. Registered February 13, 1923. HAMMEL, RIGLANDER & CO. Renewed February 13, 1943, to Hammel, Riglander & Co., Inc., New York, N. Y., a corporation of New York, by change of name.

164,281. **JOSAM.** FLOOR DRAINS, ROOF DRAINS, AND METAL INSERTS FOR BUILDING CONSTRUCTION. Registered February 20, 1923. JOSAM MANUFACTURING COMPANY, Michigan City, Ind. Renewed February 20, 1943, to Josam Manufacturing Company, Cleveland, Ohio, a corporation of Delaware.

164,298. **RELIANCE.** FOUNTAIN COCOA PASTE, BEVERAGE COCOA, AND ICE-CREAM POWDER. Registered February 20, 1923. LANGLEY & MICHAELS CO., San Francisco, Calif. Renewed February 20, 1943, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland, assignee.

164,315. **DIABLITO.** CERTAIN NAMED CHEMICAL PREPARATIONS. Registered February 20, 1923. ADOLFO N. CARDENAS, San Antonio, Tex. Renewed February 20, 1943.

164,326. **"MIRROLIKE" AND DRAWING.** CERTAIN NAMED PAINTS AND PAINTER'S MATERIALS. Registered February 20, 1923. MIROLIKE MFG. CO., Long Island City, N. Y., a corporation of New York. Renewed February 20, 1943.

164,345. **ROBINSON.** WRENCHES. Registered February 20, 1923. M. W. ROBINSON CO., New York, N. Y., a corporation of New York. Renewed February 20, 1943.

164,359. **BRISTOL.** GOLF BALLS. Registered February 20, 1923. THE HORTON MANUFACTURING CO. Renewed February 20, 1943, to The Horton Manufacturing Company, Bristol, Conn., a corporation of Connecticut.

164,375. **"HIAWATHA".** FANCY BAGS—NAMELY, BEADED AND VANITY BAGS AND CHANGE PURSES. Registered February 20, 1923. DRITZ-TRAUM CO. Renewed February 20, 1943, to Dritz-Traum Company, Inc., New York, N. Y., a corporation of New York, successor.

164,400. **QUEEN CITY.** PRINTING INKS. Registered February 20, 1923. THE QUEEN CITY PRINTING INK COMPANY, Cincinnati, Ohio. Renewed February 20, 1943, to Interchemical Corporation, New York, N. Y., a corporation of Ohio, assignee.

164,415. **BAL-CO.** OILS USED IN THE PAINT, VARNISH, AND LINOLEUM INDUSTRIES AND INCLUDING CHINA-WOOD OIL. Registered February 20, 1923. BALFOUR, WILLIAMSON AND COMPANY. Renewed February 20, 1943, to Balfour, Guthrie & Co., Limited, New York, N. Y., a corporation of Delaware, successor.

164,424. **LIONCEAU.** COLD CREAM, LEMON CREAM, NODOR (DEODORANT CREAM), ROSE WATER AND GLYCERINE, WITCH HAZEL, VIOLET AMMONIA, FACE POWDER, ROUGE AND LEMON LOTION. Registered February 20, 1923. S. S. PIERCE CO., Boston, Mass., a corporation of Massachusetts. Renewed February 20, 1943.

164,461. **"MARY GARDEN" AND DRAWING.** CERTAIN TOILET PREPARATIONS. Registered February 20, 1923. HENRI RIGAUD, doing business as Rigaud, Paris, France, and New York, N. Y. Renewed February 20, 1943, to Etablissements Rigaud, Inc., New York, N. Y., a corporation of New York, assignee.

164,462. **"UN AIR EMBAUMÉ" AND DRAWING.** CERTAIN TOILET PREPARATIONS. Registered February 20, 1923. HENRI RIGAUD, doing business as Rigaud, Paris, France, and New York, N. Y. Renewed February 20, 1943, to Etablissements Rigaud, Inc., New York, N. Y., a corporation of New York, assignee.

164,463. **"MARY GARDEN" AND DRAWING.** CERTAIN TOILET PREPARATIONS. Registered February 20, 1923. HENRI RIGAUD, doing business as Rigaud, Paris, France, and New York, N. Y. Renewed February 20, 1943, to Etablissements Rigaud, Inc., New York, N. Y., a corporation of New York, assignee.

164,464. **CAMIA.** PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER. Registered February 20, 1923. HENRI RIGAUD, doing business as Rigaud, Paris, France, and New York, N. Y. Renewed February 20, 1943, to Etablissements Rigaud, Inc., New York, N. Y., a corporation of New York, assignee.

164,465. **PERSIAN BLUSH.** FACE POWDERS AND ROUGES. Registered February 20, 1923. HENRI RIGAUD, doing business as Rigaud, Paris, France, and New York, N. Y. Renewed February 20, 1943, to Etablissements Rigaud, Inc., New York, N. Y., a corporation of New York, assignee.

164,466. **EGYPTIAN POPPY.** FACE POWDERS AND ROUGES. Registered February 20, 1928. HENRI RIGAUD, doing business as Rigaud, Paris, France, and New York, N. Y. Renewed February 20, 1943, to Etablissements Rigaud, Inc., New York, N. Y., a corporation of New York, assignee.

164,467. **LILAS DE RIGAUD.** CERTAIN TOILET PREPARATIONS. Registered February 20, 1923. HENRI RIGAUD, doing business as Rigaud, Paris, France, and New York, N. Y. Renewed February 20, 1943, to Etablissements Rigaud, Inc., New York, N. Y., a corporation of New York, assignee.

164,468. **DERMOSHEEN.** A HAND LOTION. Registered February 20, 1928. HENRI RIGAUD, doing business as Rigaud, Paris, France,, and New York, N. Y. Renewed February 20, 1943, to Etablissements Rigaud, Inc., New York, N. Y., a corporation of New York, assignee.

164,469. **BLANCODERM.** LIQUID FACE AND TOILET POWDER. Registered February 20, 1923. HENRI RIGAUD, doing business as Rigaud, Paris, France, and New York, N. Y. Renewed February 20, 1943, to Etablissements Rigaud, Inc., New York, N. Y., a corporation of New York, assignee.

164,470. **INDIAN BLUSH.** FACE POWDERS AND ROUGES. Registered February 20, 1923. HENRI RIGAUD, doing business as Rigaud, Paris, France, and New York, N. Y. Renewed February 20, 1943, to Etablissements Rigaud, Inc., New York, N. Y., a corporation of New York, assignee.

164,471. **ROSEBUD.** FACE POWDERS AND ROUGES. Registered February 20, 1923. HENRI RIGAUD, doing business as Rigaud, Paris, France, and New York, N. Y. Renewed February 20, 1943, to Etablissements Rigaud, Inc., New York, N. Y., a corporation of New York, assignee.

164,523. **"LLOYD" AND DRAWING.** ANTITARNISH BALLS, COMPOSED OF CHEMICALS WHICH ABSORB MOISTURE, COUNTERACT THE GASES IN THE ATMOSPHERE, AND PURIFY THE AIR. Registered February 20, 1923. LLOYD MANUFACTURING CO., Anderson, Ind., a firm. Renewed February 20, 1943.

164,539. **COMAX.** TOOL STEEL. Registered February 20, 1923. DARWIN & MILNER, INC., Cleveland, Ohio, a corporation of New York. Renewed February 20, 1943.

164,588. **KIDDIE KRAFT.** CERTAIN ARTICLES OF JEWELRY. Registered February 20, 1923. MARATHON COMPANY, Attleboro, Mass., a corporation of Massachusetts. Renewed February 20, 1943.

164,628. **DEFENDER.** BABBITT, BEARING, AND ANTIFRICTION METALS AND ALLOYS. Registered February 20, 1923. MAGNOLIA METAL COMPANY, New York, N. Y. Renewed February 20, 1943, to Magnolia Metal Company, Elizabeth, N. J., a corporation of West Virginia.

164,644. **L. O. Z.** PAINTS. Registered February 27, 1923. ARNESTO PAINT CO. INC., New York, N. Y., a corporation of New York. Renewed February 27, 1943.

164,654. **"SUNFLOWER" AND DRAWING.** FRESH CITRUS FRUIT. Registered February 27, 1923. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif., a corporation of California. Renewed February 27, 1943.

164,714. **"W" AND DRAWING.** CERTAIN NAMED SILVERWARE. Registered February 27, 1923. WHITING MANUFACTURING COMPANY, Bridgeport, Conn. Renewed February 27, 1943, to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island, assignee.

164,760. **MYSTIC.** BABBITT, BEARING, AND ANTIFRICTION METALS AND ALLOYS. Registered February 27, 1923. MAGNOLIA METAL COMPANY, New York, N. Y. Renewed February 27, 1943, to Magnolia Metal Company, Elizabeth, N. J., a corporation of West Virginia.

164,771. **"JAMES W. BRINE CO. B" AND DRAWING.** CERTAIN ARTICLES OF CLOTHING. Registered February 27, 1923. THE JAMES W. BRINE COMPANY. Renewed February 27, 1943, to James W. Brine Company, Boston, Mass., a corporation of Massachusetts.

164,772. **"JAMES W. BRINE CO. B" AND DRAWING.** CERTAIN ARTICLES OF CLOTHING. Registered February 27, 1923. THE JAMES W. BRINE COMPANY. Renewed February 27, 1943, to James W. Brine Company, Boston, Mass., a corporation of Massachusetts.

164,863. **"ATCO" AND DRAWING.** MEN'S AND BOYS' TROUSERS. Registered February 27, 1923. AMERICAN TROUSER CO., Pittsburgh, Pa., a firm. Renewed February 27, 1943.

164,888. **REPRESENTATION OF A BOY AND A GIRL.** RAZORS, SCISSORS, SHEARS, HAIR CLIPPERS, AND ALL KINDS OF KNIVES IN GENERAL USE. Registered February 27, 1923. EMIL ENGELS, doing business as F. W. Engels. Renewed February 27, 1943, to F. W. Engels, New York, N. Y., a firm, assignee by mesne assignments.

164,904. **ZAT-SO.** ROOT BEER. Registered February 27, 1923. E. A. ZATARAIN & SONS, INC., New Orleans, La., a corporation of Louisiana. Renewed February 27, 1943.

164,911. **NOSTEALUM.** FISHHOOKS. Registered February 27, 1923. LOUIS J. EPPINGER, Detroit, Mich. Renewed February 27, 1943.

164,922. **GOOD MORNING HONEY.** HONEY. Registered February 27, 1923. ARTHUR C. DAMAN, Denver, Colo. Renewed February 27, 1943.

164,986. **"GOLD STAR" AND DRAWING.** WOMEN'S UNDERWEAR OF TEXTILE FABRIC. Registered February 27, 1923. D. J. HEALY, doing business as D. J. Healy Shops. Renewed February 27, 1943, to D. J. Healy Shops, Detroit, Mich., a corporation of Michigan, assignee.

164,995. **DEXTER.** WRINGERS AND CERTAIN DESCRIBED WASHING MACHINES. Registered February 27, 1923. THE DEXTER COMPANY, Fairfield, Iowa, a corporation of Iowa. Renewed February 27, 1943.

164,998. **"BLACKBIRD" AND DRAWING.** BROOMS. Registered February 27, 1923. IRWIN RICHARD, doing business as Red Hill Broom Works, Red Hill, Pa. Renewed February 27, 1943.

REISSUES

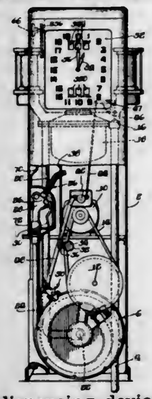
OCTOBER 6, 1942

22,193
LIQUID DISPENSING APPARATUS

William M. Carroll, Dayton, Ohio, assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a corporation of Indiana

Original No. 2,199,480, dated May 7, 1940, Serial No. 61,731, January 31, 1936. Application for reissue October 15, 1940, Serial No. 361,293

19 Claims. (Cl. 221—95)



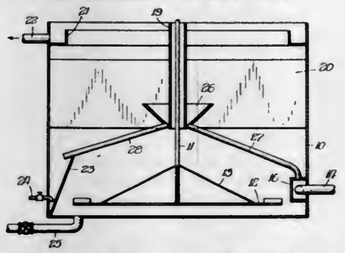
1. In a liquid dispensing device, the combination of means including a hose forming a liquid flow line, a pump for forcing liquid through said line, an electric motor for operating said pump, means operated as an incident to the movement of the hose for energizing said motor, a register mechanism, resetting mechanism for the register mechanism, and means for connecting said resetting mechanism to said motor at the end of a dispensing operation so that the initial movement of said motor in the succeeding dispensing operation will be transmitted to the resetting mechanism.

22,194
LIQUID TREATING PROCESS AND APPARATUS

Walter H. Green, Batavia, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware

Original No. 2,245,583, dated June 17, 1941, Serial No. 211,362, June 2, 1938. Application for reissue August 25, 1941, Serial No. 408,236

20 Claims. (Cl. 210—16)



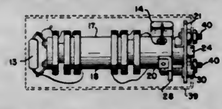
1. Apparatus of the type described, comprising a substantially cylindrical tank, an agitator in the bottom of the tank, a substantially horizontal open-ended casing in the lower portion of said tank, means for introducing liquid to be treated into said casing, means for introducing a reactant into said casing, and baffle means positioned in said tank above said agitator.

22,195
COUPLING SYSTEM

Daniel E. Harnett, Tuckahoe, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Original No. 2,066,777, dated January 5, 1937, Serial No. 30,777, July 11, 1935. Application for reissue April 4, 1939, Serial No. 265,953

15 Claims. (Cl. 178—44)



15. A coupling system comprising a pair of inductively coupled mutually external coaxial windings, each of said windings having a plurality of serially-connected sections, and means for adjusting the self-inductance of each of said windings without substantially changing the coefficient of coupling therebetween comprising means for adjusting the relative positions of said sections so as to vary the mutual inductance therebetween while maintaining constant the mutual-inductance coupling between the proximate sections of said two windings, said adjusting means for both of said windings being operable from the same end of said coaxial windings.

22,196
CATALYTIC CONVERSION PROCESS

Llewellyn Heard, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Original No. 2,274,634, dated March 3, 1942, Serial No. 354,729, August 29, 1940. Application for reissue May 30, 1942, Serial No. 445,228

9 Claims. (Cl. 196—52)

1. The method of converting hydrocarbon oils which comprises subjecting said oils at conversion temperature to the action of a solid hydrocarbon conversion catalyst of great physical strength and high activity prepared by coagulating with an electrolyte a stable alumina sol resulting from the action of water on amalgamated aluminum metal thereby producing a firm, substantially transparent, vibrant gel and drying the gel to produce the desired catalyst in the form of a hard, granular, translucent, solid material.

22,197
MANUFACTURE OF ANTIKNOCK MOTOR FUEL HYDROCARBONS

Karl Korpi and Arthur R. Goldsby, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Original No. 2,260,943, dated October 28, 1941, Serial No. 150,316, June 25, 1937. Application for reissue March 18, 1942, Serial No. 435,210

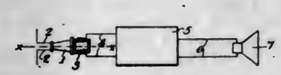
7 Claims. (Cl. 196—10)

1. A process for the manufacture of normally

liquid hydrocarbons boiling within the gasoline boiling range, which comprises reacting low boiling polymers, resulting from polymerization of C_4 olefins, with an isoparaffin selected from the group consisting of isobutane and isopentane in the presence of concentrated sulfuric acid catalyst, and maintaining throughout the entire reaction a substantial excess of the isoparaffin in the reacting mixture, whereby alkylation of the isoparaffin is effected and a substantially saturated liquid reaction product is produced.

22,198
METHOD AND ARRANGEMENT FOR TRANSFERRING TELEPHONE CONVERSATIONS TO OTHER ELECTRICAL DEVICES
Bernhard Loewe, Yonkers, N. Y.
Original No. 2,268,665, dated January 6, 1942, Serial No. 264,083, March 25, 1939. Application for reissue June 13, 1942, Serial No. 448,075
6 Claims. (Cl. 179—1)

1. Coupling device for inductive coupling of a telephone circuit with another circuit, comprising two series connected coils mounted on a U-shaped iron core, with the free ends of the coils connected preferably to a shielded cord, and with the core and the coils mounted thereon covered with non-conducting material and tightly sealed in a suitably formed cavity of a holder, the latter being made of elastic, non-conducting material



and of such a shape, that its inner part fits over the earpiece of a telephone receiver, holding hereby the core and the coils thereon in proper position to the corresponding parts of the telephone receiver, the outer parts of the holder having the shape of an earpiece, and the wall between the inner and the outer part of the holder having holes.

PLANT PATENTS

GRANTED OCTOBER 6, 1942

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

546
ROSE PLANT
Theodore J. Morris, San Fernando, Calif., assignor to Jackson & Perkins Company, Newark, N. Y.
Application March 17, 1942, Serial No. 435,090
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by its climbing habit, and repeating bloom occurring on the blooming spike, substantially as shown and described.

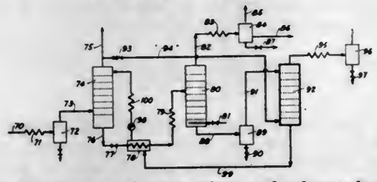
547
CARNATION
Calvin L. Canup, Knoxville, Tenn., assignor to Baum's Home of Flowers, Inc., Knoxville, Tenn.
Application April 18, 1942, Serial No. 439,603
1 Claim. (Cl. 47—60)

The new and distinct variety of carnation herein shown and described, characterized particularly by its rapid propagation, its high degree of resistance to diseases and insects common to carnations; its strong, long, wiry stems; and its prolific production of very large, well-formed blossoms having tough non-splitting calyx, unfading bright pink to rose color, and unusually good lasting qualities.

PATENTS

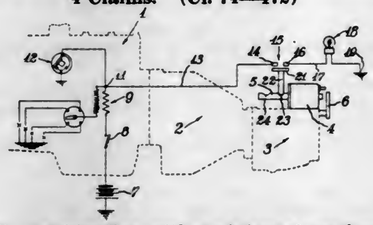
GRANTED OCTOBER 6, 1942

2,297,675
PROCESS FOR TREATING GASEOUS HYDROCARBONS
Walter C. Dayhuff, Whittier, and Robert B. Bowman, Concord, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application October 4, 1938, Serial No. 233,226
5 Claims. (Cl. 196—7)



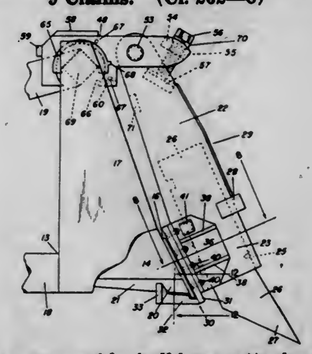
1. A process of preparing a hydrocarbon gas for circulation through high pressure distributing systems which comprises cooling said gas, scrubbing condensed moisture therefrom, passing said gas through an absorption zone wherein an absorption liquid is intimately contacted with said gas, removing the absorption liquid from said zone, stripping dissolved hydrocarbons from said absorption liquid by distillation in the presence of water vapor, passing said absorption liquid through a desiccating zone, passing a small portion of the gas discharged from the absorption zone through said desiccating zone in intimate contact with said absorption medium whereby a major portion of the water contained in the absorption medium is extracted therefrom, and returning the desiccated absorption medium to the absorption zone.

2,297,676
IGNITION CONTROLLING DEVICE FOR INTERNAL COMBUSTION ENGINES
Manuel H. Elkin, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 11, 1940, Serial No. 356,321
4 Claims. (Cl. 74—472)



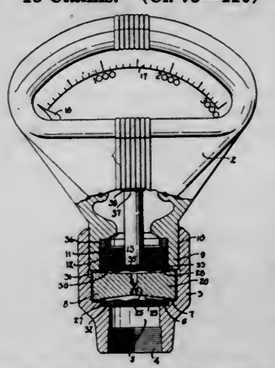
1. In combination with an internal combustion engine having an ignition system, a grounding circuit for the ignition system including a switch and a resistor in the form of a metallic filament in an inert atmosphere, and means for closing the switch, the resistance of the filament when cold being so low as to render the engine ignition inoperative when the switch is initially closed, and the resistance of the filament when heated by current of proper voltage passing therethrough being so high as to prevent the grounding circuit from interfering with the operation of the engine ignition.

2,297,677
REMOVABLE BULLDOZER ATTACHMENT
Carl D. Forte, San Diego, Calif.
Application September 8, 1941, Serial No. 409,931
9 Claims. (Cl. 262—8)



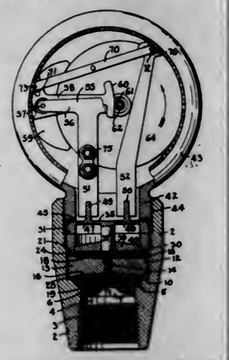
1. In a removable bulldozer attachment, the combination of an attachment member, clamping hook means pivotally mounted thereon for securing the lower end of said member to the lower part of the moldboard of the bulldozer, means for pivotally securing the upper end of said member to the upper part of said moldboard, and means for clamping and locking against movement in any direction all of said parts in operative position.

2,297,678
PRESSURE GAUGE
Herbert Allen, Houston, Tex., assignor to Abercrombie Pump Company, Houston, Tex., a corporation
Application July 2, 1937, Serial No. 151,658
18 Claims. (Cl. 73—110)



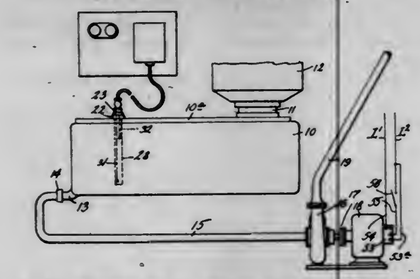
14. In a pressure gauge, the combination of a load rod movable in response to applied pressure, apertured resilient means firmly held at its periphery closely encircling said rod to confine the same and adapted to flex under pressure and move independent of said load rod, and means to apply the pressure to be gauged to said rod and resilient means so that the independent movement of the rod and resilient means is substantially in unison.

2,297,679
PRESSURE GAUGE
Herbert Allen, Houston, Tex., assignor to Abercrombie Pump Company, Houston, Tex., a corporation
Application June 7, 1938, Serial No. 212,244
13 Claims. (Cl. 73—110)



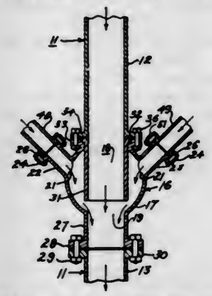
12. In a pressure gauge, a flexible fixed end beam, a load member movable by the applied pressure to flex said beam at its center, an indicator mechanism, and means on the quarter points of said beam and connected to said mechanism to actuate said mechanism as a function of the flexing of said beam which is caused by the applied pressure.

2,297,680
CONTROL OF ELECTRICAL DEVICES FROM LIQUID LEVELS
E. Roy Alling, Kenmore, N. Y.
Application March 25, 1939, Serial No. 264,174
6 Claims. (Cl. 200—152)



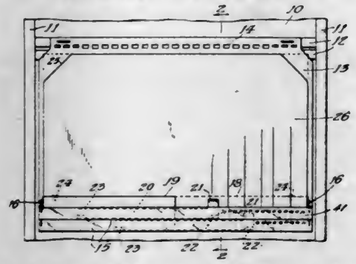
1. In apparatus in which electrically actuated devices are rendered effective and ineffective by fluctuations of liquid level in a tank containing milk, and in which liquid is added to that already in the tank at intervals in a manner to create waves in the liquid body in said tank that improvement which comprises said tank, a supporting member of electrically insulating material, exposed electrical conductors supported by said member in insulated relation to one another and depending side by side therefrom to different levels, a metallic tube surrounding said conductors and detachably supported by and depending from said member to a point below the lowermost conductor and open adjacent opposite ends, whereby when the member, conductors and tube are disposed upright in a tank, the liquid in the tank may rise in said tube to the same level as in said tank, and electrical circuit terminals connected to said conductors and tube.

2,297,681
HYDRAULIC BOOSTER SYSTEM
William Herbert Anderson and Norman R. Stanton, Oakland, Calif.
Application May 14, 1941, Serial No. 393,450
2 Claims. (Cl. 103—262)



1. A hydraulic booster system comprising, in combination with an extensible, sectional pipe line for conveying a liquid, a semi-solid or a fluid or other material, a pump for introducing a stream of water under pressure into a stream of material flowing in the pipe line, and a booster unit which is adapted to be detachably connected into said pipe line; said unit consisting of a bell portion of generally spherical shape having a main inlet and a main outlet which are coaxial with one another and with said pipe line; said bell portion also having a relatively narrow side inlet, a flange on said bell portion adjacent to said main inlet, an inner, annular shoulder on said flange, a flanged nipple seated on said inner shoulder of said flange and extending within said bell portion to a point adjacent to said main outlet; said nipple having an internal diameter equal to the internal diameter of said pipe line and being supported on said shoulder coaxially with said pipe line, an integral pipe connection extending coaxially from said main outlet of said bell portion, a flange on said pipe connection for detachably connecting the unit to a section of the pipe line, an integral, laterally extending pipe connection on said bell portion in communication with said side inlet, and a flange on said laterally extending pipe connection for detachably connecting said unit to a supply pipe communicating with said pump.

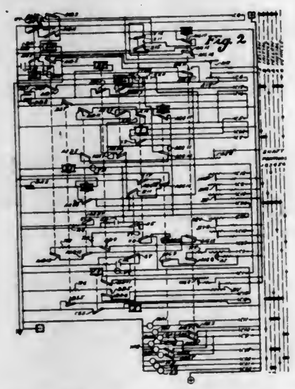
2,297,682
VISIBLE INDEX AND PROGRESSIVE SIGNAL MEANS
Charles E. Attwood, Chicago, Ill., assignor to Acme Visible Records, Inc., Chicago, Ill., a corporation of Delaware
Application March 14, 1941, Serial No. 383,297
20 Claims. (Cl. 129—16.7)



2. A visible index record filing device of the

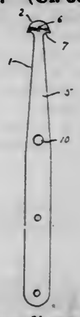
class described comprising a card holder, a sheath embracing the lower marginal edge of said holder, a record card mounted on said holder with its lower marginal edge portion extending within said sheath, signal masking means having front and back portions supported within said sheath and overlying a lower marginal edge portion of said card, and a signalling strip slidably and embraceably engaged to the back portion only of said overlay for movement along the lower marginal edge portion of said card and for variable concealment and exposure by said masking means.

2,297,683
TRAFFIC ACTUATED CONTROL APPARATUS
John L. Barker, Norwalk, Conn., assignor to Automatic Signal Corporation, East Norwalk, Conn., a corporation of Delaware
Application April 16, 1941, Serial No. 388,861
12 Claims. (Cl. 177—337)



1. In a traffic control system for two intersecting roads having stop and go signals for the intersecting roads, traffic detectors for actuation by traffic approaching in the respective roads, and a controller for operating the signals to accord right of way alternatively to the two roads between minimum and maximum time limits responsive to actuation of the respective detectors and to interrupt right of way normally in the two roads in absence of such actuation, said controller including a step-by-step cyclic switching unit having a cycle of positions through which it is adapted to be operated responsive to detector actuation and including a position for potential operation of the go signal for one road and for operation of the stop signal for the other road and another position for operating the go signal for the other road and the stop signal for the first road, and a time controlled relay means for maintaining the stop signal operated and the go signal non-operated in said first road in said potential operating position normally in absence of detector actuation in said first road and for a brief time delay in the event of and responsive to such actuation and for switching the signals at the end of such time delay to maintain the go signal operated and the stop signal non-operated for a further brief time period and for switching said signals back to normal at the end of such further time period and means responsive to detector actuation in said first road during said further time period to reset said time relay means to prolong the condition of operation of the go signal and non-operation of the stop signal.

2,297,684
SCRIBER
Gordon W. Bratcher and Jarl W. Hanson, Duluth, Minn.
Application May 23, 1941, Serial No. 394,892
3 Claims. (Cl. 33—32)



1. A tool for scribing lines in the emulsion on the surface of films used in lithographic or offset printing, including a handle, a head having sides and edges issuing from one end of said handle, said sides being concaved on an axis at right angles to said tool axis, and a scribing tooth at one edge of said head, the leading face of said scribing tooth being concaved both in longitudinal and transverse direction.

2,297,685
METHOD OF PREPARING VEGETABLE PROTEINS
John C. Brier and Gerard W. Mulder, Ann Arbor, Mich., assignor to Welsh and Green, Incorporated, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 13, 1939, Serial No. 261,652
3 Claims. (Cl. 260—112)

1. The process of isolating the protein of oleaginous seed material which includes comminuting and defatting said seed material, steeping and washing the seed material in water to remove water soluble material, burring the washed material in the presence of water to the extent of producing rounded protein particles and fibrilliform particles of fibrous and galactanous material, screen off the fibrilliform particles in the presence of water to prepare an aqueous protein suspension, settling the protein from said suspension, and separating the settled protein, the water used in said steeping, washing, burring, screening, suspension and settling being acidulated and approximately at the isoelectric point of the protein isolated.

2,297,686
CHROMIUM-VANADIUM-IRON ALLOY CUTTING TOOL
Charles O. Burgess and William D. Forgeng, Niagara Falls, N. Y., assignors to Haynes Stellite Company, a corporation of Indiana
No Drawing. Application July 30, 1940, Serial No. 348,444
2 Claims. (Cl. 148—31)

1. A cutting tool having substantially the composition: between 25% and 60% chromium, at least 5% vanadium, the sum of the chromium and vanadium being between 35% and 70%, carbon between 1% and 3% to impart toughness, remainder iron; which tool is in the improved condition resulting from subjection to heating within the range of 550° C. to 850° C. for a time between five minutes and twenty hours.

2,297,687
ALLOY AND CUTTING TOOL
Charles O. Burgess and William D. Forgeng, Niagara Falls, N. Y., assignor to Haynes Stellite Company, a corporation of Indiana
No Drawing. Application July 30, 1940, Serial No. 348,445
4 Claims. (Cl. 148—31)

1. Alloy, resistant to wear and abrasion and suitable for use as a cutting tool, having substantially the composition: between 45% and 65% chromium, between 5% and 20% cobalt, between 4% and 20% nickel, carbon between 1% and 3% to impart toughness, remainder iron.

2,297,688
WITHDRAWN

2,297,689
SEPARATION OF FELDSPAR FROM QUARTZ
Robert Gibson O'Meara, Tuscaloosa, Ala., assignor to the Government of the United States of America, as represented by the Secretary of the Interior
No Drawing. Application April 5, 1940, Serial No. 328,083
10 Claims. (Cl. 209—166)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of separating aluminous silicate minerals of the group consisting of feldspars and kyanite from comminuted mixtures thereof with quartz consisting in forming a slurry of the mixture with water, a cationic flotation reagent yielding long chain cations containing from twelve to nineteen carbon atoms, and a modifying agent consisting of hydrofluoric acid in which may have been dissolved multivalent metal oxides from traces to almost complete neutralization of the acid, and separating the said aluminous silicate minerals by flotation.

2,297,690
DISPENSING PACKAGE
Ferdinand W. Nitardy, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
Application October 20, 1938, Serial No. 235,968
5 Claims. (Cl. 221—60)



1. A collapsible tube having an outlet, and an impervious plug of deformable and expressible solid material in the bore of the tube at its outlet end, at least part of the plug within the tube being of larger diameter than the outlet.

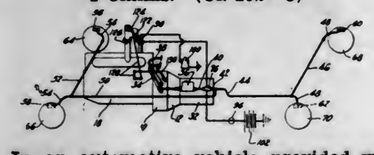
2,297,691
ELECTROPHOTOGRAPHY
Chester F. Carlson, Jackson Heights, N. Y.
Application April 4, 1939, Serial No. 265,925
27 Claims. (Cl. 95—5)

9. The method of forming an electrostatic latent image on the surface of a layer of photoconductive insulating material affixed to a conductive backing which comprises charging the surface of said layer with a distributed electrostatic charge and then exposing said layer to a light image, said light image comprising a pattern of light and shadow to be recorded, whereby the illuminated portions of said layer will have their conductivity increased by the illumination and will conduct at least a part of said charge away to said conductive backing in said illuminated areas, thereby leaving an electrostatic latent image on said surface corresponding to said light image, and then cutting off the illumination of said layer and storing said electrostatic image on the surface thereof for an indefinite period.



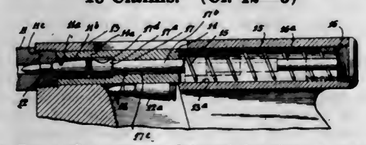
26. The method of producing a half-tone picture having varied shadings of light and shadow which comprises producing a distribution of individual solid particles of fusible material on a surface in a particle density corresponding to the degree of shading desired on each part of the surface and then affixing said particles to said surface, by melting said particles thereon to produce a half-tone dot from each of said particles.

2,297,692
FLUID FLYWHEEL CONTROL
Allan C. Chambers, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 15, 1939, Serial No. 290,243
4 Claims. (Cl. 192—3)



1. In an automotive vehicle provided with a power plant and a propeller shaft drivably connected to the rear wheels of the vehicle, means for controlling the condition of rest or of motion of the vehicle comprising a fluid clutch, a friction clutch and a selective change-speed transmission interconnecting the power plant with the propeller shaft, means for decelerating the vehicle and maintaining the same at a standstill comprising wheel brakes, means including a brake pedal for controlling the operation of said brakes, automatically operable means operative when the accelerator is released and the vehicle is on an incline of any degree of grade or is at rest on level ground, to maintain the brakes applied once the brake pedal is depressed, and means for disabling said automatically operable means when the vehicle is being decelerated at or above a predetermined rate.

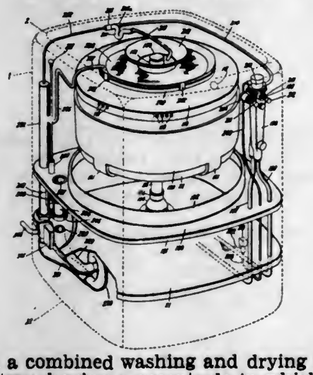
2,297,693
AUTOLOADING FIREARM
Allen A. Dicke, Montclair, N. J.
Application November 2, 1940, Serial No. 363,961
18 Claims. (Cl. 42—3)



17. In a firearm, a barrel having a cartridge

receiving chamber, at least a portion of the chamber being of such reduced thickness that the gas pressure of a cartridge exploded in said chamber is capable of expanding the said reduced chamber portion, a supporting member closely surrounding said reduced portion, said reduced chamber portion and said surrounding member being normally relatively movable, a breech closing member, and means so associated with said supporting member that opening of the breech closing member will cause relative movement between the surrounding supporting member and the reduced chamber portion, whereby opening of the breech closing member is prevented while the reduced chamber portion is expanded against said supporting member so that the breech closing member is held closed until after the gas pressure has dropped sufficiently low to permit contraction of the weakened chamber portion.

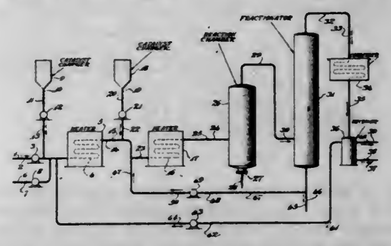
2,297,694
WASHING MACHINE
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application March 25, 1939, Serial No. 264,156
8 Claims. (Cl. 68—12)



8. In a combined washing and drying machine of the type having a receptacle in which clothes are washed and centrifugally dried, a casing surrounding the receptacle having sufficient space below the receptacle during drying for storage of the washing solution, means for selectively effecting washing in the receptacle and rotating the receptacle for extracting, provisions for introducing rinsing liquid into the receptacle during extracting, a trough surrounding the receptacle for catching the liquid discharged therefrom during extracting, means for selectively conducting the liquid caught in the trough to the casing or to a drain, the improvement which comprises control means movable to positions controlling the washing and extracting operations and for controlling the introduction of rinsing liquid, means responsive to the introduction of rinsing liquid for connecting the trough to a drain, and timing means for moving the control member to the washing, extracting, and rinsing positions in timed sequence.

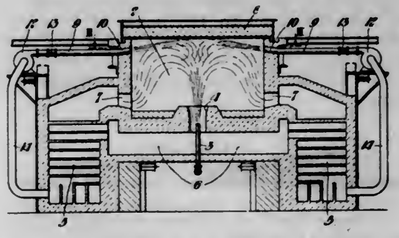
2,297,695
HYDROCARBON REFORMING
Gustav Egloff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 12, 1940, Serial No. 352,223
5 Claims. (Cl. 196—52)

5. A hydrocarbon conversion process which comprises subjecting a hydrocarbon distillate comprising naphtha and a heavier naphthenic oil to catalytic reforming in a primary reaction zone in the presence of a powdered dehydrogenating catalyst, supplying the resulting conversion products and catalyst to a secondary reaction zone and therein continuing the conversion in the presence of a powdered cracking catalyst, separating conversion products from the last



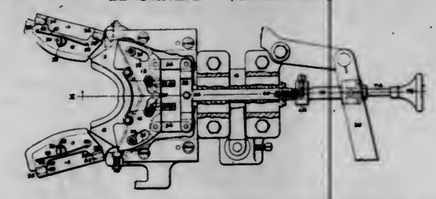
named reaction zone into cracked vapors and residue containing the mixed catalysts, fractionating said cracked vapors to form reflux condensate, supplying reflux condensate to said secondary reaction zone, cooling and condensing the fractionated vapors, separating the resulting distillate from undissolved and uncondensed gases, and returning at least a portion of said undissolved and uncondensed gases to the primary reaction zone.

2,297,696
FURNACE
Harold Griffin Elder, Chicago, and John Fred Mowat, La Grange, Ill.
Application October 29, 1940, Serial No. 363,337
3 Claims. (Cl. 263—44)



1. In a furnace of the class described for heating ingots and the like including a heating chamber having side and top walls, a hearth arranged centrally of the heating chamber upon which the articles to be heated are adapted to be placed, means arranged centrally of said hearth for firing the furnace by a flame rising upwardly therefrom, and means arranged in two of the opposed side walls of said furnace adjacent the top thereof substantially opposite each other for supplying and directing a relatively cool stream of substantially inert gas or air toward each other and the center of the heating chamber so that the relatively cool gases or air supplied thereby will be interposed between the flame and the top wall of said furnace and meet the unburned gases of the flame at a point spaced from the top wall whereby a turbulent action is provided so as to cause an intimate mixture of the inert gas and the unburned gases of the flame and thorough combustion of the unburned fuel gases before they contact the top wall of the furnace.

2,297,697
LASTING MACHINE
Andrew Eppler, Jr., and Ernest L. Butler, Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 21, 1941, Serial No. 380,028
11 Claims. (Cl. 12—14)

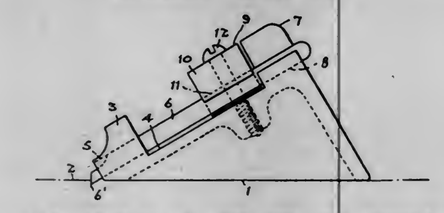


1. A lasting wiper assembly comprising an end wiper constructed and arranged to be removably mounted in a lasting machine, a side wiper, an extension of said end wiper constructed and arranged to serve as a carrier for the side wiper, said end wiper and side wiper being constructed and arranged for relative operative movement, and a common actuator for said wipers.

2,297,698
TREATING BIBULOUS PAPER
Richard D. Freeman, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 20, 1940, Serial No. 346,658
7 Claims. (Cl. 117—103)

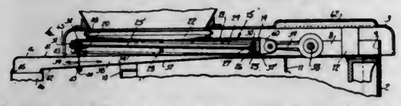
2. A method of preparing absorptive paper products of high wet strength which comprises treating a bibulous paper base with a water solution whereof the solute comprises from 5 to 40 parts of a water soluble cellulose ether, from 50 to 95 parts of an urea-formaldehyde resin modified with from 50 to 100 parts of a polyhydric alcohol, drying the so-called paper and heating the paper to a temperature of approximately 90° to 120° C. to set the polyhydric alcohol-modified resin.

2,297,699
SURFACE CUTTING TOOL
Victor G. Moore, Toronto, Ontario, Canada, assignor to Modern Moulding and Metal Craft Company Limited, Toronto, Ontario, Canada
Application February 15, 1941, Serial No. 379,098
In Canada February 10, 1940
4 Claims. (Cl. 90—24)



1. A device of the class described, comprising the combination with a rod-like cutting tool having a profiled cutting end, of a guiding support therefor comprising a cast metal block of substantial triangular form converging toward its forward end, tool-supporting abutments at the forward and rearward ends having aligned recesses to receive and position said rod-like cutting tool, and means for clamping said tool against said abutments within said recesses with the forward cutting edge thereof projecting free beyond the forward extremity of the cast metal block, said block being free of projection beyond the forward cutting extremity of the tool to provide an unobstructed view of the work forwardly of the cutting edge and enable accurate guiding thereof along predetermined lines.

2,297,700
SIFTING APPARATUS
Raymond Hinkle, Hanover, Pa.
Application June 21, 1939, Serial No. 280,229
7 Claims. (Cl. 209—240)



6. In a sifting apparatus of the character set forth, a sealed sifting unit mounted for reciprocation on guide parallel shafts disposed wholly exteriorly of the unit and a removable sieve element which is inclined to the axes of the shafts, said sifter unit including a bottom pan which is inclined in the opposite direction to the inclination of the sieve whereby reciprocation of said unit on said shafts walks material down said sieve element and said pan.

2,297,701
PROCESS OF DYEING ANIMAL FIBERS
Gustave Theodore Hug, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 11, 1940, Serial No. 329,108
5 Claims. (Cl. 8—36)

4. A process of dyeing wool fiber, which comprises pretreating the same in an aqueous bath containing a sulfur-containing vat-reducing agent in quantity not exceeding 3 ounces per gallon, but no added alkali and no coloring matter, and heating the treated fiber; then rinsing the fiber and dyeing the same from an alkaline aqueous bath containing a reduced vat dye of the group consisting of anthraquinone vat dyes and indigoid vat dyes, the time of dyeing not exceeding 3 minutes; and finally subjecting the dyed fiber to an oxidation treatment, to reoxidize the dye on the fiber.

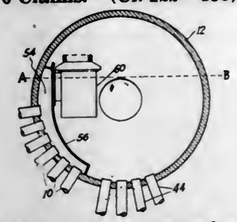
2,297,702
PROCESS OF TREATING ANIMAL FIBERS
Gustave Theodore Hug, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 18, 1941, Serial No. 403,074
7 Claims. (Cl. 8—47)

1. A process for treating animal fiber whereby to increase its affinity for organic compounds which dissolve in water only after transformation into an OM-type compound, wherein M stands for an alkali-metal, which comprises impregnating said animal fiber with a sulfur-containing vat reducing agent, the concentration of the agent and the temperature and duration of the treatment being less than those which would reduce the fiber to a rubber-like condition, and subjecting the fiber to heat at a temperature between 160 and 300° F.

2,297,703
PROCESS OF TREATING ANIMAL FIBERS
Gustave Theodore Hug, Penns Grove, N. J., and George Oläf Linberg, Newton, Mass., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 30, 1941, Serial No. 404,616
9 Claims. (Cl. 8—36)

1. A process for treating animal fiber whereby to increase its affinity for organic compounds which dissolve in water only after transformation into an OM-type compound, wherein M stands for an alkali-metal, which comprises impregnating said animal fiber with a reagent selected from the group consisting of the water-soluble bisulfites and water-soluble hydrosulfites, the quantity of agent employed being less than that which would reduce the wool to a rubber-like condition, and drying the fiber at a temperature not less than 160° F.

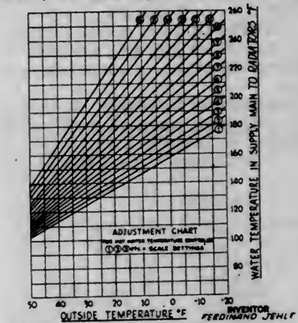
2,297,704
FLUID SYSTEM
Ernest Carl Huge, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application August 12, 1939, Serial No. 289,766
6 Claims. (Cl. 122—488)



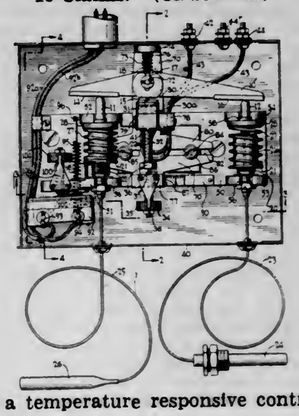
1. In a fluid separator, means forming an exterior chamber in which there is a liquid level, means forming an upright whirl chamber disposed within the exterior chamber, fluid confining means directing a fluid mixture substantially tangentially into the whirl chamber from a position exteriorly of the first mentioned chamber, an auxiliary separator including elements disposed across an outlet for lower density fluid at the top of the whirl chamber, there being an auxiliary outlet disposed between the auxiliary separator and said inlet and affording free communication between the whirl chamber and the space of the exterior chamber above said liquid level, and means forming a restricted outlet for separated water at the lower end of the whirl chamber.

2,297,705
METHOD OF ADJUSTMENT FOR TEMPERATURE CONTROLLERS
Ferdinand Jehle, New Canaan, Conn., assignor to Hoffman Specialty Co., Inc., Stamford, Conn., a corporation of Illinois
Application August 3, 1940, Serial No. 350,637
3 Claims. (Cl. 236—91)

1. A method for regulating a heating system for an enclosure subject to varying outside temperatures composed of a thermal control element in said system having an adjustment means including a pointer means and cooperating scale, for varying the heat supply to the said system upon changes in the outside temperature and changes in the temperature of said heat supply to maintain said enclosure at a substantially constant temperature which comprises, providing a graph chart applicable to said enclosure and similar enclosures of diverse radiation characteristics having lines along one axis setting out exterior temperatures and lines along another axis setting out heat supply temperatures and intersecting the first mentioned lines, said chart also having a plurality of superimposed oblique lines, the directions of which are determined by the ratio of the variation of outside temperatures with the variations of the heat supply temperatures at a specific constant enclosure temperature, said oblique lines indicating positions of the said adjustment means adapted to maintain the constant temperature within such enclosures at varying outside temperatures and varying heat supply temperatures, observing by means of a thermometer, at any specific outside temperature, the heat supply temperature necessary to maintain said enclosure at the substantially constant inside temperature, and determining from said chart the oblique line indicating the proper position of said adjustment means by ascertaining the intersection point of the line showing the observed heat supply temperature and the line showing the specific outside temperature and then ascertaining which oblique line passes through or nearest to said intersection point, and then moving said element along said scale such that the pointer means is set upon the scale at the point thereon corresponding to the setting predetermined by the oblique line on the chart.



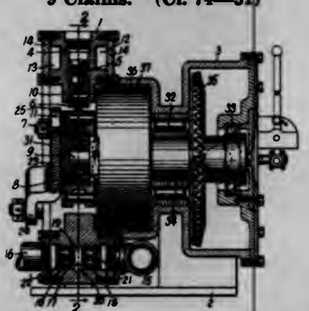
2,297,706
TEMPERATURE CONTROLLER
Ferdinand Jehle, New Canaan, and Austin O. Roche, Jr., Stamford, Conn., assignors to Hoffman Specialty Co., Inc., Stamford, Conn., a corporation of Illinois
Application August 3, 1940, Serial No. 350,638
15 Claims. (Cl. 200—83)



1. In a temperature responsive control device

the combination of a lever arm, a switch actuated thereby and a plurality of thermally responsive expansion elements mounted in spaced relationship with said arm and switch and having means for engaging the lever arm to change its position relative to said switch, the switch being opened or closed by changes in the position of said lever arm caused by the expansion or contraction of said thermally responsive expansion elements, and means to permit adjustment of the position of said switch and the pivot point of said lever arm simultaneously relative to said thermally responsive expansion elements.

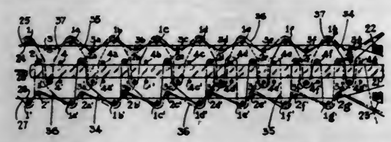
2,297,707
MECHANICAL MOVEMENT
Joseph F. Joy, Franklin, Pa., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Original application February 14, 1940, Serial No. 190,413. Divided and this application July 31, 1940, Serial No. 348,849
9 Claims. (Cl. 74—51)



1. In combination, a series of cylinders containing reciprocable pistons, a crank pin, an annulus surrounding said crank pin and in which the latter has a bearing, connecting rods connecting said annulus to said pistons, said pistons being operatively connected with said crankpin through said annulus and said connecting rods, and means including a member having a connection with said annulus providing for guided bodily movement of said annulus relative to said member, for preventing angular movement of said annulus upon its axis.

2,297,708
METHOD OF MAKING PILE FABRICS
Frank M. Kaufman, Merion, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application October 11, 1941, Serial No. 414,558
11 Claims. (Cl. 139—21)

1. In the weaving of two pile fabrics simultaneously face to face on a loom equipped with stationary warpwise gauges having free ends, the steps which include laying wefts on both sides of the gauges, interlacing alternate wefts on one side of the gauges with ground warps to form ground, leaving the other alternate wefts free of ground warps to form face wefts, interlacing alternate pairs of successive wefts on the other side of the gauges with ground warps to form ground, leaving the other alternate pairs of successive wefts free of ground warps to form face wefts, securing pile forming warp yarns simultaneously to each ground by looping the said yarns about and between three successive ground wefts, then looping the pile yarns of each ground about a face weft located between the gauges and the opposite ground, then looping each said pile yarn about a face weft located between the gauges and the ground to which the pile yarn is first secured, the two face wefts about which each pile yarn is looped being in next adjacent vertical weft planes, and then



securing each of the said pile yarns to the opposite ground by looping about and between three successive ground wefts, weaving the interconnected grounds off the ends of the gauges, spreading the grounds apart and severing the interconnecting pile yarns to form cut pile W-tufts.

2,297,709
HOT-MELT COATING COMPOSITION COMPRISING CELLULOSE ETHERS
Toivo A. Kauppi and Earle L. Kropscott, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 16, 1939, Serial No. 273,965
3 Claims. (Cl. 106—173)

1. A hot-melt coating composition adapted to form non-blocking coatings, consisting of 100 parts of the following ingredients, each in a proportion to constitute a percentage of said 100 parts within the range recited below:

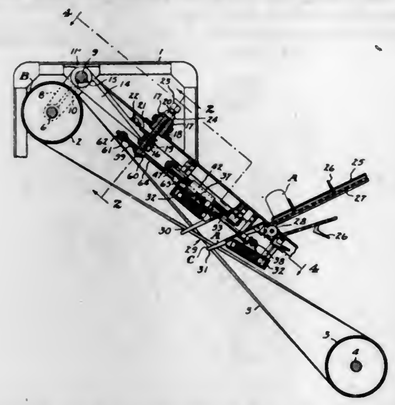
Ethyl cellulose (47–49% ethoxyl) viscosity type below 40 centipoises)	5 to 20
Hydrogenated castor oil (M. P. above 50° C.)	25 to 55
Compatible resin selected from the class consisting of rosin, ester gum, dewaxed gum dammar, non-setting alkyl type resins, oil-soluble phenol-formaldehyde resins, and mixtures thereof	15 to 40
Mineral wax (M. P. above 40° C.)	15 to 30

the said composition having a viscosity below 3000 centipoises at about 100° C., and, at coating thicknesses of 0.0003 inch or more, being capable of reducing the moisture transmission of paper to below 30 grams per square meter per day.

2,297,710
SLICING MACHINE
Arthur A. Kottmann and Harold H. Mohl, Davenport, Iowa, assignors, by mesne assignments, to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Maryland
Application November 26, 1940, Serial No. 367,254
8 Claims. (Cl. 146—88)

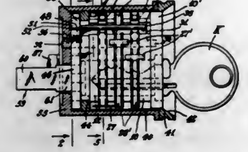
1. In a band blade slicing machine, a supporting structure, a pair of spaced drums rotatably mounted on the structure, the mounting means for one of the drums including a member actuable to shift such drum toward and away from the other drum, a plurality of endless cutter bands trained around the drums in side by side relation, guides individually engageable with the runs of the cutters intermediate the drums to space the cutter runs for movement in approximate parallelism through a slicing zone, means having connection with the guides and operative

to vary the spacing of the guides with respect to one another, and means connecting said operative means with said member to effect shifting of the



shiftable drum concurrently with the variations in spacing of the cutter runs by the guides to provide for drawing together of the band drums upon an increase in spacing of the cutter runs.

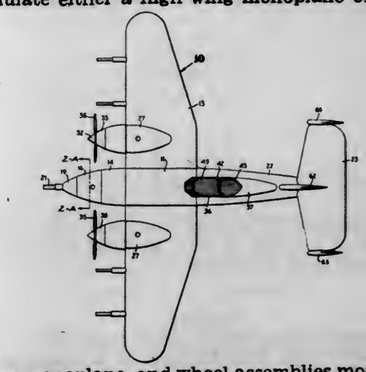
2,297,711
COMBINATION KEY AND PERMUTATION LOCK
Oscar V. Lalonde, Bronx, N. Y.
Application August 24, 1940, Serial No. 354,032
13 Claims. (Cl. 70—285)



1. In a lock of the type described, a key controlled rotary member for actuating bolt mechanism, and a permutation controlled rotary member for actuating the bolt mechanism, said rotary members being in substantially side-by-side relation and being substantially concentric, each of said rotary members being rotatable while the other is held against rotation.

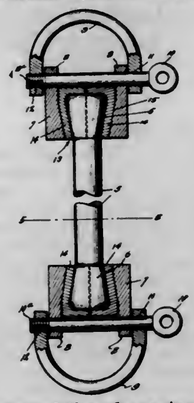
2,297,712
INTEGRATED MODEL AIRPLANE
Howard M. McCoy, Pasadena, Calif.
Application June 11, 1941, Serial No. 397,567
6 Claims. (Cl. 46—17)

1. A combination set of integrated model airplane parts comprising a plurality of contoured, elongated, body parts having planar abutting ends representing the fuselages of different types of airplanes, an elongated rearwardly tapered part representing the rear part of a fuselage and having a planar face abutting a planar face on the rear of the adjacent body part, means to hold said parts in axial alignment and to prevent relative rotation between the parts, a rudder and an elevator mounted on said rear part, one of said body parts having a wing receiving recess, a wing engaging in said recess, said wing being symmetrical and the body part being rotatable through 180° so that the wing may be arranged to simulate either a high wing monoplane or a low



wing monoplane, and wheel assemblies mountable on either side of said wing.

2,297,713
HIGH-TENSION INSULATOR
Jacobus R. Nelis, Leiden, Netherlands
Application June 12, 1941, Serial No. 397,805
1 Claim. (Cl. 174—207)

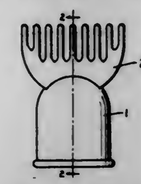


In an insulator of the character described, an insulator body of dielectric material, and in the form of a rod having integral tapered knobs at the respective opposite ends thereof, said knobs respectively increasing in diameter from the point of merger with the rod to the extremity of said knob, a cap for each of the knob-equipped ends of said body, said cap being of substantially cylindrical form and provided with a tapered bore, a sectional tapered bushing seated in said bore and conformably embracing said knob, a connecting bail, and a pivot bolt engaging said bail and cap at one end of the latter, and extending diametrically of the cap in a manner to act as a stop for preventing axial separation of said cap, bushing and knob-equipped end of the insulator body.

2,297,714
COMBING AND MASSAGE DEVICE
Betty Ruth Nesbitt, Los Angeles, Calif.
Application June 9, 1941, Serial No. 397,165
9 Claims. (Cl. 132—9)

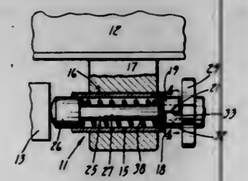
1. In a device of the character described, the combination which comprises a thimble, and a

toothed member mounted thereon, said toothed member having a plurality of teeth in a row and



being adapted to extend from the end of said thimble in a plane at least substantially including the axis of said thimble.

2,297,715
PRESSURE REGULATING DEVICE
Elof Nordstrom, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 29, 1940, Serial No. 343,305
3 Claims. (Cl. 74—504)

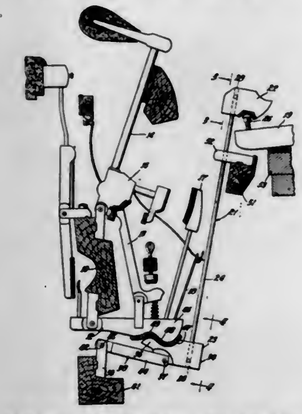


1. A manually operable pressure regulating device for exerting a predetermined pressure between a pair of relatively movable machine parts, comprising a carrier member threadedly engaged in one of said machine parts and movable in a lineal direction relative thereto, a pressure member disposed within said carrier member and movable relative thereto, resilient means disposed between said members for forcing the pressure member against the other of said machine parts with a predetermined pressure, and actuating means engageable with said carrier member for moving the same through its threaded engagement with its said machine part in a lineal direction relative to said pressure member to exert and control pressure on said resilient means, and means for automatically disengaging said actuating means from said carrier member when a predetermined maximum pressure is reached, to prevent further increase of said pressure on said other machine part.

2,297,716
METHOD OF PRODUCING ALKYD RESINS
Ralph H. Potts, La Grange, and John E. McKee, Western Springs, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 23, 1938, Serial No. 192,183
11 Claims. (Cl. 260—22)

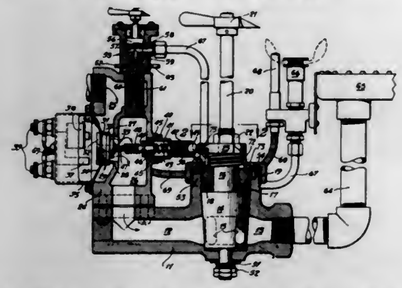
1. The process of producing an alkyl resin, which comprises subjecting cottonseed oil to hydrolysis, subjecting the resulting mixture of cottonseed oil fatty acids to fractional distillation, withdrawing at least 20 per cent of the fatty acids from the process as a low boiling overhead fraction, and reacting the remaining high boiling fatty acid composition with a polyhydric alcohol and a dibasic carboxylic acid.

2,297,717
PIANO ACTION
Julian C. Potwin, Ivoryton, Conn., assignor to Pratt, Read & Company, Ivoryton, Conn., a corporation of Connecticut
Application September 30, 1941, Serial No. 413,020
5 Claims. (Cl. 84—240)



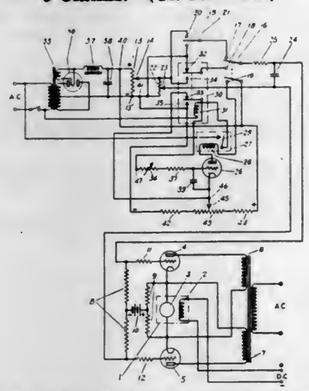
1. An abstract for a piano action including a wire lifter and an end member at one end of the wire lifter having longitudinally extending side faces, with a groove in one of said faces extending in the direction of said lifter and substantially transversely of said end member, said lifter being of substantially hook shape at said one end, with the free end of said hook anchored in said body member, and at least one other portion of said hook being disposed in said groove to retain said end member in a fixed position on said lifter wire.

2,297,718
FLUID CONTROL VALVE
William A. Ray, Glendale, Calif.
Application February 19, 1940, Serial No. 319,735
10 Claims. (Cl. 137—139)



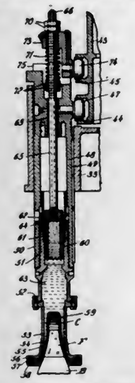
1. The combination with a plug valve and means for rotating the same between open and closed positions, of a safety valve connected to the inlet of said plug valve and comprising a valve member biased to closed position and electromagnetic means effective when energized to retain said valve member in open position against said bias when said valve member is first mechanically moved to said open position, and means operated by the movement of said plug valve rotating means for moving said safety valve member to and holding it in said open position only while maintaining said plug valve closed.

2,297,719
CONTROL CIRCUIT
Howard A. Satterlee, Needham, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application December 22, 1938, Serial No. 247,208
9 Claims. (Cl. 172—240)



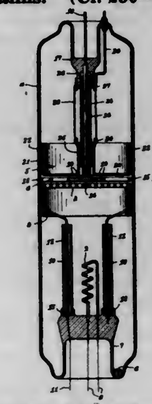
1. In a system for the control of rotation of an object driven by a motor supplied with power from a device responsive to a change in polarity and magnitude of an applied potential for changing the direction of rotation and speed respectively of said motor, means for controling said applied potential including a potential source, and means for cyclically reversing the polarity of the potential from said source including reversing relay means and a time-measuring circuit for controlling the operation of the relay means.

2,297,720
FOIL APPLYING APPARATUS FOR BOTTLES
Charles Schmutzer, Irvington, and Kurt Manrodt, Newark, N. J., assignors to Hoffman Beverage Company, Newark, N. J., a corporation of New Jersey
Application February 11, 1939, Serial No. 255,798
3 Claims. (Cl. 226—85)



3. In apparatus for applying sheet material to the neck of a bottle, the combination of a recessed member, a flexible sheath therein for receiving the neck of the bottle to be treated, and normally having internal dimensions and a shape substantially conforming to those of the neck of said bottle, said sheath being sealed to said member and forming a chamber therewith, a supply of fluid communicating with said chamber, and means for first creating a suction on said fluid to expand said sheath to larger than its normal size to admit the neck of the bottle and a piece of sheet material into said sheath and then reducing the suction on said fluid to contract said sheath upon the neck of said bottle to apply the sheet material thereto.

2,297,721
ELECTRICAL GASEOUS DISCHARGE CONTROL DEVICE
Charles G. Smith, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 30, 1940, Serial No. 348,493
4 Claims. (Cl. 250—27.5)



1. In a gaseous discharge structure containing an ionizable gas and having a cathode and an anode between which an ionic discharge is adapted to occur, an auxiliary electrode having openings therein for the passage of the discharge therethrough, said electrode being interposed between the cathode and anode in the path of the discharge and having its effective surfaces spaced a distance of the order of the mean free path of the electrons in said discharge or less from the anode, said electrode cooperating with the discharge structure to substantially isolate a limited region between it and the anode from a larger region between said electrode and the cathode, the openings within said electrode being so large and the gas pressure so high that cumulative intense ionization occurs within the limited region during a discharge from the cathode to the anode, a deionizing control electrode arranged between the anode and auxiliary electrode within the limited region, said electrode being provided with a relatively large surface for rapid deionization of the ions within the limited region and being arranged for the passage of the discharge therethrough, and means restricting the discharge to a path through the auxiliary electrode and the deionizing control electrode.

2,297,722
TREATMENT OF STYRENE TYPE COMPOUNDS
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application April 4, 1939, Serial No. 265,940
8 Claims. (Cl. 260—91)

1. A process for polymerizing a light oil frac-

tion having as a principal constituent an aromatic olefine containing the styrene structure as a nucleus which comprises polymerizing said fraction by means of heat in a container having its surfaces in contact with said fraction of zinc and free from substantial amounts of copper and iron.

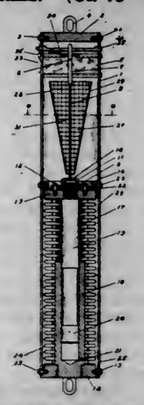
2,297,723
TREATMENT OF STYRENE TYPE COMPOUNDS
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application April 4, 1939, Serial No. 265,941
8 Claims. (Cl. 260—91)

1. A process for polymerizing a light oil fraction having as a principal constituent an aromatic olefine containing the styrene structure as a nucleus which comprises polymerizing said fraction by means of heat in a container having its surfaces in contact with said fraction of magnesium and free from substantial amounts of copper and iron.

2,297,724
TREATMENT OF STYRENE TYPE COMPOUNDS
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application June 3, 1939, Serial No. 277,166
8 Claims. (Cl. 260—91)

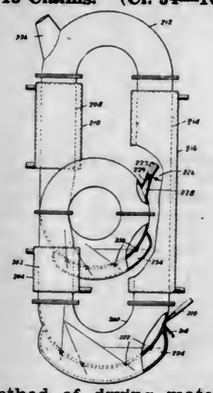
1. A process for polymerizing a light oil fraction having as a principal constituent an aromatic olefine containing the styrene structure as a nucleus which comprises polymerizing said fraction by means of heat in a container having its surfaces in contact with said fraction of nickel and free from substantial amounts of copper and iron.

2,297,725
BATHYTHERMOGRAPH
Athelstan F. Spilhaus, University Heights, N. Y., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application August 10, 1938, Serial No. 224,074
7 Claims. (Cl. 73—345)



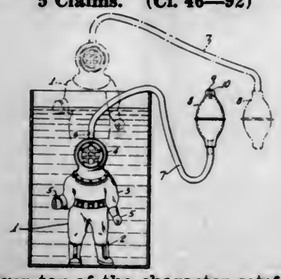
1. A bathythermograph comprising a hydrostatic pressure-responsive element, a temperature-responsive element, a record plate, a stylus for marking on said plate, means mounting said stylus on said temperature element so as to be actuated thereby in one direction and means mounting said temperature element upon said pressure element so that said stylus is actuated by the latter in a direction substantially at right angles to its direction of actuation by said temperature element, whereby said stylus describes a path which is the resultant of pressure and temperature deflections.

2,297,726
METHOD AND APPARATUS FOR DRYING OR THE LIKE
Nicholas N. Stephanoff, Haverford, Pa., assignor to Thermo-Plastics Corporation, Elizabeth, N. J., a corporation of New Jersey
Application April 2, 1938, Serial No. 199,687
15 Claims. (Cl. 34—10)



2. The method of drying material including passing elastic fluid into a receiver through a nozzle to produce a jet having in at least a portion thereof a velocity of flow at least equal to the velocity of sound in the fluid of the jet having the same pressure and temperature as said portion of the jet, introducing into said portion of the jet at a comparatively low velocity the material to be dried whereby the material is accelerated and subjected to a relatively high velocity stream of the jet fluid, and separating the dried material from the spent fluid and vapor.

2,297,727
DIVER TOY
Paul V. Svoboda and Albert I. Drosin, New York, N. Y.
Application October 16, 1941, Serial No. 415,178
5 Claims. (Cl. 46—92)

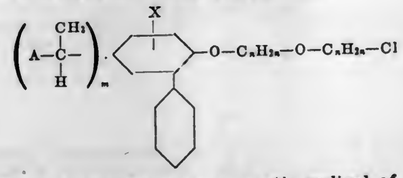


1. A diver toy of the character set forth comprising a hollow figure open at one end, a rubber bulb having one end in air communication

through a flexible tube with the closed end of said figure, and the other end of said bulb having an atmospheric outlet controlled by a ball valve, said ball resting by gravity upon the valve seat in one position of the rubber bulb but adapted to be removed from said seat in another position of said rubber bulb.

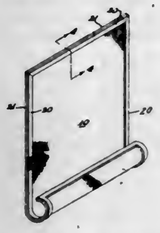
2,297,728
ETHERS OF SUBSTITUTED PHENYL-PHENOLS
Fred Lowell Taylor and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 21, 1940, Serial No. 371,143
8 Claims. (Cl. 260—613)

1. A compound having the formula



wherein A represents an aromatic radical of the benzene series, X is a member of the group consisting of halogen, lower alkyl, and hydrogen, *m* is an integer not greater than 2, and *n* is an integer from 2 to 4, inclusive.

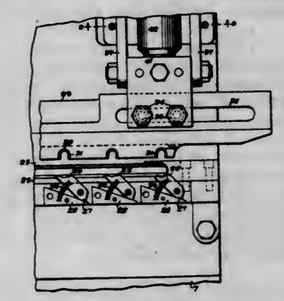
2,297,729
SCREEN FRAME
Harry W. Thomas, Miami Beach, Fla.
Application March 16, 1940, Serial No. 324,394
9 Claims. (Cl. 156—14)



1. A flexible, rollable screen having resilient spaced, single filament strands of a synthetic non-metallic resinous material, said strands being thermally set in resilient interengagement with each other, and an edge binding therefor; said edge binding being thermally formed upon the edge of said screen and comprising a non-metallic tape, flexible, rollable and resilient with said screen.

2,297,730
TRANSFER MECHANISM
Joseph E. Turnock, Riverton, N. J., and Gerard D. Noble, Philadelphia, Pa.
Original application March 27, 1940, Serial No. 326,208. Divided and this application November 13, 1941, Serial No. 418,994
3 Claims. (Cl. 198—225)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a machine, a guideway for horizontal travel of objects, spaced fingers for yieldingly holding said objects at intervals on the path of travel, a transfer bar having means for engaging the objects to move them from finger to finger, means for reciprocating the bar over a stroke equal to the spacing between adjacent fingers, resilient



means for advancing the bar towards the fingers to engage the objects for movement at one end of its stroke and means for retracting the bar from engagement with said objects at the other end of the stroke.

2,297,731
PROCESSES FOR RENDERING TEXTILES WATER REPELLENT
Ernst Waltmann and Edgar Wolf, Krefeld, Germany, assignors to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
No Drawing. Application August 10, 1939, Serial No. 289,395. In Germany February 19, 1936
4 Claims. (Cl. 8—120)

1. A process for ennobling textile material which comprises impregnating the material with a carbamic acid chloride having the formula R.CONH.COCl, in which formula R is a higher molecular radical containing an alkyl radical of at least 10 carbon atoms and with the impregnated material substantially dry, heating it at an elevated temperature to increase the water-repellency thereof.

2,297,732
PHOTOGRAPHIC COLOR PROCESS INVOLVING THE FORMATION OF AZO DYE IMAGES
David W. Woodward, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 15, 1940, Serial No. 335,416
23 Claims. (Cl. 95—2)

1. A photographic color process which comprises exposing a photographic element bearing at least one light-sensitive silver halide emulsion layer containing an immobile dye intermediate capable of forming (1) a dye by color forming development and (2) an azo dye, said intermediate being a colloid containing a substituent taken from the group consisting of sulfonic and carboxylic acid radicals and water-soluble salts thereof which is further characterized by being soluble to the extent of at least 0.5% in 5% aqueous sodium carbonate at 25° C., color developing the exposed areas, forming an azo dye in the remaining areas, and bleaching the color developed dye images to colorless products which remain in said layer.

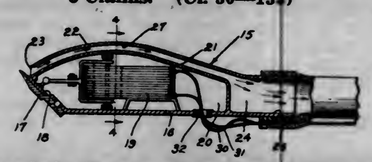
2,297,733
MANUFACTURE OF TRINITROTOLUENE OF HIGH PURITY
Joseph A. Wyler and Richard N. Boyd, Allentown, Pa., assignors to Trojan Powder Company, Allentown, Pa.
No Drawing. Application December 26, 1940, Serial No. 371,823
1 Claim. (Cl. 260—645)

In the process for the purification of trinitrotoluene the step which comprises rapidly stirring a hot mixture of an impure trinitrotoluene containing asymmetric trinitrotoluene and water, said mixture of trinitrotoluene and water being at a temperature of not less than 80° C. and consisting of one part of trinitrotoluene to from 0.75 to 1.50 parts by weight of water, then slowly cooling said mixture, under continued stirring, to below the solidification temperature of the trinitrotoluene in the mixture.

2,297,734
STABILIZATION OF NITRATED CARBOHYDRATES
Joseph A. Wyler and Richard N. Boyd, Allentown, Pa., assignors to Trojan Powder Company, Allentown, Pa.
No Drawing. Application December 26, 1940, Serial No. 371,824
10 Claims. (Cl. 260—223)

1. The process for stabilizing a nitrated carbohydrate which comprises simutlaneously contacting the nitrated carbohydrate with a water solution of sodium bicarbonate, having a pH of 7.1 to 8.2 and a 0.2% (by weight) solution of dicyandiamide in water, at a temperature of 10° to 30° C.

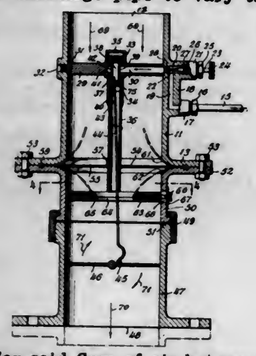
2,297,735
HAIR CLIPPER
Fred D. Allen, Knoxville, Tenn.
Application May 26, 1939, Serial No. 275,985
3 Claims. (Cl. 30—131)



1. In a hair clipper, a clipper head having a bottom wall, side walls, an intermediate and a top wall, said intermediate wall and bottom wall cooperating with said side walls to define a compartment, clipper members carried at the forward end of the clipper head, and a motor in said compartment and operatively connected with one of the clipper members, said top wall and intermediate wall being spaced to define an unobstructed suction passage.

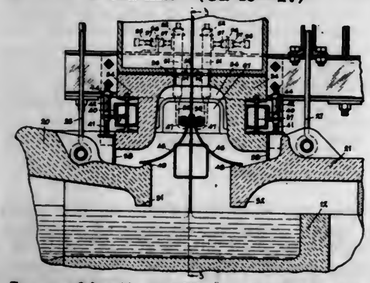
2,297,736
CARBURETOR
Anthony Aymar, New York, N. Y.
Application July 11, 1941, Serial No. 401,937
1 Claim. (Cl. 261—51)

In combination with a fuel tank and a throttle valve plate; a carburetor, comprising a casing having openings formed therein for the flow of air therethrough, a fuel control member situated within said casing and having a passage formed therein for the fuel, means connected with said fuel control member and said casing for transmitting fuel directly from said fuel tank to the passage of said fuel control member, a fuel discharge pipe carried by said fuel control member and having an end situated within said flow of air, a diaphragm having the form of an annular plate consisting of resilient blades situated within said casing and extending transversely thereto, said resilient blades being bendable in two opposite directions in relation to said fuel discharge pipe to vary the area of a



passage for said flow of air between said blades and said fuel discharge pipe, a valve in said fuel control member, means connecting said valve with said throttle valve plate, whereby said valve is actuated by said throttle valve plate, and a stop member situated within said casing between said diaphragm and said throttle valve plate and having surfaces adapted to be engaged by the bent resilient blades to prevent further bending of said blades.

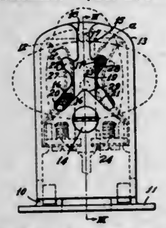
2,297,737
SHEET-GLASS FORMING APPARATUS
George W. Batchell, Toledo, Ohio
Application June 17, 1939, Serial No. 279,714
2 Claims. (Cl. 49—17)



2. In combination with a glass furnace having a forebay, and means for drawing sheet glass from the forebay in a vertical plane; a pair of polished, sheet metal, heat-resisting plates located on opposite sides of the said plane; a pair of water-cooled pipes for pivotally supporting the upper ends of the plates, the plates extending from opposite sides of the said plane and contiguous to the said plane and downwardly and away from the said plane and over the glass of the forebay to reflect the heat of the forebay to the surface of the glass of the sheet as it is being drawn from the forebay; a pair of adjustable blocks spaced from said plane and extending downwardly from the lower ends of the plates to near the surface of the glass of the forebay and forming an enclosure between the blocks and the plates; means for adjusting the

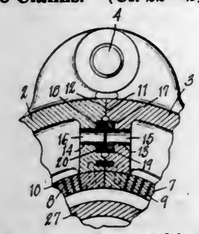
height of the said blocks and operative to tilt the said plates toward and away from the said plane; means located exterior to the forebay for raising and lowering the pipes to raise and lower the upper ends of the plates and vary the angle of the plates with reference to each other and the said plane; the forebay having a dome located above the glass of the forebay and having a chamber through which the said plane extends and formed above the said plates and blocks; a pair of plates located intermediate the adjustable blocks and the outer lateral surfaces of the said dome; and means for adjusting the last named pair of plates upon the adjustment of the said blocks to regulate the effective area of opening between the blocks and the lower surface of the dome.

2,297,738
LAMP HOLDER
James F. Beal, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application January 28, 1942, Serial No. 428,482
11 Claims. (Cl. 173—328)



1. A lamp holder for use with double-ended electric lamps having a tubular envelope and pairs of spaced contact pins at each end thereof comprising, a hollow housing member having a base portion for mounting it on a supporting surface, a pair of resilient contact members mounted within the housing, said housing having a slot in one face thereof adjacent the contact members for receiving the contact pins of the lamp, said slot having a plurality of pairs of opposed guiding and locking portions, each pair of guiding and locking portions of the slot being disposed in a common plane positioned at a predetermined angle to the longitudinal axis of the housing, whereby the lamp may be inserted into the holder in a plurality of positions to selectively position the envelope without turning the lamp end-for-end.

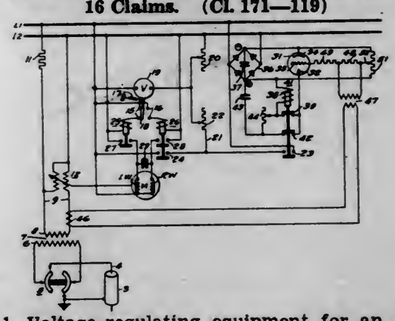
2,297,739
STEREOTYPE CASTING BOX
James L. Blackley, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich.
Application September 22, 1939, Serial No. 296,127
8 Claims. (Cl. 22—2)



8. In a casting box, the combination of a sta-

tionary hollow drag and a movable hollow cope hinged together each having a semi-cylindrical recess registering with a similar recess in the other and having perforations in the walls of said recesses communicating with the hollow portions of said drag and cope, means for creating a vacuum, stationary connections therefrom to the hollow portion of said drag, a port in said drag and a port in said cope, said ports registering with one another when said cope and drag are in closed position to form a communicating passage between the hollow portions of said cope and drag.

2,297,740
VOLTAGE-REGULATING EQUIPMENT FOR PRECIPITATORS OR THE LIKE
Myron J. Brown, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 26, 1940, Serial No. 362,944
16 Claims. (Cl. 171—119)

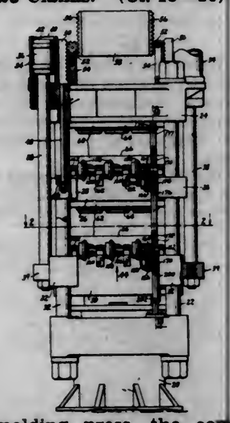


1. Voltage-regulating equipment for an electrical load-device having a desirable operating-range in which a predetermined rate of occurrence of predetermined, randomly recurrent, transient, voltage-responsive current-increases is maintained between predetermined limits, comprising a supply-circuit for said load-device, voltage-regulating means associated with said supply-circuit, means for obtaining discrete current-responses to said transient current-increases, means for prolonging said discrete current-responses for short predetermined times, said short predetermined times being less than the longest expectable time-interval between successive transient current-increases, a timing-device having two different operational conditions, means for normally causing said timing-device to change from a first one of its operational conditions to its second operational condition at a first predetermined speed which is substantially independent of the electrical conditions of said load-device, means responsive to each of said prolonged discrete current-responses for causing said timing-device to change in the opposite direction at a second predetermined speed which is substantially independent of the electrical conditions of said load-device, said first and second predetermined speeds being both so slow that said timing-device completes only a part of a complete change from one operational condition to the other during one of said short predetermined times, means for adjusting at least one of the factors determining the part of said complete change which is effected during one of said short predetermined times in at least one of the directions of change of said timing-device, means for making a lowering adjustment of said voltage-regulating means when said timing-device reaches its first operational condi-

CARNEGIE LIBRARY OF ATLANTA

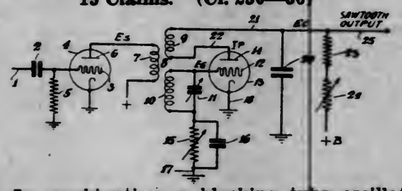
tion, and means for making a raising adjustment of said voltage-regulating means when said timing-device reaches its second operational condition.

2,297,741
BATTERY COVER MOLD
Ray A. Bruner, Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 21, 1936, Serial No. 101,704
23 Claims. (Cl. 18—16)



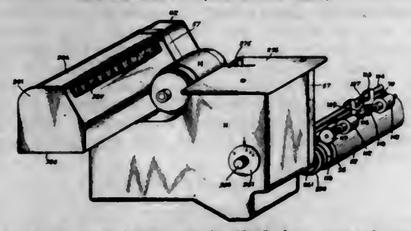
6. In a molding press, the combination of aligned pairs of cooperating molds defining cavities, one mold of one pair being stationary and all other molds being movable; a single ram for opening all pairs of molds successively; threaded cores rotatably mounted in the cavities of one mold of each pair; pins reciprocable in said one mold of each pair and into the cavities thereof and adapted to fit into bushings in said cavities during molding and to assist in the ejection of the molded articles from the molds as the pins are gradually withdrawn from the molded-in bushings by short reciprocations; means for each pair of molds and responsive to opening to the molds thereof for rotating the cores to unscrew from the threaded holes of the molded articles; and manually operable means for each pair of molds to reciprocate the pins thereof simultaneously and in the same direction.

2,297,742
BLOCKING TUBE OSCILLATOR FOR TELEVISION
Richard L. Campbell, Hasbrouck Heights, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application July 15, 1941, Serial No. 402,498
15 Claims. (Cl. 250—36)



1. In combination, a blocking tube oscillator suitable for generating control pulses for sawtooth waves, and means for applying bursts of carrier frequency energy to said oscillator to trigger the same.

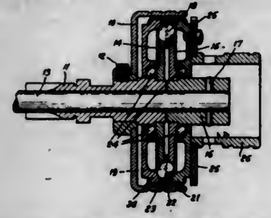
2,297,743
PAPER FEEDING DEVICE
Fred M. Carroll and Derk J. Oldenboom, Binghamton, N. Y., assignors to International Business Machines Corp., New York, N. Y., a corporation of New York
Application August 22, 1936, Serial No. 97,372
21 Claims. (Cl. 235—61.7)



1. In a machine controlled by record cards arranged in groups, means under control of said cards for printing on a sheet, a movable platen for supporting said sheet, means for moving said platen away from said printing means and back again, devices for controlling said platen moving means, means for detecting when there is a change in card groups, intermediate instrumentalities under control of detecting means and activated upon a change in card groups, means under control of said instrumentalities for effecting operation of said controlling devices for initiating operation of said platen moving means to move the platen away from the printing means, and means for initiating operation of said moving means to move the platen back near the printing means.

18. In a printing machine for posting lines of printed data on a ledger sheet with a line of feed control perforations, there being one control perforation for each line of print, means for sensing said perforations, a sheet feeding means, means under control of said sensing means for operating said feeding means to feed the sheet and bring it near print receiving position, other means for sensing said perforations after they pass the first mentioned sensing means, a line space feeding means for operating the first mentioned feeding means, and means under control of said other sensing means for operating said line space feeding means to shift the sheet into position to be printed upon directly under the last line of print.

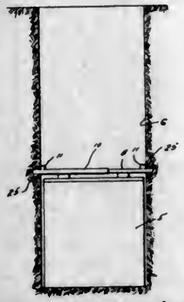
2,297,744
VERNIER MECHANISM
Fred M. Carroll, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 3, 1941, Serial No. 391,731
2 Claims. (Cl. 74—302)



1. A vernier mechanism for adjusting relative position between two axially aligned shafts comprising two disks with unequally beveled facing

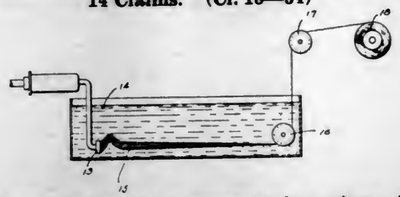
portions, each desk being supported on the end of one of the said shafts, two cup shaped members surrounding the said disks, the inner edges of the said cup shaped members being beveled with unequal angularity, a plurality of balls mounted in the race formed by the outer periphery of the said disks and the inner periphery of the said cup shaped members and contacting the said beveled portions, means for securing the said cup shaped members together for unitary movement and for supplying pressure to the contacting balls, and means connected to the said cup shaped members for rotating the latter to cause relative rotation between the said disks and their related shafts through rolling contact of the said balls with the beveled portions of said cup shaped members and the beveled portions of the said disks when one of the latter is held from rotating.

2,297,745
GRAVE BOX COVER
William Hobart Cawood, Middleboro, Ky.
Application September 3, 1941, Serial No. 409,428
3 Claims. (Cl. 27—30)



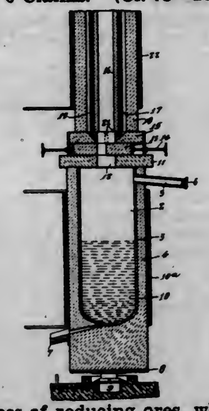
1. A protective cover for grave boxes when said boxes are positioned in a grave, said cover comprising a plurality of rigid plates, and means slidably connecting the plates for extensible movement laterally in the grave.

2,297,746
PROCESS FOR THE PRODUCTION OF CELLULOSIC STRUCTURES
William Hale Charch and William Frederick Underwood, Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 17, 1940, Serial No. 361,604
14 Claims. (Cl. 18—54)



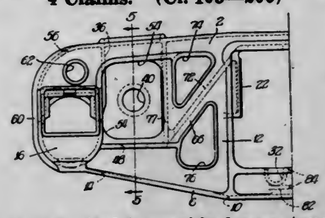
1. The process of crimp-spinning crimpy filaments which comprises extruding viscose, in the form of filaments, into a setting bath which has a sufficiently rapid coagulating action, relative to any regenerating action thereof, to completely coagulate said filaments prior to any substantial regeneration thereof, and drawing said filaments from the point where they are extruded into the bath, the velocity of extrusion being at least 4 times the velocity of the draw-off, said coagulating bath containing dissolved therein, as a crimp-continuity preserving agent, at least 0.05% of surface-active material having a solubility of at least 0.01% by weight in a 5% aqueous solution of sulfuric acid whereby to increase the continuity of uniform crimp formation in the spun filaments.

2,297,747
PROCESS AND APPARATUS FOR REDUCING ORES
Walter Gordon Clark, Los Angeles, Calif., assignor to Clarkiron, Inc., Los Angeles, Calif., a corporation of Nevada
Application August 19, 1941, Serial No. 407,495
6 Claims. (Cl. 75—10)



1. A process of reducing ores, which comprises heating carbon elements by inducing electric currents therein, passing the hydrocarbon gas over said carbon elements to be heated thereby to a desired reaction temperature, then passing the hydrocarbon gas through a narrow reducing zone enclosed by and likewise heated by said carbon elements, and causing oxide ore to descend through said reducing zone countercurrently to the movement of said hydrocarbon gas.

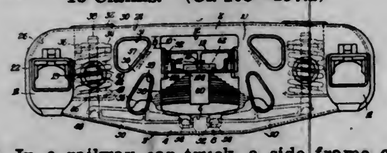
2,297,748
SIDE FRAME
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 13, 1940, Serial No. 369,922
4 Claims. (Cl. 105—206)



1. In a cast steel truss side frame, tension and compression members merging at corresponding ends with integral journal boxes, spaced columns forming therewith a bolster opening, said tension member having a box section beneath said opening and comprising spaced vertical walls outwardly of said columns, spring pockets integrally formed in said frame adjacent each journal box, each of said pockets being defined by a wall of

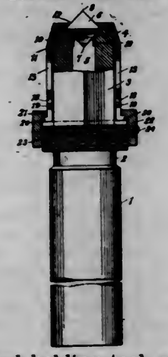
the adjacent box, a spaced vertical wall, a bottom wall merging with said tension member, and an inboard wall extending between said tension and compression members at one side of said pocket, and a diagonal strut at each side of said frame extending from the juncture of the adjacent column with said compression member diagonally downward to merge with the lower corner of the adjacent spring pocket and merging at said corner with said bottom wall and said inboard wall.

2,297,749
TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 13, 1940, Serial No. 369,923
13 Claims. (Cl. 105—197.1)



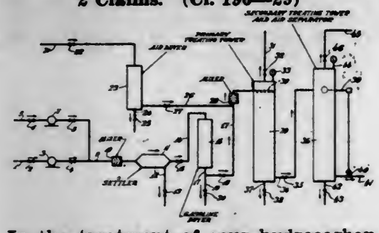
9. In a railway car truck, a side frame comprising a compression member, a tension member, spaced columns forming therewith a central bolster opening and spaced window openings at opposite sides of each column defined in part by diagonal struts merging with said columns, guide surfaces on each of said columns spaced from said compression member, a semi-elliptic spring in said bolster opening with a spring band centrally thereof and end portions supported in said columns, an interlocking member seated on said band with end portions engaging said guide surfaces, and a bolster end extending into said bolster opening with a widened upper portion engaging said guide surfaces and a lower portion in interlocking relationship with said interlocking member, said widened top portion having a depth less than the distance between said guide surfaces and the compression member thereabove so that said bolster end may be raised above said guide surfaces and disengaged from said bolster opening while said interlocking member and spring remain in assembled relationship therein.

2,297,750
DIAMOND-HOLDING TOOL
Julius Dinhofer, New York, N. Y.
Application April 17, 1942, Serial No. 439,359
1 Claim. (Cl. 125—39)



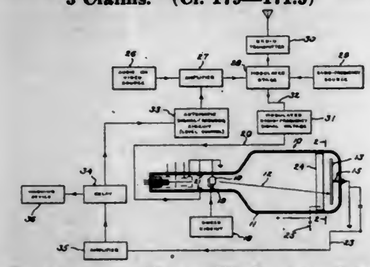
In a diamond-holding tool, a holder provided at one end with a seat for receiving a diamond, a cap fitted over said end for engaging the diamond and holding it on the seat, the cap being internally cylindrical, a threaded portion on the holder remote from the seat for adjustably receiving the cap, the side surface of the holder from the seat to the threaded portion being polygonal to thereby provide spacing between the internally cylindrical surface of the cap and said polygonal surface of the holder, the side wall of the cap being provided with grit-discharge and ventilating openings in communication with the space between the cap and polygonal surface of the holder.

2,297,751
SWEETENING HYDROCARBON DISTILLATES
Charles G. Dryer and Charles Wirth, III, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 8, 1939, Serial No. 293,894
2 Claims. (Cl. 196—29)



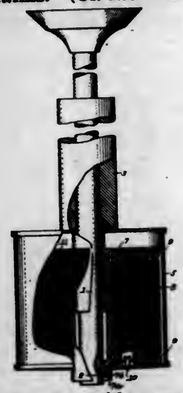
1. In the treatment of sour hydrocarbon distillates with a copper-containing sweetening agent in the presence of oxygen-containing gas, the method which comprises introducing the mixture of distillate and gas from the sweetening step into the upper portion of a vertical chamber having a free space in its upper portion and a layer of copper-removing agent in its lower portion, separating the gas from the distillate in said free space of the chamber and permitting the separated distillate to gravitate through said layer, whereby to minimize the time interval between the sweetening of the distillate and the removal of dissolved copper therefrom.

2,297,752
MONITORING AND CONTROL SYSTEM
Allen B. Du Mont and Thomas T. Goldsmith, Jr., Upper Montclair, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application August 3, 1940, Serial No. 350,216
3 Claims. (Cl. 179—171.5)



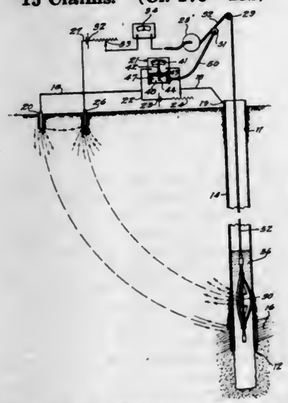
1. In an automatic amplitude control system, a cathode-ray tube having a screen surface comprising a central fluorescent portion having one secondary emission characteristic and adjacent portions having a different secondary emission characteristic, means for causing an electron beam to scan said portions, means for causing said scanning to be controlled by a signal to be monitored, said screen portions being so disposed that overscanning from said central portion to any part of said adjacent portions will produce a change in secondary electron emission, means for developing a control potential in response to said change in secondary electron emission, and means for controlling said first named signal in accordance with said control potential.

2,297,753
VALVE SPRING ASSEMBLY
Arthur Thomas Emery, Corona, Calif.
Application December 29, 1939, Serial No. 311,549
7 Claims. (Cl. 123—188)



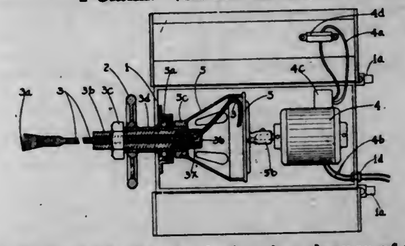
1. A valve spring assembly comprising a valve with a stem, a guide for the valve stem, a spring enclosing casing surrounding the valve stem, a reciprocating member within the casing, a guide for said member and a plurality of coil springs extending between said reciprocating member and the opposing portion of the casing whereby the springs are extended when the valve is moved to open position.

2,297,754
METHOD OF LOCATING STRATA IN WELLS AND ELECTRODE APPARATUS THEREFOR
George H. Ennis, Long Beach, Calif., assignor of one-half to Robert V. Funk, Long Beach, Calif.
Application December 28, 1936, Serial No. 117,810
15 Claims. (Cl. 175—182)



1. A method of determining the location of strata in a well, which method includes the steps of: forming an electric circuit including an electrode movable in said well; moving said electrode in said well; maintaining said electrode in definite oriented position in said well; and measuring changes in electrical values which occur when said electrode is moved into various positions in said well.

2,297,755
PORTABLE ELECTRIC DRAIN-PIPE CLEANER
Conrad W. Faust, Louisville, Ky.
Application August 1, 1940, Serial No. 349,186
1 Claim. (Cl. 15—104.30)



In a portable electric drain-pipe cleaner of the character described, the combination with a conventional sheet-metal carrying-case having hinged and latched top-covers and an ordinary carrying handle securely fastened thereon, said case having installed therein an electric motor and a conventional conical rotary cable-housing having a circular collar fastened in the front end thereof, said housing being rotatably attached to the shaft of said motor and adapted to rotate therewith, of a conventional flexible, spring-cable having the customary integral conical enlargement and hook on the outer end thereof, adapted, in rotating, to hook into a conglomerate mass of matter in a drain-pipe and tear it apart; a perforation in the rear end of said carrying-case; a rubber bushing fixed therein designed for the entrance of electric supply-wires for said motor; customary rubber-tired, swiveled casters fixed on the underside of said carrying-case for the easy movement of said case and its equipment; a toggle-switch for starting and stopping said motor, fixed to the inner side of said top-cover means and adapted to be operated from the outside thereof; a perforation in the middle front end of said carrying-case provided with a ball-bearing fastened to the inner side of said front end; a tubular shaft passing through said perforation and rotatable in said ball-bearing and having its inner end rigidly fixed in said circular collar fastened in the front end of said conical cable-housing; a hand-wheel to help lock and unlock said cable, fastened on the outer end-portion of said tubular shaft and adapted to rotate therewith; a sleeve for said cable fitted slidingly into said tubular shaft, and having its outer end-portion threaded and standing out a short distance beyond said hand-wheel and a smooth end of said tubular shaft, the inner end of said cable-sleeve being solid or closed and standing a short distance into said cable-housing; a tapered opening in one side of said cable-sleeve near the solid or closed inner end thereof, said opening being large enough for the passage therethrough of said spring-cable; and a clamping-nut fitted on the threaded outer end of said cable-sleeve as a means for locking and unlocking the movement of said cable, said clamping-nut being adapted to be screwed against a smooth

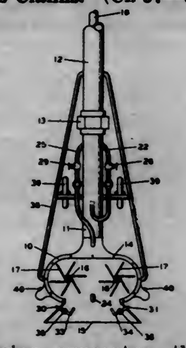
outer end of said tubular shaft for forcing said cable-sleeve outward thereby locking said cable by means of the inner ends of said tubular shaft and its contiguous collar pressing said cable into the converging edges of the inner end of said tapered opening, thus preventing said cable from moving in or out of said cable-housing.

2,297,756

DREDGING APPARATUS

Fred L. Fender, Pampa, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 21, 1939, Serial No. 310,464
3 Claims. (Cl. 37—62)



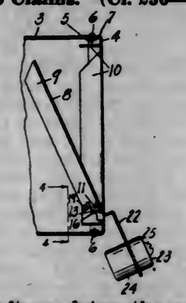
1. In dredging apparatus, the combination comprising a housing, an inlet and an outlet in the housing, a high pressure fluid manifold, a plurality of conduits each having one end connected to the manifold, one of said conduits having its other end communicating with the interior of the housing and disposed therein so that fluid emitted therefrom will flow in the direction of the outlet, another of said conduits having its other end disposed in the housing so that fluid emitted therefrom will flow in the direction of the inlet, means in still another of said conduits for controlling the direction of flow of fluid emitted therefrom, valve means for regulating the passage of fluid through each of the above mentioned conduits, and rotatable crushing means within the housing.

2,297,757

DRAFT REGULATOR OR CONTROL

Edward A. Field, Jr., Mendota, Ill.

Application March 12, 1942, Serial No. 434,417
6 Claims. (Cl. 236—45)



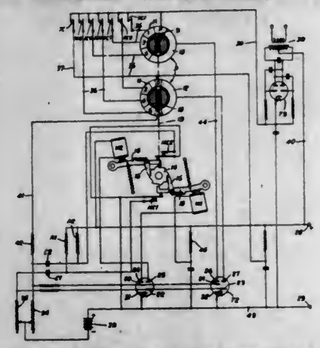
6. In a draft regulator, the combination of a housing, a gate frame at the front end of said housing and comprising inner side flanges, a gate provided with side flanges swingable within the side flanges of said frame, and a pintle disposed through the side flanges of the gate adjacent the lower ends thereof, the said frame side flanges having pintle receiving openings adjacent their lower ends, one of said frame side flanges having spaced stops adjacent said pintle, the adjacent side flange of the gate having a laterally disposed stop thereon coacting with said stops on said frame, said gate having a counterweight thereon.

2,297,758

PRINTING TELEGRAPH SYSTEM

Clyde J. Fitch, Endwell, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application May 8, 1941, Serial No. 392,407
5 Claims. (Cl. 178—53.1)



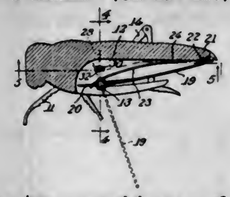
1. A system of the character described having impulse distributing means and actuating means therefor, the latter including a pair of electromagnets, control means including electron discharge paths, one for each electromagnet, for effecting the energization of said electromagnets, a plurality of resistor-capacitor networks, one for each discharge path, each network arranged to control the conductivity of the related discharge path, and a pair of contact means, one for each network, operated alternately and directly by the said electromagnets for rendering the networks effective to cause the related discharge paths to become conductive, thereby effecting alternately the energization of said electromagnets.

2,297,759

JUMPING TOY

Emil Arvid Fornas, Ashtabula, Ohio

Application October 31, 1941, Serial No. 417,395
1 Claim. (Cl. 46—129)



A jumping toy comprising an elongated body provided with a chamber opening through the bottom of the body and extending from the rear end thereof for a portion of its length, a shaft traversing the chamber adjacent its front end and journaled in and extending through the side walls thereof for disposal exteriorly of the body, legs including pivoted sections fixed to the outer ends of the shaft, a spring pressed rod having one end fixed to the shaft within the chamber and extending therefrom for engagement with a supporting surface for the toy to cause the latter to jump, means for temporarily holding the rod against the action of the spring in set posi-

tion above said surface, wings normally disposed along the length of and in parallelism with the opposite sides of the body, extensions formed on the front ends of the wings and pivoted to the body, said extensions projecting into the chamber and slidably connected to each other, and means secured to the shaft and engageable with the extensions for moving the wings outwardly from the body upon releasement of the rod from its holding means.

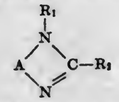
2,297,760

IMIDAZOLE DERIVATIVES AND PROCESS OF MAKING SAME

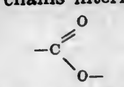
Charles Graenacher, Riehen, and Jules Meyer, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application January 15, 1940, Serial No. 314,009. In Switzerland January 30, 1939
16 Claims. (Cl. 260—309)

1. A process for the manufacture of imidazole derivatives, which comprises treating imidazole derivatives of the general formula



wherein A stands for a member of the group consisting of aromatic radicals of the benzene and naphthalene series, R_1 stands for a member of the group consisting of hydrogen, benzyl and alkyl and R_2 stands for a member of the group consisting of aliphatic hydrocarbon chains and aliphatic carbon chains interrupted by an



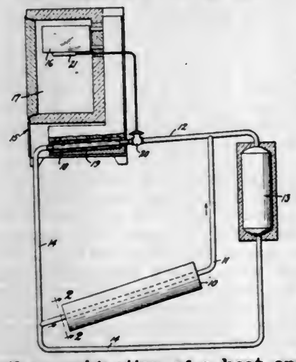
bridge with aliphatic alcohols containing 3 to 4 carbon atoms and sulphonating agents.

2,297,761

REFRIGERATION

William R. Hainsworth, Larchmont, N. Y., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application November 14, 1938, Serial No. 240,270
2 Claims. (Cl. 62—5)



1. In the combination of a heat operated refrigerator and a solar heater, a thermal storage and transfer system comprising an insulated liquid storage tank, conduits forming a path for flow of liquid between the top and bottom of said storage tank having two parallel branches, the solar heater being arranged to heat liquid in one of said branches, the refrigerator being arranged to be operatively heated by liquid in the other of said branches, and means for controlling flow of liquid in said second branch responsive to an operating condition of said refrigerator.

2,297,762

GAS BURNER

Philip S. Harper, Chicago, Ill., assignor, by direct and mesne assignments, of one-fourth to Philip S. Harper and one-fourth to Carolyn L. Harper, both of Chicago, Ill., and one-fourth to Harris Trust and Savings Bank, an Illinois banking corporation, as trustee of the Philip S. Harper trust, and one-fourth to said Harris Trust and Savings Bank, as trustee of the Carolyn L. Harper trust

Application March 4, 1940, Serial No. 322,062
5 Claims. (Cl. 158—115)



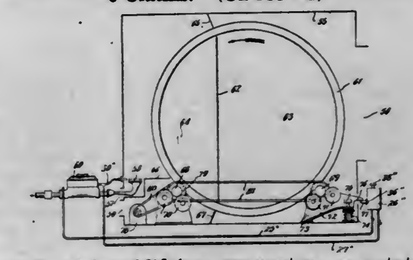
1. In a double burner construction, the combination of a burner member having inner and outer noncommunicating gas chambers, each adapted to be connected to an independently controlled source of gas supply, said burner member having a series of inner gas ports in communication with said inner gas chamber, and a series of outer gas ports in communication with said outer gas chamber, in which said inner and outer series of gas ports are disposed so that the flames from one of said series of gas ports will not directly ignite the gas emerging from said other series of gas ports, a pilot light, and a flash tube extending from a point adjacent said pilot light to a point adjacent said burner member, a flash tube feeding port spaced from said two series of gas ports and communicating with one of said gas chambers and disposed to project gas into the adjacent end of said flash tube, gas outlet means in said burner member communicating with said inner gas chamber and constituting a flame propagating means for igniting said inner series of gas ports from said flash tube feeding port, and gas outlet means in said burner member communicating with said outer gas chamber and constituting a flame propagating means for igniting said outer series of gas ports from said flash tube feeding port.

2,297,763

DEHUMIDIFIER CONTROL

Frank R. Higley, Cleveland Heights, and Eric H. Ryden, Bedford, Ohio, assignors to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio

Application December 27, 1938, Serial No. 248,020
6 Claims. (Cl. 183—4)



1. In dehumidifying apparatus, a rotatable

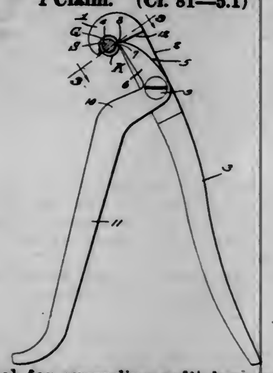
drum carrier for moisture adsorbent material, a pair of spaced supports for said carrier, one of said supports being mounted to have limited up and down travel in response to variations in the weight of the moisture content of the adsorbent material in the carrier, a heater for activating the material in the carrier, and means actuated by the up and down movement of said last named support for controlling the operation of said heater.

2,297,764
PREPARED FONDANT SUGAR AND FUDGE MIXTURE
Alfred L. Holven and William E. Junk, Crockett, Calif.
Application October 17, 1939, Serial No. 299,824
11 Claims. (Cl. 99—134)



1. An uncooked fondant producing carbohydrate, including sucrose and anhydrous beta-dextrose, characterized by a grain of microscopic size ranging from 5 to 25 microns.

2,297,765
KEY REMOVING TOOL
Joe Clayton Hoover, Jr., San Angelo, Tex.
Application August 9, 1940, Serial No. 352,019
1 Claim. (Cl. 81—5.1)

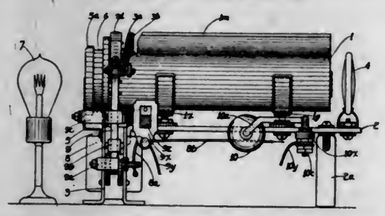


In a tool for spreading split keys of the class described, levers each having a handle formed by one end, a hook-like jaw at the other end of one of the levers providing a seat for a straddled key, a prong extended from that end of the seat nearest its lever, an elongated jaw at the other end of the other lever, said last named lever having angularly related portions, a pivotal connection between the levers at the junction of the two portions of said last named lever, an offset point at the free end of the elongated jaw positioned to move against the prong when the levers are moved apart to one extreme position, thereby to position the point and prong for simultaneous insertion between the ends of a split key, said levers being shiftable toward each other to move apart the inserted point and prong, thereby to spread the engaged key straddled by the hook-like jaw, said point and prong being mounted for relative swinging movement in the same plane, the point and prong, when in contact, constituting a wedge.

2,297,766
ANODE PRODUCTION
Richard O. Hull, Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 9, 1940, Serial No. 344,499
5 Claims. (Cl. 204—292)

1. In a process for producing from nickel, the steps comprising heating the nickel to a temperature above its critical temperature, and quenching it in concentrated sulfuric acid.

2,297,767
ELECTROAUTOMATIC ADVERTISING MACHINE
Donovan Dewey Hunt, Louisville, Ky.
Application November 7, 1941, Serial No. 418,271
2 Claims. (Cl. 88—24)



1. In an electro-automatic advertising machine of the character described, a circular rotary kaleidoscopic magazine, having in its frame a strong circular face-place provided with feed-pins installed therein; a circular journal designed for holding said magazine for the service rotation thereof; a circular transparent glass front and back installed in said magazine a predetermined distance apart; a plurality of variously colored crystal glass gems having many highly-polished facets on the surfaces thereof, said gems being loosely held therein between said front and back glasses; a reflector-cylinder in said advertising machine securely held in its service position by means of spring-clamps mounted on a rail in said machine, the back end of said cylinder resting lightly against the front glass of said magazine to help hold the rotary magazine in its operative position; two oblong rectangular reflecting mirrors installed longitudinally in said reflector-cylinder, with their inner lower edges set together and their upper inner edges set thirty degrees apart; an oblong rectangular piece of translucent colored glass fixed between the upper edges of said mirrors at the rear end of said cylinder; a magnifying lens installed in said advertising machine a predtermined distance in front of said cylinder and concentric with the axis thereof; means for rotating said magazine intermittently; means set a predetermined distance back of said magazine and concentric therewith for furnishing ample light for various kinds of advertising; an opaque cap on the front end of said reflector-cylinder, provided with a small circular opening concentric with the axis thereof, for the purpose of shutting off excessive light coming from said lighting means, and for forcing the available rays to the central part of the magnifying lens, to be projected on a distant advertising screen, as described.

2,297,768
LIQUID CIRCULATOR AND HEATER FOR TANKS
Walter B. Hutchings, Huron, S. Dak., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application January 22, 1941, Serial No. 375,471
2 Claims. (Cl. 261—77)

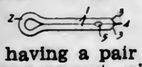


1. The combination with a tank for a liquid rectangular in general form; of a liquid circulator and heater mounted therein comprising a body mounted on the bottom of the tank having inlets laterally extending into the tank and also a steam chamber for connection to a source of steam, outlet tubes projecting from the body, and injector nozzles communicating with the steam chamber and extending into the inner ends of the tubes, the tubes overhanging and spaced from the bottom of the tank, and the tubes being of different lengths all so that the vibrations set up by the injector and circulation actions in each tube are substantially neutralized by that in the other tubes.

2,297,769
HYDROGENATION OF ALKYL ARYL KETONES
Vladimir N. Ipatieff and Vladimir Haensel, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 22, 1941, Serial No. 407,908
10 Claims. (Cl. 260—668)

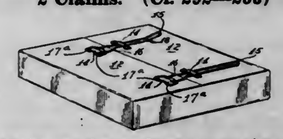
1. A process for producing alkyl aryl compounds which comprises subjecting an alkyl aryl ketone to hydrogenation in the presence of a catalyst formed by subjecting to reduction a composite comprising essentially a major proportion of copper oxide and a relatively minor proportion of alumina.

2,297,770
COTTER PIN
Percy Jepson, Oakland, Calif.
Application March 7, 1941, Serial No. 382,229
4 Claims. (Cl. 85—8.5)



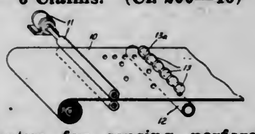
1. A cotter pin having a pair of parallel legs substantially in engagement with each other; each of said legs being continuous, and said legs being of substantially the same length and terminating even with each other at their opposite ends; a head connecting said legs together at one of their ends, and their other ends being free from securement to each other; a pair of oppositely facing notches being formed in the adjacent sides of said legs at a point intermediate their opposite ends; the said other free ends of said pair of legs being beveled at the oppositely outwardly facing sides thereof whereby said legs will bow oppositely outwardly at said notches when said other free ends are struck axially of said legs and while said head is held to resist bodily movement of said legs and head upon said other ends being so struck.

2,297,771
BOX FASTENER
Eric A. Johnson, Chicago, Ill., assignor to Inland Wire Products Company, Chicago, Ill., a corporation of Illinois
Application September 8, 1939, Serial No. 293,986
2 Claims. (Cl. 292—253)



1. A fastener for a box or carton which includes a closure member and a part in substantially the same plane as the closure, said fastener comprising a staple secured on the closure, a staple on the other part alined with the first staple, and a securing member having a shank dimensioned to extend through both staples with transverse portions forming shoulders extending to stop against the legs of one staple, the shank being of pliable material long enough to be bent back over the other staple and to overlap the staple with which said shoulders are engaged, and with its terminal portion bent at a slight angle to the adjacent portion of the shank for contact with the surface of the box.

2,297,772
SIGNALING SYSTEM
Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 19, 1941, Serial No. 398,723
6 Claims. (Cl. 200—46)

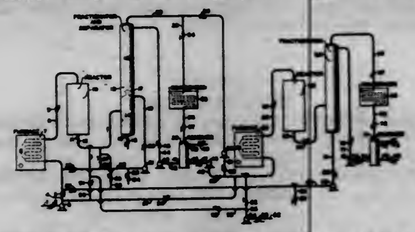


1. Apparatus for sensing perforated sheets and initiating control impulses comprising means for feeding a perforated sheet, and individual elements for sensing the perforations for controlling the initiation of control impulses, each of said elements consisting of conductive rubber.

2,297,773
HYDROCARBON CONVERSION
Elmer R. Kanhofer, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 31, 1939, Serial No. 287,485
2 Claims. (Cl. 196—49)

1. A process for producing motor fuel of high octane rating and relatively low olefin content which comprises subjecting hydrocarbon oil to catalytic cracking at a temperature in the approximate range of 800 to 1200° F. for a contact time such as to form olefinic gasoline, fractionating the resultant products to separate the ole-

finic gasoline therefrom, commingling a saturated hydrocarbon oil with the separated olefinic gasoline and contacting the mixture with a cracking catalyst at a temperature in the approximate range of 500 to 800° F. for a longer contact time than is employed in the first men-



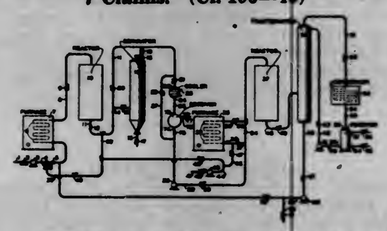
tioned catalystic step, the quantity of said saturated oil and said longer contact time being sufficient to saturate at least the major portion of the olefin content of said gasoline, and recovering the gasoline of relatively low olefin content thus produced.

2,297,774

HYDROCARBON CONVERSION

Elmer R. Kanhofer, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application July 31, 1939, Serial No. 287,486
7 Claims. (Cl. 196—49)



1. A process for producing motor fuel of high octane rating and relatively low olefin content which comprises subjecting hydrocarbon oil to catalytic cracking at a temperature in the approximate range of 800 to 1200° F. for a contact time such as to form olefinic gasoline, commingling a saturated hydrocarbon oil with the resultant olefinic gasoline products and contacting the mixture with a cracking catalyst at a temperature in the approximate range of 500 to 800° F. for a longer contact time than is employed in the first-mentioned catalytic step, the quantity of said saturated oil and said longer contact time being sufficient to saturate at least the major portion of the olefin content of said gasoline products, and recovering the thus saturated, catalytically cracked gasoline.

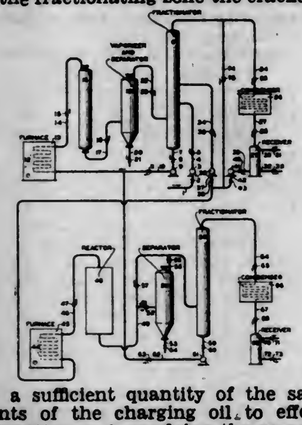
2,297,775

HYDROCARBON CONVERSION

Elmer R. Kanhofer, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application July 31, 1939, Serial No. 287,487
6 Claims. (Cl. 196—49)

6. A process for producing motor fuel of high octane rating and low olefin content which comprises thermally cracking hydrocarbon oil heavier than gasoline to produce gasoline therefrom, introducing the resultant cracked gasoline-containing vapors to a fractionating zone maintained at a temperature above the boiling point of gasoline, additionally introducing to said zone a heavy hydrocarbon charging oil containing a sufficient amount of saturated hydrocarbons, vaporizable under the conditions prevailing in said zone, to saturate the major portion of the olefin content of the cracked gasoline in the manner hereinafter set forth, fractionating the cracked vapors and the charging oil in said zone and supplying resultant heavy reflux condensate and residual charging oil to the thermal cracking step as said oil heavier than gasoline, removing from the fractionating zone the cracked gaso-



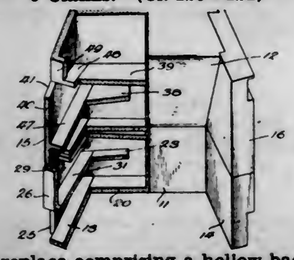
line and a sufficient quantity of the saturated components of the charging oil to effect said olefin saturation and supplying the same in admixture to a catalytic conversion zone containing a cracking catalyst, subjecting the mixture to the action of said catalyst at a temperature in the approximate range of 500° to 800° F. for a contact time sufficient to saturate at least the major portion of the olefin content of the cracked gasoline, at least a portion of said saturated components supplied to the catalytic conversion zone being separated as an intermediate reflux condensate in the fractionating zone, and fractionating and condensing the vaporous products of the catalytic treatment.

2,297,776

AIR-HEATING FIREPLACE

Edward T. Kelley and Guy F. Fenton, Clearfield, Pa.

Application April 1, 1941, Serial No. 386,340
6 Claims. (Cl. 126—121)



1. A fireplace comprising a hollow back with a vertical partition on its center line and having open ends and transverse baffles extending inwardly therefrom to points spaced from the vertical center line of the back to form interconnected passageways, upper and lower side sections open on the ends adjacent the back, each side section being cut away at its base to form an inlet port and being cut away at its upper portion to form an outlet port and baffles in said side sections forming passageways connecting said ports with the passageways in the back.

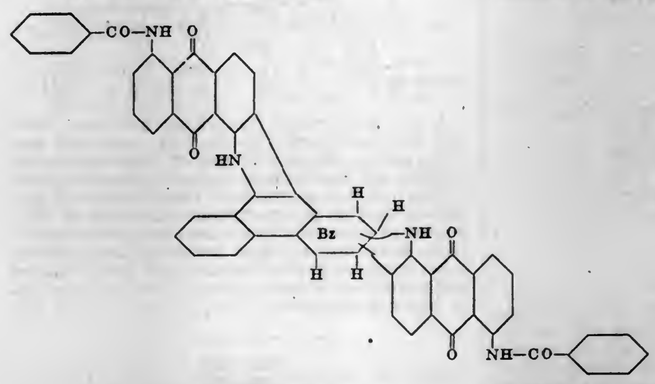
2,297,777

ANTHRAQUINONE CARBAZOLE DYES

Walter Kern, Sissach, and Theodor Holbro and Richard Tobler, Riehen, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application February 23, 1939, Serial No. 258,094. In Switzerland March 2, 1938
3 Claims. (Cl. 260—316)

1. Vat dyestuffs of the formula

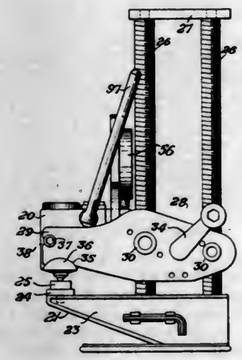


2,297,778

BRINELL HARDNESS TESTING MACHINE

Horace C. Knerr, Chestnut Hill, and Andrew King, Penn Valley, Pa.

Application October 14, 1939, Serial No. 299,458
2 Claims. (Cl. 265—12)



1. A portable Brinell testing device comprising a Brinell tester head, a carriage having spaced arms provided with arcuate sockets at their lower portions near one extremity, the arms extending on either side of the head, arcuate bosses on the head engaging in the sockets and means cooperative with the bosses for fastening the head in position between the arms.

2,297,779

RESISTOR CONSTRUCTION

John H. A. Kohler, Philadelphia, Pa., assignor to International Resistance Company, Philadelphia, Pa., a corporation of Delaware

Application July 27, 1940, Serial No. 347,848
3 Claims. (Cl. 201—67)



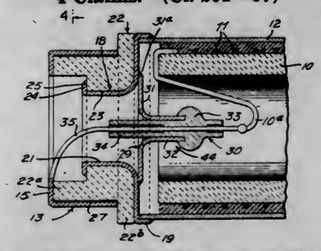
1. In resistor construction, in combination, a glass tube member, a dielectric core, a resistance element wound on said core, said core being positioned within said tube member and having its ends extending from the ends thereof, and metal cap members fitting over and being mounted on each end of said core and covering the ends of said tube member, there being a glass-to-metal seal between said cap members and said tube, said cap members and tube members having the same coefficients of expansion and hermetically sealing said resistance element from the atmosphere.

2,297,780

HERMETICALLY SEALED RESISTOR

Alexander L. Pugh, Jr., Bala-Cynwyd, Pa., assignor to International Resistance Company, Philadelphia, Pa., a corporation of Delaware

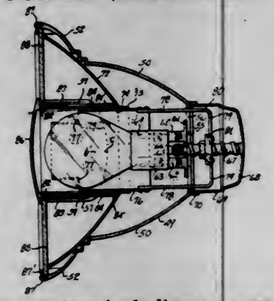
Application July 27, 1940, Serial No. 347,867
4 Claims. (Cl. 201—67)



1. In resistor construction, in combination, a ceramic core, a resistance element wound on said ceramic core, a metal casing enclosing said resistance element and core, insulation material forming a packing between said core and said casing, a pair of metal tubular-shaped openings extending into said casing from the ends thereof, a pair of glass members mounted in said tu-

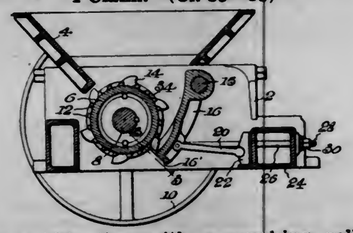
bular-shaped openings, and a pair of leads connected to the ends of said resistance element and extending from the interior of said casing to the exterior thereof through the central portions of said glass members, the portions of said casing contacting said glass members, said glass members and the leads extending through said glass members being bonded to each other by a glass-to-metal seal and all having the same coefficients of expansion to hermetically seal said resistance element from the atmosphere.

2,297,781
LAMP STRUCTURE
John A. Korengold, Chicago, Ill.
Application June 24, 1940, Serial No. 342,086
4 Claims. (Cl. 240—41.15)



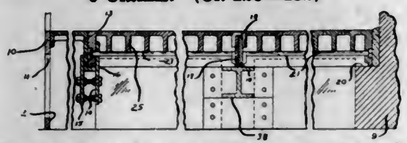
4. A lamp structure including an open-mouthed bowl-shaped outer housing provided with a central opaque panel extending across its mouth from top to bottom, segmentally shaped transparent lens members mounted on opposite sides of the panel, said opaque panel and said lens members together forming a closure for the housing, a reflector within the housing, a light source within the reflector, an axially shiftable open-ended tube disposed around the light source and having diametrally disposed lateral recesses extending inwardly from the margin of the open end of the tube and extending above and below the longitudinal axis of the reflector, and means for moving said tube toward and away from the opaque panel to control the amount of light directed toward the reflector.

2,297,782
CRUSHING MACHINE
George E. Krider, Duncansville, Pa., assignor to The Pennsylvania Crusher Company, Philadelphia, Pa.
Application June 12, 1940, Serial No. 340,164
1 Claim. (Cl. 83—53)



The combination with a crushing roller, a breaker plate adjacent one side of said roller, said roller having a plurality of spaced rows of short and long teeth, all of said rows of teeth extending entirely around the roller in a transverse plane in relation to the roller and at a right angle to the axis of the roller, all of the teeth of the long tooth rows being positioned to pass through slots in the breaker plate as the roller rotates, of continuous ribs connecting the adjacent sides of the long teeth and disposed in the plane of the long teeth, said continuous ribs being positioned whereby their outer peripheries will be adjacent the outer sides of the slots as the roller rotates.

2,297,783
GRATE
Stephen S. Kwolek, Detroit, Mich.
Application October 13, 1939, Serial No. 299,312
6 Claims. (Cl. 126—152)



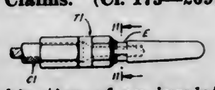
1. A grate section comprising a unitary box-like structure having a top, end walls, and side walls and a plurality of spaced transversely extending and spaced longitudinally extending partitions projecting inwardly from the inner surface to the top, said partitions extending at right angles to each other and said transverse partitions extending at right angles to the longitudinal edges of said structure; and a plurality of bolts extended through and connecting oppositely disposed end walls.

2,297,784
GRATE
Stephen S. Kwolek, Detroit, Mich.
Application October 13, 1939, Serial No. 299,313
4 Claims. (Cl. 126—176)



1. A grate construction of the class described comprising; spaced apart supporting members; a bearing mounted on and projecting upwardly from each of said supporting members; a rockable shaft extending between and journalled in said bearings; means for rocking said shaft; a plurality of grate sections positioned between said bearings above said shaft and connected to said shaft; and a stationary grate section at each of said bearings overlying said bearing and having downwardly projecting side walls for shielding the opposite sides of said bearing.

2,297,785
TERMINAL FOR ELECTRICAL CONDUCTORS
Clair D. Lake, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 13, 1941, Serial No. 410,703
5 Claims. (Cl. 173—269)



1. The combination of an insulated electrical conductor having a bared end and a terminal united in swaged relation, said terminal having a nose portion and a skirt portion, said skirt portion having an initially cylindrical shaped

outer surface of uniform diameter throughout its entire length and provided with an axial bore receiving the insulated conductor and a smaller axial bore receiving the bared end of the conductor, said axial bores being interconnected by a tapering wall section, said initially cylindrically shaped skirt portion having two identical swaged sections formed thereon, which sections are adjacent to and separated by a non-swaged section, the latter section being disposed so as to surround solely the said tapering wall section interconnecting the said axial bores and a portion of the adjoining larger axial bore thereby providing a non-swaged section substantially less in length than either of the adjoining swaged sections.

2,297,786
METHOD OF PARTIAL FREEZING OUT OF LIQUID
Erik David Lindblom, Finspong, Sweden
No Drawing. Application January 28, 1941, Serial No. 376,384. In Sweden February 1, 1940
4 Claims. (Cl. 62—124)

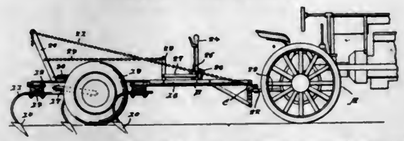
1. A method of partially freezing out a liquid, which consists in applying to the liquid a gas under pressure capable of lowering the freezing point of the liquid, cooling the liquid together with said added gas to lower its temperature to between the lower freezing point as obtained by the action of said gas and the original freezing point of the liquid, and releasing the pressure above the liquid to restore the freezing point of the liquid to approximately its original value.

2,297,787
PRODUCTION OF TRANSPARENT RUBBER ARTICLES
Peer A. Locke, Ravenna, Ohio, assignor to The Oak Rubber Company, Ravenna, Ohio, a corporation of Ohio
Application March 24, 1941, Serial No. 384,960
8 Claims. (Cl. 18—47.5)



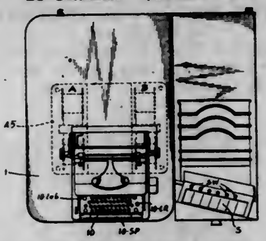
1. The process of imparting transparency to articles formed from clear rubber stock which comprises the step of applying to the article a coating of transparent rubber cement, to thereby fill the minute depressions in the article and provide a smooth new surface, and vulcanizing said coating.

2,297,788
POWER LIFT
David K. McGehee, Wayside, Tex.
Application December 6, 1940, Serial No. 368,945
1 Claim. (Cl. 97—75)



In a power lift, the combination of a draft farming implement having a frame elongated transversely to the line of draft thereof, ground traversing means swingingly connected to the frame for raising and lowering the same, a universal connection between the frame and a draft medium for the implement, ground working means rigid on and adjustably connected directly to the frame, the ground traversing means being disposed to be out of range of the adjustment of the ground working means for avoiding interference therebetween, a turning member on the ground traversing means and located approximately at the center of the line of draft of the frame for the swinging of said traversing means, adjustable means on the frame forwardly of the turning member and flexibly connected to the latter for setting the throw thereof in one direction, a retractile spring between the adjustable means and the member and having connection with the latter and the frame, and flexible connections between the draft medium and said turning member and divergently arranged in the direction of the draft member.

2,297,789
TRANSCRIBING APPARATUS
Albert W. Mills, Endicott, and Edward J. Rabenda, Binghamton, N. Y., assignors to International Business Machines Corp., New York, N. Y., a corporation of New York
Application November 4, 1939, Serial No. 302,884
18 Claims. (Cl. 197—20)

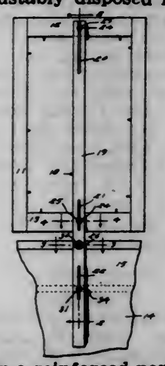


1. In a machine for operating on a plurality of indicia bearing record bodies, means to express the indicia of a record body, sequentially related, preliminarily and variably conditionable selectors for variably preselecting a series of bodies and one sequence or another in which the bodies of the series are to have their indicia subsequently expressed, means acting in conjunction with the selectors for cooperatively relating the preselected bodies of the series to the indicia expressing means, and means for causing the indicia expressing means to express the indicia of the preselected bodies of the series in the preselected sequence.

2,297,790
MIRROR SUPPORT
Wilmer A. Miller, Camden, N. J., assignor of one-third to Peter McGinnity, Yeadon, Pa., and one-third to Walter Murta, Collingdale, Pa.
Application February 26, 1942, Serial No. 432,512
4 Claims. (Cl. 248—276)

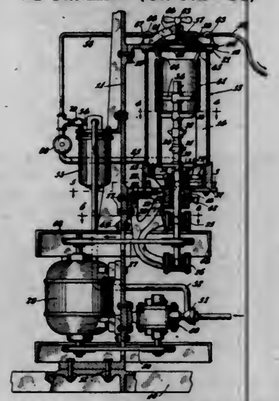
1. A mirror support comprising an elongated bar having a longitudinal slot at one end thereof and opening outwardly of said end, said bar having two longitudinally disposed, longitudinally spaced slots near its opposite end, said bar also being provided with an opening between the last mentioned slots, one end of the bar being adapted to be disposed behind a mirror, fastening means extending through the first mentioned slot and the last mentioned slot, which is disposed adjacent thereto, said fastening means being adjustably disposed in said slots and anchored in the top and bottom rails of the frame of the mirror for connecting the bar to the mirror, the other, lower end of the bar being disposed behind a piece of furniture, fastening means connected to the upper part of the back of the piece of

furniture and extending through the opening, and a fastener adjustably disposed in the other slot



and anchored in a reinforced portion of the piece of furniture.

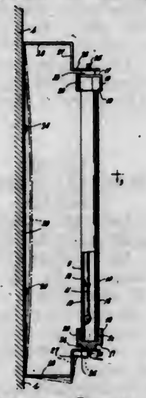
2,297,791
ATOMIZING DEVICE FOR PULVERULENT MATERIAL
Harold J. Ness, Bloomfield, N. J.
Application May 25, 1938, Serial No. 209,885
14 Claims. (Cl. 302—56)



1. In a device for the atomization of pulverulent material, the combination of a closed receptacle for pulverulent material, a revolvable shaft extending into said receptacle, a plurality of blades carried thereby and positioned one above the other, said blades being progressively disposed about said shaft, from the lowermost to the uppermost, in angular spaced relation counter to the direction of rotation of the shaft and being pitched so as to cause an upward movement of said material when the shaft is revolved, means for admitting a gaseous medium into said receptacle adjacent the bottom thereof and means disposed adjacent the upper portion of said receptacle for permitting egress of said gaseous medium laden with said pulverulent material.

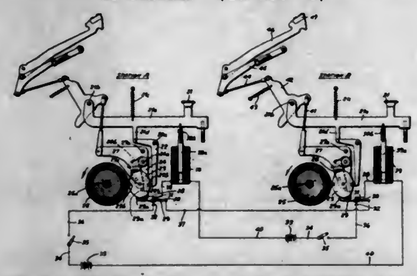
2,297,792
THERMOMETER
Herman Neuwirth, Brooklyn, N. Y., assignor to Testrite Instrument Company, Inc., New York, N. Y., a corporation of New York
Application August 1, 1941, Serial No. 405,004
7 Claims. (Cl. 73—378)

1. In a thermometer, a rectangular plate arcuate in cross section having the opposite side portions flanged inwardly to extend in spaced relation to a face of the plate, a thermometer tube mounted on said face of the plate, a transparent panel having the opposite marginal portions engaged within the flanged portions of the plate and the panel extending transversely of the plate and the thermometer tube, and a pair of cap members engaged on the opposite ends of



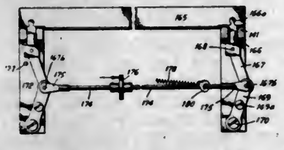
the plate with the cap flanges extending over the plate flanges and the panel to retain the transparent panel against longitudinal movement relative to the plate and prevent spreading of the plate flanges and form with the transparent panel and plate an enclosing housing for the thermometer tube, one of said cap members having openings therein for the admission of atmospheric air to the thermometer tube.

2,297,793
COMMUNICATION SYSTEM
Harry J. Nichols and Henry L. Tholstrup, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 27, 1940, Serial No. 315,937
19 Claims. (Cl. 197—5)



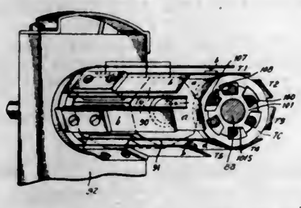
17. In combination, a power source, two or more typewriters including at least one local and one remote machine, each machine comprising an instrument of standard construction and including a character keyboard having keys and corresponding key levers, means responsive to a received signal for selectively operating each of the key levers, contact means actuable from a normal receive to a send condition, means controlled by said key levers to actuate said contact means to said send condition, and a cable comprising at least one conductor for each character key, said contact means in said normal receive condition connecting said conductors to said responsive means, and said contact means in said send condition connecting said conductors to said power source, said controlled means automatically changing over said contact means from a a receive to a send condition upon operation of a selected key, to thereby energize the corresponding conductor.

2,297,794
COMMUNICATION SYSTEM
Harry J. Nichols, Point Pleasant, N. J., and Henry L. Tholstrup, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application August 17, 1940, Serial No. 353,113. Divided and this application June 14, 1941, Serial No. 398,068
6 Claims. (Cl. 178—27)



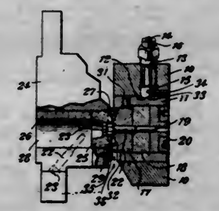
1. A selector mechanism comprising a plurality of permutation bars, means resiliently biasing said bars to one position, magnet controlled restore means for positioning said bars in another position, a plurality of magnets, one for each bar, and selectively energized in accordance with code signal combination elements, means controlled by each of said plurality of magnets for maintaining said bars in said other position, and electrical circuit means for conditioning certain ones of said magnets in accordance with the elements of said code combination, for a greater period than the others of said magnets, to permit overlap between the operation of said restore magnet and said certain ones of said magnets.

2,297,795
COMMUNICATION SYSTEM
Harry J. Nichols, Point Pleasant, N. J., and Henry L. Tholstrup, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application August 17, 1940, Serial No. 353,113. Divided and this application June 14, 1941, Serial No. 398,069
3 Claims. (Cl. 178—53.1)



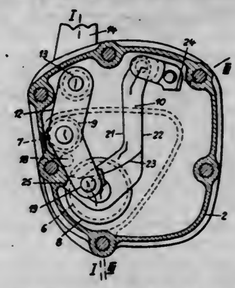
1. A distributor mechanism comprising a shaft, a pair of distributor elements mounted on said shaft for rotation thereby, a plurality of sets of contacts distributed circumferentially about each of said distributor elements for selective operation thereby upon rotation thereof, and means for independently adjusting the relative initial rotative position of each of said distributor elements and its associated plurality of sets of contacts.

2,297,796
CHIP CONTROL MECHANISM
John F. O'Brien, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Application September 13, 1941, Serial No. 410,749
5 Claims. (Cl. 10—20)



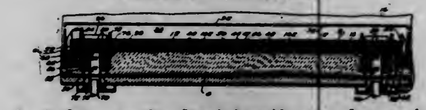
1. In combination with tools which cooperate to cut one or more chips from a workpiece, having an open space surrounding the point of severance of the chip; a member which projects into said open space and forms an enclosed wall around a portion thereof at said point of severance, that portion of the space not enclosed being below the said point of severance.

2,297,797
VALVE DEVICE
Edwin Oetiker, Zurich-Albisrieden, Switzerland
Application May 17, 1941, Serial No. 394,008
5 Claims. (Cl. 277—1)



1. In a valve mechanism, a valve casing, a main pressure valve and an auxiliary pressure relief valve, in said valve casing, said casing having an inlet passage, and a partition wall provided with a main outlet passage and an auxiliary pressure relief passage, the main valve controlling the main outlet passage and the auxiliary valve controlling the auxiliary pressure relief passage, said valves being arranged for sliding movement in the same plane, a common actuating shaft for said valves, an actuating arm rigidly connected to said actuating shaft, said arm having said auxiliary valve mounted thereon, a lever pivotally mounted in said casing and having said main valve mounted thereon, and means on said arm for operatively engaging said lever, so that when said arm is rocked by the actuating shaft for closing the valve passages, the main valve is moved first into position to close the main outlet passage, whereupon the auxiliary valve is moved into its closed position to close the auxiliary passage, said means on said arm during the valve opening movement of said actuating shaft causing an actuation of said lever to move the main valve to open position after the auxiliary pressure relief valve has been opened by said actuating arm.

2,297,798
INDUSTRIAL HEAT TREATING FURNACE
Clarence E. Peck, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 16, 1940, Serial No. 324,409
6 Claims. (Cl. 266—5)



1. A furnace for heat-treating a charge in a gaseous atmosphere, comprising a base portion, a container having a bottom and sides, said container comprising a plurality of sections supported by said base portion, relatively movable covering means for covering the spaces between said sections, a finely divided refractory bed in said container, a charge-supporting plate means on said bed, and gas conveying means comprising a plurality of pipe means embedded in said bed, each of said pipe means being associated with a different one of said sections.

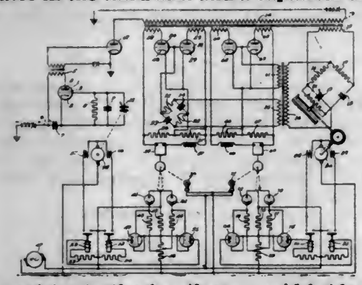
2,297,799
VIEWING DEVICE
George W. Pifer, Findlay, Ohio
Application September 6, 1940, Serial No. 355,643
2 Claims. (Cl. 128—11)



2. In a viewing device for dental use, means providing an opaque barrel element having an objective end adapted to be inserted into a patient's mouth, a prism at said objective end arranged to pick up an image and reflect the same longitudinally within said barrel element, a viewing head at the outer end of the barrel element and rotatable relative thereto including a hollow portion arranged so that its central axis forms an acute angle with the central axis of said barrel element, a reflecting surface in said viewing head and arranged to receive the image from said prism, enlarging means carried by the hollow portion of said head and arranged for viewing the image on said reflecting surface, said prism having a portion projecting laterally beyond said barrel element, a source of light comprising an electric lamp mounted on the device outside of said barrel element and at a distance from said objective end such that the lamp will always be outside of the patient's mouth while the device is in use, and solid light-transmitting medium lying outside of said barrel element and extending therealong, said solid medium having one end thereof adjacent said lamp and its other end in engagement with the laterally projecting portion of said prism.

2,297,800
STANDARD FREQUENCY OSCILLATOR
Thomas A. Read, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 1, 1941, Serial No. 417,511
6 Claims. (Cl. 250—36)

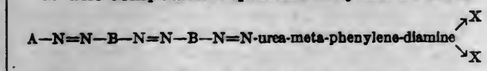
1. Means for producing alternating currents of a predetermined standard frequency comprising an electronic tube having an anode, a cathode and at least one control electrode, an electromechanical vibrator connected between the cathode and said control electrode, a vairable capacitor in shunt with said vibrator, a bridge having a pair of identical impedances in one pair of adjacent arms, a second electro-mechanical vibrator in the third arm and a capacitor shunted



by a resistor in the fourth arm, said bridge being connected to have the non-adjacent terminals of said identical impedances impressed with a voltage generated in the output circuit of said electron tube, and means responsive to the voltage developed across the other diagonally opposite corners of said bridge to vary the first mentioned capacitor.

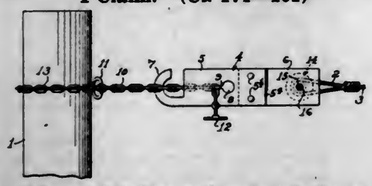
2,297,801
AZO DYES
Swanie S. Rossander and Chiles E. Sparks, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application July 13, 1940, Serial No. 345,304. Divided and this application December 24, 1940, Serial No. 371,582
6 Claims. (Cl. 260—144)

1. The compounds represented by the formula:



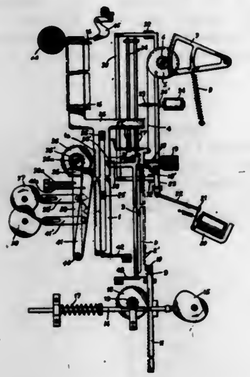
in which A and B are radicals of the class consisting of the benzene and naphthalene series, and X is a coupling component from the group consisting of beta-naphthol, phenyl-alkyl-pyrazolones, meta-arylene-diamines, acetoacet-anilides, and the arylides of 2,3-hydroxy-naphthoic acid.

2,297,802
INSULATED HOLDER AND TIGHTENER FOR WIRE FENCES
Carl R. Sachs, Fremont, Ohio
Application June 23, 1941, Serial No. 399,379
1 Claim. (Cl. 174—161)



A holder and tightener for electric fence wires, comprising a bifurcated body member, a wire retaining spool detachably secured to and between the bifurcated portions of the body member and insulated therefrom, a shank formed on the body member and having a hooked outer end and a key hole shaped opening intermediate its ends, the narrow portion of the opening extending longitudinally of the shank, a chain having a ring member at one end whereby the portion of the chain adjacent the ring member may be looped about a post and passed through the ring member for attaching the chain to the post, and the opposite end portion of the chain adapted to be passed through said opening for disposal of any one of the links through the narrow portion of the opening far adjustably connecting the shank to the chain.

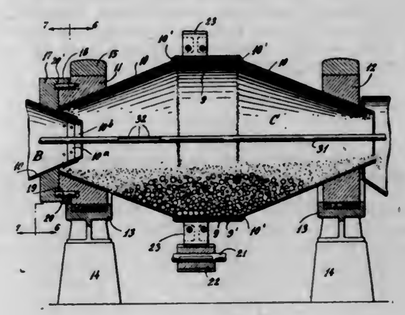
2,297,803
PRINTING APPARATUS
Walter Scheerer, Berlin-Lichterfelde, and Karl Schussler, Berlin-Tempelhof, Germany, assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 25, 1940, Serial No. 337,136
In Germany July 18, 1939
18 Claims. (Cl. 101—93)



1. Printing apparatus to print data, comprising a movable printing unit including a type carrier and companion setting device having a normal relation in position to each other, means for actuating the setting device, a yieldable transmission between the type carrier and setting device for yieldably transmitting movement of the device to the carrier, and means for arresting the printing unit with a type of the carrier at a printing position including means for engaging the setting device to stop its movement while the type carrier may continue to be moved further by the yieldable transmission until brought into normal relation to the setting device.

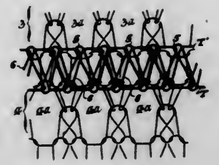
2,297,804
MATERIAL REDUCING MILL
James F. Siegfried, Easton, Pa.
Application June 3, 1939, Serial No. 277,202
9 Claims. (Cl. 83—9)

1. In a mill, primary and secondary reducing chambers having freely moving reducing elements therein, each chamber comprising a horizontal axis drum having an intermediate portion of uniform diameter and end wall portions tapering from the opposite ends of the intermediate portion toward the axis at an angle less than 30 degrees relative to said axis and having axial inlet and outlet openings at the opposite ends, said openings of the secondary drum having a larger diameter than the corresponding openings of the primary drum, and the intermediate portion of the primary drum being of less diameter and length than the corresponding portion of the secondary drum, bearing members mounted on the opposite ends of the secondary drum for rotatably supporting said drum, means connected to said secondary drum adapted for the application of power means to rotate said drum, a



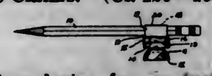
bearing member mounted on the inlet end of the primary drum for rotatably supporting said drum at the inlet end, a bearing member mounted on the outlet end of the primary drum supported on the bearing member mounted on the inlet end of the secondary drum with the outlet end of the primary drum extending through the inlet end of and into the secondary drum and retaining material in the primary drum at a higher level than in the secondary drum, and means to connect said latter bearing members to rotate the primary drum from and in unison with the secondary drum.

2,297,805
RAVEL STOP FOR KNITTED FABRICS AND METHOD OF MAKING THE SAME
Otto F. Smetana, Concord, N. C.
Application July 8, 1941, Serial No. 401,438
12 Claims. (Cl. 66—172)



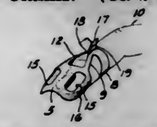
1. A ravel stop for knitted fabrics comprising a row of picot stitches which are formed from the thread used in the knitting; and a chain of stitches formed from a separate thread or threads along the picot row with the stitches of said chains respectively locking the stitches of the picot.

2,297,806
MAGNETIC HOLDER FOR PENCILS OR THE LIKE
Paul J. Smith, Omaha, Nebr.
Application April 14, 1941, Serial No. 388,436
9 Claims. (Cl. 120—108)



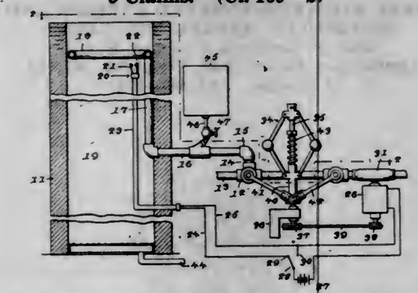
1. A holding device for an instrument comprising an elongated magnet, means carried by said magnet to clasp the instrument, a support, and means carried by said support for removably holding said magnet and instrument in a predetermined position, said means comprising a second elongated magnet adapted to attract said first named magnet and swing it to said predetermined position.

2,297,807
FINGERNAIL BONNET
Florence Sommers, Los Angeles, Calif.
Application November 17, 1941, Serial No. 419,467
6 Claims. (Cl. 2—21)



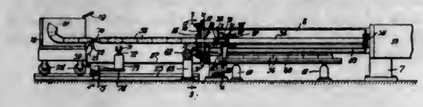
1. A fingernail bonnet consisting of a nail shield, a pair of cooperative clamping jaws positioned to engage opposite sides of a finger to which the device is to be applied, resilient arms whereby said jaws are supported by said shield in a spaced relation thereto, and a pair of spaced apart extensions carried by the device, said extensions, when forced close to each other, imparting to said arms a tortional movement which increases the distance between said jaws sufficiently to admit the finger between them.

2,297,808
SPRINKLER SYSTEM FOR CHIMNEYS
Ernest F. Soucy, Rumford, Maine
Application August 8, 1941, Serial No. 406,047
5 Claims. (Cl. 169—2)



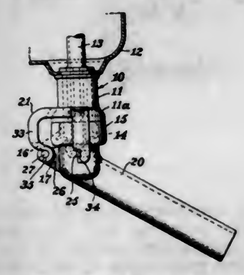
1. An automatic sprinkler system for chimneys comprising a fluid source, a conduit extending from the source and discharging into the chimney, a normally open electric circuit, temperature responsive means disposed within the chimney and connected in said circuit, said means being operative to close the circuit when the heat within the chimney reaches a determined maximum, a normally closed check valve within the conduit, and means rendered operative by the closing of the circuit to open the said check valve.

2,297,809
PIPE BEND MACHINE
Joseph F. Staroba, Chicago, Ill., assignor to Taylor Forge & Pipe Works, Cicero, Ill., a corporation of Illinois
Application April 1, 1940, Serial No. 327,111
8 Claims. (Cl. 153—48)



4. In a pipe bend machine, a mandrel rod of a length to receive a plurality of tubular blanks, a mandrel at the forward end of said rod, means for reciprocating said rod comprising a detachable coupling at the rearward end of said rod, removable means providing an abutment for the rearward end of the rearmost blank on said rod, means for supporting and retaining said rod in its forward position in substantial alignment with said reciprocating means when uncoupled therefrom, and means for positioning blanks between the rearward end of said rod and said reciprocating means for charging of the blanks onto said rod over the rearward end thereof by said reciprocating means, when said rod and said reciprocating means are uncoupled.

2,297,810
DRAIN FITTING
Robert J. Stewart and Henry H. Franz, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application July 24, 1939, Serial No. 286,258
2 Claims. (Cl. 285—129)

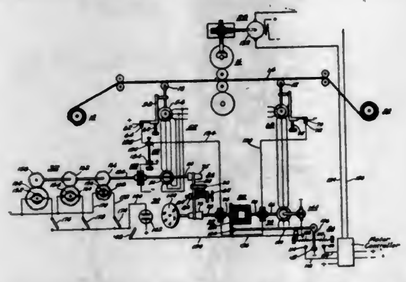


1. In a drain device for a filling tank filling head, a coupling element including a U-shaped portion adapted to engage a fixed portion of the filling tank, such as the exterior of the filling head, and a plurality of depending legs, said legs having pockets in their lower ends all opening in the same direction, and a tube element provided with projections to seat in the pockets on the coupling element legs.

2,297,811
PRODUCTION OF NITRILES
Emil Stocker, Basel, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application May 10, 1940, Serial No. 334,466. In Switzerland May 27, 1939
9 Claims. (Cl. 260—465)

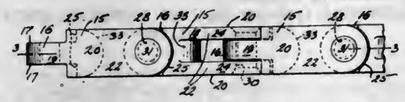
1. A process for the production of phthalonitrile, comprising causing phthalic acid diamide to react with an acid halide selected from the group consisting of phosgene, thionyl chloride and phosphorus oxychloride of an acylated secondary amine.

2,297,812
DRAFT CONTROL SYSTEM
Glenn E. Stoltz, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1939, Serial No. 282,197
13 Claims. (Cl. 80—32)



1. In a draft control system for a strip rolling mill, means applying a tension to the strip as it passes through the mill, and means responsive to the difference between the entry and delivery speeds of the strip for causing said tension applying means to control the tension applied to the strip.

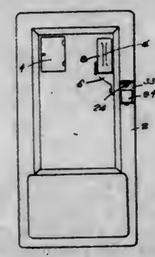
2,297,813
CHAIN
Ralph E. Stork, Hohokus, N. J., assignor to R. G. Wright & Company, Inc., Buffalo, N. Y.
Application July 7, 1939, Serial No. 283,241
4 Claims. (Cl. 198—189)



1. A chain comprising a plurality of similar links and being approximately square in transverse section, each of said links being provided at one end thereof with a substantially centrally disposed longitudinally inwardly extending slot and at the other end thereof with a centrally disposed longitudinally outwardly extending tongue, said tongue and said slot being disposed about the longitudinal axis of said link substantially at right angles to each other, the slot of one link being adapted to receive the tongue of an adjacent link when the adjacent link is turned through substantially a right angle about its longitudinal axis relatively to said first link, and means for pivotally connecting said tongue in said slot, the inner portion of said slot providing a recess in which a sprocket tooth may engage, the outer edge portion of said tongue being substantially semi-cylindrical and the inner edge of said slot also having a substantially semi-cylindrical convex face, whereby a sprocket tooth entering into said slot bears against said semi-cylindrical surfaces.

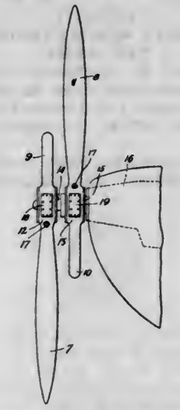
2,297,814
REFRIGERATOR
Bernard J. Taymans and George M. Glazier, Baltimore, Md.
Application February 27, 1941, Serial No. 380,864
2 Claims. (Cl. 62—141)

1. The combination with a refrigerator wall, a liquid receiving receptacle within the refrigerator and adjacent the inner side of said wall, a dispensing recess within the outer side of said wall and below the receptacle, of means for supporting and connecting said receptacle to the dispensing recess for dispensing purposes, said means comprising a horizontally disposed supporting bracket for the receptacle, said bracket being secured to the inner side of the wall, a



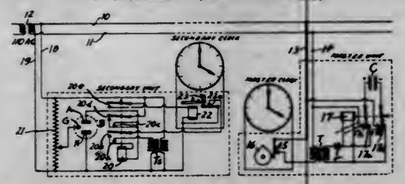
well within the bracket, a normally closed valve carried by the receptacle and adapted to be unseated when the receptacle is placed on the bracket, a valve unseating member carried by the bracket and extending upwardly through the bracket well, a faucet in the dispensing recess in the outer face of the wall and a pipe connection between the bottom of the well in the bracket and the faucet.

2,297,815
AIR ROTOR
Gage W. Tidd, Willow Grove, Pa., assignor to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware
Application May 2, 1939, Serial No. 271,319
8 Claims. (Cl. 170—159)



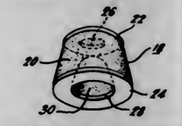
1. A single-bladed air rotor adapted to be driven through an axis member, said rotor incorporating counterweight means having rotational drag appreciably less than that of the single blade, the counterweight means being positioned to substantially counterbalance the action of centrifugal force on said blade and the center of gravity of the counterweight means being offset from a line containing the center of gravity of the blade and intersecting the rotor axis, the direction of offset being to that side of said line to which the leading edge of the blade is presented to substantially counteract the unbalanced force arising from the difference in drag of the counterweight means and blade when the rotor is being driven.

2,297,816
ELECTRICAL CONTROL SYSTEM
Torkel E. Torkelson, Baldwin, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 14, 1938, Serial No. 245,675
9 Claims. (Cl. 177—352)



9. An electrical control system comprising an electric power supply line, control apparatus including a condenser, a charging circuit powered from the line, transfer switching means for alternatively connecting the condenser to the charging circuit to be charged and to the supply line to discharge thereon, a relay coil for operating the transfer switching means, means including a switch for connecting the coil to the line to be energized thereby for operating the transfer switching means to disconnect the condenser from the charging circuit and to connect it to the power line to superimpose the condenser discharge upon the line voltage so as to increase the voltage on the line momentarily by at least a predetermined amount above normal, and a controlled unit embodying an electronic valve connected to the line remotely from said apparatus and adjusted to respond only to the momentarily increased line voltage for causing operation of the controlled unit upon each discharge of the condenser on the line.

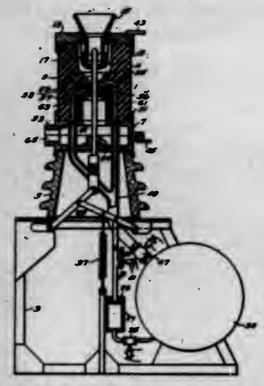
2,297,817
FILTER ELEMENT AND METHOD OF MAKING THE SAME
Clyde W. Truxell, Jr., Northville, Mich., and Roland P. Koehring and John M. Hildabolt, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 30, 1939, Serial No. 253,596
9 Claims. (Cl. 210—205)



1. A new article of manufacture for use in the filtration of fluids comprising, a highly porous mass of sintered metal made by sintering together loose, non-compacted metal powders including spaced apertured plates of a more dense metal bonded thereto with the apertures in substantial alignment.

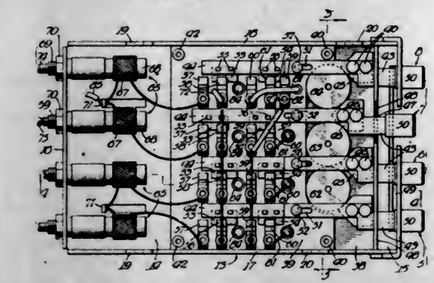
2,297,818
CIRCUIT INTERRUPTER
Roswell C. Van Sickle, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 21, 1941, Serial No. 394,401
15 Claims. (Cl. 200—148)

1. In a circuit interrupter of the fluid blast type, separable contact means for establishing an arc, a pair of cooperating nozzles disposed adjacent the intermediate portion of said arc, the two nozzles of said pair being positioned substantially on opposite sides of said arc and axially offset with respect to each other so that the two jets of fluid from said pair of nozzles



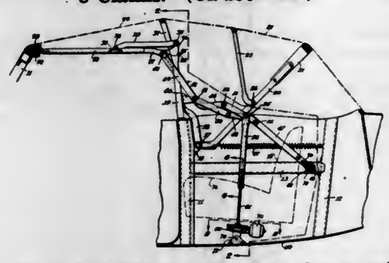
subject a portion of the arc therebetween to the shearing stresses created by said pair of jets, said pair of jets being directed into said arc path at an inclined angle with respect to the longitudinal axis of said arc.

2,297,819
CIRCUIT SELECTING SWITCH
Otto E. Wagenknecht, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application October 31, 1939, Serial No. 302,191
5 Claims. (Cl. 200—5)



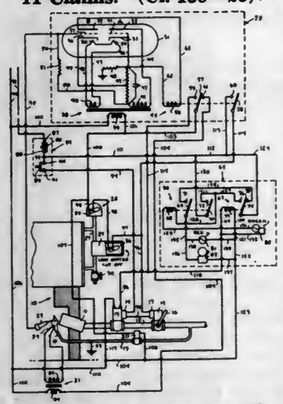
2. Selective switch mechanism comprising a plurality of individually operable circuit-controlling switch bars, means supporting said bars in parallel arrangement with respect to each other and guiding each of said bars to present lateral movement and permit reciprocal longitudinal movement thereof into and from circuit-closing position, an abutment extending transversely of said switch bars, wedging means comprised in each of said bars, and motion-transmitting means supported for and restricted to movement along said abutment and in position to engage with and be engaged by said wedging means, said motion-transmitting means acting, when forced against and transversely along said abutment by the wedging means of one of said bars when the respective bar is moved longitudinally toward its circuit-closing position, to transmit such transverse movement to the wedging means of another of said bars and force that bar longitudinally from its circuit-closing position.

2,297,820
FOLDABLE TOP STRUCTURE FOR MOTOR VEHICLES
Frederick J. Westrope, Pleasant Ridge, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application November 16, 1940, Serial No. 365,877
8 Claims. (Cl. 296—112)



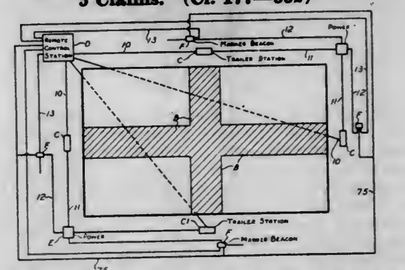
1. In a foldable top structure for a vehicle body having a seat extending thereacross, a pair of levers pivoted on aligned fulcrums on opposite sides of said body rearwardly of said seat, a top bow and link assembly operatively connected to said levers, power operated top raising mechanism connected to said assembly, bent brackets fixedly mounted on said levers and having portions bent inwardly toward each other, said inwardly bent portions having shaft-receiving bores therein, and a cross shaft shorter than the distance between said fulcrums interconnecting said brackets and secured in said bores.

2,297,821
COMBUSTION CONTROL AND SAFETY ALARM SYSTEM
Russell H. Whempner, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 26, 1939, Serial No. 275,920
11 Claims. (Cl. 158—28)



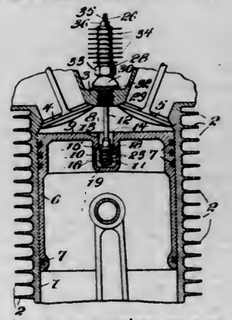
1. In a system of the class described, in combination, a combustion system comprising means forming a combustion chamber, means for supplying fuel to said combustion chamber, means for igniting said fuel, apparatus comprising control means for causing fuel to be supplied to said combustion chamber and for causing said fuel to become ignited, said control means also being operable to terminate combustion in said combustion chamber, means operable to check the capability of said igniting means of igniting incoming fuel, signal apparatus comprising interlocking electrical relays associated with said checking means and a signal device, energization of one of said relays being dependent on said checking means, and another of said relays becoming energized when said one relay is energized, means whereby energization of said other relay becomes independent of said one relay when said other relay is energized, said other relay being independent of said flame detecting means, and said signal device being arranged to give a signal when said one relay is deenergized and said other relay is energized.

2,297,822
RADIO LANDING CONTROL SYSTEM
Gerald H. Wintermute, Washington, D. C., and Gomer L. Davies, Woodside, Md., assignors to Washington Institute of Technology, Inc., Washington, D. C., a corporation of Delaware
Application June 23, 1941, Serial No. 399,360
In Great Britain February 20, 1939
5 Claims. (Cl. 177—352)



1. In combination with a landing area such as an airport, a plurality of fixed stations disposed at different points about the periphery of said landing area, each of said stations including means to receive and position a mobile unit including radio transmitting means employed in the radio guided landing of aircraft, a plurality of fixed radio transmitting means arranged about the airport, each of said fixed transmitting means being oppositely disposed from one of said fixed stations, and means operable by energization of said mobile transmitting unit when positioned at any one of said stations for simultaneously energizing the fixed transmitting means which is oppositely disposed with respect thereto.

2,297,823
INTERNAL COMBUSTION ENGINE
Neal J. Barnes, Oahu, Territory of Hawaii
Application May 19, 1941, Serial No. 394,211
3 Claims. (Cl. 123—143)



1. Ignition-by-compression means for internal

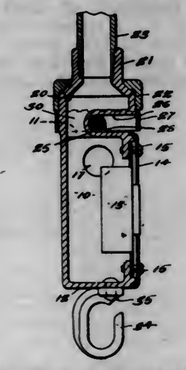
combustion engines, comprising in combination with a cylinder head and a reciprocating piston, in the space in the cylinder between which element the fuel charge is compressed, of an auxiliary compression and ignition chamber arranged below the flat upper face of the reciprocating piston, a compression head carried by the cylinder head and having a packing engagement with the contracted upper end of the auxiliary compression and ignition chamber.

2,297,824

CONDUIT OUTLET BOX

Carl H. Bissell and Raymond H. Olley, Syracuse, N. Y., assignors to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York

Application March 20, 1941, Serial No. 384,370
9 Claims. (Cl. 174—41)



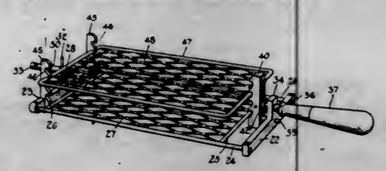
1. A conduit outlet box provided with conduit receiving apertures, one side wall of the box extending inwardly and forming a cable receiving channel, and means cooperable with the box to detachably secure a messenger cable in said channel.

2,297,825

STEAK HOLDER FOR BROILING APPARATUS

Stephen N. Bobo, New York, N. Y.

Application October 12, 1940, Serial No. 360,956
5 Claims. (Cl. 53—5)



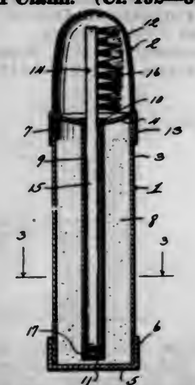
1. An improved broiling apparatus comprising, a rectangular frame, a shaft extending outwardly therefrom at one end thereof by means of which the rectangular frame may be mounted, a food broiler grid mounted on said rectangular frame, a shaft slidably mounted in the end of the rectangular frame remote from the first named shaft and in substantial alignment therewith, an upright secured to the end of the shaft within the confines of the rectangular frame and means for yieldingly forcing said upright toward the end of the rectangular frame carrying the shaft, a second rectangular grid frame being provided with a broiler grid, and notches on said upright spaced along the lengths of said upright for receiving and holding the second said broiler grid.

2,297,826

TOOTH BRUSH AND POWDER HOLDER

Roscoe J. Byrum, Grand Forks, N. Dak.

Application August 29, 1940, Serial No. 354,774
1 Claim. (Cl. 132—84)



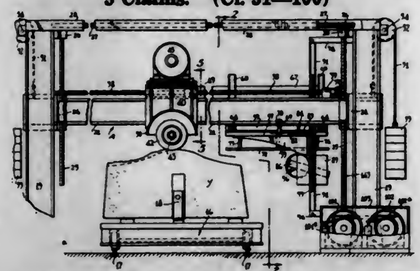
A combined receptacle and tooth brush carrier, comprising an elongated receptacle body having a closure wall at one end having a central opening, a tube having one end in said closure opening and extending into the receptacle, the tube being open at the said one end for the reception of the handle of the tooth brush and having the edge of the wall at the open end swaged over the edge of said opening, the receptacle having a discharge opening in its side wall adjacent the said one end, and a cap formed to receive the said one end of the receptacle to close said discharge opening and to cover the head of a tooth brush which has its handle disposed in said tube.

2,297,827

STONE CUTTING AND FINISHING MACHINE

John P. Ellenbecker, St. Cloud, Minn.

Application August 3, 1940, Serial No. 350,450
5 Claims. (Cl. 51—100)



1. In a machine of the kind described, a work support and a cutter support, means for imparting reciprocating traveling movements to one of said supports in respect to the other, a cutter mounted for vertical movements on said cutter support, a template mounted for traveling movements with the traveling support and extending in the direction of the line of travel, a tracer engageable with said template and arranged to be raised and lowered under traveling movements of said movable support, power means controlled by said tracer movements to cause movements of said cutter toward and from the work according to the design represented by said template, said template being free for limited sliding movements in the direction of its travel, and stop means set to limit the endwise sliding movements of said

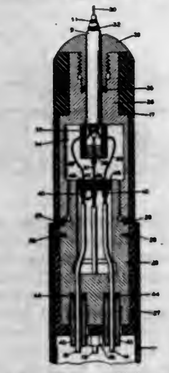
template in respect to said movable support, to an extent that compensates for the predetermined slack and lag in the power mechanism, and a manually engageable template shifting device operative at will at the reversal of the traveling movements of said movable support.

2,297,828

COUPLING

William R. Flatford, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application May 12, 1941, Serial No. 393,101
2 Claims. (Cl. 173—328)



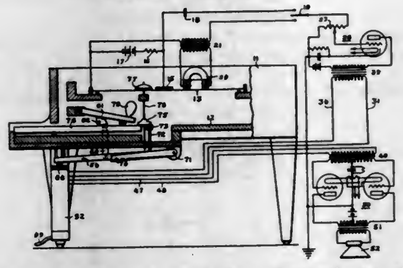
1. In a coupling for well logging apparatus, the combination comprising a body member; a multiple conductor cable extending through the body member, said cable having a weight supporting conductor; and a weight supporting member attached to the weight supporting conductor and electrically insulated from the body member, said weight supporting member being compressively loaded and transmitting the weight associated with said coupling to the weight supporting conductor of said cable.

2,297,829

ELECTRIC PIANO WITH PEDAL CONTROL

John Hays Hammond, Jr., Gloucester, Mass.

Application November 12, 1940, Serial No. 365,215
9 Claims. (Cl. 84—1.27)



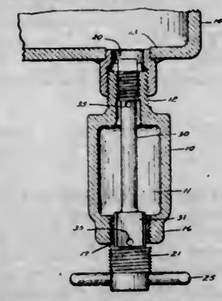
1. In a piano, a vibrating element, an electrical pick-up device connected to receive energy therefrom, a sound reproducing device, a transmission channel interconnecting said pick-up device and said sound reproducing device, and attenuation control means comprising a variable impedance network interposed in said transmission channel, said network being variable to control the attenuation of said channel and including means to maintain a substantially constant total impedance in said transmission channel, and manual control means to actuate said attenuation control means.

2,297,830

CONDENSATION DRAIN FOR EXPLOSION-PROOF FITTINGS

Clarence A. Hardage, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York

Application March 11, 1941, Serial No. 382,772
5 Claims. (Cl. 137—34)



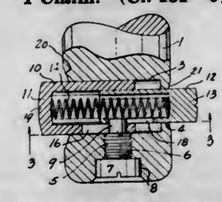
1. A condensate drain adapted to be arranged in the bottom wall of an enclosed explosion proof switch housing, said drain comprising a body formed with a passage extending therethrough and adapted to communicate with the interior of the housing, said passage being formed with axially spaced apart portions threaded internally in step pitch, a stem formed with axially spaced apart portions, said portions being provided with external threads in step pitch complemental to the threaded portions of the passage, with the portion of the stem intermediate said threaded portions being of reduced cross section, the threaded portions of said stem being so spaced that when one threaded portion of the stem is moved out of engagement with the complemental threaded portion of the passage, the other threaded portion of the stem is in threaded engagement with the other threaded portion of the passage, and said stem being provided with stop means cooperable with the body to prevent disengagement of both threaded portions simultaneously.

2,297,831

BOLT

Albert Sidney Heard, Banks, Oreg.

Application November 4, 1940, Serial No. 364,150
1 Claim. (Cl. 151—6)



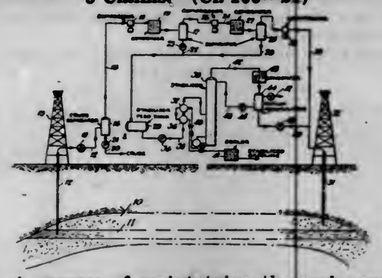
A shaft having an aperture extending transversely therethrough, a pair of pins yieldingly and slidably mounted in said aperture, means for urging said pins into extended positions with respect to the shaft, means for locking the pins in compressed positions with respect to the shaft, said means comprising angularly related slots in said pins, and a locking pin slidably embraced by said slots.

2,297,832

EXTRACTION AND TREATMENT OF VOLATILE LIQUID HYDROCARBONS

Edward J. Hudson, Houston, Tex., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

Application November 5, 1940, Serial No. 364,419
5 Claims. (Cl. 166—21)



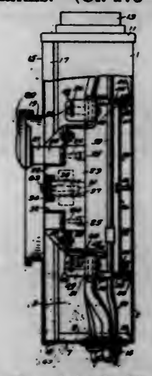
1. A process of maintaining the rock pressure in a subterranean oil producing stratum or reservoir while removing oil therefrom and wherein gas is associated with and absorbed in the oil, comprising removing oil saturated with gas from the reservoir and releasing the pressure thereon to separate the gas from the oil, compressing and cooling the separated gas to raise its pressure above the pressure in the reservoir and to condense unstable gasoline from the hydrocarbon vapors in the gas, conducting the compressed gas back to the reservoir, stabilizing the condensed gasoline by fractional distillation under sufficient pressure to condense substantially all low boiling hydrocarbon vapors separated from the gasoline and pumping the condensate as a liquid into the compressed gas to be returned in mixture therewith to the reservoir.

2,297,833

DETACHABLE INSTRUMENT SOCKET

Ernest G. Johansson, Watertown, Mass., assignor to Anchor Manufacturing Company, Boston, Mass., a corporation of Massachusetts

Application April 30, 1941, Serial No. 391,150
11 Claims. (Cl. 175—222)



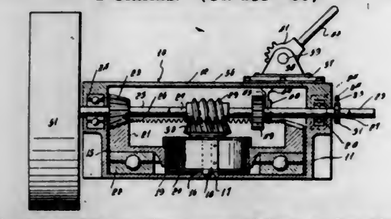
1. In a device for detachably receiving a detachable electrical instrument of the type having externally accessible first contact means, an enclosure having a cover section, a supporting structure positioned within said enclosure and attached to a portion of said enclosure separate from said cover section, said supporting structure including first insulating means, second insulating means, second contact means carried by said second insulating means for detachably receiving the first contact means of a detachable instrument, and means for attaching said second insulating means to said first insulating means for supporting said second insulating means substantially in its normal position independently of said cover section.

2,297,834

SPRING MOTOR

John Kalua Kahookano, La Salle, Ill.

Application March 20, 1941, Serial No. 384,398
4 Claims. (Cl. 185—39)



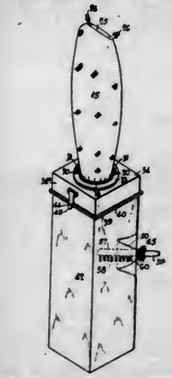
1. A spring motor comprising a housing, a perpendicular shaft journaled in the lower portion of said housing, a spring drum through which said perpendicular shaft extends and in which it is loosely disposed, a spiral spring disposed in said spring drum and having its outer end secured to the periphery of the drum and its inner end secured to the perpendicular shaft, a beveled crown gear keyed to said periphery and extending therearound and disposed in said housing, a horizontally disposed shaft extending through said housing, above the crown gear, and journaled therein, and a beveled pinion keyed to said horizontal shaft and enmeshed with the crown gear for rotating the horizontal shaft when the crown gear is turned by the unwinding of the spiral spring.

2,297,835

METHOD AND MEANS FOR EMPTYING VACUUM CLEANER DUST RECEPTACLES

Paul B. Levengood, Los Angeles, Calif.

Application May 9, 1941, Serial No. 392,650
7 Claims. (Cl. 15—56)



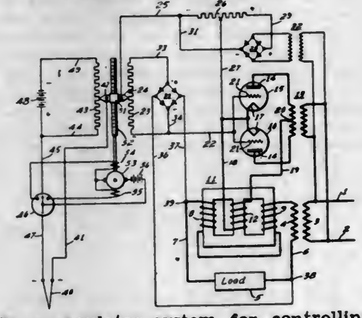
1. In combination, a vacuum cleaner dust receptacle for receiving the products of cleaning, said receptacle having an opening therein through which the cleanings are adapted to be removed, a coupling having an opening therein removably connected to the vacuum cleaner receptacle opening, a depository receptacle having an inlet opening removably connected to said coupling, said openings being adapted to permit the vacuum cleaner receptacle to be turned inside out therethrough, the coupling and dust receptacle being rotatable within said depository receptacle, and a brush disposed within said depository receptacle for engaging the turned inside surfaces of said vacuum cleaner receptacle to remove the dust, dirt and the like therefrom during a cleaning operation.

2,297,836

AUTOMATIC TEMPERATURE REGULATION

Cyril C. Levy, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 26, 1941, Serial No. 380,679
5 Claims. (Cl. 236—78)



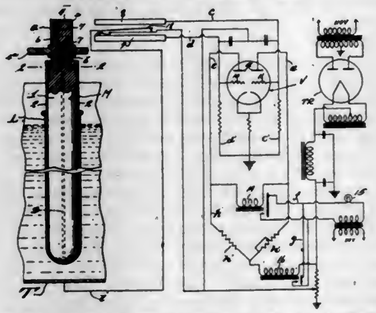
1. In a regulator system for controlling the temperature of an electrical device, a load circuit for supplying energy to said electrical device, a variable impedance device in said load circuit for limiting the energy supplied thereto, a control circuit for varying the effective value of said variable impedance device, means including a grid-controlled rectifier for supplying said control circuit, means for varying the grid potential of said rectifier including means for developing a voltage bias that is a measure of the temperature of said electrical device, and means for developing a voltage bias that is a measure of the flow of energy in said load circuit.

2,297,837

TESTING APPARATUS

Michael Henry Loughnane, Ventnor, N. J., assignor of one-half to Julius Schmid, Inc., New York, N. Y., a corporation of New York

Application February 8, 1941, Serial No. 378,073
10 Claims. (Cl. 175—183)



1. The method of testing a film of dielectric material, which comprises dividing the film into areas presumably having equal dielectric values, electrically coupling each of said areas with one leg of a Wheatstone bridge circuit in which the two legs are electrically balanced, applying a voltage to the other side of the film to create an electrical strain through the two areas, and employing any differences in dielectric strain between the two areas, resulting from physical differences between the two areas of the film, which would change the voltage in the bridge, to identify a below standard condition of the film.

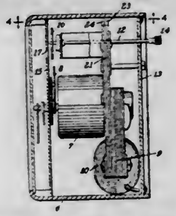
6. Mechanism for testing material having dielectric qualities, comprising an electric circuit including a bridge, said bridge having a pair of electronic tubes connected in parallel in the two sides thereof, the said sides of the bridge being electrically balanced, an electrically operated circuit controlling unit connected across the two sides of the bridge to be electrically operated by an unbalancing of the bridge, a pair of electrically spaced current conducting bodies adapted to contact one side of the material and each electrically connected with the grid of a tube, a current supply circuit connected at one side with the bridge circuit, and means for electrically coupling the other side of said current supply circuit with the opposite side of the material for impressing a definite electric potential thereon and the development of an electric strain in the portion of the material contacted by said bodies.

2,297,838

INDICATING DEVICE FOR ELECTRIC CLOCKS

Max Menkin, New York, N. Y.

Application July 2, 1940, Serial No. 343,519
2 Claims. (Cl. 58—26)



1. In combination with a clock and a self-starting synchronous operating motor therefor, a rotatable indicating element associated with the clock, and magnetic control means therefor operatively influenced by the motor field to continuously rotate said element in one direction while the current supply to the motor is maintained and to render said element inactive upon current interruption and after the current supply and operation of the clock is re-established.

2,297,839

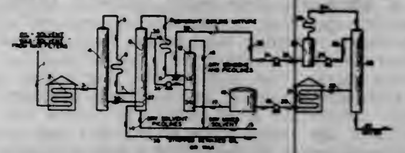
DEWAXING SOLVENT AND SOLVENT RECOVERY

James V. Montgomery, Okmulgee, and Robert W. Henry, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

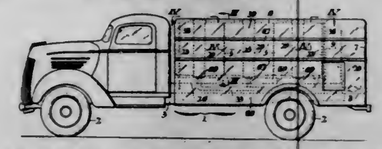
Application September 25, 1940, Serial No. 358,342
5 Claims. (Cl. 202—39)

1. The continuous process of recovering solvent from a dewaxed mineral oil which mineral oil contains traces of water and said water and solvent being mutually soluble and forming a constant boiling point mixture boiling at a temperature below that of water and of the solvent, said solvent being picoline to which has been

added an agent which has complete miscibility with the solvent, is relatively immiscible with water and boiling below 200° F., which comprises heating the mixture and passing the same to a first recovery zone, the mineral oil being recovered from the bottom of the first recovery zone and the solvent plus agent and water recovered from the top of the said first recovery zone as a vapor, condensing said vapor and passing the condensate to a second recovery zone, heating said condensate in the second recovery zone, recovering from the bottom thereof a large proportion of the solvent as dry picoline and the vapors passing overhead being condensed and separated into two phases of picoline plus agent and picoline plus water in a third zone, removing the picoline plus agent phase and combining same with the large proportion of dry picoline from the second recovery zone as dried recycle dewaxing solvent, passing the picoline plus water phase to a fourth recovery zone to remove the excess water as bottoms and returning the picoline as a constant boiling point mixture with water therefrom to the third recovery zone.



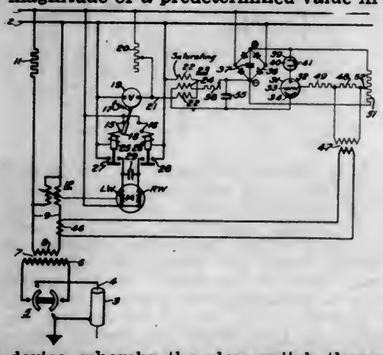
2,297,840
TANK CONSTRUCTION
Charles G. Pfeiffer, Philadelphia, Pa., assignor to Specialty Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 25, 1941, Serial No. 380,413
7 Claims. (Cl. 220—1)



1. A tank structure for liquid transporting vehicles comprising opposed plane surfaced plate components each having a pair of longitudinal edge flanges; opposed complementally channeled plate components each including oppositely inclined obtuse angled portions having co-planar edge flanges; said plate components when assembled with their respective flanges in matching planar abutment forming a body shell of substantially octagonal cross-section; peripherally flanged correspondingly octagonal end components engaged within the body shell; a tube having projection through the plane surfaced plates staggeringly related holes for filling and discharge purposes; and seam welds securing all of the several components aforesaid into a unified structure.

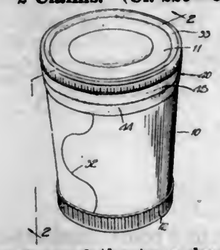
2,297,841
TIME-DELAYED CONTROL MECHANISM
Kenneth W. MacKenzie, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 26, 1941, Serial No. 380,626
8 Claims. (Cl. 171—119)

4. Voltage-regulating equipment for an electrical load-device subject to transient current-increases randomly recurring at a rate and with an intensity dependent upon the voltage, comprising, in combination; a supply-circuit for supplying energy to said load-device; voltage-regulating means associated with said supply-circuit; a source of unidirectional potential; a space-current arcing-device of a type having an anode-cathode arcing-space which is normally substantially non-conducting, starting control means for initiating the conductive operation of said anode-cathode arcing-space, said space-current arcing-device being of a type in which the anode-cathode current, once started, will remain flowing, independently of the subsequent condition of said starting control means, as long as any substantial unidirectional voltage is applied to said anode-cathode arcing-space; a thermally responsive glow switch having a glow-discharge path and a pair of thermally responsive contacts; circuit-connection means for establishing a main direct-current circuit serially including said unidirectional-potential source, the anode-cathode circuit of said space-current arcing-device, and said glow switch; means responsive to the load-current of the load-device for causing said starting control means to be operatively energized upon the attainment of an instantaneous current-magnitude of a predetermined value in said



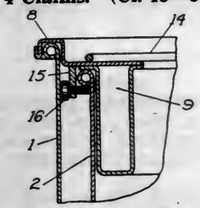
load-device, whereby the glow switch thereupon discharges, heating itself and after a predetermined delay closing the thermally responsive contacts therein, thereby effectively energizing said main direct-current circuit, whereupon the glow-switch contacts begin to cool and after a predetermined delay open again, thereby interrupting the current-flow in said main direct-current circuit; the duration of the effective energization of said starting control means by said control-circuit means being, at least at times, shorter than the time for said glow-switch contacts to reopen; a timing-device having two different operational conditions; means for normally developing a first actuating-effect tending to change said timing device from a first one of its operational conditions to its second operational condition; current-responsive means including a response to the anode-cathode circuit of said space-current arcing-device for at times counteracting said first actuating-effect and developing a second actuating-effect tending to change said timing-device in the opposite direction at a speed which is so slow, at times, as to require a plurality of transient current-increases to occur before the timing device is completely changed from its second operational condition to its first operational condition; means for making a lowering adjustment of said voltage-regulating means when said timing-device reaches its first operational condition; and means for making a raising adjustment of said voltage-regulating means when said timing-device reaches its second operational condition.

2,297,842
CONTAINER AND SEAL THEREFOR
Jesse E. Roach, Forest Hills, N. Y.
Application September 19, 1940, Serial No. 357,339
2 Claims. (Cl. 229—5.7)



1. A container of the type described comprising a body portion having tapered side walls and a bottom, a closure cap for closing the open side of the container, a flange defining the peripheral edge of the closure cap and overlying the side walls of the body portion in spaced relation thereto when the closure cap is in closing position upon the body portion, and a continuous band of smaller diameter than the diameter of the closure cap slidable over said body portion lengthwise thereof, for contracting the flange of the closure cap to contract the same and prevent withdrawal thereof from the container, said band bridging the joint between the closure cap and the container body.

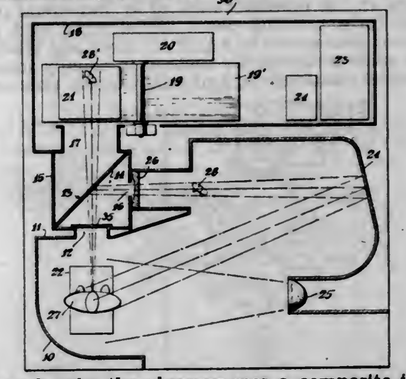
2,297,843
BAIT BUCKET
Edwin V. Sharpnack, Arnold, Pa.
Application June 28, 1940, Serial No. 342,982
4 Claims. (Cl. 43—56)



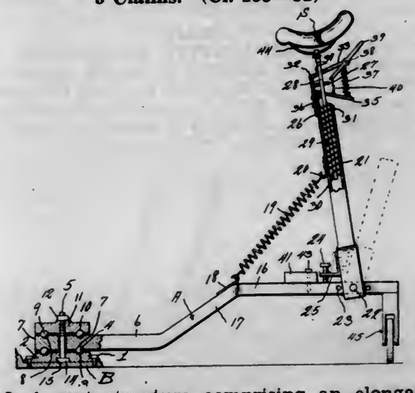
1. A bait bucket comprising a pail, a foraminous receptacle adapted to fit within said pail, a cover for said pail including an integral float chamber, and separable connecting means for securing said inner receptacle to said cover.

2,297,844
OPTICAL DEVICE
Albert M. Shoemaker, New York, N. Y., assignor to Diorama Corporation of America, Queens County, N. Y., a corporation of New York
Application January 17, 1941, Serial No. 374,878
3 Claims. (Cl. 88—24)

1. A display device including in combination, a housing formed with a viewing aperture, a miniature group positioned within said housing and in line with said aperture, a condenser lens assembly also located within said housing, reflecting means positioned to one side of said housing and designed to transmit the image of the observer to said condenser lens assembly, and a transparent mirror positioned between said miniature group and said viewing aperture and in the focal plane of said condenser lens assembly, whereby the observer sees a composite illusion of himself in miniature as a part of said miniature group.



2,297,845
STOOL ATTACHMENT
James O. Tempieton, Jr., Winchester, Tenn.
Application August 13, 1940, Serial No. 352,440
3 Claims. (Cl. 155—81)

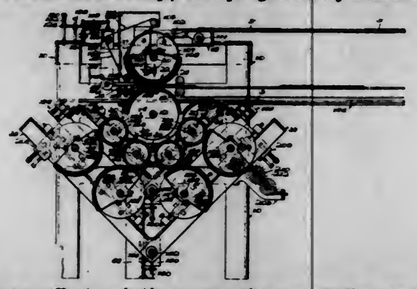


2. A seat structure comprising an elongated arm, means pivotally securing one end of the arm for swinging about a vertical axis, a pedestal pivotally secured to said arm adjacent the other end for swinging movement inwardly toward the pivoted end and outwardly therefrom, a seat supported on the pedestal, a bracket carried by the pedestal on the side adjacent the pivoted end of the arm, an adjustment screw carried by the bracket for contact with the arm to limit inward swinging of the pedestal, and spring means connecting the pedestal with the arm and constantly urging inward swinging movement of the pedestal.

2,297,846
METHOD OF AND APPARATUS FOR PRODUCING STEREOGRAMS
William Henry van Benschoten, Washington, D. C.
Application October 4, 1940, Serial No. 359,798
18 Claims. (Cl. 88—29)

1. The method of producing a composite picture suitable for use in the production of stereo-

grams which consists in progressively removing by an offset printing operation a series of equally spaced narrow band-like parallel increments from an ink representation of an individual picture on a printing plate, transferring said removed increments to a picture sheet and placing the same progressively thereon in equally spaced parallel relationship; and progressively removing



by an offset printing operation, a similar series of increments from an ink representation of a stereoscopically related picture on a second printing plate, transferring said latter removed increments to the picture sheet and placing the same progressively thereon in register with and in the voids existing on the picture sheet between the first-mentioned placed increments, thus substantially filling said voids.

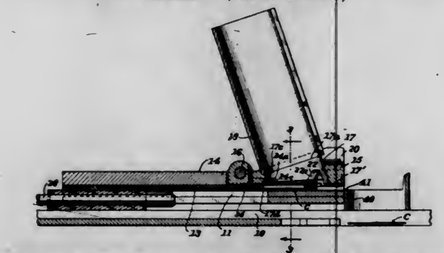
2,297,847

ARTICLE SEPARATING MECHANISM

Elbe A. Wilckens and Ellis M. Magill, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application March 31, 1941, Serial No. 386,192

11 Claims. (Cl. 214—8.5)



1. In a mechanism for separating flat articles, a chute to support articles in a stack and including a bent portion to arrange the articles in fanned relationship, means adjacent the bent portion to increase the spacing of the articles, and means to remove the article nearest the chute outlet.

2,297,848

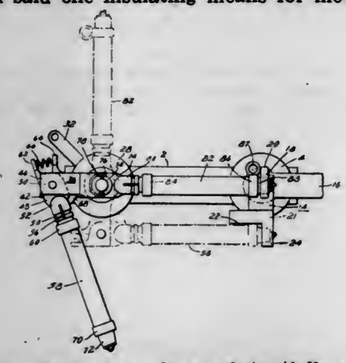
CIRCUIT INTERRUPTER

Herbert J. Crabbs, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 24, 1940, Serial No. 331,367

23 Claims. (Cl. 200—125)

4. In circuit interrupting means, a pair of spaced insulating supporting means at least one of which is mounted for rotation about its longitudinal axis, contact means on said insulating means, respectively, one fuse being mounted on said rotatable insulating means for movement therewith into and out of engagement with respect to the contact means on said other insulating means, and another fuse rotatably mounted on said one insulating means for movement



relative thereto in a plane substantially parallel to the plane of movement of said one fuse, into and out of engagement with respect to the contact means on said other insulating means.

2,297,849

FLATIRON STAND

Frank E. Wolcott, West Hartford, Conn., assignor to The Silex Company, Hartford, Conn., a corporation of Connecticut

Application October 17, 1940, Serial No. 361,556

3 Claims. (Cl. 248—117.2)



2. A stand comprising a plate adapted to support a heated flatiron on a surface on which said stand rests, a parabolic depression in said plate for reflecting heat rays from said flatiron, and means including a roller supported on the surface of said depression for movably supporting said flatiron in spaced relation to said plate and reflecting surface.

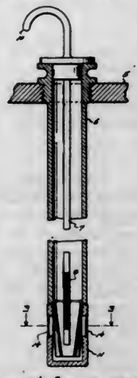
2,297,850

OIL-LEVEL MEASURING STICK

Joseph A. Woolery, Seattle, Wash.

Application December 6, 1939, Serial No. 307,824

5 Claims. (Cl. 33—126.7)



1. In an instrument for measuring the oil level within the oil basin of an internal combustion engine, the combination of an indicating stick, a pipe arranged to extend into the basin below the low-level line of the oil therein and serving as a housing for the stick, and a cup fitting over the lower end of said pipe and acting therewith to provide trap-flow communication between the basin and the interior of the pipe for liquid-sealing the latter against admission of misted oil from the basin.

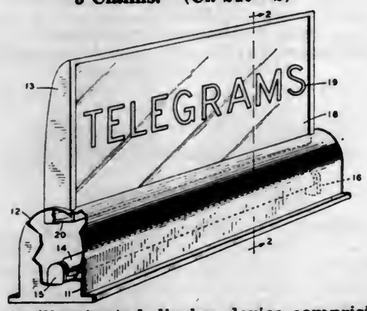
2,297,851

ILLUMINATED DISPLAY DEVICE

Clement H. Wyss, Jr., Tuckahoe, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application August 3, 1939, Serial No. 288,073

3 Claims. (Cl. 240—2)



1. An illuminated display device comprising, a reflecting chamber characterized by an elliptical cross section, a source of light disposed at one focus of said reflecting chamber, a diffusing chamber having a light reflective curved rear wall and communicating with said reflecting chamber adjacent the other focus thereof, a light refractive member disposed at the juncture of said chambers to direct a substantial portion of the light flux transmitted thereby toward the opposite end of said diffusing chamber, a light pervious panel disposed to form the front wall of said diffusing chamber, and means including said reflective rear wall and said refractive member for illuminating said panel substantially uniformly.

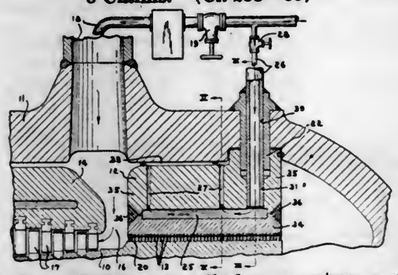
2,297,852

TURBINE CYLINDER CONSTRUCTION

Eric A. Zetterquist, Drexel Hill, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 10, 1941, Serial No. 401,705

8 Claims. (Cl. 253—39)



1. In a turbine, a cylinder; a rotor; a ring member encompassing the rotor and located entirely within the cylinder; means for supporting the ring member from the interior of the cylinder; and means for heating the ring member including an annular chamber formed therein, a conduit extending through the cylinder wall and having its discharge end communicating with said chamber for supplying steam to the latter, and one or more passages formed in the ring member for discharging steam from the chamber to the interior of the cylinder.

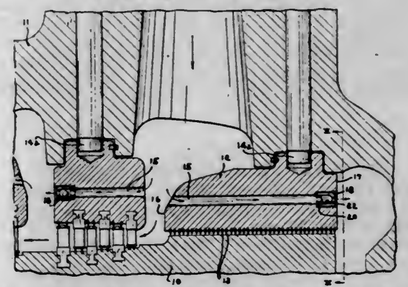
2,297,853

HEATING STEAM TURBINE

Eric A. Zetterquist, Drexel Hill, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 7, 1941, Serial No. 405,754

4 Claims. (Cl. 253—69)



3. In a turbine, a cylinder of a spindle, a ring member within the cylinder and encompassing the spindle, means for supporting the ring member from the cylinder, said means providing for expansion and contraction of the ring member relative to the cylinder and the spindle, sealing means between the ring member and the spindle, and means providing for rapid heating and slow cooling of the ring member, the last-named means including passages formed in the ring member and extending through opposite sides of the latter and means responsive to the pressure difference at opposite sides of the ring member for opening and closing the passages.

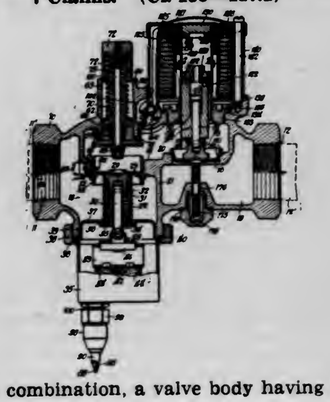
2,297,854

COMBINED THERMOELECTRIC SAFETY SHUT-OFF AND ELECTRORESPONSIVE VALVE

Henry F. Alfery, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Application November 9, 1939, Serial No. 303,602

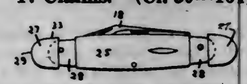
7 Claims. (Cl. 158—117.1)



1. In combination, a valve body having a pair

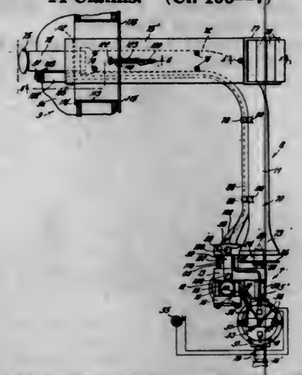
of valve openings therein, a valve controlling one of said valve openings, a second valve controlling the other opening, thermoelectric means including a thermocouple adapted to be subjected to the heat of a flame and controlling said first valve, electroresponsive means subject to the condition of a circuit independent of said thermoelectric means for controlling said second valve, said first valve being positioned anterior of said second valve, fuel supply means for a pilot burner positioned to maintain the supply of fuel to the pilot burner regardless of said second valve and as long as said first valve is open, closing of said first valve shutting off the supply of fuel through the valve opening controlled thereby and also shutting off the supply of fuel to the pilot burner, means for resetting said first valve, and means in position between said first and second valves for shutting off the flow of fuel through the valve opening controlled by said first valve during the resetting operation and without shutting off the supply of fuel to the pilot burner.

2,297,855
BOLSTERED HANDLED CUTLERY
Albert Edward Allen, Yorkville, N. Y., assignor to Utica Cutlery Company, Utica, N. Y., a corporation of New York
Application October 9, 1940, Serial No. 360,472
17 Claims. (Cl. 30—164)



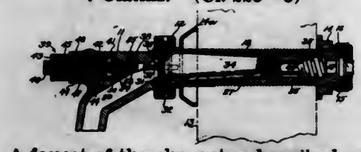
17. In a bolstered-handled knife, the combination of a blade, face plates adjacent the blade on each side thereof, rivets at the opposite ends of the face plate piercing the said ends of the face plates and riveted thereover, hollow bolsters slipped over the ends of said face plates and covering the heads of the rivets, said face plates being provided with recesses along their edges on their inner faces and flanges on the edges of the bolsters for entering said recesses as the bolsters are slid into position.

2,297,856
GAS BURNER
James Gerald Ames, Aurora, Ill.
Application October 23, 1939, Serial No. 300,723
14 Claims. (Cl. 158—7)



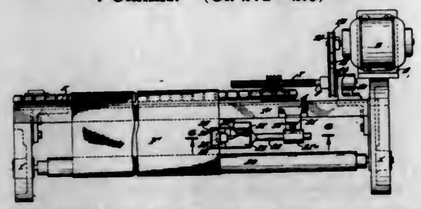
1. A gas burner of the class described comprising two parts with quick detachable couplings joining the parts when the burner is in service, one part comprising a body adapted to be permanently attached to a fixed support, said body having a permanent gas supply connection and a gas discharge nozzle, the other part constituting an extension of the body and comprising a secondary air duct, a mixing tube and burner head, said burner head and the outlet end of said air duct being adapted to be disposed within the combustion space of a furnace, means adapted for releasably mounting the extension adjacent the burner head and the outlet end of the secondary air duct upon the furnace, and quick detachable coupling means for connecting the inlet end of the mixing tube in operative relation to the gas discharge nozzle.

2,297,857
FAUCET
John N. Anagno, Lynn, Mass.
Application May 23, 1941, Serial No. 394,849
7 Claims. (Cl. 225—5)



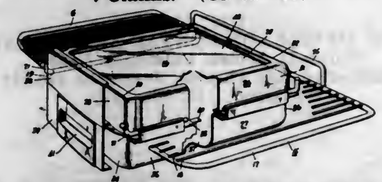
1. A faucet of the character described comprising a body made with a delivery conduit including an elongate conical valve chamber having an inlet at the smaller end thereof through which beer or the like is supplied under pressure and an outlet at the opposite end thereof; a valve seat within said chamber surrounding said outlet; an elongate conical valve member disposed within said chamber and having an exterior surface that is approximately parallel with the interior surface of the wall surrounding said chamber; means adjacent to the opposite ends of said chamber for slidably supporting said valve member centrally within said chamber so that it is movable toward and from said seat and normally urged independently endwise against the latter by the pressure of the beer or the like to close said outlet port, and a manually operable piston independently and slidably supported by said body opposite and axially alined with the outer larger end of said valve so that it is operable when moved endwise toward the latter to adjust said valve member away from said seat through endwise abutting engagement therewith.

2,297,858
FABRIC CENTERING DEVICE
Angelo Andreotto, Clifton, N. J., assignor to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Application July 24, 1941, Serial No. 403,887
7 Claims. (Cl. 271—2.6)



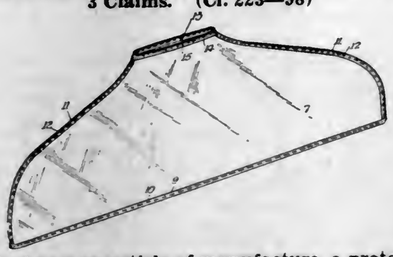
1. In fabric centering devices and in combination with means for feeding a web of fabric, of an endless belt over which the web of fabric may be led, rotary driving means for the belt, power means for actuating said rotary means in a given direction and in a reverse direction, and means adapted to be engaged and moved by the web of fabric for controlling the direction and duration of movement of said rotary means in accordance with creeping movements of the web of fabric transversely of its longitudinal axis, said driving means, power means and time-directional control means being adapted to effect continuous movement of the endless belt in a given direction and for an unlimited time when during said time the web of fabric continues creeping action in engagement with said time-directional control means.

2,297,859
REFRIGERATION APPARATUS
William B. Anderson, West Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 5, 1941, Serial No. 377,453
7 Claims. (Cl. 62—89)



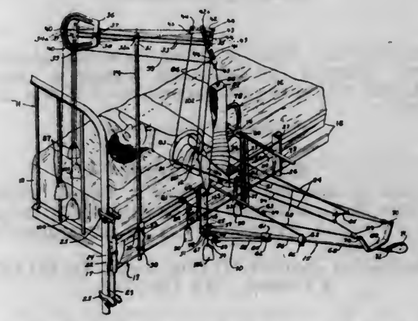
1. A meat storage receptacle for a refrigerator embodying an ice freezing cooling unit which requires defrosting at intervals, said storage receptacle embodying a rectangular lower pan having substantially vertically extending front, side and rear walls, a cover for said lower pan comprising an upper pan having side and rear walls extending downwardly therefrom and being normally open at the front thereof, the lower pan being slidable with respect to the upper pan from a closed to an open position to provide access to the interior of the receptacle, the front wall of said lower pan being extended upwardly to cover the open front of the upper pan when the receptacle is in its closed position, whereby free access to the interior of the receptacle is provided when the receptacle is in its open position, said upper pan being inverted from its normal position for receiving defrost water when the cooling unit is defrosted, and means providing a subtsantially water-tight closure for the open end of the upper pan during said defrosting.

2,297,860
GARMENT PROTECTOR
George Aranow, New York, N. Y., assignor to Richards, Boggs & King, Inc., Chicago, Ill., a corporation of Delaware
Application June 16, 1941, Serial No. 398,193
3 Claims. (Cl. 223—98)



1. As a new article of manufacture, a protector adapted to be placed over, and to protect, the shoulder portion of a garment on a hook equipped clothes hanger and comprising similarly shaped front and back pieces positioned one in front of the other and having their side margins and the outer portions of their top margins joined together and also having the central portions of the top margins thereof substantially straight and disconnected to form a slit-like aperture for receiving the hook of the hanger, and a continuous binding strip of U-shaped cross section extending around and in straddled relation with, and anchored to, the aperture defining portions of said front and back pieces, and serving to reenforce the last mentioned portions and prevent rupture of the protector at the ends of said aperture.

2,297,861
ADJUSTABLY SUPPORTED SPLINT
Didace Au Coin, Chicago, Ill.
Application December 26, 1939, Serial No. 310,955
3 Claims. (Cl. 128—84)

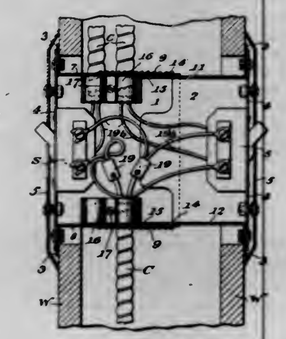


2. An adjustably supported splint adapted to be attached to a bed having a head post and side rails, said apparatus comprising an elongated base frame, clamps attached to one end of said base frame and adapted to engage said head post at a selected level, the other end of said frame presenting a vertically slotted surface extending across and facing said side rails, a bolt and nut adapted to hold firmly said surface against said side rails at said selected level, an upright standard, means for attaching said standard to said base frame in a selected position of rotation, at a selected distance from said head post and with a selected projection above said bed, an extensible multidirectionally pivotable arm base, means for attaching said arm base to said base frame at a selected distance from said head post, means for maintaining said arm base in a selected state of extension and in a selected position of pivotion, traction means supported by said arm base, a brace, and means for attaching said brace to said base frame at a selected distance from said head post.

2,297,862
SWITCH BOX
Walter H. Bachmann, Athol, Mass.
Application August 30, 1939, Serial No. 292,596
2 Claims. (Cl. 220—3.7)

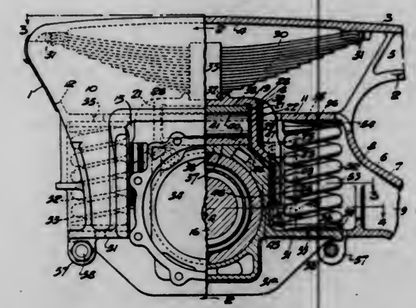
1. In a self-sustaining wall box for switch or like electrical control element, a pair of rectangular members slidably telescoping with each other, oppositely disposed flanges on the edge of the members and adapted to be resiliently clamped across opposite edges of a wall aperture, said members having ratchet surfaces in interengageable alinement for adjustable mutual ten-

sioning of said flanges against the wall when in place, said ratchet surfaces being disposed for interengagement inwardly of the wall box unit assembly, said flanges having means for attach-



ably receiving cover or other plate-like attachment, whereby the box may become a closed chamber within the wall receptive of wiring circuits.

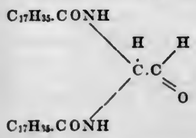
2,297,863
RAILWAY TRUCK
Donald S. Barrows and Glenn F. Couch, Rochester, N. Y., assignors to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application January 11, 1940, Serial No. 313,447
21 Claims. (Cl. 105—224)



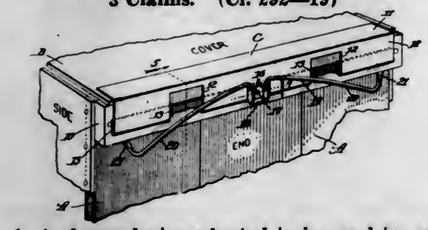
1. In a railway truck, in combination, a side frame having spring seats and depending jaws adjacent an end thereof, longitudinally and transversely spaced coaxial concave surfaces formed on said jaws, a vertically movable yoke having a top web and depending side arms, coaxial convex surfaces on said side arms adjacent and adapted to engage said jaw surfaces so as to provide for substantially constant bearing between said arms and jaws during a horizontal angling movement of said yoke with respect to said truck, a vertically movable journal box disposed between said arms and adapted to move transversely of said truck therebetween, spring seats formed on said journal box, spring means interposed between said journal box and side frame spring seats, and anti-friction means interposed between said yoke top web and journal box.

2,297,864
DIALDEHYDE COMPOUND AND PROCESS FOR MAKING SAME
Hans Beck, Krefeld, Germany, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
No Drawing. Original application May 22, 1937, Serial No. 144,304. Divided and this application April 11, 1939, Serial No. 267,339. In Germany May 27, 1936
9 Claims. (Cl. 260—404)

6. As a new substance, a condensate of stearic acid amide and monomeric glyoxal having the formula

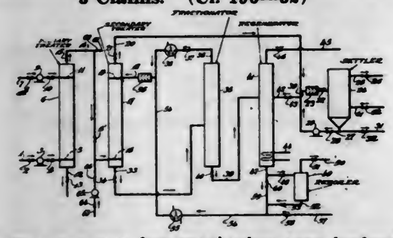


2,297,865
CLAMP DEVICE FOR CONTAINER CLOSURES
Walter D. Behlen, Columbus, Nebr.
Application July 13, 1940, Serial No. 345,421
3 Claims. (Cl. 292—19)



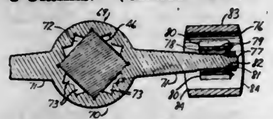
1. A clamp device adapted to be used in pairs for securing a cover upon a case, the case being provided on opposite sides with cleats, each clamp comprising an angular member having a horizontal top wall and a vertical side wall, hook means on said side wall providing a horizontal flange spaced from said top wall and adapted to receive therebetween an edge portion of said cover, said hook means having a depending portion adapted to engage an inner wall of said case, and means carried by said member for releasably engaging the lower portion of said cleat to lock said cover on said case, said depending flange carried by said hook portion being V-shaped in horizontal cross section to provide a reinforced flange structure.

2,297,866
TREATMENT OF HYDROCARBON OIL
Wayne L. Benedict, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 25, 1939, Serial No. 296,416
3 Claims. (Cl. 196—32)



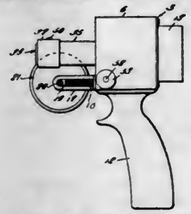
1. In a process for sweetening sour hydrocarbon distillate containing mercaptans wherein said distillate is treated with an alkali metal hydroxide dissolved in a solvent comprising a relatively low boiling alcohol and a higher boiling alcohol and the mercaptan-containing alcoholic solution separated from the treated distillate, the method of regenerating said mercaptan-containing alcoholic solution which comprises vaporizing the lower boiling alcohol from said solution, then vaporizing the mercaptans from the remainder of the solution to leave a residue containing the higher boiling alcohol and alkali metal hydroxide, combining said residue with the lower boiling alcohol from the first-mentioned vaporizing step, and supplying the resultant mixture to the distillate treating step.

2,297,867
MIXING MACHINE
Egon G. Berg and Melvin Ovestrud, Minneapolis, Minn., assignors to Pioneer Engineering Works, Inc., Minneapolis, Minn., a corporation of Delaware
Application September 21, 1940, Serial No. 357,708
8 Claims. (Cl. 259—175)



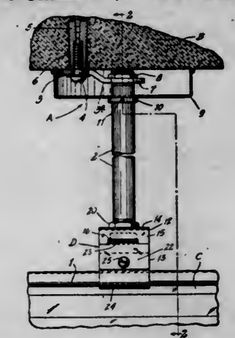
1. In a material mixing device of the character described, a rotatable shaft, an arm extending outwardly from the shaft, a paddle member mounted on the arm for oscillating adjustments thereon to thereby dispose the member angularly with respect to the shaft, a compression member on the paddle member, the said arm having a tapered end to engage the compression member, and means for releasably forcing said compression member into frictional engagement with the tapered end of the arm to thereby secure the paddle member in adjusted position on the arm.

2,297,868
MEANS FOR DETECTING AND INDICATING TEMPERATURE
Lauren Anatole Bergeron, Port Huron, Mich.
Application June 7, 1939, Serial No. 277,962
16 Claims. (Cl. 73—342)



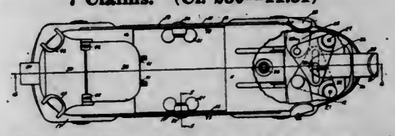
15. A device of the character described, said device comprising a portable casing including a pistol-grip handle, a visible indicator on the rear of the casing, a pair of laterally spaced heat sensitive probes projecting forwardly from the casing, and electrical means within said casing and connected in circuit with said probes and said indicator, said electrical means being operative upon application of the probes to the surface of a body to be tested to cause said indicator to show the temperature differential between the two points on the surface of the body contacted by said probes, and a forwardly spring pressed roller mounted on said casing between the probes to engage the surface of the body to be tested in advance of the tips of the probes and maintain contact with such body during the application of the tips to the body.

2,297,869
SUSPENSION SUPPORT FOR ELECTRIC LIGHTING FIXTURES
David J. Biller, St. Louis, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application February 28, 1942, Serial No. 432,734
6 Claims. (Cl. 248—343)



1. A suspension support for an electric lighting fixture or the like, said support comprising a rigid hanger member, a support for the upper end of said hanger member, a fixture holder fixed to the lower end of said hanger member, and separate means for horizontally adjusting the support for the upper end of said hanger member and the fixture holders on the lower end thereof at substantially right angles to one another to cause said hanger member to hang perpendicular.

2,297,870
SKATE
Herbert E. Brannon, Detroit, Mich.
Application December 20, 1940, Serial No. 371,004
7 Claims. (Cl. 280—11.31)



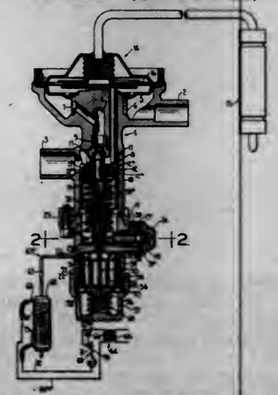
1. A skate comprising a sole plate, a pair of toe clips mounted on opposite sides of said sole plate for movement toward and away from each other, an actuating bar mounted on said sole plate for longitudinal reciprocation relative thereto and having a toe engaging lug at its forward end, said actuating bar being connected to said toe clips to move the latter toward each other when said bar is moved forwardly.

2,297,871
RUBBER CEMENT
Arthur W. Campbell, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application October 17, 1938, Serial No. 235,459
9 Claims. (Cl. 260—760)

1. The improvement in the manufacture of heat vulcanizing rubber cements which comprises reducing the tendency of said cements

to forms vulcanized gels on standing at ordinary temperatures by incorporating therein a halogenated nitroparaffin selected from the group consisting of chloro- and bromonitroparaffins having not more than eight carbon atoms, in an amount sufficient to retard the vulcanized gelling of the cement on standing.

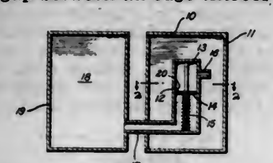
2,297,872
CONTROL APPARATUS
Franklyn Y. Carter, William E. Cowley, and Earnest J. Dillman, Detroit, Mich., assignors to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application April 9, 1940, Serial No. 328,736
6 Claims. (Cl. 137—153)



1. In a device of the character described, a first casing having a passageway therethrough with a valve port, valve means cooperable with said port to control flow of fluid through said passageway, said casing having an opening therethrough leading to said port, a second casing secured to said first casing and closing said opening, an abutment member having an aperture therethrough, a tubular member carried by said second casing and extending toward said port and through said aperture to provide a guide means for said abutment member, resilient means interposed between said abutment member and said valve means, means positioned by said tubular member and operable to adjustably position said abutment member for adjusting the force exerted by said resilient means, a thrust member extending through and guided for reciprocal movement by said tubular member and having a portion engageable with said valve means, and power means carried by said second casing and acting to move said thrust member into engagement with and to move said valve means toward a flow restricting position.

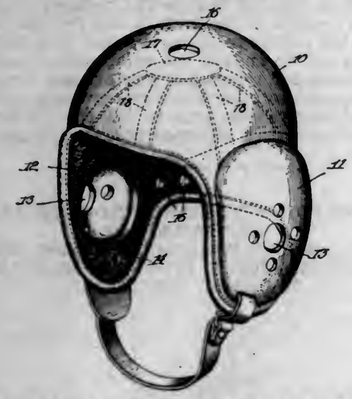
2,297,873
RATE OF CLIMB INDICATOR
Stephen Cerstvik, Newark, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Application October 30, 1940, Serial No. 363,572
7 Claims. (Cl. 73—179)

1. A rate of climb indicator for an aircraft comprising a casing, stationary guide means within said casing, a pressure actuated member sleeved about said guide means for movement within said casing, resilient means within said casing normally urging said member to a predetermined position, means communicating the interior of said casing at one side of said member with the atmosphere outside of said casing, an expansion chamber, means communicating the interior of said casing at the opposite side of said member with said expansion chamber whereby a difference in pressure occurs on the two sides of said member upon a change in altitude, said member loosely fitting said casing to provide a capillary gap between an edge thereof and a wall



of said casing whereby said member is actuated against the action of said resilient means upon an occurrance of a pressure difference on the two sides of said member due to a change in altitude and air is caused to flow through said gap to cause equalization of the pressures on the two sides of said member, one edge of said member constituting indicating means, and a window forming a side wall of casing for viewing said indicating means.

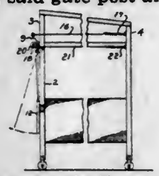
2,297,874
PROTECTIVE HELMET
John T. Clark, Cicero, Ill., assignor to John T. Clark Company, a corporation of Illinois
Application July 15, 1940, Serial No. 345,656
2 Claims. (Cl. 2—3)



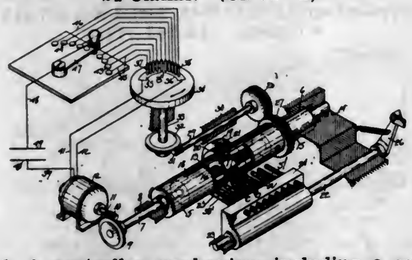
2. A protective device comprising an integral skull-shaped plate having a tensile strength between 1250 and 2500 lbs., an elongation between 250% and 600%, and a yield point of at least 70 lbs., said plate consisting essentially of a vulcanized plastic prepared by intimate admixture of thermoplastic rubber and rubber in the proportions of 1 to 2 parts of thermoplastic rubber to one of rubber, and including small proportions of filler and vulcanizing ingredients.

2,297,875
STARTING GATE
Walter Cormier, Vancouver, British Columbia, Canada, assignor to Santa Anita Westinghouse Control Gate Incorporated, a corporation of California
Application November 2, 1939, Serial No. 302,545
10 Claims. (Cl. 39—17)

1. A starting gate structure comprising a framework having spaced gate posts, a gate carried between said posts, automatic means for opening said gate, an electromagnet having an armature plate, said gate post and said gate having complementary projecting members, said projecting members being in overlapping relation when the gate is closed, and said armature plate being disposed between the overlapping members when in contact with the magnet.



2,297,876
CONTROLLER MECHANISM FOR GENERAL PURPOSES
Irving M. Crafts, Portland, and Charles B. Taylor, Middletown, Conn., assignors to The Pickering Governor Company, Portland, Conn., a corporation of Connecticut
Application April 25, 1941, Serial No. 390,352
24 Claims. (Cl. 74—1)



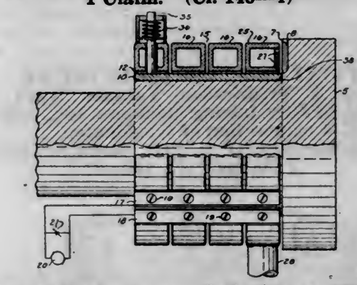
1. A controller mechanism including a movably mounted controller member, a separately movably mounted controller pin support, a set of pins rigidly carried by said support for successive operative movement with said controller member for operative movement of said support by either of said pins, and a control device operatively connected with said support for operation thereby.

2,297,877
SWING BRACKET
Peter De Bruin, Appleton, Wis.
Application May 28, 1941, Serial No. 395,679
1 Claim. (Cl. 248—341)



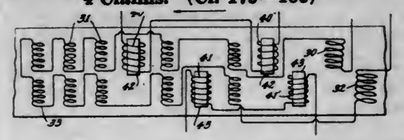
An overhead bracket for supporting rope swings comprising a plate pierced for the reception of fastening devices, by which it may be secured in a vertical plane to an overhead support, and having its lower edge bent forwardly and upwardly to form an elongated straight eye, and a loop comprising a pair of straight parallel inturned ends connected by a bowed portion, said bowed portion being dimensioned to have the end of a swing rope tied therearound, said eye being open at its top to a degree permitting the free placement of the inturned ends in said eye from the top of the eye, said ends having bearing in the eye substantially entirely across its width, the provision of the elongated open top eye permitting the removal of the loop with the rope still attached.

2,297,878
METHOD OF MAKING HARDENED COMPOSITE ARTICLES
Francis S. Denneen, Cleveland, and William C. Dunn, Shaker Heights, Ohio, assignors to Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application May 1, 1940, Serial No. 332,714
1 Claim. (Cl. 148—4)



The method of manufacturing a composite metallic article with a hardened wear receiving face thereon, comprising the steps of placing in intimate contact two metal elements of said article to be bonded together, inductively heating said elements in the region of said bond at a rate and with a frequency to permit fairly deep heating to bonding temperature by a magnetic flux field, thereafter inductively heating said wear receiving face to hardening temperature with a current of higher frequency and finally quenching said face by impinging liquid thereon to harden the same without quenching said bonded region.

2,297,879
RAIL FLAW DETECTOR MECHANISM
Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application March 17, 1939, Serial No. 262,356
4 Claims. (Cl. 175—183)



1. A rail flaw detector mechanism adapted to be responsive to variations in an electromagnetic field surrounding the rail, said mechanism comprising a plurality of pairs of induction coils, each pair arranged in tandem along the longitudinal axis of the rail, each of said pairs coacting with a different portion of the railhead, the coils of each pair being of equal inductance and oppositely connected, and a plurality of auxiliary pairs of induction coils, one of said auxiliary pairs coacting with one side of the railhead and the other pair coacting with the other side, each of said pairs comprising one coil in advance and one coil to the rear of said first named pairs of induction coils, the respective advance coils and the respective rear coils being

arranged in axial alignment, each coil of said auxiliary pairs being of equal inductance to the other coils and the coils of each pair as well as the pairs of coils being oppositely connected.

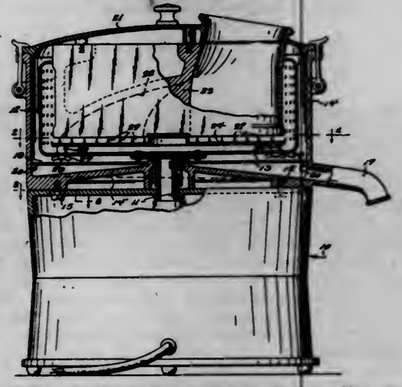
3. A rail flaw detector mechanism adapted to be responsive to variations in an electromagnetic field surrounding the rail, said mechanism comprising a pair of induction coils positioned with their axes in alignment at an angle transverse to the longitudinal axis of the rail, a direct conductive connection between said members extending across the railhead, said coils being of equal inductance and oppositely connected, the differential E. M. F.'s generated by said members being adapted to be impressed upon the input of a thermionic amplifier.

2,297,880

FRUIT AND VEGETABLE JUICER

Clarence A. Fredrickson, Tacoma, Wash., assignor to Jiffy Juicing Machines, Inc., Yakima, Wash., a corporation of Washington

Application January 21, 1939, Serial No. 252,158
7 Claims. (Cl. 146—3)



1. In a fruit and vegetable juicer, the combination of a basket revoluble about a vertical axis and provided with a perforated side wall and an imperforate floor, a rotary cutting disc supported within the basket in spaced relation above the imperforate floor thereof, the cutters of said cutting disc comprising upstanding teeth struck upwardly and inwardly from the body of the disc to lie at substantial right angles to the plane of the disc surface and to traversing radii of the disc and leaving openings in the latter leading to the space between said disc and the imperforate floor, and means depending into the basket and forming a delivery throat terminating immediately above the upper limits of the teeth for feeding the material which is to be juiced into cutting relation thereto, said throat being arranged and adapted to overlie a segmental portion of the disc and having its upper wall converging toward the surface of the latter in the direction of disc rotation.

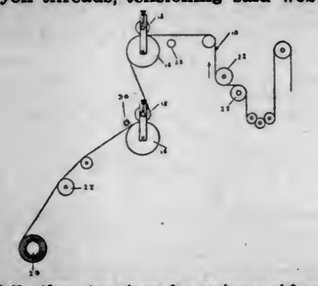
2,297,881

METHOD OF AND MEANS FOR REMOVING DRAWSTRINGS FROM LACE WEBS

George Fuller, New Rochelle, N. Y., assignor to Solomon & Birnbaum, Inc., New York, N. Y.

Application February 12, 1941, Serial No. 378,558
7 Claims. (Cl. 28—73)

1. The method which comprises producing a web composed of a plurality of fabric strips the adjacent edges of which are connected together by vinyon threads, tensioning said web laterally



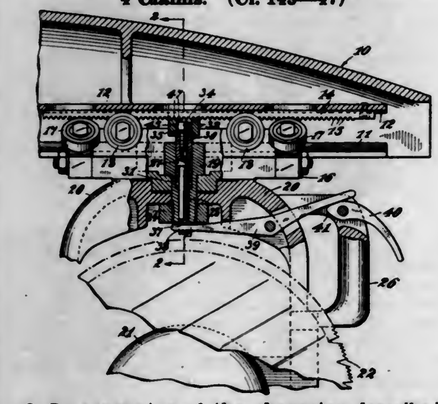
and while thus tensioned passing said web over a heated drum to fuse said vinyon threads, and thereby separate said strips from each other.

2,297,882

CARRIAGE FOR CUTTING OR SAWING MACHINES

Wallace W. Gardner and Ewald Schutz, Lancaster, Pa., assignors to De Walt Products Corporation, Lancaster, Pa., a corporation of Pennsylvania

Application April 4, 1940, Serial No. 327,812
4 Claims. (Cl. 143—47)



2. In apparatus of the character described, a horizontally extending arm, a carrier secured to said arm for movement longitudinally thereof, a yoke secured to said carrier for rotation relative thereto about a vertical axis, a motor driven rotatable cutting element mounted in said yoke, cooperating members carried by said arm and said carrier for normally locking said carrier against longitudinal movement relative to the arm, and releasing means carried by said yoke and connected to one of the cooperating members, said releasing means being rotatable along with said yoke while said cooperating member to which the releasing means is connected is held against rotation.

2,297,883

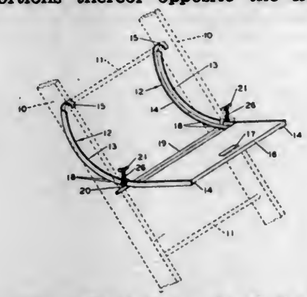
ADJUSTABLE LADDER PLATFORM

John J. Glover, Kansas City, Kans.

Application November 25, 1941, Serial No. 420,421
9 Claims. (Cl. 304—10)

1. A device adapted to be mounted on a ladder having a pair of side bars and a plurality of rungs comprising a pair of substantially parallel curved members, a hook at one end of each

member for engagement with a rung of the ladder, a platform connected to the members at the end portions thereof opposite the hooks, and



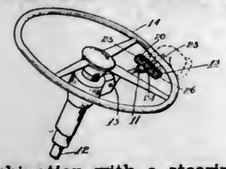
means intermediate the ends of the members for adjustably positioning the same with respect to the side bars of the ladder.

2,297,884

GEARSHIFT LEVER HANDLE CONSTRUCTION

Delmo L. Govoni, Joliet, Ill.

Application February 2, 1942, Serial No. 429,167
3 Claims. (Cl. 74—484)



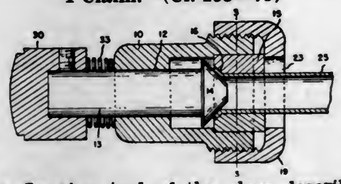
1. In combination with a steering wheel and a standard gear shift construction having first, second, third and reverse speeds, and a gear shift lever positioned adjacent said steering wheel, a loop straddling said gear shift lever adjacent its outer end, said loop of sufficient length and width above said gear shift lever to snugly receive the outer portions of the first two fingers of the operator and of sufficient length and width below said gear shift lever to snugly receive the outer portions of the last two fingers of the operator, said loop having a lower portion, an upper portion, an inner end portion, and an outer end portion, said portions adapted to receive pressure from the fingers of the operator to move the lever in all of the four required directions to shift into said first, second, third and reverse speeds of said gear shift construction, while the hand of the operating fingers of the operator remains throughout on said steering wheel.

2,297,885

FLARING TOOL

Victor L. Graf and Robert C. Addy, Detroit, Mich., assignors to V. L. Graf Company, Detroit, Mich., a corporation of Michigan

Application September 19, 1940, Serial No. 357,434
1 Claim. (Cl. 153—79)



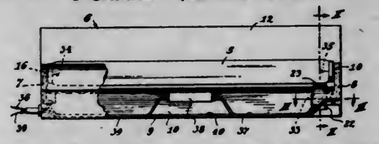
In a flanging tool of the class described, in combination with a hollow body having a continuous opening therethrough of stepped diameter including an enlarged counterbored portion at one end of the body, a female swaging die assembly formed in substantially radially divided sections removably slidable into said counterbored portion at one end of the body, a cap removably affixable to said end of the body to retain said die assembly, the die assembly being deeper than the counterbored portion, whereby such assembly when fully installed projects longitudinally from the body, the cap and die assembly having registering longitudinal openings therein through which a tube to be flanged may be inserted, whereby the tube may project through and from the opposite side of said die assembly, the opening in the cap being larger than the flange formed by the tool but smaller than the maximum diameter of the die assembly, whereby the flanged tube may be removed through the cap after separation of the die sections, and a cooperating male die arranged upon said opposite side of the female die assembly and movable toward and from the same and having a head portion projecting outside the body to be engageable by a hammer or the like.

2,297,886

GLOW RELAY MOUNTING

Daniel S. Gustin, Bloomfield, N. J., and Charles H. Hodgkins, Fairfield, Conn., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 27, 1939, Serial No. 296,736
5 Claims. (Cl. 176—124)



1. A compact relay unit for closing an electric circuit to a discharge lamp, comprising a casing, a relay within said casing provided with a pair of contacts, an impedance element within said casing and connected in electrical parallel with the contacts of said relay for suppressing radiations of radio frequency, said relay and said impedance being spaced in close proximity to each other and to the interior wall of said casing to confine the dimensions of said casing to a minimum, and contact terminals on said casing connected to the contacts of said relay and to said impedance element and adapted to detachably engage a socket upon insertion of said relay unit therein.

2,297,887

MOLDING

William J. Hall and Orley J. Crowe, Detroit, Mich.

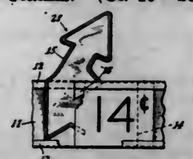
Application September 11, 1940, Serial No. 356,304
12 Claims. (Cl. 189—88)



1. Molding comprising a base adapted to be fastened to an article upon which the molding is to be applied and comprising thin steel lamina-

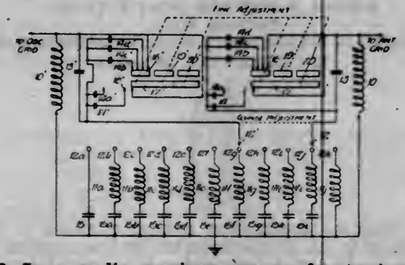
tions nesting one within the other and having laminated base portions and laminated flange portions at the opposite edges of the base portions and projecting away from one side of the latter, the flange laminations being resilient and slidable one on the other, and a cover strip covering the base and having inwardly directed edges cooperating with said flanges for retaining the cover on the base, the laterally outer flange laminations having portions adjacent to and converging towards the base portions and which are adapted to be retainingly contacted by the edges of the cover and also having outer portions converging outwardly away from the base to provide inclined lead in surfaces for facilitating snap-on application of the cover.

2,297,888
PRICE TAG INDICATOR
Herman F. Heileman, Kenoza Lake, N. Y., assignor to The Wickersham Press, Inc., New York, N. Y., a corporation of New York
Application July 10, 1940, Serial No. 344,649
3 Claims. (Cl. 40—16)



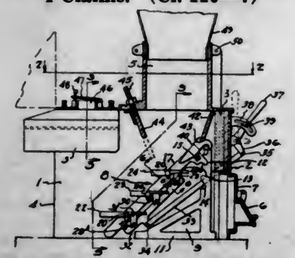
1. The combination of a tag channel, a goods indicator and a price tag, said goods indicator and said price tag being removably associated with said channel, said goods indicator comprising channel engaging and channel clearing portions, the latter portion extending sidewise from said former portion and being adapted to project substantially above the upper edges of the channel, said channel engaging portion being provided with at least one cut-out at its junction with said channel clearing portion, said removable price tag covering said cut-out and said channel engaging portion and holding the latter securely in the channel, said cut-out serving for accomodating a substantial corner portion of the price tag to facilitate its direct engagement with the channel, the latter being adapted to be attached to a goods-supporting shelf.

2,297,889
STEPWISE TUNING OF ELECTRICAL CIRCUITS
Elmer L. Hoffmann and Donald M. Fetterman, Chicago, Ill., assignors to Sonora Radio & Television Corp., Chicago, Ill., a corporation of Illinois
Application December 13, 1939, Serial No. 308,926
4 Claims. (Cl. 250—40)



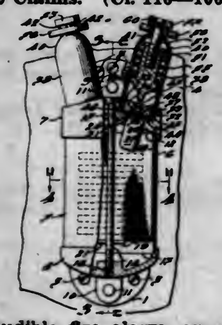
3. In a radio receiver, means for tuning to frequencies within a single band of frequencies by coarse adjustments and fine adjustments within said coarse adjustments, said means consisting of an inductor and a capacitor connected in series relationship, a plurality of series connected capacitors and inductors selectively connected in series relationship to the first mentioned capacitor and inductor, said capacitors and inductors constituting a coarse adjustment, a plurality of capacitors selectively connectable in shunted relationship to the first mentioned capacitor constituting the fine adjustments, said first mentioned capacitor and inductor and said series connected second mentioned capacitors and inductors having such a ratio of values to one another that when switching the various series connected capacitors and inductors into and out of the circuit the resonance frequency of said circuit is altered in substantially equal coarse steps of frequencies and when switching into and out of the circuit the various fine step capacitors the various coarse step adjustments are substantially equally subdivided into fine steps of frequency.

2,297,890
FURNACE
Robert E. Huffschmidt, Portland, Oreg.
Application October 9, 1939, Serial No. 298,557
4 Claims. (Cl. 110—7)



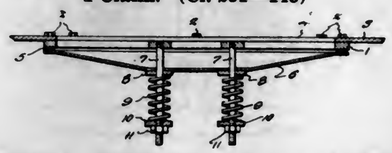
1. A furnace for burning granular fuel comprising, a shell formed with a throat to be served by a suitable hopper, draft aperture, and combustion chamber, an adjustably inclined grate element having equi-angularly adjustable grate bars of progressively increased widths horizontally trunnioned in a common plane, and means to support said grate element under said throat between said draft aperture and said combustion chamber.

2,297,891
FIRE ALARM
Charles K. Huthsing, Grosse Pointe, Mich.
Application November 29, 1940, Serial No. 367,687
10 Claims. (Cl. 116—106)



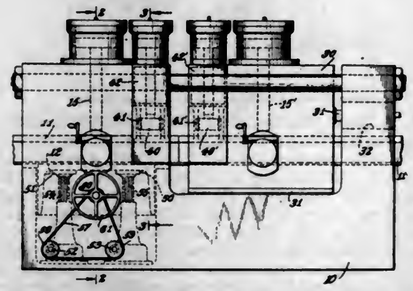
1. In an audible fire alarm, an explosive device comprising a cylinder for receiving a blank cartridge, an expansion chamber communicating with said cylinder for receiving the products of combustion, and temperature controlled means for detonating the blank cartridge.

2,297,892
AIR PRESSURE RELEASE FOR CLOSED AUTOMOBILES
Frank H. Jacobs, Puyallup, Wash.
Application January 28, 1941, Serial No. 376,375
1 Claim. (Cl. 251—145)



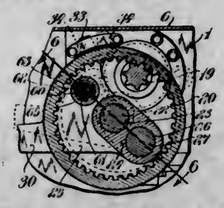
A valve comprising a substantially rectangular skeleton frame having spaced intermediate cross bars provided with threaded apertures at their medial points, elongated guide bolts threadedly secured in the aforesaid apertures, a substantially pyramid shape valve member having a flat apex provided with apertures adapted to slidably receive said bolts, said valve member having its edge portion lying in parallelism with the outer surface of the skeleton frame, a rectangular gasket secured to the outer surface of the skeleton frame in opposed relation to the edge portion of the valve member, apertured bushings disposed on the flat apex of the valve member and having apertures therein registering with those in said flat apex, washers on the free end portions of the bolts, nuts threaded on the free ends of the bolts and bearing against said washers and expansion coil springs surrounding the bolts with their opposite ends bearing against the bushings and washers.

2,297,893
RAIL WELDING
George Lester Jones, Garden City, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application November 4, 1939, Serial No. 302,836
4 Claims. (Cl. 219—4)



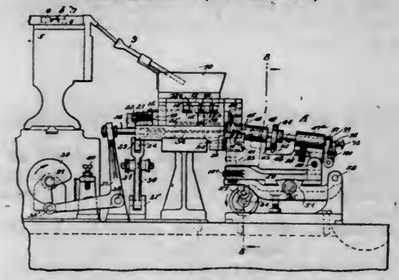
1. In a rail welding machine, means for supporting the adjacent ends of the rails to be welded, and means for moving one rail end relative to the other rail end, said means including means whereby inclination may be imparted to one of said rail ends relative to the other rail end to provide a predetermined camber and whereby said first rail end may be moved vertically relative to said other rail end without changing said camber.

2,297,894
COAL MINING MACHINE
Joseph F. Joy, Franklin, Pa., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Original application May 27, 1936, Serial No. 82,153, now Patent No. 2,205,012, dated June 18, 1940. Divided and this application October 27, 1939, Serial No. 301,652
9 Claims. (Cl. 254—187)



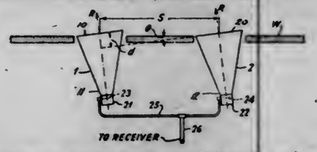
9. In combination, a cable winding drum, a rotatably supported drum driving gear, a gear secured to said drum in coaxial relation therewith and adapted to mesh with said drum driving gear, an element providing a bearing in laterally offset relation to said drum driving gear, a frame in the form of a bell crank mounted for swinging movement upon said bearing and having angularly disposed arms, a bearing on said bell crank frame between said arms, said second mentioned bearing axis being parallel to the axis of said drum driving gear and laterally offset from and lying outside of said first mentioned bearing, said drum being journaled upon the bearing on said bell crank frame, means associated with one of the arms of said bell crank frame for swinging said bell crank frame oppositely into different positions about said first mentioned bearing respectively to effect engagement and to effect disengagement of said second mentioned gear and said drum driving gear, means associated with the other arm of the bell crank frame for limiting swinging motion of said bell crank frame, and a brake on said bell crank frame at a point located at the side of said drum bearing opposite from the crank pivot between the crank arms and engaging said drum for frictionally resisting rotation of said drum when said gears are moved out of mesh.

2,297,895
COILED-COIL PRODUCT AND METHOD OF AND APPARATUS FOR MAKING THE SAME
Samuel Karasick, Mount Vernon, N. Y.
Application February 12, 1937, Serial No. 125,476
64 Claims. (Cl. 153—64)



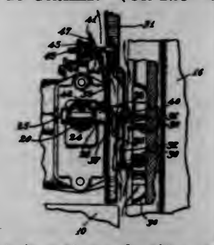
1. The method of winding a primary helix wire into a secondary helix which comprises moving the primary helix through a predetermined path and in individually separating adjacent turns of the primary helix to produce a secondary helix.

2,297,896
WIDE BAND ELECTROMAGNETIC HORN ANTENNA
Martin Katzin, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 8, 1941, Serial No. 382,291
1 Claim. (Cl. 250—11)



An antenna system comprising a pair of elongated horn antennae arranged side by side and having their longitudinal axes arranged in the same direction, said antennae being spaced along the direction of arrival of signals, one from the other, a distance equal to an odd multiple, including unity, of a quarter of the operating wavelength, a transmission line connecting said antennae together, and a transducer connected to said transmission line at such point along said line that phase shift caused by said spacing is compensated.

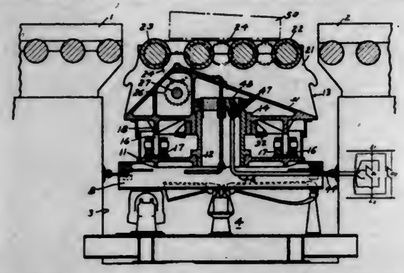
2,297,897
GOVERNOR FOR INTERNAL COMBUSTION ENGINES
William L. Kissel and Robert G. Krueger, Hartford, Wis., assignors to B. M. Kissel, doing business as Kissel Industries, Hartford, Wis.
Application August 1, 1940, Serial No. 349,083
15 Claims. (Cl. 123—103)



1. In an internal combustion engine, having a fan for creating a flow of air, the combination of a deflector for passage of air from the fan and terminating adjacent the engine cylinder to provide cooling air for the cylinder, a fuel intake passage, a valve controlling the flow of fuel therein, a partition in said deflector for separating a portion of the air from that flowing to the cylinder, and an air vane located in the separated portion of the flow and responsive thereto to operate said valve.

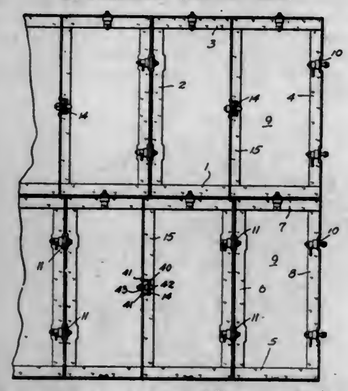
2,297,898
WORK MANIPULATING AND WEIGHING DEVICE
Kurt P. Kohler, Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 19, 1939, Serial No. 274,538
3 Claims. (Cl. 80—44)

1. A table section of a mill table comprising a weighing scale equipped with a circular-shaped weight supporting platform, a vertically arranged cylindrical post mounted in a centrally disposed opening in said platform, a turntable located above said platform, a centrally disposed hub on the lower side of said turntable arranged to fit over the upper end of said vertically arranged post, a series of annularly spaced vertically disposed rollers mounted on the top of said weight-supporting platform, an annular downwardly projecting rail on the bottom of said turntable



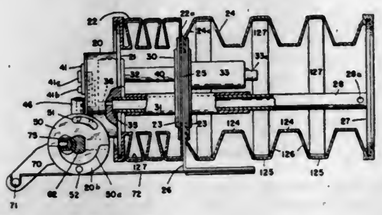
positioned to engage said rollers, a series of horizontally spaced article supporting rollers mounted in the top of said turntable, means mounted in said table for rotating said article-supporting rollers, and power means for rotating said table.

2,297,899
STRUCTURAL FORM FOR CONCRETE AND LOCKING MEANS THEREFOR
William H. Krueger, Milwaukee, Wis., assignor, by direct and mesne assignments, to Flangelock Patents Corporation, a corporation of Wisconsin
Application March 25, 1941, Serial No. 385,179
16 Claims. (Cl. 25—131)



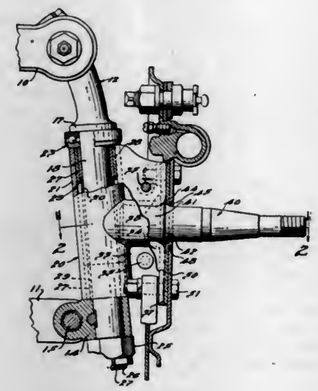
1. A form for use in molding concrete assemblies embodying a plurality of connected sections and form connecting tie members, each of said sections comprising a frame formed on angle-stock and including flanges defining the outer marginal edges of said sections, said flanges having cooperating off-set portions to provide pockets for receiving said form connecting tie members, aligned openings formed through the flanges and said tie member, inclined projections formed about the openings on the outer face of one of the angle members, retaining cups secured about the openings of the other angle member, a lock bolt extending through the openings in the several parts and having projections at one extremity for engaging the inclined projections to lock said tie connection in said pockets, and said projections also engaging within the retaining cup when said bolt is retracted for securing the same to the attached angle member.

2,297,900
PNEUMATIC MOTOR
Roger K. Lee, Highland Park, Mich., assignor to Kenlee Corporation, Detroit, Mich., a corporation of Michigan
Application June 16, 1939, Serial No. 279,400
10 Claims. (Cl. 15—255)



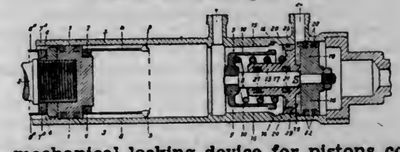
1. In a windshield wiper motor, a pair of bellows arranged end to end and fixed at their outer ends against movement, a movable partition separating the said bellows, means for alternately collapsing and expanding said bellows whereby to reciprocate said partition, a wiper shaft, a crank arm adapted to cooperate with said shaft to oscillate the latter, pitman means connecting said partition to said arm, and means for connecting and disconnecting at will said arm and said shaft.

2,297,901
INDIVIDUAL WHEEL SUSPENSION
John W. Leighton, Port Huron, Mich.
Application August 1, 1940, Serial No. 349,095
17 Claims. (Cl. 280—93)



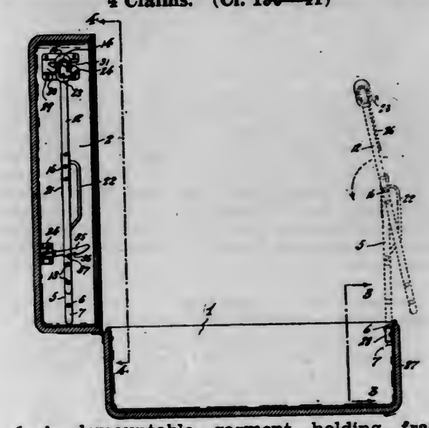
1. In an individual wheel springing for vehicles having an upright kingpin member and means for connecting the upper and lower ends of the member to the vehicle frame, a wheel spindle and a bracket mounting the spindle on the king pin for swinging movement about the axis of the latter, said bracket comprising sheet metal shaped to form a tubular portion receiving the king pin, and having two legs projecting from and integral with said tubular portion and jointly shaped to form a second tubular portion disposed crosswise of the first tubular portion and receiving the inner end of the spindle.

2,297,902
MECHANICAL LOCKING DEVICE FOR PISTONS AND THE LIKE
René Lucien Levý, Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Fribourg, Switzerland
Application April 30, 1941, Serial No. 391,209
In France May 28, 1940
1 Claim. (Cl. 121—40)



A mechanical locking device for pistons comprising in combination, a cylinder, a piston in the cylinder, a resilient sleeve rigidly connected to the piston, claws on the sleeve, means having a guide surface and a disengaging incline rigidly connected to the cylinder, said sleeve and claws slidable within the guide means with the guide surface contracting the claws, a slide, resilient means urging the slide in one direction, and capable of being encountered and pushed back by said sleeve in contracted condition, of first moving back in front of said sleeve until the edge of the claws of the latter reaches the fixed disengaging incline, forming an extension of the guide surface and allowing the sleeve to again resiliently spread out so that the slide under the action of the resilient force which urges it, progresses within the sleeve and applies said claws against the disengaging incline, the backward movement of the piston being thus prevented, means forming a chamber separate from the cylinder chamber in which the piston is located, an auxiliary piston connected to the slide and movable within the separate chamber of said cylinder, means for introducing a fluid under pressure into said separate chamber so as to cause the displacement of the slide in the direction for releasing said sleeve, whereby the piston to be locked is displaced.

2,297,903
GARMENT CARRYING FRAME FOR LUGGAGE CASES
Abraham Levine, Elizabeth, N. J., assignor to Presto Lock Corporation, Garfield, N. J., a corporation of New Jersey
Application October 6, 1939, Serial No. 298,192
4 Claims. (Cl. 190—41)



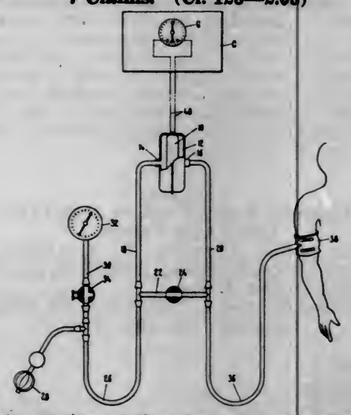
1. A demountable garment holding frame

adapted for optional supported connection with the cover or body of a luggage case for the purposes described comprising, a standard section including laterally spaced uprights, a revolvable garment folding and carrying section including side members pivotally connected to and between the upper free ends of said standard section uprights to normally dispose said carrying section in the plane of said standard section, and cooperative yieldable stop means between said standard section uprights and said carrying section side members adapted to releasably hold said carrying section against rotative displacement from the plane of said standard section.

2,297,904
PROPAGATION
John Frank Lontz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 4, 1940, Serial No. 359,799
12 Claims. (Cl. 47—58)

11. The improvement in propagating plants from cuttings and the like which comprises treating the same with an aqueous solution of a dihydronaphthalene ac dicarboxylic acid.

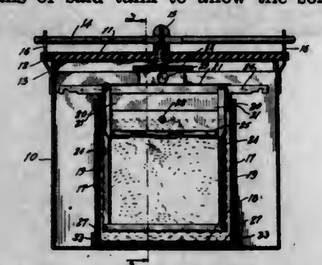
2,297,905
APPARATUS FOR AND METHOD OF REGISTERING OR RECORDING ARTERIAL PULSE WAVES
Aldo Luisada, Cambridge, Mass.
Application September 17, 1940, Serial No. 357,092
7 Claims. (Cl. 128—2.05)



1. Apparatus of the character described comprising a piezo electric microphone, means for applying balanced static fluid pressure to both sides of the piezo electric crystal of said microphone, and arterial pulse-responsive fluid-pressure means connected to one side only of said microphone for transmitting to said one side of said microphone crystal variations in fluid pressure corresponding to pulse pressure variations.

2,297,906
PHOTOGRAPHIC DEVELOPING DEVICE
Charles E. Mace, Denver, Colo.
Application July 6, 1940, Serial No. 344,226
8 Claims. (Cl. 95—90)

1. A photographic developing device comprising: a polygonal, open-topped tank; a frame occupying substantially the entire area of said tank and being vertically slidable therein; a bottom plate in said frame, the two opposite side edges of said bottom plate being set back from the walls of said tank to allow the solution to



flow by the bottom plate as the frame descends in the tank; and means for suspending photographic negatives in said frame so that the negatives will extend laterally of said tank from one cut back edge to the other.

2,297,907
ILLUMINATED CABINET
Nels A. Miller, Chicago, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application March 10, 1941, Serial No. 382,534
7 Claims. (Cl. 240—4)

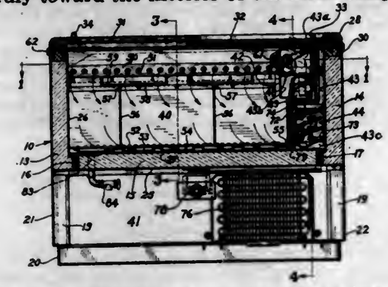


1. In a cabinet, in combination, a wall of multilenticular glass, a transparent cylinder behind said wall, said cylinder being multi-colored in directions transverse to the axis of the cylinder, means for mounting said cylinder for rotation about its axis, motor means for rotating said cylinder, and a plurality of lamps within said cylinder for projecting light through the cylinder and through said wall.

2,297,908
COOLING DEVICE
Roland H. Money, Mount Healthy, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application March 27, 1940, Serial No. 326,244
6 Claims. (Cl. 62—4)

1. In a cooling device, an insulated cabinet divided into a main compartment and an evaporator compartment, an evaporator in the evaporator compartment and means also therewithin for circulating air from one compartment to the other, access means at the top of the main compartment and separate conduits adja-

cent at least two sides of said access means, each of said conduits having apertures opening downwardly toward the interior of the main compart-

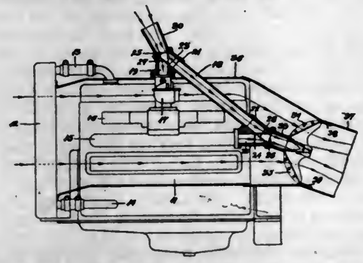


ment for directing the circulating air inwardly and downwardly over articles disposed within such main compartment.

2,297,909
METHOD OF LUBRICATION AND OF TREATING GEARS
George Leonard Neely, Bruce B. Farrington, and Victor N. Borsoff, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 14, 1936, Serial No. 74,394
2 Claims. (Cl. 148—7)

2. A process of improving the load carrying capacity of a machine element having a ferrous metal frictional bearing surface machined to final dimensions and normally subjected to lubrication under extreme pressure conditions ordinarily tending to cause scuffing and scoring of said surface, said process comprising chemically treating prior to use, said ferrous metal frictional surface, by tempering said element and at least partially quenching the same in a treating bath containing an active component of an extreme pressure lubricant to form thereon a lubricating film comprising the reaction product of said ferrous metal and said active component of an extreme pressure lubricant, lubricating said surfaces with a mineral lubricant and subjecting said surface to frictional contact under extreme pressure.

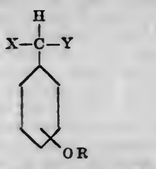
2,297,910
SYSTEM FOR CHARGING AND COOLING INTERNAL COMBUSTION ENGINES
Alfons H. Neuland, Irvington, N. J.
Application February 18, 1941, Serial No. 379,459
6 Claims. (Cl. 230—95)



1. A device, delivering fluid under pressure to a point of fluid pressure utilization by the kinetic energy of a fluid drawn into the inlet of an auxiliary conduit, comprising in combination an induction conduit having an outlet adapted to be connected with said point of fluid pressure utilization and having an inlet joined with the inlet of said auxiliary conduit to form therewith a joint inlet passage for the flow of fluid into the induction and auxiliary conduits, and a stream forming impeller in the joint inlet passage forming a substantially undulating partition extending from the juncture of said conduits providing a series of flatwise adjacent and edgewise expanding suction and pressure ducts communicating edgewise and in alternating relation with the induction and auxiliary conduits respectively and extending edgewise substantially across the interior of the joint inlet passage and distributed flatwise throughout substantially the entire section thereof separating substantially all the inflowing fluid into a series of layer like flatwise alternating suction and pressure streams whereby the alternate layers of fluid drawn into the suction ducts by said source of suction cause the intermediate layers to be impelled into the induction conduit and to develop pressure therein.

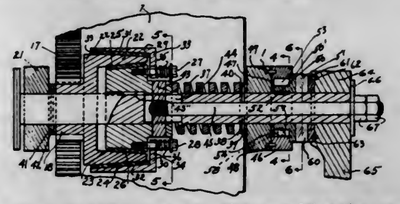
2,297,911
SUBSTITUTED PHENYL MALONIC ACID AND DERIVATIVE THEREOF
Joseph B. Niederl, Brooklyn, N. Y.
No Drawing. Application September 23, 1937, Serial No. 165,331
3 Claims. (Cl. 260—521)

1. As a new compound, a derivative of the general formula



wherein R is an alkyl radical and X and Y are each a radical selected from the group consisting of —COOH, —$CONH_2$ and —$COOR_1$ in which R_1 represents an esterifying radical.

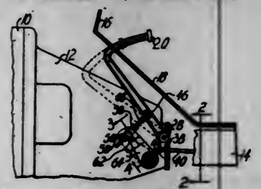
2,297,912
HOISTING APPARATUS
Rudolph Payson, Flushing, N. Y.
Application January 20, 1939, Serial No. 251,899
11 Claims. (Cl. 254—187)



4. In a hoisting winch, the combination comprising a frame, a hoisting drum rotatably mounted on said frame, a gear operatively connected to said drum, a freely rotatable pinion gear in engagement with said first mentioned gear, a mounting for said pinion gear comprising a cored shaft fixed longitudinally relative to said pinion gear and rotatably supported on said frame, means to hold said shaft from backward rotation, a crank mounted on an overhung portion of said shaft, a connection between said crank and said overhung shaft portion transmitting to the latter forward motion of said crank and allowing backward movement of said crank,

releasable means normally holding said pinion in driving connection with said pinion mounting shaft and means mounted in said cored shaft actuated by said crank in its backward motion progressively releasing said releasable means between said pinion gear and said shaft thereby controlling the free rotation of said pinion gear.

2,297,913
FLEXIBLE CONTROL
Ross H. Phelps, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application April 29, 1940, Serial No. 332,302
8 Claims. (Cl. 192—99)



1. In an automobile having clutch mechanism rockably supported on a frame, a clutch operating shaft associated with said clutch mechanism, a supporting member fixed to said frame opposite said clutch operating shaft, a wabble shaft supported between said clutch shaft and said supporting member, means comprising a ball and socket joint having a pin extending between the parts thereof and connecting said clutch operating shaft to said wabble shaft for rotation thereby, means comprising a second ball and socket joint supporting said wobble shaft on said supporting member, insulating material supporting the socket member of said second ball and socket joint, and means mounted on said frame for rotating said wobble shaft.

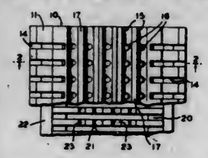
2,297,914
PIE PAN
Myrtle M. Pino, Denver, Colo.
Application July 15, 1941, Serial No. 402,454
4 Claims. (Cl. 53—6)



1. A non-sweating pie pan comprising: a pan-like receptacle having a series of perforations in its bottom; a disc resting in and covering the bottom of said pan, said disc having a similar series of perforations positioned to be brought into alignment with the perforations in the pan by rotation of said disc; and means for rotating said disc in said pan.

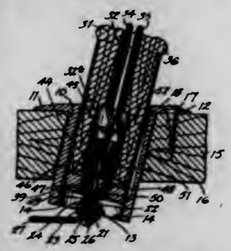
2,297,915
ELECTRIC RAZOR
James Henry Rand, Jr., Stamford, Conn., and Albert Miller Ross, Garden City, N. Y., assignors to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application July 19, 1938, Serial No. 220,098
5 Claims. (Cl. 30—43)

1. A shaver head comprising an outer cutter formed to provide a shaving section, side sections extending from opposite sides thereof and a channel between said side sections and the inner surface of said shaving section, an inner tubular cutter formed to provide a plurality of cutter bars with cutting edges having slidable bearing engagement on the inner surface of said shaving section, each cutter bar extending transversely across substantially the entire inner surface of said shaving section between said side sections, said shaving section having a plurality of spaced ribs extending continuously between opposite edges thereof and projecting outwardly from the



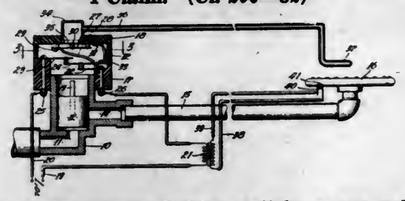
outer face of said shaving section to form a corrugated outer face and a plurality of cutting edges at the inner surface of said shaving section and at the intersection of apertures therein opening through said outer corrugated face, said cutting edges of the outer and inner cutters having shaving cooperation in the reciprocation of said inner cutter and said corrugated outer face causing a plurality of wrinkles in the surface of the skin being shaved to project the bulging portions of the skin toward said cutting edges.

2,297,916
MARINE FLAGPOLE LIGHT AND SOCKET
Peter Sauer, Fairfield, Conn., assignor to The Kilborn-Sauer Company, Fairfield, Conn., a corporation of Connecticut
Original application March 8, 1940, Serial No. 322,918. Divided and this application March 28, 1941, Serial No. 385,646
1 Claim. (Cl. 173—361)



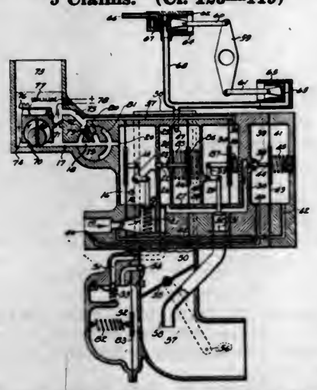
A pole light plug for insertion in a metallic current conducting socket having an insulated current conducting center contact member in its base, comprising a tubular current conducting metallic ferrule member adapted to be secured to a light pole or the like and to be engaged in said socket with its outer surface in contact therewith, a relatively thick current conducting metal disc secured in the lower end of said tube having a central axial passage, a contact unit secured in said passage comprising a current conducting metal shell having its lower end substantially flush with the lower surface of said disc, an insulating sleeve in said shell, a spring pressed inwardly yieldable electrical contact member in said sleeve having a contact end projected downwardly from said shell of substantially smaller diameter than said ferrule member and adapted to contact said center contact of said socket, an electrical conductor wire in electrical connection with said metal sleeve, and an electrical conductor wire in electrical connection with said spring pressed contact member.

2,297,917
AUTOMATIC GAS BURNER LIGHTER
Louis F. Schmidt, Chicago, Ill.
Application May 17, 1939, Serial No. 274,188
1 Claim. (Cl. 200—82)



In a gas burner lighter switch, a gas valve, an insulated igniter switch box mounted on said valve, three spring switch contacts in said box, a gas actuated piston gate in said valve operable to actuate two of said contacts, and thermal expansion means attached to the box, operable to actuate the third contact, the arrangement and structure of the valve and switch box providing a tight compact control unit preventing the gas entering the switch box housing the electrical contacts.

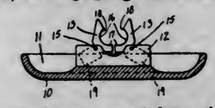
2,297,918
TORQUE CONTROLLED CARBURETOR
Carl F. Schorn, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application April 26, 1941, Serial No. 390,520
5 Claims. (Cl. 123—119)



1. A pressure carburetor for an internal combustion engine, said carburetor having a source of fuel under pressure, an entrance to the carburetor for said fuel under pressure, a venturi therein, means responsive to the flow through said venturi for adding extra fuel at maximum power, a pump which generates pressure in proportion to the square of the R. P. M., a diaphragm responsive on one side to said variable pressure, means for admitting fuel to the other side of the diaphragm to balance the pressure of the pump, a fuel chamber associated with said diaphragm in which the fuel pressure is maintained at said variable pressure, a valve controlling the outlet from said chamber, and engine torque responsive means for opening said valve in proportion to the increase of torque.

2,297,919
HOLDER FOR CIGARETTES OR LIKE ARTICLES
Gilbert L. Scott, Kirklin, Ind.
Application May 2, 1940, Serial No. 332,924
2 Claims. (Cl. 131—235)

1. A clamping device for cigarettes or like articles comprising a support, a pair of complementary clamping jaws pivotally mounted on said support in position to receive such article therebetween when in open position and clamp the same when moved thereby to closed position, each of said jaws being provided with an outwardly extending tail portion adapted to normally overbalance them about their pivotal mountings to open position, an engaging surface associated with



said support to be engaged by said tail portions for limiting the outward and downwardly swinging movement of the jaws to open position, and lower lip portions on said jaws respectively opposed to said tail portions positioned to receive such article thereon, said lip portions when supporting the article being arranged to overbalance said tail portions and thereby swing said jaws to and maintain them in clamping position until released by removal of the article.

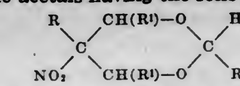
2,297,920
SHAPED BRICK
Julius Schwarzbart, Brunn-Jundrov, Czechoslovakia, assignor of one-half to Heinz Zeisel, Brunn, Czechoslovakia
Application May 10, 1939, Serial No. 272,835
In Czechoslovakia December 10, 1936
6 Claims. (Cl. 72—39)



6. A brick of the character described comprising a head piece, and a web extending from said head piece, the height of said web being about three times the height of said head piece and the width of said web about one-half the width of said head piece, whereas the width of both flange portions of said head piece projecting beyond said web being equal to the width of said web.

2,297,921
CYCLIC ACETALS
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application April 26, 1940, Serial No. 331,769
9 Claims. (Cl. 260—338)

1. Cyclic acetals having the following formula:

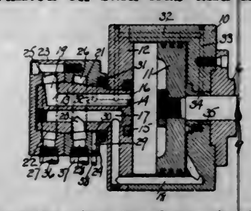


wherein R is a member of the group consisting of hydrogen, alkyl, and alpha-hydroxyalkyl, and R^1 is a member of the group consisting of hydrogen, alkyl, aryl, and furyl.

2,297,922
CHUCK OPERATING MECHANISM
Harry E. Sloan and Harry E. Sloan, Jr., Hartford and George A. Highberg, West Hartford, Conn., assignors to The Cushman Chuck Company, Hartford, Conn., a corporation of Connecticut
Application June 24, 1940, Serial No. 342,080
11 Claims. (Cl. 121—38)

1. In a fluid operated device the combination

of a cylinder with a piston therein and operating means extending from said piston, a hub projecting from the end of the cylinder, said hub and cylinder having passages to supply pressure to the piston on opposite sides thereof, sloping sealing surfaces formed on said hub, a pressure chest mounted on said hub and having sealing



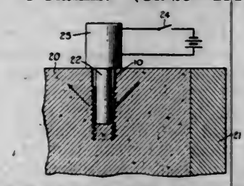
surfaces conforming in shape to those on said hub and also having supply and exhaust ports opening against said sealing surfaces and communicating with said passages, whereby pressure created by resistance of the piston to movement will be extended to said sealing surfaces to pack the joint between said supply and exhaust ports.

2,297,923

METHOD OF POSITIONING MAGNETICALLY RESPONSIVE SLEEVES WITHIN A MASS OF MOLDABLE MATERIAL

William E. S. Strong, New York, N. Y., and Charles E. Parsons, Princeton, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application July 11, 1939, Serial No. 283,724
3 Claims. (Cl. 25—154)



1. The method of securing a screw anchor having an open end and a screw-thread provided internal and external wall within a mass of hard-setting moldable material, comprising inserting an electromagnetic core into said anchor to plug all but the lower portion thereof against the entry of said moldable material, energizing said electromagnetic core to retain said anchor thereon, causing said hard-setting moldable material to flow about the external wall of said anchor and to flow into the said open end of said anchor to engage the screw-threading thereof, de-energizing said electromagnetic core after said moldable material has set, and removing said core therefrom.

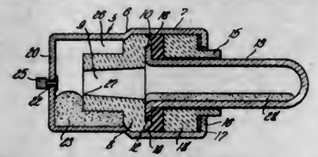
2,297,924

MERCURY SWITCH

Charles W. Trautman, Elkhart, Ind., and Walter E. Schirmer, Buchanan, Mich., assignors to Bucklen-Bear Laboratories, Inc., Elkhart, Ind., a corporation of Indiana

Application May 8, 1940, Serial No. 333,922
9 Claims. (Cl. 200—152)

1. A mercury switch comprising a cup-shaped metallic envelope having a radial shoulder intermediate its ends and an enlarged open end, an insulator axially seated against said shoulder in said enlarged end and having a reduced outwardly directed extension, annular sealing means about said extension, an electrode disc in axial abutment with the radial face of said extension and having a reduced portion projecting outwardly of said envelope, an insulating compression member about said reduced portion and having an annular radial face portion axially overlying said disc and axially engaging said sealing means, said compression member having



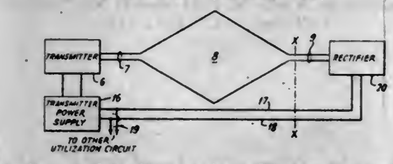
an axially offset radial face portion, resilient sealing means between said offset face portion and the outer face of said electrode disc about said reduced portion, and means at the end of said envelope holding said compression member in position to axially compress both said sealing means.

2,297,925

ANTENNA SYSTEM

George L. Usselman, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 6, 1940, Serial No. 328,248
9 Claims. (Cl. 250—33)



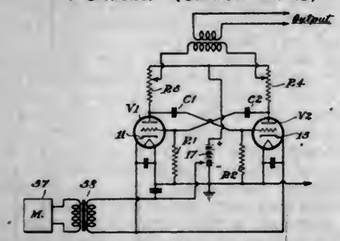
1. In combination, a travelling wave antenna, means for energizing said antenna connected thereto at one end and reflection preventing means connected to the other end of said antenna, said means comprising a rectifier and means for utilizing the output of said rectifier.

2,297,926

FREQUENCY MODULATED TRANSMITTER

George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application October 30, 1940, Serial No. 363,447
9 Claims. (Cl. 179—171.5)



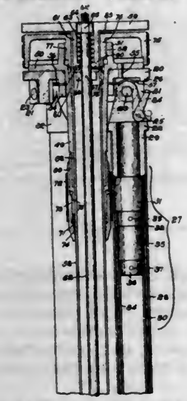
1. In a frequency modulator, a pair of electron discharge devices each having an anode, a cathode, and a grid connected in circuits including capacity and resistance to form a multi-vibrator the frequency of operation of which is controlled by the constants of the circuits, and means for varying the potential on the cathode electrodes of said devices in accordance with signals to vary the frequency of operation thereof in accordance with signals.

2,297,927

TRIPOD, PARTICULARLY APPLICABLE TO PHOTOGRAPHIC CAMERAS

Vernon E. Whitman, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Application January 27, 1941, Serial No. 376,018
11 Claims. (Cl. 248—186)



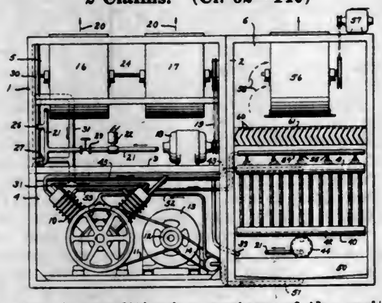
11. A tripod for photographic cameras or the like comprising in combination; a tripod head having a series of legs hinged thereto, said head having an opening extending vertically therethrough, a tubular support member **49** received in said opening, said support member **49** having an upper flange **50** received upon the tripod head and having a boss **51** internally threaded, a support tube **58** slidable in the member **49** and having a top support plate **59** on which the camera or the like is received, said plate **59** having a depending boss **61** provided with a central passage, an article-attaching rod **62** extending through the vertical passage in the support plate **59**, a coiled spring **63** within said boss **61** and confined therein so as normally to project said rod **62** for engagement of the protruding end thereof with the camera or other article, and a clutch member **75** of disk-like form having a depending central part **76** externally threaded and having a clutch formation **78**, the said tube **58** extending through said clutch formation **78** and adjustable to any desired height in said clutch member **75**.

2,297,928

AIR CONDITIONING UNIT

John D. Wilson, Oklahoma City, Okla., assignor to Governair Corporation, Oklahoma City, Okla.

Application May 17, 1940, Serial No. 335,757
2 Claims. (Cl. 62—140)



1. An air conditioning system of the unit type comprising the combination of, a frame, means separating said frame into a compressor section in a lower portion of the frame and at one end thereof, an air conditioning section above said compressor section, and an evaporative condenser section extending vertically adjacent said compressor and said air conditioning sections, refrigerating means in said frame and comprising a motor and a compressor operatively interconnected and mounted within the compressor section, a condensing coil within the evaporative condenser section, a conduit connected to the outlet of the compressor and said coil to conduct the compressed refrigerant to the coil, a tank for coolant liquid below said coil, a pump operatively connected to said motor, a pipe line from said tank to said pump, means including a plurality of spray nozzles for conducting liquid from the exhaust port of the pump and spraying the coolant liquid upon said condensing coil, an exhaust fan within the frame above the coil for circulating air over the coil counter current to the movement of the coolant liquid, an expansion coil in said air conditioning section of the frame, an outlet conduit from said condensing coil to the expansion coil and including a plurality of expansion valves for admitting the compressed refrigerant to the cooling coil, and fan means mounted within said cooling section for circulating air from the exterior of the frame through said cooling coil whereby such circulated air is conditioned.

2,297,929

INCREASING THE INK RECEPTIVITY OF METALLIC SURFACES

Leonard George Wise, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 13, 1939, Serial No. 273,577
17 Claims. (Cl. 41—41.5)

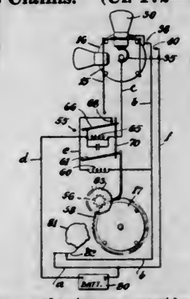
1. The process for increasing the oleaginous ink receptivity of selected areas of a metal lithographic plate which receive and retain the lithographic ink which comprises treating said areas with a composition of which the non-volatile portion is essentially completely a long chain aliphatic salt-forming compound.

2,297,930

VIBRATORY ARMATURE ELECTRO-MAGNETIC MOTOR

Charles F. Wallace, Westfield, and John R. MacKay, West Caldwell, N. J., assignors to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey

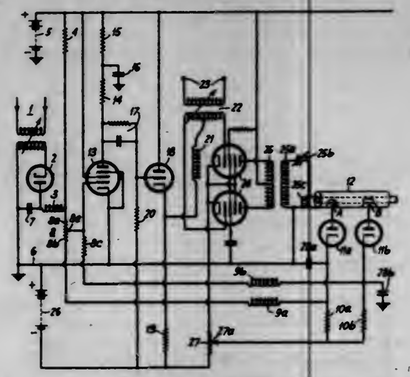
Original application October 6, 1936, Serial No. 104,182. Divided and this application June 27, 1939, Serial No. 281,356
5 Claims. (Cl. 172—126)



1. A vibratory electromagnetic motor, compris-

ing in combination a driving magnet and armature, a quick-acting control magnet and armature, and a current-interrupting switch operated by the control magnet armature to prevent operation of the motor when the control magnet is energized and operated by the driving magnet armature to maintain the motor in operation when the control magnet is not energized.

2,297,931
MODULATED HIGH FREQUENCY TRANSMITTER
Eric Lawrence Casling White, Hillingdon, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application March 16, 1940, Serial No. 324,315
In Great Britain March 16, 1939
3 Claims. (Cl. 250—17)



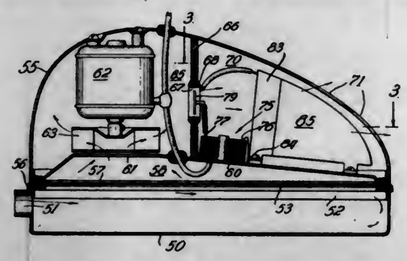
1. A modulated carrier wave transmitting system having a modulating stage, output and input circuits for said stage, a coaxial cable coupled at one end to said output circuit, a feedback circuit connected between said coaxial cable and said input circuit, said feed-back circuit having two parallel paths and a rectifier in each path, the connection of said paths to said coaxial cable being at points separated by a distance corresponding to a quarter of a wave length of the carrier wave of the signal in said coaxial cable, and means for so applying feedback energies through said parallel paths to said input circuit that compensation is provided for non-linear distortion arising elsewhere in said system.

2,297,932
PRINTING PLATE PREPARATION
William H. Wood, Bedford, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application August 31, 1940, Serial No. 355,024
8 Claims. (Cl. 95—7)

1. As a light-sensitized material for photographic and printing purposes an aqueous solution of arabogalactan and a light-sensitizing agent capable of acting thereon.

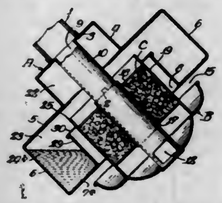
2,297,933
SUCTION CLEANER
Edward H. Yonkers, Jr., Glencoe, Ill.
Application April 22, 1940, Serial No. 360,914
3 Claims. (Cl. 183—7)

1. In combination, a suction cleaner having an air permeable filter through which air and some dust passes, a chamber through which the filtered air passes on the way to atmosphere, a pair of electrodes in the air path to said chamber, one electrode having a smooth surface and the other electrode having sharp pointed edges, an air condenser having plates in said chamber disposed



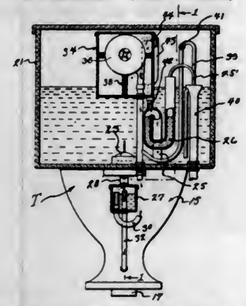
in the path of air flow, a connection from one condenser terminal to said smooth electrode and means for impressing high potential alternating currents on said other condenser terminal and said sharp electrodes, said potentials being high enough so that a point to plate rectifying discharge occurs.

2,297,934
AIR CLEANER
Robert William Baily, Narberth, Pa.
Application November 12, 1940, Serial No. 365,310
1 Claim. (Cl. 183—15)



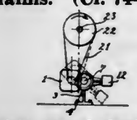
In cleaner apparatus of the kind described, for removing entrained particles from a gas, a duct for conveying the gas, a first container operatively associated with said duct, adapted to hold a viscous fluid, a second container operatively associated with said duct, filtering material in said second container, said second container being arranged in the first container to provide a passageway for gas below said filtering material, the lower end of said second container when in normal operating position being positioned to be partially immersed in the fluid in the first container, said apparatus having a passageway for gas at the upper portion of said second container communicating with said duct above the normal surface of said fluid, said duct being otherwise closed against admission of gas, said first container being so arranged that gas entering said duct through said second container initially enters said first container and passes through said fluid, thence through said second container to said duct, said first container having a conserving chamber formed with a top and an inner downturned wall of such extent that when the apparatus assumes any position other than normal, said chamber receives and conserves said fluid, and when said apparatus is restored to normal position, said fluid returns to its original position partially immersing said lower end of said second container.

2,297,935
VENTILATED TOILET
Harry Baither, Milwaukee, Wis.
Application February 3, 1941, Serial No. 377,180
9 Claims. (Cl. 4—213)



1. A ventilated toilet comprising, a bowl having a water basin therein and a drainpipe below the basin and communicating therewith, means for creating a suction in said bowl above the water basin including an electric motor and a fan, a protecting housing for the motor and fan entirely enclosing the same and constituting a foul odor receiving chamber, means connecting the interior of the housing with the bowl, the inlet of the fan communicating with the interior of said housing, a reservoir and trap chamber arranged above the drainpipe and the bottom of the bowl, means connecting the outlet of the fan with said reservoir and trap chamber above the normal water level therein, and means connecting the drain of the toilet with the water reservoir and trap chamber above the normal water level therein.

2,297,936
VARIABLE SPEED DRIVE
Edwin C. Ballman, St. Louis, Mo.
Application January 2, 1940, Serial No. 312,087
6 Claims. (Cl. 74—230.17)



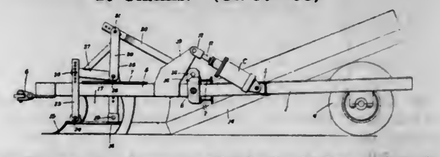
1. In a variable-speed device of the character described, a motor having a shaft, a variable-diameter V-pulley having mutually adjustable side flanges mounted on said shaft so as to be movable relatively to each other, a support fixed relatively to the center-line of the belt, and lever means pivoted at a fixed point of said support and operable to move said flanges relatively in order to vary the effective diameter of said pulley while maintaining the belt alignment.

2,297,937
SMOKER'S PIPE
John Berardo, Chicago, Ill.
Application August 25, 1941, Serial No. 408,138
4 Claims. (Cl. 131—211)



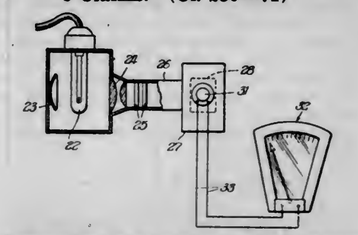
3. A pipe embodying a bowl, a stem, and a mouthpiece having a chamber, a tubular member within the stem separably connected to and communicating with the bowl, the external diameter of the tubular member being substantially less than the internal diameter of the stem, said tubular member being of a substantial length and extending into a chamber in the mouthpiece, a tubular extension on the mouthpiece telescoping with the said tubular member and extending into the stem and terminating adjacent but spaced from the bowl, said extension being disposed between the wall of the stem and the said tubular member and spaced from both of them, a portion of the said tubular extension of the mouthpiece forming a closure for the space in the stem, and which space encompasses another portion of the extension to provide a moisture trap closed at both ends, and with which trap the mouthpiece has communication only through that end of the said extension thereof which is adjacent the bowl, said mouthpiece and the extension thereof being detachably connected to the stem.

2,297,938
LISTER MOUNTING FOR DITCH CLEANERS
Ernest V. Briscoe, Kerman, Calif.
Application June 16, 1941, Serial No. 398,284
10 Claims. (Cl. 37—98)



1. In an implement which includes a longitudinally sectional frame supported for movement above and along the ground, said frame being arranged for power actuated upward articulation from a normal position; a lister disposed beneath one section and normally in a predetermined working position, a pair of longitudinally spaced arms depending from said one section, means pivoting said arms at the lower end on the lister, and means functioning with upward articulation of the frame to move one of said arms vertically relative to the other whereby to raise the point of the lister relative to said one section.

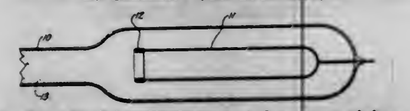
2,297,939
METHOD OF DETECTING THE PENETRATION OF AN OIL-BEARING HORIZON
John G. Campbell, Houston, Tex., assignor to Ralph H. Fash, trustee, Fort Worth, Tex.
Application October 9, 1940, Serial No. 360,405
3 Claims. (Cl. 250—71)



1. The method of exploring for oil, which consists in obtaining a sample of the drilling fluid entering a well and another sample of approximately the same drilling fluid leaving the well, evaporating separately portions of both samples to dryness to obtain in each case a substantially dry solid residue, extracting the oil from the solid residues, respectively, by means of a solvent, comparing the fluorescence of each extract thus ob-

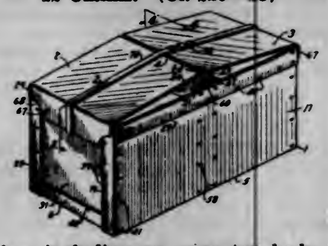
tained under ultra-violet light with standard solutions wherein the oil concentration is known, said comparison being based on the premise that the oil concentration of an extract will approximate the oil concentration of a particular standard solution having substantially the same fluorescence, expressing the results as parts per million of oil of the respective solid residues, comparing the data thus obtained and noting any material increase in the oil content of the solid residue of the drilling fluid leaving the well in contrast to the oil content of the solid residue of the fluid entering the well, to thereby detect the penetration of an oil-bearing horizon.

2,297,940
ELECTRIC DISCHARGE LAMP
André Claude, Paris, France, assignor to Societe Anonyme pour les Applications de l'Electricite et des Gaz Rares-Etablissements Claude-Paz et Silva, Paris, France
Application June 4, 1940, Serial No. 338,767
In France June 15, 1939
10 Claims. (Cl. 176—122)



4. An electric discharge tube comprising an envelope containing a gaseous atmosphere consisting of argon at low pressure and a layer on the inner surface of said envelope of luminescent material containing less than .001 per cent alkaline metals.

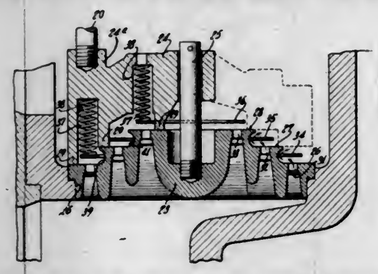
2,297,941
BOX
James F. Cleary, Kansas City, Kans.
Application February 17, 1939, Serial No. 256,897
12 Claims. (Cl. 229—43)



1. A box including an open top body having oppositely arranged walls provided with downwardly opening pockets, closure members having hook-like flanges engageable in said pockets, fastening straps having ends extending over the hook-like flanges and engageable in said pockets and having their opposite ends extending over said closure members, and means connecting said fastening straps.

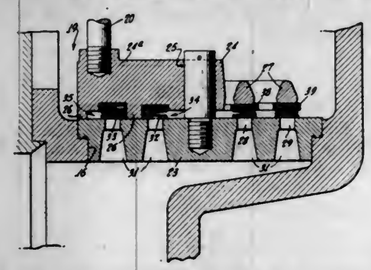
2,297,942
STEP VALVE FOR COMPRESSORS
Lester L. Collins, Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application March 28, 1941, Serial No. 385,630
3 Claims. (Cl. 277—59)

1. A valve assembly, comprising a valve seat having a stepped formation defining a series of shelves, a ported area formed in each of said shelves and extending longitudinally through the valve seat to permit the passage of fluid therethrough, and a plurality of radially extending ribs formed integrally with the valve seat and each extending at right angles to the longitudinal axis of said valve seat and intersecting said ported areas beneath the surface of said shelves,



each of said ribs having a stepped construction conforming to the shape of the valve seat and a base of relatively wide diameter from which it tapers in the direction of air flow to a relatively narrow edge positioned immediately within the shelved portions.

2,297,943
AIR-CUSHIONED VALVE FOR COMPRESSORS
Lester L. Collins, Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application March 28, 1941, Serial No. 385,631
6 Claims. (Cl. 277—60)

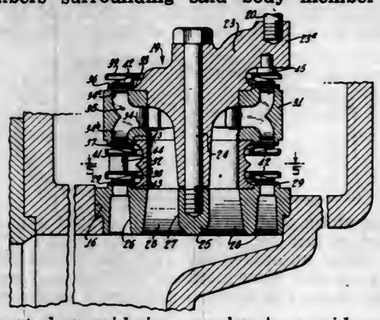


1. A valve assembly, comprising a ported valve seat, a valve movable to open and closed positions relative to a ported area of said valve seat, a spring assembly composed of a plurality of annular bowed springs for urging said valve toward closed position, and a combination guide and buffer plate for said valve provided with a cushioning chamber serving as a mounting for said spring assembly and with projecting tongues engaging said valve seat at points adjacent one edge of said valve.

2,297,944
COMPRESSOR AIR VALVE
Lester L. Collins, Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application March 28, 1941, Serial No. 385,632
13 Claims. (Cl. 277—60)

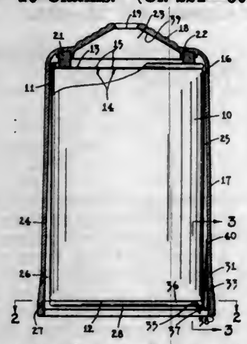
12. A valve assembly, comprising a body member, a removable ring member encircling said body member and supported thereby, a T-shaped conduit in said ring member providing aligned valve ports at the ends of the cross of the T on opposite sides of said ring member, annular

valves for the ports, and removable annular members surrounding said body member and



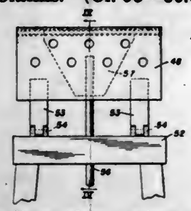
supported on said ring member to provide guides for the valves.

2,297,945
DISPENSER
Richard T. Cornelius, Minneapolis, Minn.
Application May 13, 1940, Serial No. 334,832
10 Claims. (Cl. 221—60)



8. A dispenser for powder contained in a can having a perforate top, said dispenser comprising a shell having a dispensing top and a tubular wall structure open at the lower end and adapted to receive the can, said wall structure having an annular groove formed therein at the lowermost portion thereof, a split ring of resilient material urged through its resiliency to become seated in said groove, and latching means carried by said ring for engagement with the can to hold the can within the shell.

2,297,946
CARTON LINER FOR MOLDED EDIBLES AND METHOD OF FOLDING
Charles Doering, Chicago, Ill., assignor of one-half to Henry H. Doering, Chicago, Ill.
Application October 23, 1939, Serial No. 300,702
10 Claims. (Cl. 93—36.01)



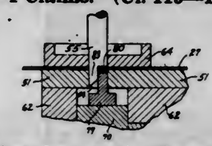
1. A carton liner for rectangular packages comprising a rectangular sheet of material folded upon itself to provide a creased bottom line and joined by sealing at its side edges to define an open envelope having unsealed top adjacent edges, there being aligned cut-outs in the flat double folded sheet communicating with said top adjacent edges to provide top flaps for the open side of said envelope when creased to define a carton liner.

2,297,947
CARTRIDGE FOR AIR GUNS
Everett Leslie Dreyer, Chicago, Ill., assignor to A. B. T. Manufacturing Corp., Chicago, Ill., a corporation of Illinois
Application December 28, 1940, Serial No. 372,054
3 Claims. (Cl. 124—45)



1. A cartridge for pellets or shots of an air gun and adapted to be inserted into the magazine of said air gun, said cartridge comprising a tubular-like member having one end portion crimped inwardly to form a yieldable annular obstruction for the pellets, and a cap formed integrally on the opposite end portion and having an end crimped inwardly to provide an annular abutment for pellets arranged in the tubular-like member, said cap forming a magazine engaging shoulder for limiting inward movement of said cartridge with respect to said magazine.

2,297,948
APPARATUS FOR MAKING SECTIONAL BLANKS
Charles B. Eisenhauer, Detroit, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Original application April 18, 1938, Serial No. 202,625. Divided and this application March 28, 1940, Serial No. 326,349
4 Claims. (Cl. 113—1)

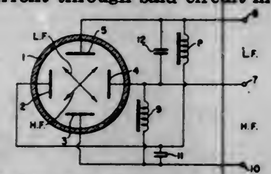


1. Apparatus for use in the manufacture of spring casings comprising means for intermittently feeding a plurality of separate continuous strips of relatively great lengths in proportion to their widths in a longitudinal direction with the adjacent edges of adjacent strips disposed in overlapping relationship, and die mechanisms spaced apart from each other in the direction of travel of said strips and operable in timed relation to the cessation of feeding thereof for punching tabs therethrough and bending the same into interlocking relationship at locations spaced longitudinally along the overlapping edges of each of said strips, the operative portions of the dies being so located as to provide two secured tab assemblies in each strip overlap for each spring-casing-blank area.

2,297,949
DEFLECTING SYSTEM
Philo T. Farnsworth, Fryeburg, Maine, assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application May 22, 1941, Serial No. 394,659
8 Claims. (Cl. 250—27)

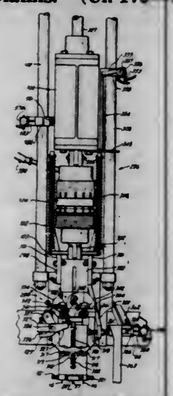
1. A system for deflecting a beam of electrons

comprising a plurality of deflecting electrodes, an input providing two pairs of input terminals, circuit means connecting said input terminals with said electrodes, and means for so controlling the flow of current through said circuit means as to



effect deflection of said beam by all of said electrodes in one direction in response to a signal applied to one pair of said input terminals and deflection of said beam by all of said electrodes in another direction in response to a signal applied to the other pair of said input terminals.

2,297,950
FILAMENT MOUNTING MACHINE
John Flaws, Jr., East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application July 24, 1940, Serial No. 347,242
27 Claims. (Cl. 176—4)



1. Apparatus for making filament mounts for electric incandescent lamps and similar devices comprising a head for holding a portion of the device, a movable carrier for the head, indexing apparatus for advancing the carrier to position the head at each of a plurality of stations in turn, means located at one of said stations for performing one of the mount making operations on the portion of the device held by the head, hydraulic operating means for actuating said first-mentioned means, and means for controlling the hydraulic operating means.

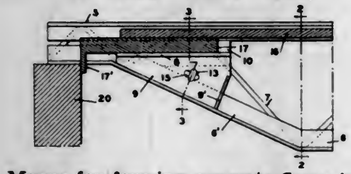
2,297,951
DEICING DEVICE
Nathan Frank, Newark, N. J., assignor of twenty-four and one-half per cent to Louis J. Goldberg, Orange, and twenty-four and one-half per cent to Walter G. Winne, Hackensack, N. J.
Application August 31, 1939, Serial No. 292,832
6 Claims. (Cl. 244—134)

1. In an airplane, the combination with a wing thereof of a resilient means covering a portion of said wing, means for distorting said covering and adapted to be moved along the surface of that portion of said wing covered by said resilient means and between said surface and said resilient means to distort said resilient means and break ice which may have formed thereon and an arm pivoted on a fixed axis for actuating said second



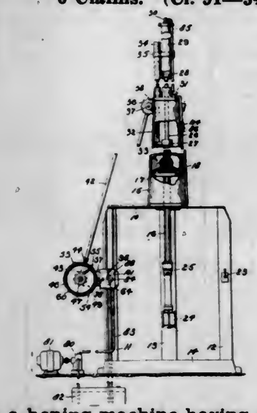
means along said surface, said pivoted arm connected to said second means, the length of said arm being automatically variable in the course of its arcuate movement in moving said second means along the covered surface of said wing.

2,297,952
SUPPORTING MEANS FOR FORMING CONCRETE FLOORS
Bengt F. Friberg, St. Louis, Mo., assignor to Laclede Steel Company, St. Louis, Mo., a corporation of Missouri
Application March 14, 1940, Serial No. 323,862
12 Claims. (Cl. 25—131.5)



1. Means for forming concrete floors in structures including joists anchored at their ends, said means comprising spaced apart supports carried by said joists a short distance from their ends, said supports being detachable from the joists without disturbing the anchorage of the latter, and cleats carried on the supports to provide adjustable forms at the ends of the joists.

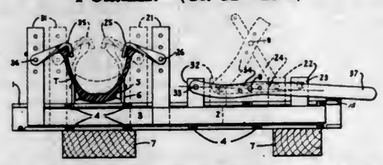
2,297,953
HONING MACHINE
Charles A. Fulmer, Fort Thomas, Ky.
Application February 25, 1941, Serial No. 380,513
6 Claims. (Cl. 51—34)



1. In a honing machine having a rotating and reciprocating spindle connected at its lower end to an axially disposed tool and rotatable at its upper end in a coupling connecting it to an

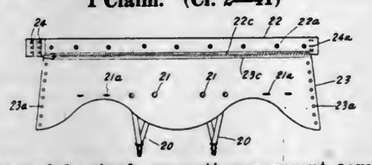
hydraulic means, the combination of a valve means for controlling the hydraulic means, an oscillating disk mounted adjacent the valve means, stops on the disk for directly engaging the valve means, a rack fastened to the coupling, a pinion meshed with the rack, an elongated drive shaft, a geared connection between the pinion and the shaft, and a geared connection between the lower end of the shaft and the oscillating disk.

2,297,954
TIRE CASING SPREADER
Thomas Gorzelancyk, near Sumner, Wash.
Application April 6, 1940, Serial No. 328,358
4 Claims. (Cl. 81—15.3)



4. A tire spreader comprising a support formed to rest upon the floor, and as a guide, for disposition transversely beneath the tread of a tire, a first slide bar freely slidable in said guide, an arm upstanding from one end of said slide bar, an abutment upstanding from its other end, a second slide bar likewise freely slidable in said guide alongside the first bar, and having an arm and an abutment upstanding from its ends in correspondence with those of the first bar, the arm of the second bar being disposed intermediate the arm and the abutment of the first bar, and the abutment of the second bar being disposed outside the abutment of the first bar, a hook on each arm, directed towards each other for engagement within the two arms, and two toggle links pivoted, respectively, on the two abutments, and to each other, a handle forming an extension of one of said toggle links, and directed away from the tire, to swing said toggle links into and past alignment, thereby to separate the abutments and hence to spread farther apart the arms, hooks, and the tire beads engaged by the hooks, and a stop carried by the support and positioned for engagement by the handle after the latter has swung somewhat past alignment, to prevent its further swinging, and to retain parts in their spread-apart positions in opposition to the inward pull of the tire itself.

2,297,955
COMBINATION BELT
Frances Doris Greene, Brooklyn, N. Y.
Application November 4, 1939, Serial No. 302,832
1 Claim. (Cl. 2—41)



In an abdominal supporting garment comprising an upper belt section, said upper belt section being detachably secured at the lower edge thereof to the upper edge of said supporting garment, said upper belt section carrying a series of fasteners intermediate the edges thereof, a tape strip having fasteners fixed thereon cooperating with said first mentioned fasteners, said tape strip adapted to be secured to an overlying garment of the wearer, said tape strip being substantially coextensive with said upper belt section, and the lower portion of said abdominal supporting garment adjustably conformable to the body lines of the figure of the wearer aforesaid.

2,297,956
SINGLE DUCT, HYDROPNEUMATIC, WELL-TOOL ACTUATOR
Jesse E. Hall, Long Beach, Calif., assignor, by direct and mesne assignments, to Pacific Pump Works, Huntington Park, Calif., a corporation of California
Application November 28, 1938, Serial No. 242,750
3 Claims. (Cl. 255—4)

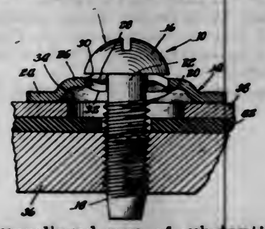


1. In a jar, a well string, a control communicating with the well string for alternately inaugurating supply of pressure fluid to and relief of pressure in the well string responsive to respective relief and exertion of pressure in the well string, an anvil fixed in the well string remote from the control, a hammer adapted for reciprocation through the anvil for striking the anvil at respective terminal shifting of the hammer in opposite directions, the hammer having a bore communicating at its respective ends with the well string, an actuator adapted for reciprocation in the well string, an operating connection for shifting the hammer by and in the same direction as the reciprocating actuator, the operating connection including spring tensional lost-motion means adapted for respective cushioning yielding when the hammer strikes the anvil at respective terminal shifting of the anvil in opposite directions, the actuator being adapted for shifting in one direction in the well string responsive to pressure in the well string, said shifting of the actuator being in direction away from the control, and means associated with the actuator for compressing an elastic fluid and storing energy responsive to said shifting of the actuator, the actuator being adapted for shifting in the opposite direction upon relief of pressure in the well string and responsive to said stored energy.

2,297,957
FASTENER DEVICE
Walter M. Hanneman, Oak Park, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application July 8, 1940, Serial No. 344,360
2 Claims. (Cl. 151—35)

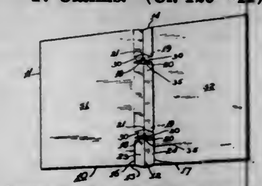
1. A locking device for headed screws, said

device being comprised of resilient sheet stock and including integral inner, outer and intermediate annularly disposed sections with a central screw accommodating aperture, the inner and outer sections being parallel and in spaced planes normal to the axis of the aperture, the inner section having at its inner margin a plurality of radially extending, resilient locking teeth sprung out of the plane of said section for lockingly engaging the under side of the companion screw head, said outer section being formed of an annulus relatively broad in a radial direction and



having an unrelieved area of substantial arcuate extent to form a broad washer base opposing axial compression and radial expansion of the washer as an inserted screw is tightened into a work piece, said intermediate section being formed by an annularly continuous, relatively shallow dome, the wall of which in axial cross section includes reversely curved end portions joined to form a side wall of the dome of such angularity to the planes of the inner and outer sections as to cause the locking teeth to lockingly engage the screw head before the washer yields to compression.

2,297,958
LOOSE-LEAF CONSTRUCTION
Victor Havel, Chicago, Ill., assignor, by direct and mesne assignments, to L. L. Paper Products Inc., Chicago, Ill., a corporation of Illinois
Application March 16, 1942, Serial No. 434,973
17 Claims. (Cl. 129—41)

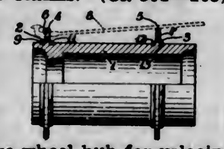


17. A loose-leaf construction comprising a sheet having at least one score extending from one edge of said sheet to the opposite edge, said sheet bent inwardly on at least one score provided to form front and back portions, said sheet having at least one pair of spaced cuts extending across each score provided to form a strap, each strap having thereacross a score, each strap bent outwardly on said score so that it extends diagonally upwardly in open position for the reception, withdrawal and turning thereon of sheets.

2,297,959
CASEIN SHEET MATERIAL
Herman Heckel, Akron, Ohio, assignor to Marbon Corporation, Gary, Ind., a corporation of Delaware
No Drawing. Application March 16, 1938, Serial No. 196,156
1 Claim. (Cl. 106—144)

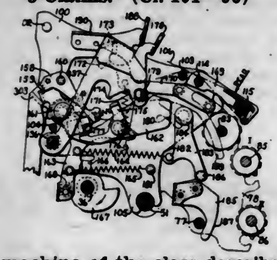
The method of making self-sustaining films composed mainly of casein which are suitable for wrapping and like purposes, and characterized by brilliance or sheen, high strength and resistance to low humidities which comprises emulsifying a molten resin in an aqueous alkali solution of casein to form an aqueous dispersion of resin and caseinate which will not settle out, coating a base with said solution in conjunction with a suitable plasticizer and setting agent, the casein being present in major amount compared with the resin, drying the coating, and stripping the coating from the base.

2,297,960
WHEEL HUB FOR VELOCIPEDES
E. Elliott Hood, Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 4, 1939, Serial No. 302,912
3 Claims. (Cl. 301—105)



1. In a wire wheel hub for velocipedes and the like, a substantially cylindrical hub body having bearing members at its ends, seats of noncircular cross section formed on said body adjacent its ends, removable spoke flanges slidable freely on said seats and conforming thereto, and removable abutment means for preventing longitudinal movement of the flanges from said seats, the minimum diameter of the seats being greater than the outside diameter of the remainder of the hub, so that removal of the abutment means permits the hub to be slid longitudinally through the spoke flanges while they are laced in the wheel.

2,297,961
CASH REGISTER
Daniel K. Hughes, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application August 25, 1938, Serial No. 226,690
5 Claims. (Cl. 101—96)

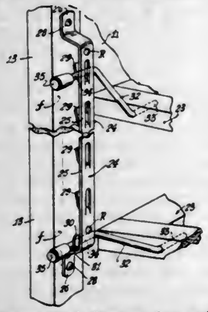


1. In a machine of the class described, having a plurality of groups of printing wheels, the combination of impression means including a platen normally opposite a certain one of said groups of printing wheels but movable to a position opposite another one of said groups of printing wheels; a printing hammer for operating said platen; a spring normally operable to actuate said hammer to operate the platen with a predetermined force to take an impression from the wheels which may be opposite the platen; means for moving the platen opposite said other group of wheels; and means operated by said moving means to apply an additional tension to said spring to cause the platen to be actuated with greater force in its moved position than in its normal position.

2,297,962
CANNING METHOD
Lloyd B. Jensen and Levi Scott Paddock, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 31, 1938, Serial No. 248,904
1 Claim. (Cl. 99—187)

The method of treating canned meat which comprises heating the canned meat to a temperature between 60 degrees C. and 100 degrees C. for a period of from one-half hour to three hours, cooling the meat to a temperature of about 37 degrees C. and maintaining the meat at such temperature for a period of from fifteen hours to twenty-four hours, and thereafter heating the meat to a temperature between 60 degrees C. and 100 degrees C. for a period of one-half hour to three hours.

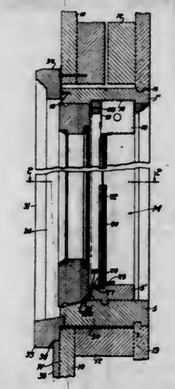
2,297,963
AUTOMATIC TAKE-UP DEVICE
Samuel Kroll and Nathan J. Kroll, Chicago, Ill.
Application February 26, 1942, Serial No. 432,408
4 Claims. (Cl. 5—11)



1. In an automatic take-up for crib spring supporting means at the four corner posts of the crib and arranged to suspend a spring frame in said crib at various positions of adjustment with respect to the horizontal, a hanger lever mounted for pivotal movement at the four corners of the spring frame, a lateral extension on said lever and providing a hand hold, a supporting bracket arranged on each of the four corner posts, said bracket including a body portion bent near its ends to provide spacers for positioning the body portion away from the inner face of the corner posts, said lateral extensions disposed in the space provided by said post and body portion and adapted to provide a seat for said lateral extension, and a lug struck up from the lowermost spacer and coacting with the inner face of said corner post to provide a stirrup adapted to receive said lateral extension and adapted when the latter is disposed therein to adjust said hanger lever in a horizontal plane to eliminate swinging action thereof.

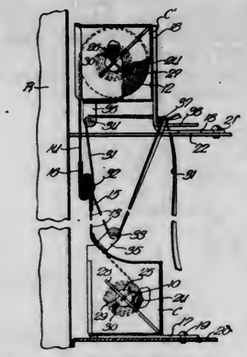
2,297,964
CASEMENT WINDOW
Peter H. Kuyper, Pella, Iowa, assignor to Rolscreen Company, Pella, Iowa, a corporation of Iowa
Application January 30, 1940, Serial No. 316,394
2 Claims. (Cl. 156—39)

1. In a casement window, a window frame comprising a head jamb, side jambs and a sill, said jambs being of the same cross section and provided with relatively wide grooves, relatively wide side stops substantially filling the grooves of said side jambs, a roll-screen casing and a relatively narrow head stop which together are



the same width as one of said side jambs to substantially fill the groove of said head jamb, said side stops having closed bottom grooves on their inner faces to receive roll-screen edge guides, and roll-screen edge guides therein and aligned thereby with a screen from said roll-screen casing.

2,297,965
RADIATOR COVER
Peter H. Kuyper, Pella, Iowa, assignor to Rolscreen Company, Pella, Iowa, a corporation of Iowa
Application February 26, 1940, Serial No. 320,925
2 Claims. (Cl. 156—10)



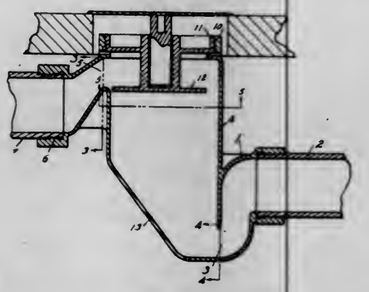
2. Means for mounting a pair of flexible sheets comprising a hooked binder bar along one end of each of said sheets, said binder bars being detachably hooked together, a casing for each of said sheets, the casing for one of said sheets being supported adjacent one side of an opening to be variably covered by said sheets and the casing for the other of said sheets supported adjacent the opposite side of said opening, a roller in each of said casings, said sheets being wound on said rollers, said rollers being spring actuated in opposed directions to retain said sheets taut between them and to retain said binder bars normally hooked together, and means for raising and lowering said binder bars.

2,297,966
INSERTABLE JOINT
Henry J. Luff, Cleveland, Ohio, assignor to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application June 13, 1940, Serial No. 340,311
4 Claims. (Cl. 285—116)



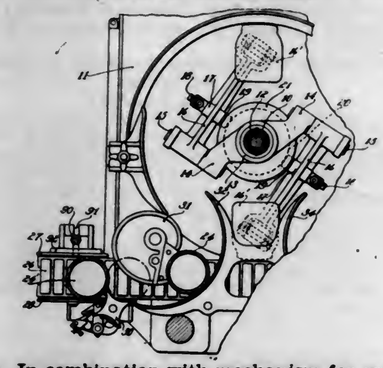
1. An insert fitting for a pipe line, comprising a cylindrical pipe having threads at both ends thereof; hubs disposed centrally of said pipe, adapted to move longitudinally and outwardly thereon to engage the spigot ends of adjacent pipe lines, said hubs having an inner threaded portion for engagement with the threaded portion of said pipe when said hubs are in engagement with the spigot ends of adjacent pipe lines.

2,297,967
BAFFLED RESEALING TRAP FOR PLUMBING FIXTURES
Henry J. Luff, Cleveland, Ohio, assignor to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application September 22, 1941, Serial No. 411,882
5 Claims. (Cl. 182—7)



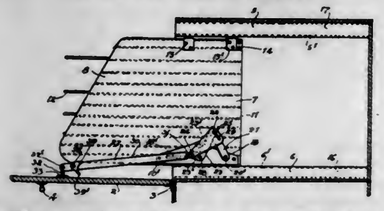
1. A resealing trap for the discharge line of plumbing fixtures comprising a tapered cylindrical body portion having a flattened inlet opening in the base thereof opposite to said tapered portion and a flattened outlet opening in the upper portion thereof and a cleanout opening, and a cleanout plug disposed in said cleanout opening having a depending flange with the outer side thereof spaced from the inner side of said body and in substantially the same horizontal plane as the bottom portion of said outlet.

2,297,968
TIMING DEVICE FOR CONVEYERS
Norman W. Lyon, Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application October 12, 1940, Serial No. 360,896
7 Claims. (Cl. 198—22)



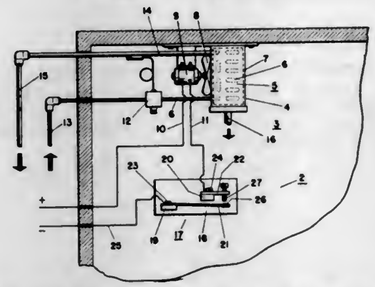
1. In combination with mechanism for operating on containers, a conveyer to feed containers to said mechanism, means for releasing said containers singly, each in timed relation to a cyclic operation of said mechanism for delivery by the conveyer to said mechanism, said means comprising a stop member for said containers as fed by said conveyer and having a stopping position blocking movement of containers by said conveyer and normally movable out of said stopping position by movement of containers along the conveyer, means movable into engagement with the stopping member and tending to normally hold said stop member in its stopping position, a releasing member having a periodic movement in and out of a connectible position with respect to said holding member, and means for connecting said releasing member to said holding member for releasing the latter from engagement with the stop member, the action of said connecting means being determined by the engagement of a container with said stop member.

2,297,969
BAKING OVEN
Gilbert R. W. Matheson, Winnipeg, Manitoba, Canada
Application August 26, 1939, Serial No. 292,092
3 Claims. (Cl. 126—340)



1. The combination with an oven and the closure door thereof, of a tray carrier insertible as a unit within the oven and slidably carried by the sides of the oven, a pair of operating arms having their forward ends each pivotally attached to the door at selected locations and their rear ends extending into the oven to the outer sides of the tray carrier, and terminating in inclined upturned spaced forks, a pivoted bell crank operating between the forks of each arm and having the pivot point thereof slidable in a receiving slot provided in the adjacent side of the carrier, a pivot pin connecting one arm of each bell crank to the adjacent operating arm, a pin carried by the other arm of each bell crank and slidable in slots provided in the arm forks, said slots being concentric to the former pins, and a link pivotally connected to each side of the carrier and pivotally connected, between the forks to the pin operating in the fork slots.

2,297,970
FORCED AIR CIRCULATION REFRIGERATION SYSTEM
Catherine A. L. Merz, Chicago, Ill., assignor to Flow Controls, Inc., Chicago, Ill.
Application May 27, 1940, Serial No. 337,412
1 Claim. (Cl. 62—176)



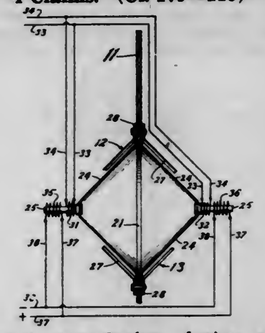
The method of operating an electric motor serving to drive fan means for the continuous circulation of air over the exterior surfaces of a cooling unit and thereby cooling such air, which comprises periodically and successively energizing and de-energizing said motor for comparatively short periods of time.

2,297,971
COIN SELECTOR
Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application October 1, 1937, Serial No. 166,767
6 Claims. (Cl. 194—100)



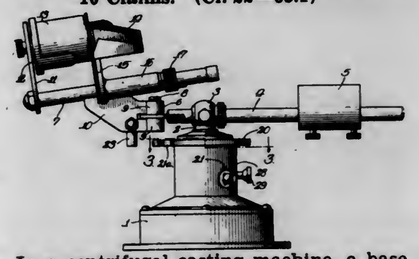
1. In a coin selector having a coin passage, means to deliver coins in a series of diverging trajectories varying in accordance with the characteristics of the coin delivered, and a resilient pin traversing the coin passage in a position to be contacted on its far side by a coin following a long trajectory and to allow such coin to pass its far side to reach one extreme discharge position; to be contacted relatively squarely by a coin following an intermediate trajectory, and to throw such coin back to an extreme discharge position on its near side, and to be contacted glancingly on its near side by a coin following a short trajectory and to allow such coin to pass to a discharge position intermediate said extreme positions, the point of contact of the coins with said pin being substantially spaced from the point of anchorage of the pin whereby to obtain a yielding of the pin under the momentum of the coins and a rebound effect of the pin upon the coins.

2,297,972
SOUND REPRODUCING DEVICE
Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application January 12, 1940, Serial No. 313,519
4 Claims. (Cl. 179—116)



1. A sound reproducing device comprising, means forming a sound board supporting plate having an opening therein, sound amplifying cones having their perimeters secured against said plate on the opposite sides thereof and covering the opening therein, and electrically operable sound reproducing means individualized to said amplifying cones and coupled in parallel whereby electrically transmitted sound may be reproduced and distributed.

2,297,973
CENTRIFUGAL CASTING MACHINE
Emmett B. Moore, Evanston, Ill.
Application August 11, 1941, Serial No. 406,252
10 Claims. (Cl. 22—65.1)



1. In a centrifugal casting machine, a base, a cross-bar mounted for rotation thereon, a mold and crucible support with pivotal means connecting said support to the bar at a distance from the axis of rotation, the support being free to be swung inwardly about said pivotal connection before the rotation of the bar begins and to be swung outward by the centrifugal force generated by the rotation, a substantially spiral cam on the base and a follower on the support positioned to engage the cam in the initial portion of said rotation, said cam acting to overcome the inertia of the mold support and to positively swing the support outward as the bar begins to turn.

2,297,974
DARKROOM SAFELIGHT LAMP
Francis K. Moore, Chicago, Ill., assignor to Albert Specialty Company, Chicago, Ill., a corporation of Illinois
Application July 23, 1940, Serial No. 346,937
7 Claims. (Cl. 240—20)

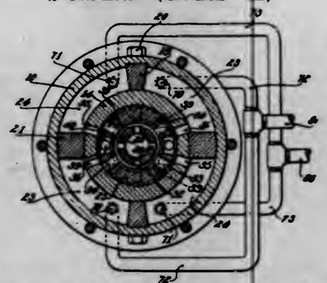
1. In a lamp of the kind described, the combi-

nation of a tubular casing having a plurality of relatively angularly disposed side walls, a closure wall at one end of said casing having an opening supporting therein a lamp socket, one of said casing side walls having a light-emitting opening therein, a removable cover for the other end of said casing including a filter-carrying frame supported on said cover and telescoped with said casing and having a plurality of translucent colored light-filters, and an electric light bulb with-



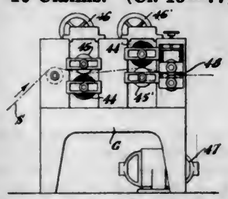
in said casing connected to said socket, said colored light-filters being disposed relatively angularly one to the other and said cover being replaceable on said casing with the angular corners of said filter-carrying frame slidably supported on and interfitted within the angular corners of the side walls of said casing and with any one of said filters selectively positioned adjacent to and in parallel alignment with said casing side wall opening to filter the light passing therethrough from said light bulb.

2,297,975
HYDRAULIC DEVICE
George G. Morin and Emile J. Carleton, Holyoke, Mass.
Original application April 15, 1938, Serial No. 202,262, now Patent No. 2,260,979, dated October 28, 1941. Divided and this application January 22, 1941, Serial No. 375,476
2 Claims. (Cl. 121—41)



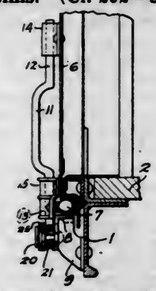
1. A control valve having a neutral position and comprising a casing, a plurality of vanes secured within the casing and projecting inwardly therefrom, a rotor within the casing bearing against said vanes, vanes secured to the rotor and projecting outwardly into contact with the casing intermediate the first-named vanes to form chambers between the casing and the rotor, ports extending through the rotor on each side of the vanes carried thereby, a control member rotatable within the rotor and having pairs of inlet ports and an exhaust port intermediate each pair, said pairs of inlet ports being out of register with the ports in the rotor when the valve is in neutral position and the ports of each pair being adapted to be brought selectively into register with one or the other of said latter ports on movement of the control member, said exhaust port communicating with both the ports in the rotor in the neutral position of the valve and adapted on movement of the control member to register with the one or other of the ports in said rotor not in communication with an inlet port, means for supplying fluid under pressure to said inlet ports and for removing it from the exhaust ports, spring means for resisting the rotation of the rotor in both directions with a force varying with the displacement from neutral, and means for conducting fluid from said chambers to fluid pressure operated devices.

2,297,976
SCRUBBING AND POLISHING APPARATUS
John S. Nachtman, Youngstown, Ohio
Original application March 30, 1937, Serial No. 133,911. Divided and this application April 3, 1941, Serial No. 386,656
10 Claims. (Cl. 15—77)



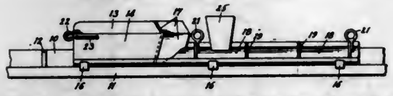
1. Scrubbing and polishing apparatus including a frame, a brush roll journaled in said frame, a back up roll journaled in said frame in vertical alignment with said brush roll, means for passing a strip between said rolls so as to present a convex arcuate surface of the strip to said brush roll, means for adjusting said brush roll toward and away from said strip, means for reciprocating said brush roll transversely of said strip, and means for rotating the reciprocable adjustable brush roll.

2,297,977
ADJUSTABLE DOORSTOP AND METHOD OF APPLYING SAME
Clarence W. Osner, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application August 1, 1940, Serial No. 349,086
3 Claims. (Cl. 292—340)



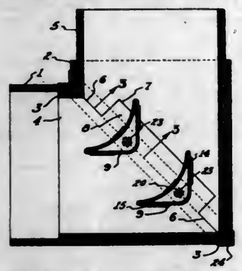
1. In a device of the class described, a stop structure adapted to be mounted upon a car body and including a main member having a horizontal, longitudinal pocket, open at one end, and a plunger slidably inserted in said pocket and having an upright face for engaging a latch on the car door, said main member and plunger having oppositely facing inclined surfaces, and a tapered key inserted between said faces for securely holding said member and plunger against inwardly telescoping movement from the latch engaging position of said plunger.

2,297,978
MEANS FOR FORMING CURBS
John P. Oswald, Los Angeles, Calif., assignor to Oswald Bros., Los Angeles, Calif., a copartnership consisting of George H. Oswald and John P. Oswald
Application March 26, 1940, Serial No. 325,999
2 Claims. (Cl. 94—45)



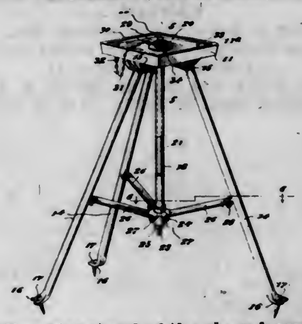
1. In an apparatus of the character shown and described, an outer and an inner side member spaced apart and adapted to operate upon spaced forms, an angularly disposed member therebetween and having its opposite ends connected to said side members and designed on its lower edge to scrape and give surface form to the material between said side members, and a horizontal follow-up troweling member between said side members and connected at its opposite edges to said side members, and at its front end secured to and conforming to the lower edge of said angularly disposed member, said troweling member conforming to the surface form given to said material and adapted to press and trowel the surface of said material as said apparatus is moved along upon said forms.

2,297,979
FITTING FOR CONDUIT CONSTRUCTION
Robert E. Peck, Cincinnati, Ohio, assignor of one-fourth to William Burchenal and one-fourth to Morss Lippincott, both of Cincinnati, Ohio
Application September 18, 1940, Serial No. 357,303
5 Claims. (Cl. 138—39)



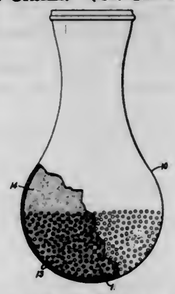
1. A conduit angle fitting comprising a hollow tubular outer member and a hollow tubular inner member telescoping within the outer member, each member being composed of complementary sections, the inner member having one section with a portion on each side extended beyond its line of juncture at the sides of said portion with its complementary section, and the complementary section having a cut away portion registering with said extending portion to form a broken joint out of registry with a miter joint between the sections composing the outer member, a series of air deflecting vanes mounted on the extending portion of the inner section and aligned at the miter joint between the sections forming the outer member.

2,297,980
FOLDING VISE STAND
Ralph I. Perkins, San Antonio, Tex.
Application October 16, 1940, Serial No. 361,457
1 Claim. (Cl. 248—171)



A folding vise stand of the class described comprising a table top, spaced integral ribs arranged to form a Y-shaped channel upon the bottom face of the table, legs pivoted in said channel between the ribs and adapted to be extended in diverging relation to support said table top, the legs having means for anchoring the lower ends thereof to a support, a hollow tube depending from and extending through the table top, a bracing rod having an inner end slidable in said tube, radiating flat braces horizontally hinged to said rod at one end and to the legs at their opposite ends to resist lateral strain when the legs are in an extended position, and means engaging the inner end of the rod and abutting the top face of the table top to hold the rod in a set position within the tube and thereby preventing the legs from spreading.

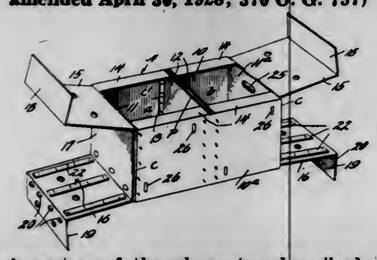
2,297,981
METHOD OF FROSTING GLASS ARTICLES
Marvin Pipkin, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application April 7, 1939, Serial No. 266,601
1 Claim. (Cl. 41—42)



A method for the production of inside frosted bulbs which comprises partly filling said bulb with a quantity of loose but closely packed relatively small globules of a substantially acid-resisting material, treating the inner bulb surface covered by said acid-resting material with an etching solution while maintaining said acid-resisting material in fixed relation to said sur-

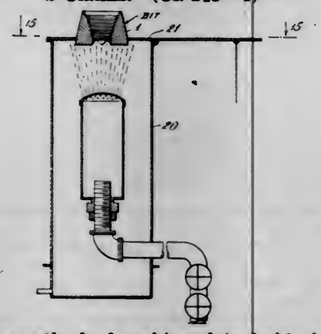
face, removing said solution and said acid-resisting material from said bulb, washing the treated inner surface of said bulb and entirely covering the said treated surface with a layer of acid-resisting material, treating the remainder of said inner bulb surface with an etching solution, and removing said layer of acid-resisting material.

2,297,982
COLLAPSIBLE MULTICOMPARTMENT CARTON
Roy C. Potts, Takoma Park, Md.
Application December 26, 1940, Serial No. 372,117
2 Claims. (Cl. 229—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



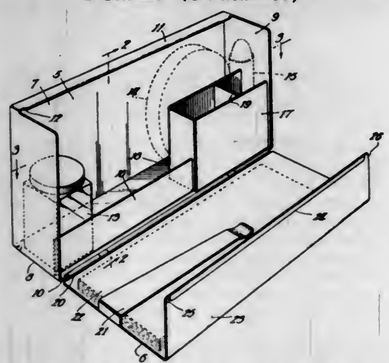
1. A carton of the character described comprising a body portion consisting of side and end walls, an internally located transverse partition, top flaps and bottom flaps for closing the top and bottom openings respectively of the body portion, each flap being flexibly connected with an end wall and foldable over said openings, each flap having an integral relatively movable extension adapted to engage said partition member, spaced reinforcing cleats on the outside surface of said flaps to register with the spaces between similar cleats of a like carton, the cleats of the bottom flaps having portions extending to the extremity of said relatively movable portions, the last mentioned portions of the cleats having openings therein, said transverse partition also having openings positioned to register with the last mentioned openings, and removable anchoring means extending through said openings to retain said bottom flaps in engagement with said partition.

2,297,983
METHOD OF MAKING DETACHABLE BITS FOR ROCK DRILLS
Walter C. Rea, Kew Gardens, N. Y., assignor to Detachable Bit Company, New York, N. Y., a corporation of Delaware
Application March 9, 1939, Serial No. 260,715
2 Claims. (Cl. 148—4)



1. The method of making detachable bits for rock drills which consists in machining the bits to proper shape from rolled bar stock and thereafter heat-treating the machined bits, said heat treatment consisting of the following steps: heating the bits, supporting the bits to expose the cutting face only to a quenching spray while protecting the balance of the bit from water contact, regulating the force, time and temperature of the spray to effect a hardening of the cutting surface only and then slowly cooling the bits.

2,297,984
COSMETIC CASE
Lucille S. Reller, Chicago, Ill.
Application September 3, 1940, Serial No. 355,200
1 Claim. (Cl. 132—79)

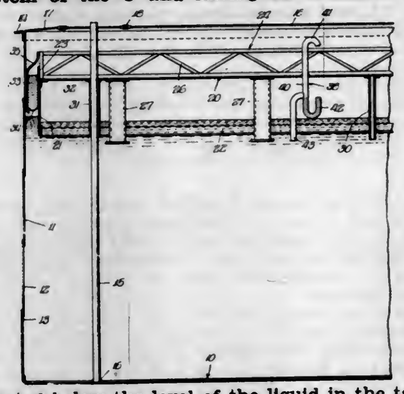


A vanity kit container adapted to be carried in a lady's purse, said container comprising a body portion having a back wall, a bottom wall, and end walls but open at the top, article segregating and holding members fastened in said body to hold articles in position therein to be removed readily when the body portion is upright, a cover joining said bottom wall, said bottom wall and said cover being hingedly connected so that both rest flat on a supporting surface when the body portion is upright and the cover is open, said cover having a flange at the edge thereof opposite its connection to the bottom wall, said flange extending across the top opening of said body portion for closing said top opening when the cover is moved to closed position, said body portion having a narrow lip at the open top and said flange being resilient whereby it may be pressed under said lip, and cooperating latch portions on said lip and said flange to hold the cover closed.

2,297,985
FLOATING ROOF
George Rivers, East Chicago, Ind.
Application April 8, 1939, Serial No. 266,745
6 Claims. (Cl. 220—26)

1. A vapor seal for a floating roof including a horizontal deck and a peripheral skirt depending below the same to form with said roof a vapor space above the surface of the liquid, a tube extending through the deck and having a bent portion formed on the lower end below the deck, said bent portion simulating a U with the terminal end thereof being located a predetermined distance below the deck, and a discharge portion having connection with the other leg of said U a substantial distance above the bottom thereof, said discharge portion having communication with the tube including the terminal U

thereof, and said portion depending below the bottom of the U and having its terminal end

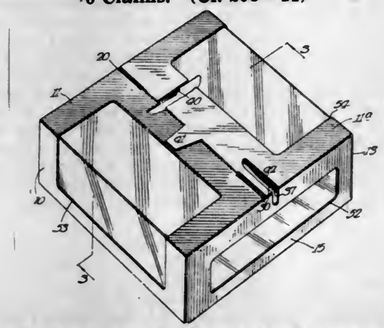


located below the level of the liquid in the tank under all conditions of operation.

2,297,986
METHOD OF SCOURING WOOL
Ben W. Rowland and Douglas Fronmuller, Appleton, Wis., assignors to The Institute of Paper Chemistry, Appleton, Wis., a corporation of Wisconsin
No Drawing. Application September 18, 1939, Serial No. 295,454
4 Claims. (Cl. 8—139)

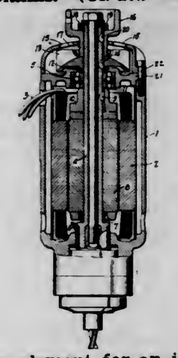
1. The method of scouring wool for effectively removing dirt, suint, grease and the like, which comprises treating wool with an aqueous aliphatic sulfate detergent bath maintained at a temperature of about 140° to 150° F. and a pH of about 4 to 6, washing the treated wool in warm water and then drying the wool so that it contains at least about 5 per cent moisture.

2,297,987
CARTON
Edward Trowbridge Ryerson, Wilmette, Ill., assignor to The W. E. Long Company, Chicago, Ill., a corporation of Illinois
Application December 11, 1939, Serial No. 308,607
6 Claims. (Cl. 206—44)



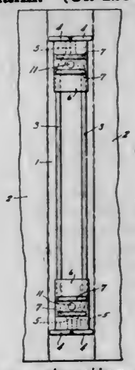
1. A carton formed from a single piece of material comprising a bottom wall section, a pair of end walls bent to extend upwardly from said bottom wall, said end walls each having flaps along its side and top edges folded at right angles to said end wall, a tab at opposite ends of the flap along the top edge of each end wall secured to the remaining flaps of each wall, respectively, a side wall folded at right angles to said bottom wall and secured to the adjacent flaps on the side edges of the end wall, a top wall section integral with each side wall, and means for securing said top wall sections in lowered position on the upper edges of said top and side walls, and means comprising tabs on each of said top wall sections engaging beneath said first named flaps in overlapping relation, one of said top wall sections being return bent at its free end and transversely slitted at its central portion to form an opening tab.

2,297,988
MOTOR CONSTRUCTION
Marion B. Sawyer, Los Angeles, Calif., assignor to Sawyer Electrical Mfg. Co., Los Angeles, Calif., a corporation of California
Application February 17, 1941, Serial No. 379,163
3 Claims. (Cl. 172—120)



1. A rotating element for an induction motor comprising a shaft, a rotor concentric with the shaft, an abutment at one end of the rotor longitudinally fixed with respect to the shaft to limit longitudinal movement of the rotor on the shaft in one direction, means adjacent the same end of the rotor to prevent angular displacement of the rotor with respect to the shaft, and a spring seated between the other end of the rotor and a shoulder on the shaft to hold the rotor against the abutment.

2,297,989
RING BINDER CONSTRUCTION
John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application September 23, 1941, Serial No. 411,957
1 Claim. (Cl. 129—24)



A ring binder construction comprising a back

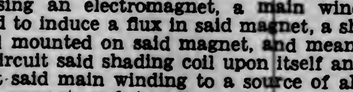
panel and hinged covers, a wire frame toggle mechanism of the kind having spaced wires bent at their ends to form end binding rings and adjacent bent portions forming toggle links, spring clips, one at each end of the toggle mechanism, each clip having its side edges turned down to engage the toggle frame wires and having open ended slots to straddle adjacent ring halves, each clip being riveted to the back panel, whereby an efficient, easily assembled ring mechanism of light weight and good appearance is provided in the binder construction.

2,297,990

TESTING GREASEPROOF PAPER

Milton G. Schmitt, Kaukauna, and Martin L. Downs, Appleton, Wis., assignors to Thilmany Pulp & Paper Company, a corporation of Wisconsin

Application January 14, 1942, Serial No. 426,710
3 Claims. (Cl. 73—51)



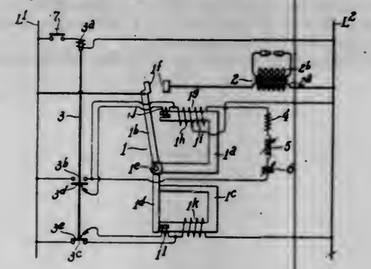
1. The method of evaluating the resistance of a sheet of paper to penetration by grease or oil, which consists in coating one side of a test sample of the sheet with a pigment, applying to the other side of the sheet a liquid which is miscible with oil and is of such character that when the coating is impregnated with said liquid the appearance of said impregnated coating will contrast with the appearance of the coating which has not been so impregnated, and then comparing the appearance of the test sample with the appearance of a standard which has been subjected to a similar treatment.

2,297,991

CONTROL OF ELECTRIC CIRCUITS

Jurg A. Senn, Milwaukee, and Carroll Stansbury, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application August 1, 1940, Serial No. 349,206
14 Claims. (Cl. 175—375)



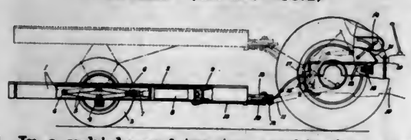
1. An electromagnetic switch adapted to control an alternating current translating circuit, comprising an electromagnet, a main winding adapted to induce a flux in said magnet, a shading coil mounted on said magnet, and means to short-circuit said shading coil upon itself and to connect said main winding to a source of alternating current and to alternatively open said short-circuit and thereafter disconnect said main winding from said source.

2,297,992

ADJUSTABLE LOW-BED VEHICLE

Lowell Charles Swim, Modesto, Calif.

Application December 2, 1941, Serial No. 421,267
7 Claims. (Cl. 280—33.4)



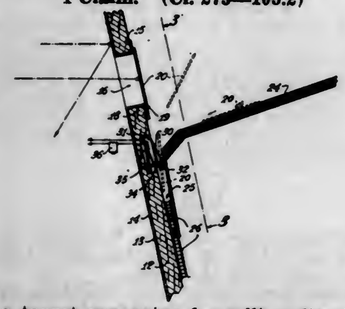
1. In a vehicle and tractor combination, a vehicle bed, a vertically movable drawbar unit on the tractor, means connecting the unit and bed at the forward end of the latter in supporting relation, wheels at the sides of the bed intermediate the ends of the latter, vertically adjustable connection means between the bed and wheels, a movable handle on the tractor controlling the movement of the drawbar, a mechanism mounted in part on the bed to control the movement of the adjustable connection means, a control handle for the mechanism mounted on the tractor and a link connecting the handles to simultaneously move the same whereby to cause simultaneous operation of the drawbar unit and mechanism.

2,297,993

TARGET DEVICE

Walter A. Tratsch, Chicago, Ill.

Application January 17, 1941, Serial No. 374,806
1 Claim. (Cl. 273—105.2)



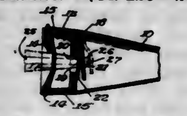
In a target apparatus for rolling disc targets, a target range comprising a downwardly and rearwardly inclined target wall having one or more inclined elongated openings formed therein, inclined runways to the rear of said wall and adjacent the lower elongated edge of said openings and adapted with the cooperation of said target wall to support rolling disc target elements for gravitation theredown while exposed through said openings whereby the target elements may be unseated from said runway at any point along the latter when struck by a pellet.

2,297,994

DOUCHE

John Vellinga, Chicago, Ill.

Application September 29, 1941, Serial No. 412,828
6 Claims. (Cl. 128—251)



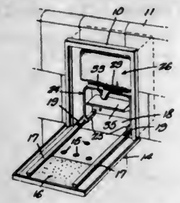
3. A douche comprising a distendable elastic bag with a reduced neck, a valve head secured in the neck and comprising spaced partitions with reduced openings therethrough, a flap valve at the inside of the inner partition to open freely for admitting liquid and other material when the bag is not under pressure, and closing against the partition to maintain pressure in the bag, and the outer partition comprising means for resiliently engaging faucets of different sizes to make liquid tight connection therewith for filling and inflating the bag.

2,297,995

CABINET

George Wise, Washington, D. C.

Application September 13, 1941, Serial No. 410,742
6 Claims. (Cl. 132—80)



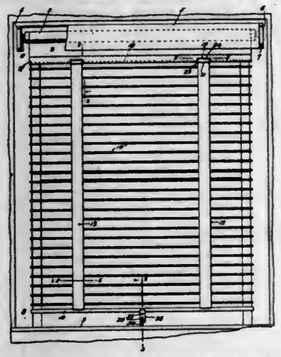
1. A shaving cabinet having a door hinged at the bottom to the cabinet, a track on the door extending along the bottom of the cabinet, and an inverted U-shaped kit carrying member provided at its ends with means for supporting the member on the track for free movement into or out of the cabinet.

2,297,996

VENETIAN BLIND

Walter C. Wolfe, Albuquerque, N. Mex., assignor of forty-five per cent to Francis S. Bowyer, Albuquerque, N. Mex.

Application November 22, 1941, Serial No. 420,135
4 Claims. (Cl. 156—17)



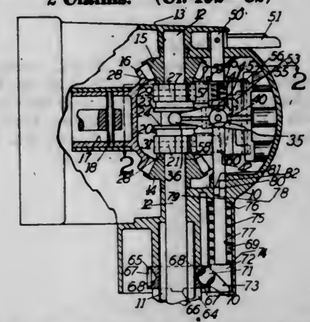
1. In a blind of the class described, a plurality of horizontal slats, a pair of side tapes looped over the upper slat and including side stretches depending upon opposite sides of said slats, means to suspend the loops of said tapes at the top of a window casing comprising clamping plates for said loops pivoted for rocking movement whereby said stretches may be manipulated vertically, means connecting said slats to said stretches whereby said slats may be variably tilted under such manipulation of said stretches, and means to attach the lowermost slat to the stool cap of said window casing to maintain said lowermost slat in tilted position and thereby maintain the said side stretches in manipulated position and the remaining slats in tilted position.

2,297,997

DRIVE MECHANISM FOR CLOTHES WRINGERS

Thomas W. Behan, Binghamton, N. Y.

Application August 30, 1937, Serial No. 161,562
2 Claims. (Cl. 192—82)



1. In a device of the character described, in combination a driving member, a driven member, a clutch member therebetween, an operating shaft, a forked member pivoted adjacent said operating shaft, a cam surface on said forked member, a cam follower carried by said operating shaft whereby movement of said operating shaft is imparted to said forked member and movement of said forked member is imparted to said clutch and means carried by said driving member to move said forked member and hence said clutch upon a change in position of said cam follower carried by said operating shaft.

2,297,998

SEPARATING MECHANISM FOR THRESHERS

Walter R. Dray, Kendall Township, Kendall County, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

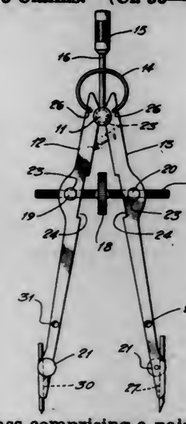
Original application July 1, 1935, Serial No. 29,216. Divided and this application June 29, 1940, Serial No. 343,125
2 Claims. (Cl. 130—25)



1. In a harvester-thresher, a separator mechanism comprising a shaking straw carrying rack having a portion disposed in position to receive material after discharge thereof from a threshing mechanism and having a to and fro motion for advancing said material along the rack, said rack comprising a plurality of spaced transversely extending bars distributed along the length of said rack, a pair of spaced bars mounted in position on said rack and extending in the direction of advance of material thereon and with the lower edge of said spaced bars adjacent the upper face of a portion of said transverse bars of the rack, said pair of bars being of gradually increasing height toward the rear end thereof, an arm pivotally mounted on an axis extending substantially perpendicular to the upper face of the rack adjacent the rear end of each of said longitudinally extending bars and extending in substantial prolongation thereof toward the discharge end of said rack, said arms and said bars

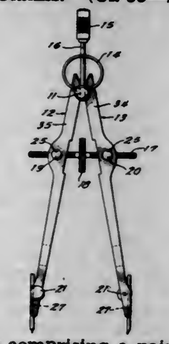
partaking of the to and fro motion of said rack, and the upper faces of said bars and arms being serrated to advance material thereon toward the rear end of said rack during to and fro motion thereof along with said rack, and means for oscillating said pivoted arms transversely of the general direction of travel of said material along said rack during their to and fro motion with said rack.

2,297,999
COMPASS
Floyd G. Eubanks, Pasadena, Calif., assignor of forty-seven and one-half per cent to Francis E. Vaughan, Pasadena, Calif., and five per cent to Robert M. McManigal, Compton, Calif.
Application November 28, 1940, Serial No. 367,644
5 Claims. (Cl. 33—154)



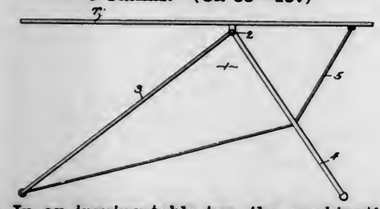
1. A compass comprising a pair of legs, a hinge pin, an adjustment screw, each of said legs embracing a pair of complementary sheet stampings spaced at their upper ends, said stampings converging and being secured together below the adjusting screw, and a spring member arranged to urge the upper ends of said legs together and to retain said stampings in engagement with said hinge pin.

2,298,000
COMPASS
Floyd G. Eubanks, Pasadena, Calif., assignor of forty-seven and one-half per cent to Francis E. Vaughan, Pasadena, Calif., and five per cent to Robert M. McManigal, Compton, Calif.
Application February 23, 1942, Serial No. 432,001
2 Claims. (Cl. 33—27)



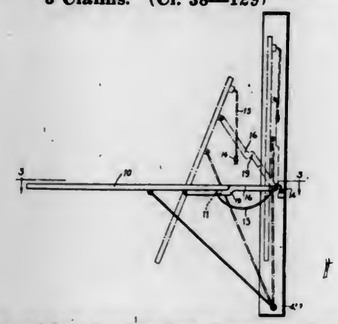
1. A compass comprising a pair of legs hinged at their upper ends and an adjusting screw engaging each of said legs intermediate the ends thereof to control the spread of the lower ends of said legs, each of said legs being a unitary member bifurcated from a point below said adjusting screw to its upper end, the bifurcations of each leg diverging into spaced relationship at their upper ends to thus form legs of open truss construction.

2,298,001
IRONING TABLE STRUCTURE
Horace B. Fay, Willoughby, Ohio, assignor to Gridiron Steel Company
Original application August 6, 1938, Serial No. 223,441. Divided and this application February 12, 1941, Serial No. 378,685
3 Claims. (Cl. 38—137)



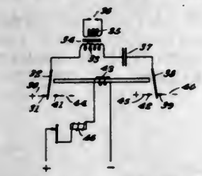
3. In an ironing table top, the combination of two metal sheets spaced apart by means of spaced deformations projecting out of the plane of both sheets with certain of said spaced deformations secured to each other, and an electric heating element within said top extending through the spaces between said spaced deformations, and a flat upper sheet coextensive with the aforesaid sheets and overlying the same to provide a smooth ironing surface, the three sheets being secured together at their edges.

2,298,002
CABINET IRONING BOARD
Thomas H. Fay, Willoughby, Ohio, assignor to Gridiron Steel Company
Application March 12, 1941, Serial No. 382,993
3 Claims. (Cl. 38—129)



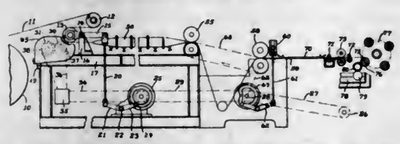
3. In a cabinet ironing board construction, the combination of a wall cabinet, an electrically heated metal ironing board, having an electric cord and plug in, extending from the underside of said board, a convenience outlet in said cabinet, means for pivotally mounting said board in said cabinet and adapted to support said board vertically within said cabinet with its rear end at the top, and to support said board in a horizontal position outside of and spaced from said cabinet, said means consisting of a short pair of supporting arms pivotally mounted in said cabinet and to the underside of said board, and a second support member pivotally attached to said board forward of said arms pivot and to said cabinet adjacent the bottom thereof, a platform carried by said arms and manually operated latch means mounted on said platform for engagement with said board to lock the same in horizontal position, said cord emerging from the board at a point spaced from the outlet a distance which is less than the length of the cord when the board is in horizontal operative position and more than said cord length when said board is folded to vertical position, whereby the plug is withdrawn from the outlet when the board is folded to vertical position to render the heating means inoperative.

2,298,003
APPARATUS FOR CONVERTING DIRECT CURRENT INTO ALTERNATING CURRENT
Samuel Feingold, Brooklyn, N. Y.
Application June 14, 1939, Serial No. 279,114
8 Claims. (Cl. 175—365)



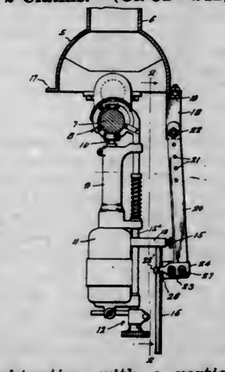
2. Apparatus of the character described comprising a condenser and a load in series, two charging circuits for said condenser including two sources of direct current, an armature connected to the condenser and a pair of contacts associated with the armature, one of said contacts being connected to the positive terminal of one current source and the other contact being connected to the negative terminal of the other current source, said condenser being charged by said current sources alternately under control of said armature and its contacts.

2,298,004
CONTAINER MANUFACTURE
Harry C. Fisher, Cincinnati, and Walter E. Sooy, Middletown, Ohio, assignors, by mesne assignments, to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application February 16, 1940, Serial No. 319,200
14 Claims. (Cl. 93—81)



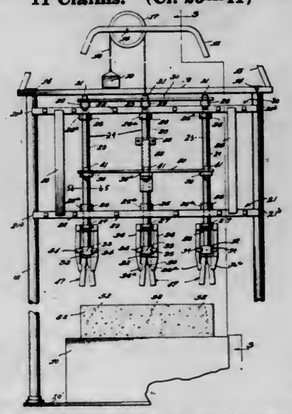
1. In a process for forming tubular bodies for containers and the like the steps which comprise periodically transferring to a traveling web of sheet material a surfacing material to provide for application thereof to said web in predetermined areas spaced from each other lengthwise of the web, feeding the web forwardly a predetermined distance and then stopping the feeding operation, cutting the web in predetermined coordinated time and space relation with the step of applying of the surfacing material to form the web into lengths suitable for winding into tubular bodies with the surfacing material located at the leading end portion thereof to be effective upon the interior exposed surface of the container, and thereafter winding said lengths into the form of convolute wound tubular bodies with said surfaced area exposed upon the interior thereof.

2,298,005
GRINDER ALIGNER
Elmer A. Fuglie, Winona, Minn.
Application June 29, 1942, Serial No. 448,976
2 Claims. (Cl. 51—241)



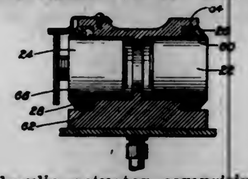
1. In combination with a vertically movable grinder, a hanger assembly, a slide rod carried by the vertically movable grinder, and a horizontally movable carriage on the hanger through which the slide rod is vertically movable, said carriage consisting of a horizontally feedable block having a crotch in one side thereof through which the slide rod is movable and closure means for the crotch, said closure means consisting of a spring clip adapted to bridge the said crotch.

2,298,006
MOLDING APPARATUS
Frank C. George, Orlando, Fla.
Application December 28, 1939, Serial No. 311,400
11 Claims. (Cl. 25—41)



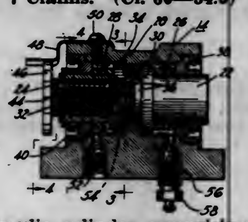
1. The combination of a mold comprising a main member and a plurality of removable core members, a vertically movable support, guide means for said support, carrier means for said core members and carried by said support, a pair of laterally separable gripper jaws for each of said core members and incorporated in said carrier means, and means including a cam for actuating said gripper jaws to and from operative position.

2,298,007
HYDRAULIC ACTUATOR
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 15, 1940, Serial No. 335,235
10 Claims. (Cl. 60—54.6)



1. A hydraulic actuator comprising an open ended cylinder wall having an inwardly extending flange at a distance from the end of the cylinder and having a circumferential groove around the inside of the cylinder wall open at the open end of the cylinder, a piston reciprocable between the flange and the end of the cylinder wall adapted to anchor at times against the flange, and a resilient sealing element bonded to the inwardly facing bottom surface of the cylinder wall groove and bonded to the outer cylindrical surface of the piston, the said sealing element being under shear during movement of the piston away from the flange.

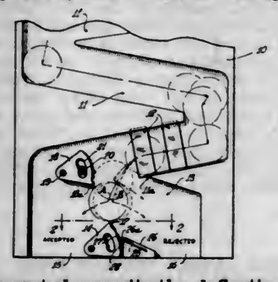
2,298,008
BRAKE
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 10, 1940, Serial No. 339,611
7 Claims. (Cl. 60—54.6)



1. A hydraulic cylinder comprising a cylinder wall, a pair of plugs at the ends thereof, a pair of pistons reciprocable in the cylinder and each having a body portion slidable through one of the plugs and a head portion of larger diameter than the body portion, and a pair of resilient sealing elements in compression between the heads of the pistons and the plugs, each of said sealing elements having the form of a hollow cylinder with its inner cylindrical surface lying along the outer cylindrical surface of the respective piston body.

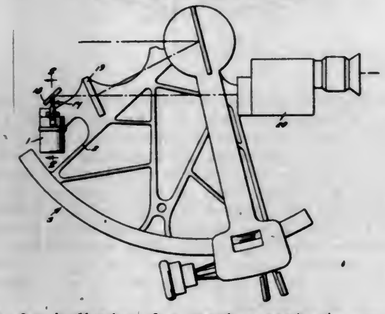
2,298,009
COIN CHUTE DEFLECTOR
Bernhard C. Grunig, Chicago, Ill., assignor to A. B. T. Manufacturing Corp., Chicago, Ill., a corporation of Illinois
Application April 24, 1940, Serial No. 331,371
4 Claims. (Cl. 194—100)

1. In a device of the class described, an adjustable coin deflector including a pivotally mounted member having a coin engaging portion disposed radially of the pivotal mounting thereof and adapted to be engaged by coins moving toward said member from a region thereabove, said member having a plurality of formations arranged arcuately of said pivotal mounting in the region below said coin engaging portion, and means for preventing movement of said member upon engagement of coins with the coin engaging portion, said means including a thrust



member mounted opposite the deflecting member and having a portion projecting into engagement with one of said arcuately disposed formations.

2,298,010
MARINE ARTIFICIAL HORIZON
George Paul Hadjilias, New York, N. Y.
Application April 16, 1941, Serial No. 388,895
3 Claims. (Cl. 33—73)

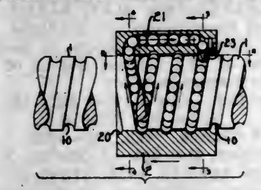


2. An indicator for marine sextants comprising a closed container, for the reception of a fluid, mounted on a sextant, a window in said container, an indicator mounted for universal swinging movement in the container, a pendulum operatively connected to the indicator and operable in the fluid, said pendulum being substantially cross-shaped in horizontal section and constituting means for actuating and stabilizing said indicator, telescopically adjustable supports mounted on the container, and means mounted for swinging adjustment on the supports for reflecting the indicator into the telescope of the sextant.

2,298,011
ANTIFRICTION SCREW DEVICE
Henry S. Hoffar, Vancouver, British Columbia, Canada, assignor to International Multifeed Drills, Ltd., Vancouver, British Columbia, Canada, a corporation of British Columbia, Canada
Application March 19, 1941, Serial No. 384,138
9 Claims. (Cl. 74—459)

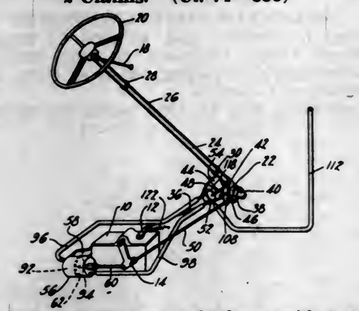
1. In combination, a screw member, a cooperating member having a groove of helical inclination complemental to the screw member helix, which cooperating member groove is movable axially relative to said screw member, a plurality of balls interengaged between said two members in the grooves thereof for transmitting force from one to the other, and means defining with said screw member and said cooperating member an orbit guiding said balls for recirculation between said members, said balls including load-carrying balls

of a size to seat simultaneously upon both of said members, and balls smaller than and interspersed



among said load-carrying balls for rolling contact therewith.

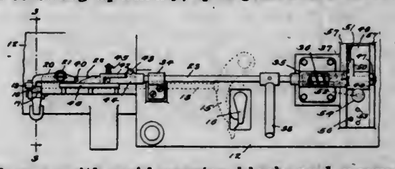
2,298,012
TRANSMISSION OPERATING MEANS
Howard E. Hruska, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 17, 1939, Serial No. 279,670
2 Claims. (Cl. 74—335)



1. In an automotive vehicle provided with a transmission having shift rails, means for moving one or another of said rails to establish the transmission in gear including a pressure differential operated motor, a manually operated selector, a valve mechanism for controlling the operation of said motor including a plurality of pressure sensitive valve members for controlling the flow of power fluid to and from the motor by the seating and unseating of said members, said mechanism being constructed so that one or the other of the valve members, after being moved to open the valve, is subjected to a force resulting from a differential of pressures to which the valve member is then subjected, said force resisting the maintenance of the valve member in its valve open position, and linkage interconnecting the selector, power element of the motor, the valve members and the transmission, said linkage including a floating lever member, and further including a link interconnecting the valve members and lever, said linkage being so constructed and arranged that when the selector is operated to open the valve said link is moved in one direction, and subsequent to this operation the aforementioned resisting action of the then acting valve member tends to move said link in the opposite direction.

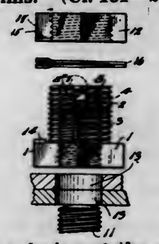
2,298,013
FIRE CONTROL MECHANISM
Bryan P. Joyce, East Orange, N. J., assignor to American Armament Corporation, New York, N. Y., a corporation of Delaware
Application July 22, 1941, Serial No. 403,578
4 Claims. (Cl. 89—27)

1. In a gun, a cradle, firing means including a firing member on said cradle movable rearwardly to effect gun firing, a latch mounted on said cradle and operatively associated with said firing member to latch the same in a forward cocked position, a releasing lever for said latch, said releasing lever extending longitudinally of said cradle and being fulcrumed between its ends on said cradle, said releasing lever having a front end operatively associated with said latch for releasing the latter when said front end of said releasing lever is depressed, said releasing lever having a rear end provided with a T-head, a control rod extending longitudinally of said cradle, means mounting said control rod on said cradle for longitudinal sliding, said mounting means having portions for holding said control rod against vertical movements, the front end of said control rod being provided with a forwardly projecting carrier block spaced behind said T-head, an arm lying on and extending longitudinally of said carrier block, said arm having its rear end pivoted to said carrier block on a transverse axis to allow the front end of said arm to swing upwardly, spring means connecting



said arm with said carrier block and normally holding said arm in lowered position upon said block, and a cam member secured to the front end of said arm and projecting forwardly therefrom substantially to said T-head, said cam member having two laterally spaced forwardly projecting arms and two cams on the inner sides of said arms respectively, said cams having rearwardly inclined upper cam surfaces to wedge under said T-head and operate said latch-releasing lever when said rod is slid forwardly from an idle rear position to a second position or slid further forwardly to a third position, said block preventing downward swinging of said arm with respect to said rod as said upper cam surfaces wedge under said T-head, said cams being of a length to allow said T-head to drop from their rear ends between said laterally spaced arms when said rod has reached said third position, said cams having lower rearwardly inclined cam surfaces to ride over said T-head and upwardly swing said arm and said cam member as said rod is returned from said third position to said rear idle position.

2,298,014
NUT LOCKING DEVICE
Tobias Johnsen, Kirkland Lake, Ontario, Canada
Application June 14, 1939, Serial No. 279,211
8 Claims. (Cl. 151—23)



1. A nut locking device of the class described comprising a nut having a threaded supporting extension and a slot in said extension, a lug

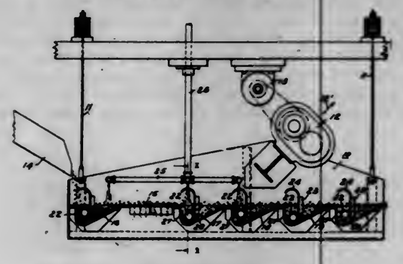
mounted in said slot and secured at one end in the extension against movement inwardly of said slot, the other end being free to swing about the secured end transversely of the nut, and a clamping nut mounted upon said extension and engageable with the lug to effect swinging movement of the free end thereof.

2,298,015

SCRUBBER

Charles S. Lincoln, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application March 28, 1941, Serial No. 385,595
4 Claims. (Cl. 209—6)



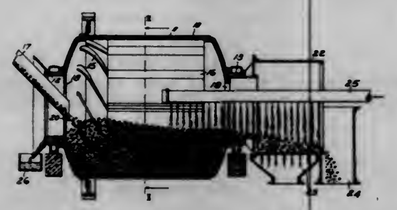
1. In a vibrated scrubbing deck having sides, a feed end and a discharge end, means for vibrating said deck in a plane parallel to said sides, a plurality of pockets arranged in said deck and extending from side to side thereof, said pockets comprising planar walls arranged at an acute angle to each other, longitudinal members loosely retained within said pockets and extending substantially the full length of said pockets, and means carried by said sides and extending inward therefrom for retaining said members adjacent one of said planar walls of said pockets during vibration of said deck.

2,298,016

ROTARY SCRUBBER AND METHOD OF SCRUBBING ORE

Charles S. Lincoln, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application March 29, 1941, Serial No. 385,791
5 Claims. (Cl. 209—452)



5. A scrubber comprising an imperforate rotatable drum having a feed end and a discharge end, an imperforate wall adjacent the feed end provided with a central aperture, an annular grid within said aperture and provided with a central passage; and an imperforate wall adjacent said discharge end provided with a central aperture, the diameter of said discharge aperture being intermediate the diameter of said feed end aperture and said grid passage.

2,298,017

PROCESS FOR PLASTICIZING LIGNO-CELLULOSIC MATERIALS

William Karl Loughborough, Madison, Wis., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office

No Drawing. Application July 15, 1940, Serial No. 345,676
6 Claims. (Cl. 144—309)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

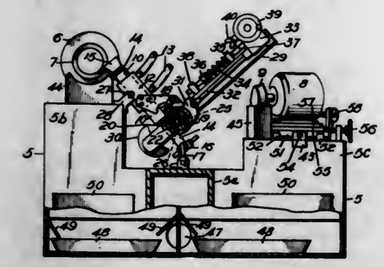
1. A process comprising impregnating wood with an aqueous solution of one of the group of chemicals consisting of urea, thiourea, and urea and thiourea combined; thence drying said impregnated wood; thence heating said dry impregnated wood to at least 150° F.; thence deforming the hot dry impregnated wood; and thence cooling the deformed wood.

2,298,018

MEANS FOR SHARPENING BITS

William J. Moerlin and Robert C. Berggren, Denver, Colo., assignors to The Mine and Smelter Supply Company, Denver, Colo., a corporation of Colorado

Application July 10, 1939, Serial No. 283,579
6 Claims. (Cl. 90—11)



1. A device of the character disclosed comprising means for sharpening a bit, means for gaging a bit spaced away from said sharpening means, a bit holder pivotally mounted adjacent said sharpening and gaging means and angularly movable toward and away from each, a bit-driving head automatically engageable with a bit on the holder by angular movement of said holder toward said gaging means, and mechanism for rotating said driving head for gaging the bit.

2,298,019

SHAVING CREAM

Latimer D. Myers, Cincinnati, Ohio, assignor to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application December 1, 1938, Serial No. 243,421
5 Claims. (Cl. 252—122)

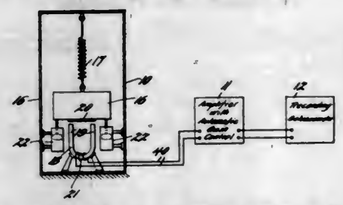
5. A shaving cream comprising approximately 45% by weight of soap, 45% by weight of water, and 10% by weight of glycerin, the said soap being a soap of the class consisting of sodium and potassium soaps and being made up of saponified stearic acid and saponified palmitic acid, with 5 to 10 parts by weight of potassium soap being present in the soap component to each one part of sodium soap, and with 70% of the soap being palmitic acid soap and 30% being stearic acid soap.

2,298,020

SEISMIC SURVEYING

Josephus O. Parr, Jr., San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.

Application April 5, 1940, Serial No. 328,092
8 Claims. (Cl. 177—352)



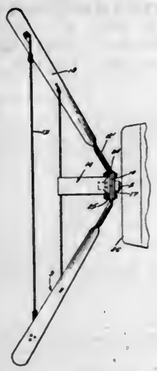
6. Apparatus for converting a train of seismic waves into electric signals representative of the character and timing of said waves and for amplifying said signals for recording, wherein said train of waves extends over a period of several seconds, the first part of the train has a general amplitude level a number of times greater than the remainder, and in which the level of the remainder gradually decreases, comprising in combination, a transducer adapted to convert a part of the energy of said seismic waves into electric waves, means providing a period for said transducer of the order of said train extent while remaining responsive to the seismic waves, means in said transducer responsive to the first received high level wave in said train to substantially reduce the response thereof, means under the control of said period providing means to gradually increase the response after a decrease thereof, an amplifier for said electric waves and an automatic gain control therefor, said gain control being timed to operate in conformity with said response increase to provide a final output of substantially uniform level.

2,298,021

PROPELLER

Eric Arnold Fritz Presser, East Chicago, Ind.

Application January 23, 1941, Serial No. 375,690
4 Claims. (Cl. 170—166)



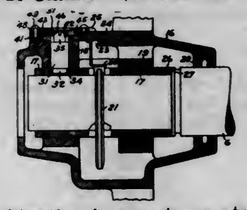
1. A propeller comprising an inner triangular-shaped blade having a base portion extending at right angles to the axis of rotation thereof, said base portion having oppositely inclined leading and trailing edges and said inner blade having longitudinally extending converging sides and a pair of outer blades extending in diverging relation from said base portion of the inner blade, said inner blade being adapted to act on fluid in the region of the hub of the propeller to move the fluid laterally relative to the axis of rotation of the propeller.

2,298,022

ADJUSTABLE END PLAY MOTOR

George L. Ringland, Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application August 2, 1940, Serial No. 349,472
10 Claims. (Cl. 308—58)



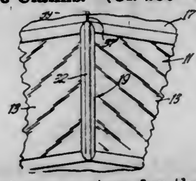
1. In combination in a motor, a stator, a rotor cooperative therewith and having a shaft, supporting bearing housings carrying bearings within which the rotor shaft is rotatably mounted, said shaft having an abutment surface at each side of the motor, said bearings each having a portion adjustable axially along said shaft and provided with an abutment surface in opposed relation to a corresponding one of said abutment surfaces on said shaft, means for axially adjusting each of said adjustable bearing portions to vary the clearance between the abutment surface thereon and the corresponding abutment surface on said shaft, said means comprising an element rotatable in an opening through said bearing housing and having an operating head of polygonal cross-section, an apertured plate removably held in position on said bearing housing over said opening with said polygonal head portion in said opening and having means cooperative with said polygonal head portion for securing the latter and said adjustable bearing portion in various adjusted positions.

2,298,023

RADIO ANTENNA

Henry B. Saunders, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois

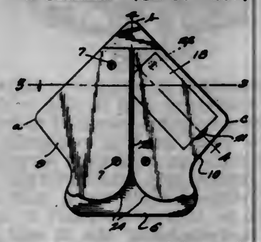
Application March 27, 1940, Serial No. 326,238
13 Claims. (Cl. 250—33)



1. In an antenna system for the radio apparatus on an automobile having a body and a V-type windshield comprised of two sections of glass, an insulating casing member extending about each of said glass sections and having an elongated opening formed therein between said sections, metal frame means on said windshield including frame members oppositely disposed adjacent said elongated opening and a substantially V-shaped connecting member located on the outside of said windshield, certain of said frame members extending toward said connecting member, an aerial including said frame means and having a pair of extensible sections, said extensible sec-

tions being retractable in said connecting member and slidably supported therein by said certain frame members, one of said sections comprising a self-supporting coil spring and the other section comprising a rod like member slidably supported in said one section, and means located within the body of said car for adjusting said extensible sections relative to said metal frame means, said adjusting means extending between said oppositely disposed frame members and through said elongated opening and operatively connected with said one section.

2,298,024
ENVELOPE OPENER
Pasquale Vallarelli, Leavenworth, Kans.
Application April 15, 1942, Serial No. 439,137
5 Claims. (Cl. 30—294)



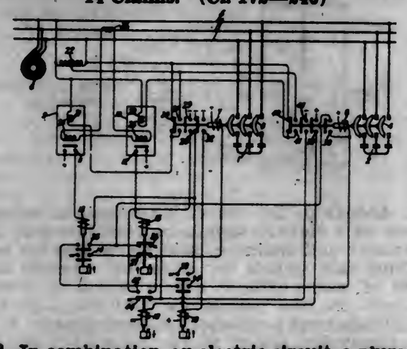
1. A letter opener comprising a back member, a pair of closely spaced members on one side of the back defining a slideway, and a blade carried by one of the members and intersecting the slideway.

2,298,025
ARTIFICIAL LIMB
Samuel R. Anderson, Hardin, Ill.
Application July 25, 1941, Serial No. 404,084
2 Claims. (Cl. 3—2)



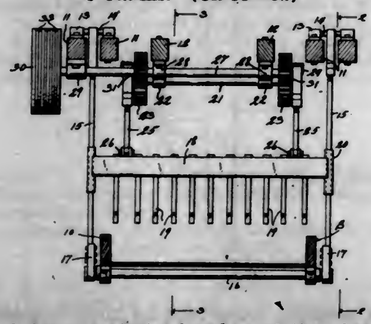
1. In an artificial limb, a calf member and a foot member, the latter including a sole shaped body, a frame shaped to follow the marginal edge of the body and secured to and rising therefrom, a web element connected to the lower end of the calf member and the forward end of the body, a web element having its ends secured upon opposite sides of the calf member and disposed about the under face of the body for cooperation with the first mentioned web element for connecting the foot member to the calf member for swinging movement, and resilient means mounted between the calf member and the body to control the movement of the foot member and to hold the same spaced from the calf member.

2,298,026
CONTROL SYSTEM
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application July 15, 1941, Serial No. 402,492
14 Claims. (Cl. 172—246)



3. In combination, an electric circuit, a plurality of reactive devices, switching means for respectively connecting said reactive devices to said circuit, means including a control device responsive to a predetermined magnitude of the reactive component of the power supplied to said circuit and the reactive devices connected thereto for effecting the operation of a predetermined one of said switching means, means responsive to said operation of said one of said switching means for changing the setting of said control device so that it responds to a different predetermined magnitude of the reactive component of the power supplied to said circuit and the reactive devices connected thereto, and means controlled by said control device after the setting thereof has been changed for effecting the operation of another of said switching means when said different predetermined magnitude of the reactive component of power is supplied to said circuit and the reactive devices connected thereto.

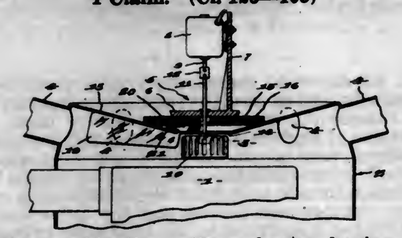
2,298,027
COAL BREAKING MECHANISM
Robert M. Barr, Fort Smith, Ark.
Application October 2, 1941, Serial No. 413,375
3 Claims. (Cl. 83—52)



1. A lump material breaker of the character described, comprising means for supporting said material, suspended swinging carrier means for said supporting means, a plurality of pick elements, a carrier body for said pick elements extending transversely of the material supporting means and having sliding connection with said swinging carrier means whereby the said picks

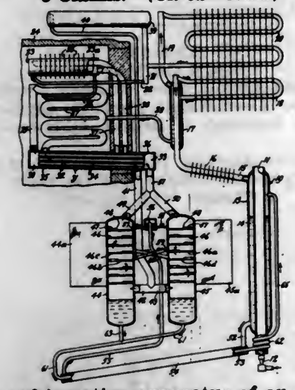
are directed downwardly toward the material carrier, and mechanism connected with said pick carrier for effecting the vertical reciprocation of the same upon said carrier means and with respect to the material supporting means.

2,298,028
HOT AIR CIRCULATING ATTACHMENT FOR HEATERS
Carl E. Baxley, Auburn, N. Y.
Application June 27, 1940, Serial No. 342,770
1 Claim. (Cl. 126—105)



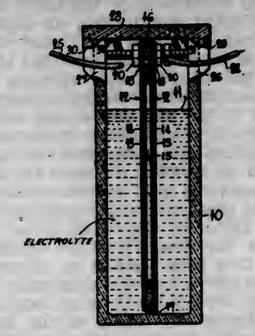
The combination with a heater having the usual outer casing surrounding it and formed with the usual hot air chamber at the top thereof above the heater from the peripheral wall of which chamber the hot air pipes lead; of the top wall of said chamber being formed with a central opening, and means for distributing the air among said pipes comprising a unit including a frame, an electric motor carried by the frame and arranged with its shaft vertical, a fan located in the chamber and placeable therein through said opening, a shaft connecting the fan and the motor shaft, said frame being carried by the margins of the wall around said opening and the unit being arranged to balance in vertical position, a baffle plate insertable into the chamber through said opening and having means for supporting it from the margin of the wall around said opening in position to extend substantially radially of the chamber.

2,298,029
REFRIGERATION
Gustav Mårten Blomqvist, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 7, 1940, Serial No. 322,682
5 Claims. (Cl. 62—119.5)



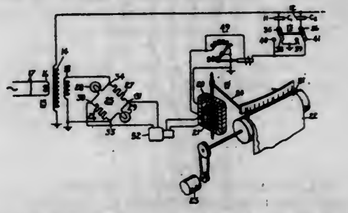
1. In refrigeration apparatus of an absorption type having a generator, an evaporator, a plurality of absorbers, and members forming a circuit for gas from said evaporator through said absorbers in parallel, members forming a circuit for absorption liquid from said generator through said absorbers in parallel and including a liquid divider to distribute liquid flowing to said absorbers, and one or more cross connections between said absorbers for diverting liquid from one to another of said absorbers.

2,298,030
PHOTOVOLTAIC CELL
John R. Bost and Thomas Gordon Ladshaw, Jr., Spartanburg, S. C.
Application September 16, 1940, Serial No. 356,990
11 Claims. (Cl. 136—89)



1. A photovoltaic cell comprising a photosensitive electrode having a cupric oxide light-receiving surface and on electrolyte substantially covering said surface and comprising an acidic solution of a salt of an alkali metal and a cooperating electrode.

2,298,031
APPARATUS FOR MAKING INSULATION LIFE TESTS
Henry W. Bousman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 29, 1941, Serial No. 385,963
4 Claims. (Cl. 175—183)



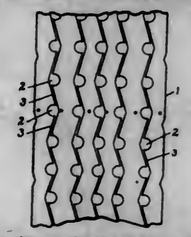
1. A voltage compensated loss tester comprising voltage source terminals adapted to have a test specimen connected thereto, a wattmetric unit having mutually reacting coils one of which is relatively movable with respect to the other, one of said coils being connected in series with the voltage source and the terminals for the specimen, and a voltage compensating bridge in the form of two incandescent lamps and two resistors connected in series parallel with two diagonally opposite points connected in operative relation to the voltage source and the remaining two diagonally opposite points connected to the remaining coil of the wattmetric unit, the bridge being adjusted to have the lamp resistance less

than the resistance of the resistors for a voltage range which includes the normal voltage of the said voltage source.

2,298,032
TITANIUM SOLUTION PRODUCTION
L'Roche G. Bousquet, Baldwin, and Maxwell J. Brooks, New York, N. Y., assignors to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application March 29, 1940, Serial No. 326,672
8 Claims. (Cl. 23—87)

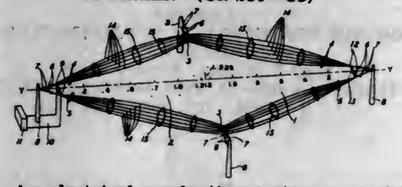
1. The method of lowering the acidity factor of an initial crystalloidal titanium salt solution, of the group consisting of titanium sulfate and titanium chloride and having an acidity factor not lower than 40% and not higher than 100%, without disturbing the crystalloidal characteristics of said solution, the said solution containing an oxidizable compound comprising the acid radical present in the said initial salt solution and a metal other than titanium; which method comprises converting said compound to a higher state of oxidation to thereby increase the amount of the initial solution acid radical associated with said metal of said oxidizable compound and lower the acidity factor of the liquid phase of the resulting mass, the amounts of the oxidizable compound and free acid present in the initial solution and the amount of the oxidizable compound converted to the higher state of oxidation being such that the acidity factor of the liquid phase of said mass is at least 10% less than that of said initial solution, then reducing the compound of said higher state of oxidation to its previous state of oxidation, and during said conversion and reduction operations maintaining a temperature not in excess of 60° C.

2,298,033
NONMETALLIC TIRE
Archibald C. Bowers, Akron, Ohio, and Charles M. Du Puy, Greensburg, Pa., assignors to Pennsylvania Rubber Company, Borough of Jeannette, Pa., a corporation of Pennsylvania
Application December 4, 1941, Serial No. 421,596
3 Claims. (Cl. 152—209)



1. A vehicle tire of elastic material having a tread surface adapted under load pressure to engage a smooth road surface over an extended area, the continuity of the engaging surface of the tire being interrupted by a plurality of reentrant pockets arranged in circumferential sequence, the successive pockets being interconnected by reentrant grooves narrower than the pockets, and, like the pockets, normally open at the tread surface, whereby under load pressure the lateral spread of the substance of the tire closes the grooves, and the so isolated pockets make suction engagement with the road, and with relief of pressure the grooves open, venting the pockets noiselessly.

2,298,034
ANTENNA SYSTEM
Charles R. Burrows, Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 2, 1941, Serial No. 400,739
10 Claims. (Cl. 250—33)



1. An electrical conducting system comprising angularly related straight conductors and having an exponential distributed impedance taper, at least one of said conductors having a given cross-sectional area at one of its extremities and a variable cross-sectional area along its length, the variation in said area being dependent upon said given cross-sectional area and the difference in distributed impedance at the conductor extremities.

2,298,035
SHOE COUNTER
Gerald S. Colella, Haverhill, Mass., assignor of one-half to Merker Counter Company, Haverhill, Mass., a corporation
Application March 25, 1942, Serial No. 436,071
3 Claims. (Cl. 36—68)



1. An extension counter of dense fibrous material for use with deep shank shoes, said counter comprising side and rear walls and an inwardly directed bottom flange, that portion at least of the flange which is designed to extend along the shank of the shoe having therein spaced slits extending transversely of the flange and through the entire thickness thereof so as to make the flange flexible, the ends of the slits being spaced from the inner and outer edges, respectively, of the flange, thereby to leave both margins of the flange intact.

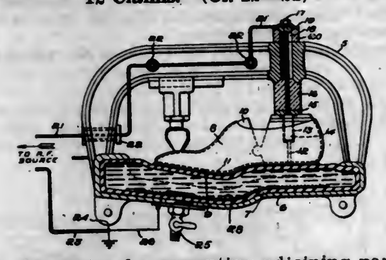
2,298,036
COCK OR VALVE
Israel Cohen, Gunnersbury, London, England, assignor to Aircraftings Limited, Gunnersbury, London, England, a British joint-stock company
Application April 30, 1940, Serial No. 332,590
In Great Britain May 18, 1939
6 Claims. (Cl. 251—97)



1. In a rotary valve, a cone-shaped plug part,

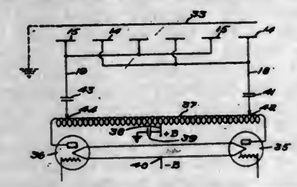
a cone-shaped seat, means constantly tending to seat the plug part, a spindle part separate from said plug, and a freely floating coupling member operative between the spindle part and plug, said coupling member having a surface which is inclined with respect to an adjacent surface of one of said parts so as to exert an initial camming action upon operation of the spindle and being free to slide back and forth laterally in one direction relative to said one part, and being free to slide back and forth relative to the other said part in the other lateral direction, whereby said floating coupling member moves the plug axially before turning it, and exertion of lateral pressure on the plug by the spindle is avoided.

2,298,037
SHOE MANUFACTURING METHOD AND APPARATUS
Ervin L. Crandell, Wellesley, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application June 3, 1941, Serial No. 396,416
12 Claims. (Cl. 12—21)



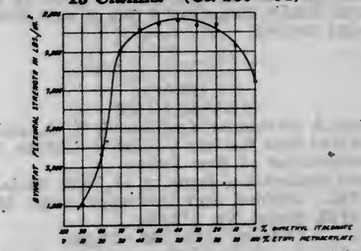
1. Apparatus for cementing adjoining parts of an assembly having an adhesive therebetween, comprising a press; means in said press comprising a receptacle containing an electrically conductive liquid and having a flexible diaphragm in contact with said liquid for supporting the assembly thereon; means forming an electrode within said press and electrically insulated therefrom; means for connecting opposite sides of the output circuit of a high frequency electric source to said electrode and to said liquid, and means for moving said electrode towards said liquid with said assembly therebetween.

2,298,038
SHOE CEMENTING APPARATUS
Ervin L. Crandell, Wellesley, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application June 13, 1941, Serial No. 397,874
8 Claims. (Cl. 12—37)



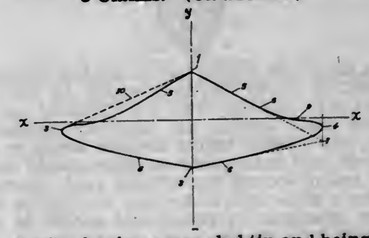
1. Electrostatic heating apparatus comprising a pair of electrodes arranged substantially in edge to edge alignment; means forming a push-pull, high frequency, oscillator circuit; means connecting said electrodes to opposite sides of said circuit, and a free electrode spaced from said electrodes.

2,298,039
INTERPOLYMER OF DIMETHYL ITACONATE AND ETHYL METHACRYLATE
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 12, 1939, Serial No. 294,498
15 Claims. (Cl. 260—84)



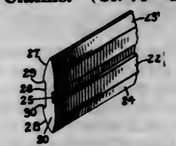
1. A composition of matter comprising the product of polymerization of a polymerizable mixture containing dimethyl itaconate and ethyl methacrylate in the ratio of, by weight, from 10 to 70 per cent of the former to from 30 to 90 per cent of the latter.

2,298,040
FLUID FOIL
David R. Davis, Los Angeles, Calif., assignor to Manta Aircraft Corporation, Los Angeles, Calif., a corporation of California
Application August 21, 1939, Serial No. 291,207
3 Claims. (Cl. 244—35)



1. A wing having a rounded tip and being highly tapered in plan, the outer portion of the wing having a lesser degree of taper than the inner portion thereof, the center of area of the wing lying behind a line normal to and bisecting the root chord, a trailing edge inclined forwardly from root to tip and a swept-back leading edge with a lesser degree of sweep-back along the outer half of the leading edge than along the inner half thereof.

2,298,041
METHOD OF MAKING DIES
Francis J. Dedrick, Red Lion, Pa.
Application January 28, 1941, Serial No. 376,257
7 Claims. (Cl. 76—107)



1. The method of making clicker dies, which consists in forming the die stock with a longitudinal cutting edge, forming a channel longitudinally in one face of said die stock, forming a groove longitudinally in the face of the die

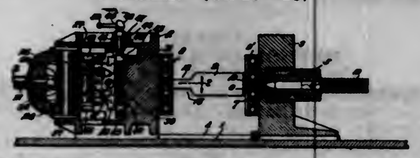
stock opposite to the channeled face, bending said die stock to clicker die shape with said groove on the inside thereof and welding the adjacent ends together, inserting a block of metal having an area less than the area of the die and having a thickness corresponding substantially to the thickness of said groove into the groove and uniting said block to the die stock by welding, and finally mounting a pin in said block at the point desired.

2,298,042
FLASHLIGHT
Anthony J. Desimone, Lyndhurst, N. J., assignor to Bright Star Battery Company, Clifton, N. J., a corporation of New Jersey
Original application January 11, 1939, Serial No. 250,255. Divided and this application March 14, 1940, Serial No. 323,861
1 Claim. (Cl. 240—10.66)



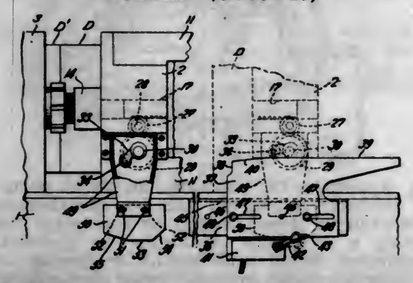
In a flashlight, a base cap of molded insulating material, a metal sleeve threaded at one end molded into said cap with the threaded portion exposed and having an inwardly projecting flange, and a spiral spring member seated in said sleeve on said flange, said cap beyond said flange being hollow except for integral guide members forming a spare bulb socket and said spring having an extension overlying said socket to hold the spare bulb therein.

2,298,043
MOLDING MACHINE
Richard W. Dinsl, Westfield, N. J., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey
Application July 30, 1940, Serial No. 348,343
5 Claims. (Cl. 18—16)



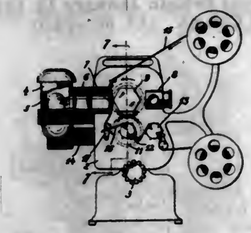
1. In a machine, the combination of an advanceable and retractible platen, locking means mounted on said platen for movement transversely of the direction of platen advance, a toggle mounted to travel with said platen and disposed at the rear thereof for movement of its joint toward and from the shiftable platen, means operatively connecting said locking means to said toggle to project the said locking means to operative position by expansion of the toggle by advance of its joint forward toward said platen, keeper abutment means adjustable along the line of platen advance and engageable by said locking means to lock the platen against retraction, gauge means comprising a gauge block located between a rear face of the platen and the toggle joint, guide means borne by the platen and supporting said block for sliding transversely of said line of advance into and out of an operative position, and stop means connected to the toggle joint and advanceable therewith to engage said block when the latter is in operative position, for limiting expansion of the toggle to hold said locking means in a position to determine adjustment of the abutment means into proper initial relation to the locking means for coaction therewith in subsequent operation of the machine, said block being formed and arranged to afford clearance when in inoperative position for further advance of the toggle joint to project the locking means.

2,298,044
MOLDING MACHINE
Richard W. Dinsl, Westfield, N. J., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey
Application July 31, 1940, Serial No. 348,619
7 Claims. (Cl. 18—16)



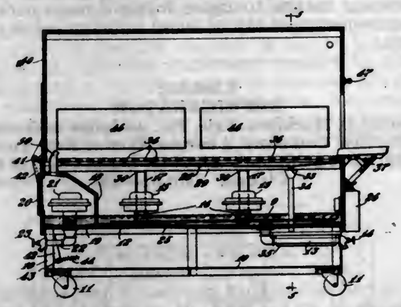
1. In a molding machine, the combination of two die-supporting platens, one of said platens being shiftably mounted, power means for advancing the shiftable platen toward and retracting it from the other platen, an ejector device and operating means for said device, a unit comprising a body, a cam borne by said body in a fixed position thereon and an electric switch for control of said power means also borne by said body and secured in a fixed position thereon and including a shiftable operating member; a fixed support for said unit supporting the latter for adjustment along the line of said platen advance and retraction and having a row of apertures extending along said line; fastening means selectively engageable with said apertures for approximate adjustment and securement of the unit at different positions along said line, the adjustment of the unit adjusting said cam and switch in unison and to the same degree along said line; means rendering said unit adjustable along said line relatively to said fastening means for finer adjustment of the unit; and a trip mounted to travel with said shiftable platen, said ejector-operating means being engageable with said cam of the unit and operable thereby, upon said platen retraction, to cause ejection of a casting from a die supported by one of said platens, said trip being engageable with said switch-operating member to operate the switch upon said platen retraction, for limiting retraction, and the adjustment of said unit determining said limit and timing the occurrence of said ejection.

2,298,045
OPTICAL COMPENSATING DEVICE
Frans F. Ehrenhaft, New York, N. Y.
Application January 31, 1940, Serial No. 316,488
4 Claims. (Cl. 88—16.3)



4. In a cinematographic projector a curved film gate, a light source for projecting a film through said film gate, a rectifying prism having a plurality of pairs of plane-parallel faces in front of said film gate, an idler sprocket engaging said film after the same has passed said film gate, said idler sprocket being rotated by said film and being connected with said prism so as to rotate the same while the film is moving, an idler roller between said curved gate and said idler sprocket, said idler roller being adjustable in a direction normal to its axis of rotation, and a driving sprocket engaging said film after the same has passed said idler sprocket, and means for rotating said driving sprocket only.

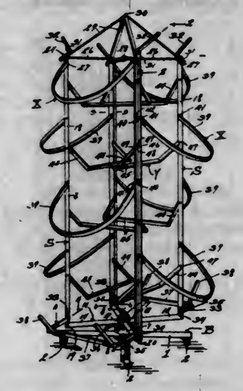
2,298,046
APPARATUS AND METHOD FOR USE IN FEVER THERAPY
John H. Emerson, Cambridge, Mass.
Application June 11, 1940, Serial No. 339,843
5 Claims. (Cl. 128—373)



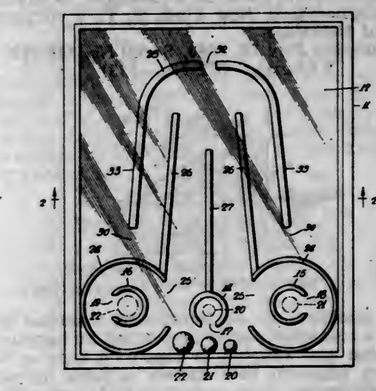
1. Method of fever therapy comprising heating a body of water to from 100° to 130° F., breaking up a portion of said water into finely divided fog-like particles, conveying said particles to a chamber in which the patient's body is enclosed to thereby subject the body of the patient to said heated, finely divided fog-like particles, and returning the water which collects on the walls of the patient-enclosing chamber to said body of heated water, whereby the temperature of said chamber is elevated to and maintained at from 100° to 130° F.

2,298,047
DISPLAY STAND
Frederick S. Erdman, Quakertown, Pa.
Application November 23, 1940, Serial No. 366,909
2 Claims. (Cl. 248—146)

1. In a metallic knock-down display stand including pairs of spaced parallel columns each being V-shaped in cross section and having their apexes inwardly disposed, said columns having spaced and alined slots through their flanged portions, detachable U-shaped and substantially U-shaped receptacle supporting members extending in opposite directions from the columns and having their ends provided with laterally directed ears adapted for engagement through the slots of the columns, the outer end portions of the U-shaped and substantially U-shaped members being resilient with a constant urge to spread out when in applied position.

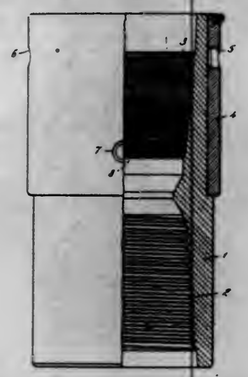


2,298,048
PUZZLE
John J. Fleming, Pelham, N. Y.
Application April 15, 1942, Serial No. 439,022
6 Claims. (Cl. 273—113)



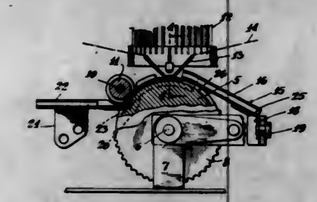
2. A puzzle comprising a tray, partitions in said tray forming a plurality of spaced substantially aligned circular pockets with respective entrance openings, a corresponding number of balls in said tray which may be rolled through said openings into respective pockets, a U-shaped partition having its two ends spaced from the two outside pockets to form openings for the passage of the balls therethrough, and a plurality of partitions within said U-shaped partition and defining with said latter partition a series of tortuous predetermined passageways for the balls extending from said last-mentioned openings to the entrance openings of said pockets.

2,298,049
TOOL JOINT
Robert Irving Gardner, Bakersfield, Calif., assignor to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware
Application November 26, 1940, Serial No. 367,228
2 Claims. (Cl. 308—4)



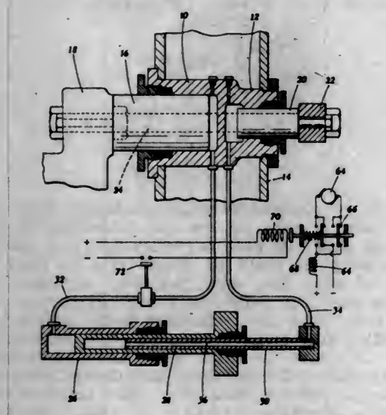
1. An improved tool joint for rotary well drilling apparatus comprising a main cylindrical body portion of strong, tough steel of moderate hardness having secured thereto and integral therewith a relatively thick outer wear resisting sleeve of austenitic manganese steel, the composition of which is work hardening whereby an extremely hard and tough abrasion resisting layer is formed thereon in use.

2,298,050
GUIDE
Aquila Giles, New York, N. Y., assignor to Trans-Lux Corporation, New York, N. Y., a corporation of Delaware
Application July 18, 1940, Serial No. 346,100
5 Claims. (Cl. 197—133)



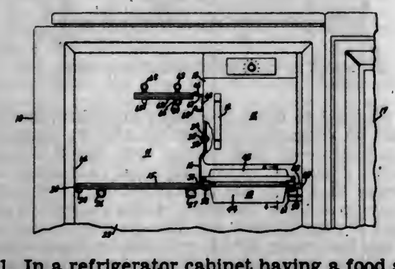
1. In combination, an imprinting machine including a rotatable platen presenting an imprinting station and adapted to support a tape on its periphery adjacent said station, a guide including an elongated tape-mounting body extending generally transverse with respect to the axis of rotation of the platen, said guide moreover extending towards the imprinting station of said platen and away from such station, said body embracing a chute portion terminating short of said imprinting station, a further chute portion disposed beyond such station and side walls connecting said portions, said side walls being spaced a distance greater than the width of said platen and lying one adjacent each of the side faces of the latter and having portions extending beyond the periphery of the same whereby to prevent sidewise displacement of the tape from said platen.

2,298,051
ELECTRIC FLASH WELDING MACHINE
Samuel Hunter Gordon and William Forbes Young, Inverness, Scotland
Application January 18, 1941, Serial No. 375,074
In Great Britain January 11, 1940
6 Claims. (Cl. 60—54.5)



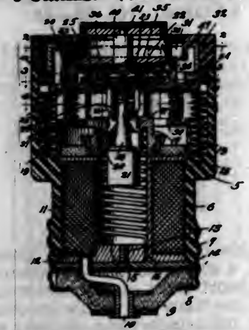
1. A hydraulic system comprising in combination hydraulic ram means operable in a forward direction and in the reverse direction, a mechanically driven reversible pump for supplying liquid under pressure to said hydraulic means, reversing means for said pump and a device sensitive to variation in the liquid pressure causing the forward movement for actuating the reversing means to cause reverse movement as a consequence of rise of liquid pressure above a predetermined limit and for again actuating said reversing means to cause forward movement as a consequence of fall of liquid pressure below said limit.

2,298,052
REFRIGERATOR
George C. Harbison, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application January 29, 1941, Serial No. 376,491
2 Claims. (Cl. 62—89)



1. In a refrigerator cabinet having a food storage compartment, a cooling element disposed therein, a food storage receptacle disposed beneath said element and a shelf member arranged between the receptacle and a wall of the compartment, means for supporting the receptacle and the shelf member including a member associated at one end with the shelf and the receptacle and secured at the other end to the cooling element, said member being formed of a material having relatively poor heat conductivity characteristics.

2,298,053
AUTOMATIC CIRCUIT BREAKER
John Hilmar Heiland, Newark, Ohio, assignor of one-third to William M. Pearson, Newark, Ohio
Application January 25, 1940, Serial No. 315,608
5 Claims. (Cl. 200—106)



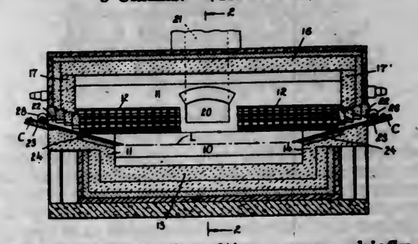
1. An automatically controlled circuit breaker comprising a body portion adapted to be screwed into a fuse plug socket of an electric circuit, a stationary contact member within the body portion, a movable contact member within the body portion and adapted to complete a circuit with the stationary contact member, a solenoid in the circuit with the contact members and mounted within the body portion, said solenoid including an armature embodying a stem formed with a cam surface, a movable member within the body portion, spring fingers carried by the movable member and normally engaging the cam surface, said fingers adapted to expand by movement of the fingers over the cam surface of the armature stem of the solenoid, connecting the movable member and movable contact member, means for moving the movable member whereby the movable contact member is moved into engagement with the stationary contact member, completing a circuit, and said solenoid adapted to disengage the fingers releasing the fingers when an abnormal condition occurs in the circuit, and means for operating the movable contact member to disengage the stationary contact member, breaking the circuit.

2,298,054
MOTOR VEHICLE
Roy C. Howell, Lakewood, Ohio
Substitute for abandoned application Serial No. 255,725, February 10, 1939. This application August 3, 1940, Serial No. 350,899
3 Claims. (Cl. 180—74)



1. A motor vehicle comprising a frame, an axle carried by the frame, a pair of spaced traction wheels mounted on said axle and provided with pneumatic tires, a supporting platform overlying said axle between the traction wheels and closely adjacent said axle and mounted upon the frame to swing about a horizontal axis parallel with the axle and forwardly thereof, a motor mounted upon said platform and having a shaft projecting laterally beyond opposite sides thereof and overlying the peripheral portions of the traction wheel tire treads substantially in vertical alignment with the axle, a spring engaging the under side of said platform for normally holding said platform in an elevated position in which said shaft is disengaged from the wheels, a cam mounted in the frame and engageable with said platform to depress the same in opposition to said spring, and means for operating said cam.

2,298,055
MELTING COPPER
Philip M. Hulme and Robert A. Ghelardi, Perth Amboy, N. J., assignors to International Smelting and Refining Company, a corporation of Montana
Application April 5, 1941, Serial No. 386,986
8 Claims. (Cl. 75—65)



1. The method of melting copper chiefly by radiant heat which comprises exposing solid, relatively cold copper to be melted to a source of radiant heat at a temperature at least approximately as high as the melting temperature of copper, maintaining the solid copper thus exposed until it is heated to a temperature approaching its melting temperature, whereby advantage is taken of the relatively high emissivity of solid copper in heating the copper from its initial temperature to the temperature approaching its melting point, and thereafter introducing the heated but still solid copper into a bath of molten copper wherein said heated solid copper is melted by heat transferred to said bath chiefly by radiation.

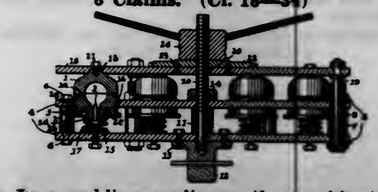
2,298,056
RAZOR ATTACHMENT
Norman L. Kearney, Buffalo, N. Y.
Application March 5, 1940, Serial No. 322,294
1 Claim. (Cl. 30—41)



As an article of manufacture, a receptacle for

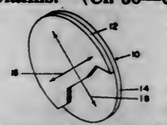
hair cuttings adapted for slidable fitting engagement in the open-ended cutter head chamber of an electric razor, said receptacle being formed from an elongate strip of material bent intermediately of its ends to provide two upstanding end closure portions and also a handle, said handle being adapted to at all times extend beyond one end of said cutter head chamber and said receptacle being insertible and withdrawable as a unit from either of the open ends of said chamber with the end closure portion remote from said handle, during such sliding movement, functioning as a wiper to wipe clean the chamber walls.

2,298,057
MOLD STRUCTURE
Gustav R. Kelm, Paterson, N. J.
Application February 14, 1940, Serial No. 318,819
8 Claims. (Cl. 18—34)



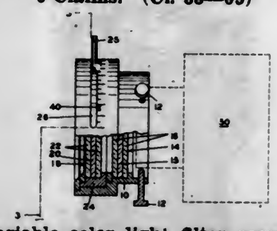
4. In a molding appliance, the combination of a structure including two fixedly related plate-like members arranged in spaced substantially parallel planes and one having an opening therethrough facing the other member, a mold section arranged and universally tiltable in said opening and facing away from said other member, elastic supporting means interposed between said mold section and said other member, a structure opposite said mold section and including a mold section in fixed relation to the second-named structure and in registry, and coactive to form a mold space, with the first-named mold section, and releasable means, connecting said other member and the second-named structure, for urging them together and thereby holding the registering mold sections pressing against each other, said first-named member limiting the movement of the first-named mold section from the second-named member when said releasable means is made to release the latter and said second-named structure.

2,298,058
LIGHT-POLARIZING DEVICE
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application June 20, 1941, Serial No. 398,913
17 Claims. (Cl. 88—65)



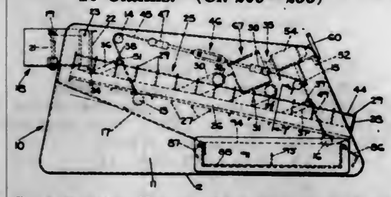
1. A light-polarizing device in sheet form comprising, in combination, means providing a dichroic, light-polarizing layer adapted to show maximum dichroism in a predetermined wavelength band less than the entire visible spectrum, and means providing a second dichroic, light-polarizing layer overlying said first named layer and adapted to show maximum dichroism in light of a different, predetermined wavelength band from said first named layer, the respective transmission axes of said light-polarizing layers being substantially at right angles to each other.

2,298,059
COLOR CORRECTION FILTER EMPLOYING LIGHT-POLARIZING MATERIAL
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application November 8, 1941, Serial No. 418,392
9 Claims. (Cl. 88—65)



1. A variable color light filter comprising, in combination, a dichroic, light-polarizing element adapted to absorb light of a predetermined wave length band less than the visible spectrum, a second dichroic, light-polarizing element adapted to absorb light of a predetermined wave length band less than the visible spectrum and different from the band polarized by said first named element, the density of each of said elements for the light component absorbed thereby being not greater than a predetermined maximum, said maximum being such that a substantial portion of said component is transmitted, barrel means providing a common mounting for said polarizing elements, said elements being mounted in substantially parallel relation with their respective transmission axes relatively perpendicular, a third polarizing element adapted to polarize substantially uniformly throughout the visible spectrum, and means for producing relative rotation between said third polarizing element and said first two polarizing elements.

2,298,060
SCREEN
Charles I. Lattig, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application August 30, 1939, Serial No. 292,673
10 Claims. (Cl. 209—255)

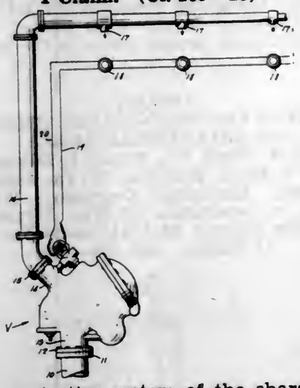


1. In a screen, the combination with a frame, of a screening deck, means for vibrating said screening deck with a rectilinear motion, flexible tensioned fabric strap means supporting said deck for vibration, said strap means being tensioned along axes substantially at right angles to the axis of said rectilinear motion, and means for tensioning said fabric strap means independently of the weight of said deck.

10. In apparatus of the class described, the combination with a frame, of a screen on said frame, means below said screen for catching material passing therethrough including a pan having side walls extending from one side of said screen to the other side thereof, said pan having one permanent end closure with the other end open to discharge material laterally of said

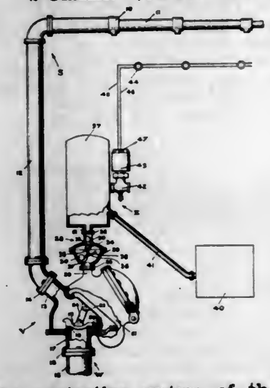
frame, means including supports on said frame for supporting said pan for sliding movement with the end closure thereof alternately on opposite sides of said frame, said frame having similar openings on opposite sides thereof to receive the pan in reverse positions.

2,298,061
FIRE PREVENTIVE SYSTEM
Leroy M. Lewis, Rosemont, Pa.
Application August 20, 1940, Serial No. 353,327
1 Claim. (Cl. 169—16)



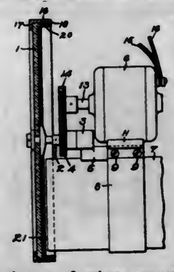
A fire protective system of the character described comprising a dry pipe water conduit system including open spray heads, a supply of water under pressure, a valve interposed between and connecting said dry pipe system and said water supply, means controlling said valve including fusible holding means, a thermostat disposed in the area to be protected from fire, and electrical operating connections between said thermostat and said valve control means for fusing said fusible holding means when a rise in temperature actuates said thermostat.

2,298,062
FIRE PROTECTIVE SYSTEM
Leroy M. Lewis, Rosemont, Pa.
Application December 20, 1940, Serial No. 370,926
2 Claims. (Cl. 169—17)



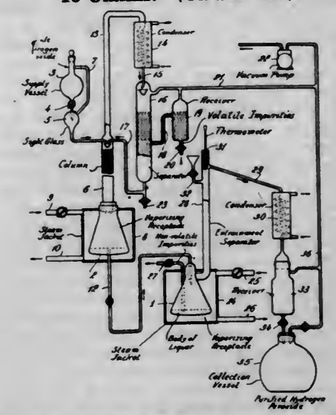
2. A fire protective system of the character described, comprising a dry pipe conduit system including an open spray head, a supply of water under pressure, a control valve interposed between said supply of water and said dry pipe conduit system, and including a pressure closing chamber and a pressure opening chamber, a supply of air under pressure in communication with said closing chamber, a pressure relieving valve in communication with said pressure closing chamber, a thermostat and instrumentalities under the control of said thermostat for instantaneously opening said pressure relieving valve to vent air from said pressure closing chamber.

2,298,063
CLEAR VISION DEVICE
Roy G. MacPherson, Framingham, Mass.
Application April 3, 1940, Serial No. 327,673
7 Claims. (Cl. 88—1)



1. A clear vision device comprising a base, a motor thereon, means for operating said motor, an optical system, including a lens barrel provided with lenses mounted on the base, and a rotatable transparent moisture-intercepting disk-like member driven by said motor and eccentrically mounted relative to said lenses, whereby moisture and foreign matter are driven radially from said lenses.

2,298,064
CHEMICAL MANUFACTURE
Robert B. MacMullin, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application December 29, 1939, Serial No. 311,464
13 Claims. (Cl. 202—52)



1. In the purification of aqueous hydrogen peroxide containing a minor proportion of non-volatile impurities, the improvement which comprises vaporizing water and hydrogen peroxide under a subatmospheric pressure from a body of liquor comprising aqueous hydrogen peroxide to which the hydrogen peroxide solution to be

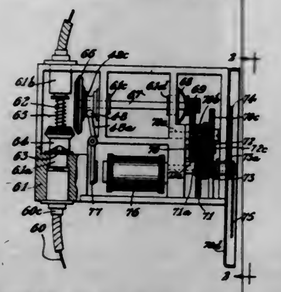
purified is supplied while maintaining in said body of liquor a substantial hydrogen peroxide concentration not exceeding 75% H_2O_2 by weight on said body of liquor at a rate sufficient to limit the holding time in said body of liquor to a maximum of 30 minutes, periodically purging said body of liquor to eliminate accumulating non-volatile impurities, and condensing the vapors to form the purified aqueous hydrogen peroxide.

2,298,065

BRAKE TESTER DEVICE FOR AUTOMOBILES OR LIKE VEHICLES

Philip Meshberg, New York, N. Y.

Application July 28, 1937, Serial No. 156,175
4 Claims. (Cl. 73—51)



1. In a brake tester device for indicating distance an automobile or like vehicle has traveled after the stopping means of said vehicle had been applied, a flexible shaft revoluble through the medium of the road wheel of said vehicle, a rotatable member made revoluble by said flexible shaft, a pin attached to said rotatable member, a first bevel gear having an inverted V-base resting upon said pin, a spring holding said bevel gear resiliently in position upon said pin, a rod shaft in said device, a second spring mounted on said rod shaft; a second bevel gear mounted on said rod shaft, said second bevel gear in operable engagement with said first bevel gear, said engagement occurring when said rod shaft with said second bevel gear thereon is moved forward, an electro-magnet in said device having an armature contiguous to said rod shaft for impelling said rod shaft and said second bevel gear forward, an electric circuit connected with said electro-magnet, said circuit controllable on the application of said stopping means, a pinion gear on said rod shaft, a train of gears engaged with said pinion gear, spring resetting means included in said train of gears, pointer indicator means in said device whereby distance of travel of said vehicle may be indicated from the time said stopping means is applied, said train of gears in operable engagement with said pointer indicator means; said second bevel gear on said rod shaft staying in light engagement with said first bevel gear after the stopping means have been released and the circuit to said electro-magnet broken, said second spring causing a light resilient horizontal pressure upon said rod shaft and second bevel gear integral thereto away from said first bevel gear, means operative on the restarting of said vehicle and including said spring on said rod shaft for causing backward movement of said rod shaft and said second bevel gear and the disengagement of said second bevel gear from said first bevel gear, and means including said spring resetting means for resetting said pointer indicating means to zero position on the disengagement of said bevel gears.

2,298,066

MINERAL OIL GELS

Winton I. Patnode, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Original application May 28, 1938, Serial No. 210,798. Divided and this application April 1, 1941, Serial No. 386,307
7 Claims. (Cl. 260—32)

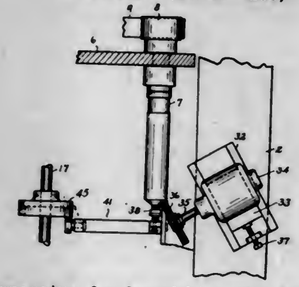
1. A stable, non-fusible, elastic gel composition comprising a heat treated mixture of at least 80 per cent by volume of petroleum oil and a minor portion of a polymerizable ester of an acid selected from the group consisting of acrylic acid and α-substituted acrylic acids having at least two polymerizable double bonds in the molecule.

2,298,067

APPARATUS FOR BURNISHING SHOULDERS OF COLLAPSIBLE TUBES

Archibald W. Paull, Sr., Alonzo L. Edwards, and Walter T. Davis, Wheeling, W. Va., assignors to Wheeling Stamping Company, Wheeling, W. Va., a corporation of West Virginia

Application January 16, 1941, Serial No. 374,640
11 Claims. (Cl. 51—108)



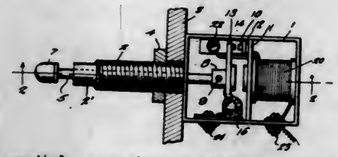
1. Apparatus for burnishing the shoulders of collapsible tubes wherein the tube has a neck portion, a shoulder portion and a body portion comprising a rotatable mandrel and a cooperating rotatable buffing wheel positioned to engage the full width of the shoulder of a tube when the tube is positioned on said mandrel.

2,298,068

ELECTROMAGNETIC SWITCH

Lyle F. Pierce, Watsonville, Calif.

Original application February 16, 1940, Serial No. 319,362, now Patent No. 2,556,688, dated September 9, 1941. Divided and this application August 26, 1941, Serial No. 408,388
1 Claim. (Cl. 200—87)



In a switch, a casing, a stationary contact in said casing, a contact carrying switch arm pivoted to one side of the casing for swinging movement toward and from the stationary contact to engage and disengage the contact thereon with the stationary contact, respectively, a spring operatively connected to said arm to move the same toward said stationary contact, means to move said arm from said stationary contact, comprising a plunger slidably mounted in said casing for

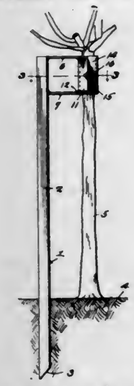
advance and retraction and extending past said arm, said plunger having a disk-like end flange for engagement with said arm upon retraction of the plunger, means to retract the plunger comprising a spring stronger than said first-mentioned spring, and means to retain said plunger advanced comprising an electromagnet.

2,298,069

TREE SUPPORT

George H. Reading, Vallejo, Calif.

Application July 1, 1941, Serial No. 400,667
2 Claims. (Cl. 47—43)



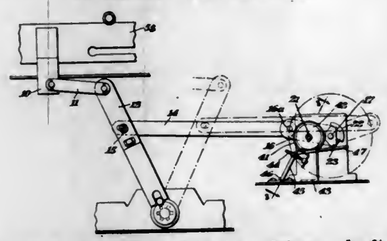
1. In a support for growing vegetation, an angle member stake embodying flanges, a transverse arm having a pointed portion secured in the angle defined by the flanges, the upper end surface of the stake being exposed, to receive the impact of a driving tool; the upper surface of the pointed portion of the arm being flush with the upper end surface of the stake, and the arm being practically as wide as the stake, to prevent a driving tool from being damaged by contact with the stake; and means assembled with the arm for supporting growing vegetation.

2,298,070

VOTING MACHINE

Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware

Original application January 12, 1939, Serial No. 250,478. Divided and this application April 10, 1941, Serial No. 387,833
11 Claims. (Cl. 192—142)



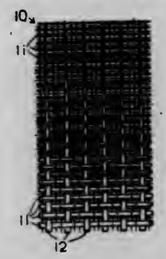
1. In a voting machine, a driven shaft, an electric motor for driving said shaft, a pair of motor energizing circuits each containing a pair of spaced contacts, a guide extending between said pairs of contacts, a single circuit-completing member capable of solely bridging either pair of contacts, said member being movable along said guideway from bridging relation with either pair of contacts out of bridging relation to said contacts and into bridging relation to the remaining pair of contacts, and means actuated by said driven shaft for effecting movement of said member along said guide.

2,298,071

STIFFENED FABRIC

Albert Faris Smith, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application October 18, 1940, Serial No. 361,783
14 Claims. (Cl. 139—420)



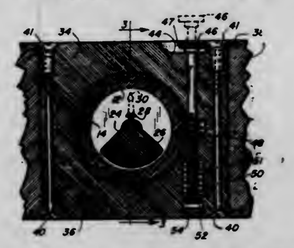
1. A woven fabric containing, as stiffener elements, monofils consisting principally of synthetic linear polyamide, said monofils varying in their respective diameters and having heat-set crimps therein to prevent slippage out of said fabric and having a count of 20 to 150 ends per inch, each of said monofils having a substantially constant denier in the range from 50 to 600, a capacity for recovering from bending of at least 85%, and a modulus of bending elasticity of at least 0.3×10^6 lbs./sq. in. at 50% relative humidity.

2,298,072

INCLINOMETER

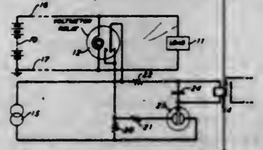
Wayne F. Somerville and Virgil N. Wawers, Spokane, Wash.

Application September 23, 1941, Serial No. 411,980
3 Claims. (Cl. 33—215)



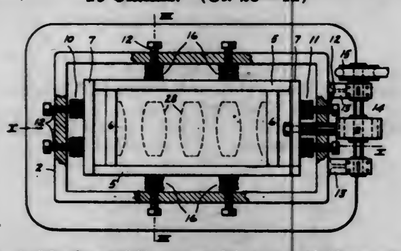
1. An inclinometer comprising a rectangular member having a bore through it transversely and a slot intersecting said bore, means in said slot forming a journal axially aligned with said bore, a cylindrical barrel mounted for rotation in said journal means, a gravity actuated pendulum indicator means mounted for rotation in said barrel, graduated indicia means associated on said barrel, a gear segment on the outer wall of the barrel, a worm associated with said gear segment on the barrel, a shaft splined to said worm for axial movement with relation thereto, and means for normally maintaining said shaft retracted within said rectangular member.

2,298,073
ELECTRIC CIRCUITS
John R. Stone, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 8, 1941, Serial No. 401,459
6 Claims. (Cl. 175—320)



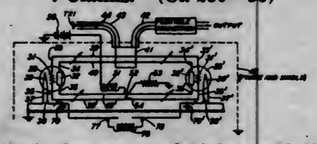
1. In combination, a source of direct current, a load connected thereto, a relay having an operating coil responsive to variations in said load, a translating device, a source of high voltage alternating current, and means controlled by the operating coil of said relay for effectively connecting said translating device to said source of alternating current when the operating coil of said relay responds to a load variation of predetermined value, said means comprising a pair of low current carrying capacity contacts controlled by the operating coil of said relay and connected across said source of alternating current in series with a high resistance for limiting the current carried by said contacts when operated to closed position, and a gas-filled tube having a pair of control electrodes included in the circuit with said contacts and an anode circuit including the operating winding of said translating device.

2,298,074
MANUFACTURE OF CONCRETE BUILDING BLOCKS
Francis J. Straub, New Kensington, Pa.
Application October 7, 1941, Serial No. 413,963
16 Claims. (Cl. 25—41)



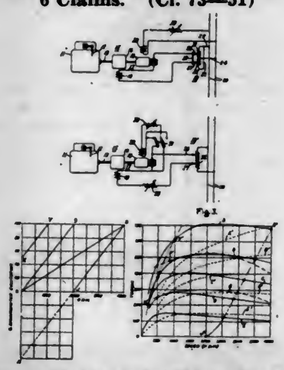
5. A block molding machine consisting of an aggregate containing casing provided with a loosely mounted floating trowelling plate, cushioning springs at opposite ends thereof, and a one way impeller for the plate.

2,298,075
RADIO FREQUENCY OSCILLATOR
William C. Tinus, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 5, 1941, Serial No. 418,335
7 Claims. (Cl. 250—36)



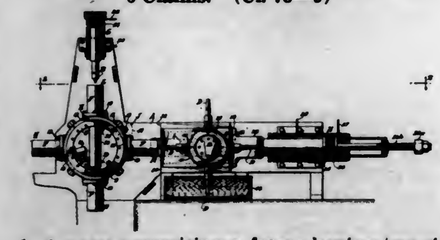
3. A high frequency electric oscillation generator which comprises two symmetrical electron discharge devices each having at least two electrodes, each of said electrodes having oppositely located external terminals, said devices being connected in push-pull through one terminal of each of said electrodes, said devices being independently connected in push-pull through the opposite terminal of each of said electrodes.

2,298,076
ELECTRIC DYNAMOMETER
Max A. Whiting, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 26, 1940, Serial No. 347,746
6 Claims. (Cl. 73—51)



1. In combination in a testing device, an electric dynamometer including a rotary element and an operating winding for controlling the absorption capacity of said dynamometer, said rotary element being adapted to be driven by a mechanical power producing member to be tested, means comprising a plurality of independent voltage sources adapted to be connected in series relation with each other for supplying current to said winding, one of said voltage sources producing a voltage which varies in accordance with the speed of said dynamometer and the voltage derived from said other source being adjustable in magnitude, whereby the slope of the torque curve of said dynamometer may be modified in accordance with said speed variations to stabilize the operation of said testing device, and single means including a potentiometer in circuit with said winding for selectively connecting said voltage source in additive or subtractive relation and for adjusting said adjustable voltage.

2,298,077
PRESS
Claude A. Witter, Philadelphia, Pa.
Application April 6, 1940, Serial No. 328,231
6 Claims. (Cl. 78—9)



1. A press comprising a frame having two side slabs, a fixed tubular platen, and means for fixedly securing said platen between said side slabs to tie them together in spaced relation, a ring-like die carrier rotatably mounted on said platen, a plurality of dies radially mounted on said carrier and disposed at spaced intervals annularly thereof, means for imparting step-by-step rotary movement to said carrier, and a power punch ram carried by the frame and disposed so as to move in and out radially of the axis of rotation of said carrier, said step-by-step rotary movement effecting radial alignment of the dies, with the punch ram, successively.

2,298,078
PLASTIC MASSES SIMILAR TO FACTICE AND LINOXYN
Werner Wolff, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 5, 1939, Serial No. 288,593. In Germany August 15, 1938
5 Claims. (Cl. 260—23)

1. Plastic masses similar to factice and linoxyn comprising interpolymerisation products of at least a vinyl ether having a plurality of vinyl groups in the molecule and of esters of saturated alcohols with tall oil.

2,298,079
COATING FOR METALS EXPOSED TO CORROSION AND ABRASION
Gale L. Adams, San Marino, and Ronald A. Baker, Los Angeles, Calif., assignors to Socony Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 11, 1941, Serial No. 382,780
2 Claims. (Cl. 117—29)

1. The method of protecting metal surfaces exposed to corrosion by acid or sulfurous vapors, to abrasion by impinging particles, and to heat which consists in applying to said metal a coating formed of approximately 100 parts litharge and 27.5 parts glycerine and embedding grains of abrasion-resisting solids in the exposed surface of said coating.

2,298,080
LUBRICATING OIL FOR DIESEL ENGINES
Philip S. Clarke, Palos Verdes Estates, and Marcellus T. Flaxman, Inglewood, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application November 19, 1940, Serial No. 366,236
14 Claims. (Cl. 252—39)

1. A lubricating oil for breaking-in internal combustion engines comprising mineral lubricating oil of high viscosity index containing a minor proportion of esters of lower aliphatic alcohols from synthetic acids produced by the oxidation of paraffin wax, and a minor proportion of the calcium soap of phosphonic acids prepared from high viscosity index mineral lubricating oils.

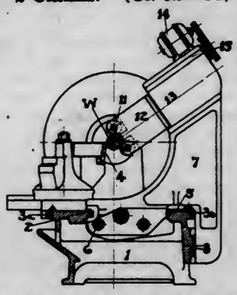
2,298,081
APPARATUS FOR ARRANGING MUSICAL COMPOSITIONS
Edgar A. Cohen, Brooklyn, N. Y., assignor, by mesne assignments, to Cherio Music Publishers, Inc., New York, N. Y., a corporation
Application September 17, 1940, Serial No. 357,087
2 Claims. (Cl. 84—471)

1. Apparatus of the type described comprising in combination, a base member, a plurality of spaced grooves extending transversely of the base member, non-photograhpic position indicating means extending across the surface of the base member in angular relation to said grooves, bars for removable attachment in said grooves in spaced relation to form the bars and spaces of



the musical staff, transparent character bearing elements adapted to be positioned upon the base member in definite relation with the said non-photographic position indicating means and said bars, and means for retaining said transparent character bearing elements in position upon said base member.

2,298,082
BACK REST CARRIAGE FOR LATHES
Frederick S. Floeter, Saginaw, Mich., assignor to Wickes Bros., Saginaw, Mich., a corporation of Michigan
Application May 16, 1941, Serial No. 393,739
2 Claims. (Cl. 82—38)

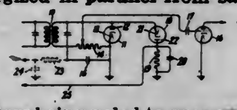


1. In a lathe comprising a bed with front and back ways supporting a tool slide traversable lengthwise of the bed and carrying a tool holder; additional front ways and back ways on said bed; a back-rest mounted on said additional ways, the base portion of the back-rest having an opening into which the tool slide extends and presenting clearance space wherein the tool slide may be traversed a limited distance without moving the back-rest; portions of the back-rest being arranged for engagement by the tool slide upon termination of such limited traverse and for imparting identical traverse to the back-rest when further traverse is imparted to the tool slide.

2,298,083
CONTROL CIRCUITS
George W. Fyler, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application November 4, 1940, Serial No. 364,160
14 Claims. (Cl. 250—20)

12. In combination with means for supplying

carrier waves modulated by desired signal waves and subject to undesired noise interference, a signal detection circuit serially comprising said means, a signal detector and an output impedance adapted to have the demodulated signals developed thereon, a noise suppression circuit serially comprising said means, said impedance, a noise detector and a capacitance, said circuits being energized in parallel from said means and



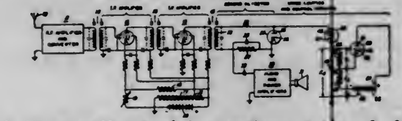
said detectors being poled to pass current through said output impedance in opposite directions when conductive, a resistance and a source of unidirectional potential connected in series across said capacitance, and means comprising said noise detector, said capacitance and said resistance for impressing a negative bias on said noise detector substantially corresponding to the peak modulation level of said carrier waves, said source being poled to oppose said bias.

2,298,084

NOISE LIMITING CIRCUIT

George W. Fyler, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application June 14, 1941, Serial No. 398,088
15 Claims. (Cl. 250—20)



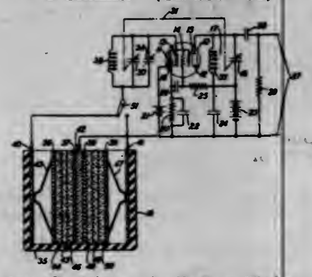
1. In a radio receiving system, a signal channel normally operative for the translation of signal voltages, signal-responsive means for establishing a threshold limiting level controlled by said voltages and for disabling said channel in response to a transient noise impulse exceeding said level, said means tending to restore said channel toward operative condition following said impulse at a time rate dependent upon the instantaneous magnitude of said level, and means responsive to the instantaneous magnitude of said threshold lever for maintaining said time rate substantially constant irrespective of said level.

2,298,085

PIEZOELECTRIC OSCILLATOR

Lawrence F. Koerner, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 2, 1941, Serial No. 386,457
5 Claims. (Cl. 250—36)



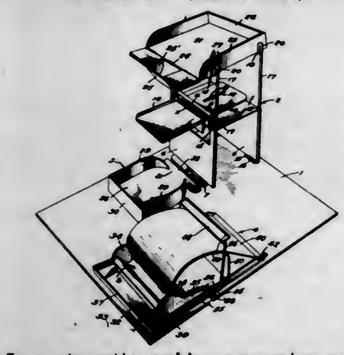
1. A piezoelectric controlled oscillator comprising an electron discharge device having a plurality of electrodes, a tuned input circuit and a tuned output circuit which are electrically uncoupled to each other except through the electron discharge device, each of said circuits including an inductance element and a capacity element, the inductance element of the input circuit having a magnitude smaller than the inductance element of the output circuit and the capacity elements of the two circuits being of substantially equal magnitude, a piezoelectric element having two terminals connected respectively to two of the electrodes of the electron discharge device and means mechanically connected to the capacity elements to simultaneously vary their magnitudes in the same direction whereby as the tunings of the circuits vary the input circuit always exhibits positive reactance at the resonance frequency of the output circuit.

2,298,086

TOBACCO WEIGHING SCALE

George L. Rogers, Inglewood, Calif., assignor to Ione B. Rogers, Inglewood, Calif.

Application June 11, 1941, Serial No. 397,614
2 Claims. (Cl. 265—49)



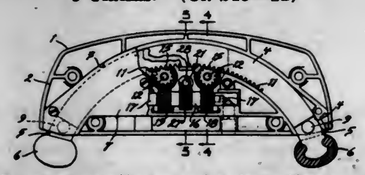
1. In a cigarette making apparatus means for separating tobacco into portions of equal volume comprising a balancing pan formed with a medial transverse crimp to provide a pivoting surface and a feeding platform positioned above and adjustable transversely with respect to the pivoting surface of the balancing pan, said platform having a discharge lip for feeding tobacco to a predetermined position on the balancing pan for each adjustment of said platform.

2,298,087

ADJUSTABLE SUPPORT MECHANISM

Bruno Stechbart, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois

Application August 2, 1940, Serial No. 349,801
3 Claims. (Cl. 248—11)



1. In a supporting mechanism, the combination with a frame provided with an elongated arcuate bearing, of a correspondingly longitudinally arcuate leg engaged in said bearing for

corresponding longitudinal arcuate movement to variably extend from said frame and provided with a corresponding longitudinal arcuate spur gear rack, a spur gear rotatably mounted on said frame and meshing with said rack, and manually actuated self-locking worm gearing rotatably mounted on said frame and operative on said spur gear.

2,298,088

TOBACCO PRODUCT

Roger Lawson Swain, Danville, Va.

No Drawing. Application November 19, 1940, Serial No. 366,300
4 Claims. (Cl. 131—17)

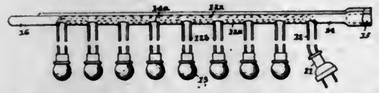
4. A smoking mixture including tobacco impregnated with extract of ginseng.

2,298,089

CHRISTMAS TREE DECORATION

Nicholas Veenboer, Paterson, N. J.

Application July 25, 1940, Serial No. 347,429
1 Claim. (Cl. 240—10)



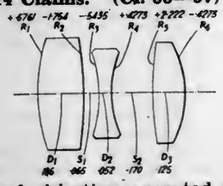
In a Christmas-tree decoration, the combination of a fillet existing as a tubular sheath existing flexible and free to flex at substantially all points in its length and having lengthwise displaced apertures and also having one end formed as an axial socket and the other end as a tongue to enter the socket, lamps arranged lateral of and remote from the fillet and each containing an illuminating resistance, and flexible insulated electro-conductive means forming with the resistances an electric circuit and having insulated segments thereof extending through the respective portions of the fillet alternating with its apertures and insulated segments thereof intervening between the first-named segments reaching laterally from the fillet through the respective apertures and containing the resistances.

2,298,090

OPTICAL OBJECTIVE

Arthur Warmisham, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain

Application August 1, 1940, Serial No. 349,143
In Great Britain August 2, 1939
14 Claims. (Cl. 88—57)



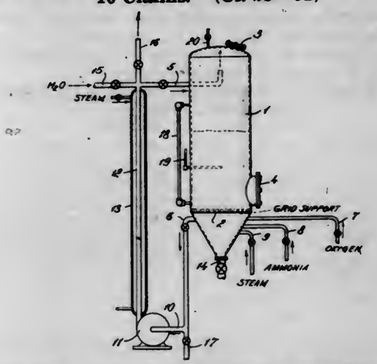
1. An optical objective corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, and comprising two outer collective components and a dispersive component between such collective components, the three components being axially aligned and each consisting of a simple element, the glass used for one of the collective components having a mean refractive index greater than 1.75 whilst at least one of the other two components is made of glass having a mean refractive index less than 1.7, the total axial length of the objective between the front surface of the front component and the rear surface of the rear component lying between .35 and .70 times the equivalent focal length of the objective.

2,298,091

SOLUTION OF VANADIUM FROM VANADIUM OXIDE MIXTURES

William Charles Cooper, Jr., Jenkintown, Pa., and Alver Dunbar, Baltimore, Md., assignors, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York

Application March 11, 1941, Serial No. 382,812
16 Claims. (Cl. 23—51)



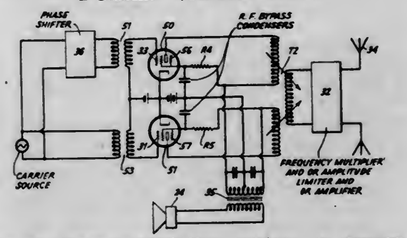
16. The method of dissolving vanadium from a vanadium oxide mixture, which comprises contacting the vanadium oxide mixture with a hot aqueous ammoniacal solution and oxygen under an absolute oxygen pressure of at least 10 pounds per square inch.

2,298,092

PHASE MODULATION

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application October 6, 1938, Serial No. 233,539, now Patent No. 2,250,296, dated July 22, 1941, which is a division of application Serial No. 690,330, September 21, 1933, now Patent No. 2,165,229, dated July 11, 1939. Divided and this application November 28, 1940, Serial No. 367,545
1 Claim. (Cl. 179—171.5)



In a phase modulation system, a source of wave energy of carrier wave frequency, a source of modulating potentials, a pair of electron discharge devices each having an anode, a cathode, an auxiliary grid and a control grid, a first transformer having a secondary winding coupled to the control grid and cathode of one of said devices, said transformer having a primary winding coupled to said source of wave energy, a phase

shifter having an input coupled to said source of wave energy, said phase shifter having an output, a second transformer having a primary winding coupled to the output of said phase shifter, said second transformer having a secondary winding coupled to the control grid and cathode of the other of said devices, transformer means coupling said source of modulating potentials differentially to the auxiliary electrodes of said devices and to the anodes of said devices, and a load circuit coupled to the anodes of said devices.

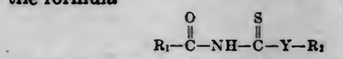
2,298,093

PRODUCTION OF PHOTOGRAPHS IN BLUE-BLACK TONES

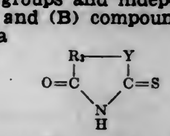
Fritz Dersch, Binghamton, and Newton Heimbach, Johnson City, N. Y., assignors to General Aniline & Film Corporation, Binghamton, N. Y., a corporation of Delaware

No Drawing. Application October 15, 1940, Serial No. 361,278
13 Claims. (Cl. 95—6)

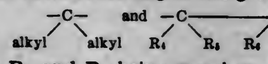
1. In a process for producing developed silver pictures in blue-black tones from silver halide emulsions containing a substantial amount of silver bromide, the improvement which comprises developing said emulsions in the presence of an organic compound selected from the class consisting of: (A) compounds corresponding to the formula



and its tautomeric forms, wherein Y is a member selected from the group consisting of oxygen, sulfur and selenium, and R_1 and R_2 are members selected from the class consisting of independent similar alkyl groups and independent dissimilar alkyl groups; and (B) compounds corresponding to the formula



and its tautomeric forms, wherein Y is a member selected from the group consisting of oxygen, sulfur and selenium, and R_3 is a member selected from the class consisting of the groups



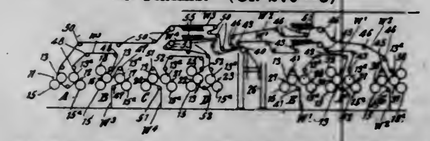
R_4, R_5, R_6 and R_7 being members selected from the class consisting of hydrogen and alkyl groups.

2,298,094

MULTICOLOR PRINTING MACHINE

Arthur Dressel, Hollis, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application March 6, 1941, Serial No. 382,085
16 Claims. (Cl. 270—5)



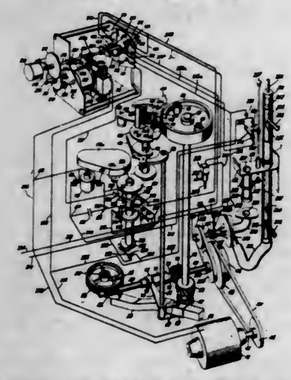
1. In a printing machine having a folder and perfecting printing units arranged in line on one floor lever, a first printing unit adjacent the folder and having two form cylinders and two impression cylinders arranged as a standard perfecting printing unit and adapted to print one color on each side of a web, a second printing unit positioned beyond the first unit with relation to the folder and having two form cylinders and two impression cylinders arranged as a standard perfecting printing unit, an additional form cylinder on the second printing unit arranged in cooperable relation to one of the impression cylinders, and means for reversing the direction of rotation of one of the printing couples or triples of each unit, whereby a web may be led through both units to first print one color on one side and subsequently print four colors on the other side, and alternatively, to first print four colors on the one side and subsequently print one color on the other side.

2,298,095

WASHING MACHINE

George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York

Original application March 25, 1939, Serial No. 264,156. Divided and this application October 1, 1940, Serial No. 359,261
5 Claims. (Cl. 68—12)



1. In a combined washing and drying machine, a receptacle for receiving liquid and material to be washed, a washing element therein, vertical shaft means for selectively operating the washing element for washing and rotating the receptacle for extracting, driving mechanism for the shaft means shiftable to washing and extracting positions, means resiliently supporting the shaft means and receptacle for gyratory movement during extracting, stabilizing means for holding the receptacle and shaft means in an upright position, a control for the stabilizing means movable to positions rendering the stabilizing means effective and ineffective, and control means for shifting the driving mechanism to the washing and extracting positions, said control means being arranged to move the control for the stabilizing means to the effective position during washing and the ineffective position during extracting.

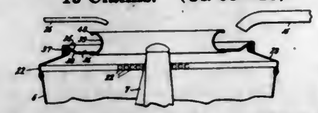
2. In a combined washing and drying machine, a receptacle for receiving clothes to be washed, mechanism for effecting washing of the clothes in the receptacle, mechanism for rotating the receptacle at high speed to centrifugally dry the clothes, braking means for retarding the rotation of the receptacle, means for controlling said washing, drying, and braking mechanisms including a control member movable to washing, drying, and braking positions, timing means for moving said control member to the washing, drying, and braking positions in timed sequence, a manually operable member for moving said control member to said positions independent of said timing means, and means for rendering said control means ineffective upon manual shifting of the control member from the drying to the washing positions while the receptacle is rotating at high speed.

2,298,096

WASHING MACHINE

George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York

Application February 20, 1942, Serial No. 431,753
15 Claims. (Cl. 68—18)



1. In a washing machine, a receptacle for receiving clothes to be washed, means for agitating the clothes in the receptacle for washing and for centrifugally drying the clothes by rotating the receptacle at high speed, a filter on the receptacle draining thereto, provisions for withdrawing washing liquid from the receptacle beneath the filter and discharging the withdrawn liquid onto the filter during washing, a passage to the receptacle independent of the filter, and provisions for admitting rinsing liquid to the receptacle through said passage during drying.

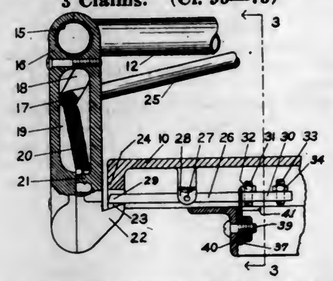
10. The method of flushing a filter arranged to receive on its upper surface the liquid to be filtered which comprises discharging liquid onto the filter while rotating the filter at such speed that the liquid centrifugally flows across the upper surface of the filter.

2,298,097

PHOTOGRAPHIC PRINTER MECHANISM

John K. Polhemus, Binghamton, N. Y., assignor to General Aniline & Film Corporation, Binghamton, N. Y., a corporation of Delaware

Application August 2, 1940, Serial No. 349,575
3 Claims. (Cl. 95—73)



1. In a printing apparatus having a lamp house with printing lamps therein and a supporting platen thereon, the combination of a pressure back, an operating arm movably mounted with respect to said platen, means connecting said arm and back for movement of the latter into and out of engagement with the platen by operation of said arm, said arm being movable toward the platen for a limited additional distance after said back is in its final platen-engaging position, resilient means opposing said additional movement, a latch member pivoted on said arm for movement between locking and releasing positions, a corresponding locking element on said platen engaged by said latch member only when the latter is in locking position and said arm has been depressed said additional distance and released for partial return movement under the influence of said resilient means, and a switch operated by said latch to illuminate said lamps only on said return movement of the arm and latch to locking position.

2,298,098

GARMENT

Lucille M. Reinke, Vincennes, Ind.

Application February 21, 1941, Serial No. 379,970
5 Claims. (Cl. 2—93)



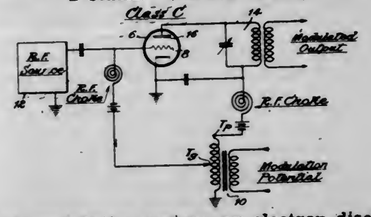
1. A garment comprising a back portion and a front portion, a sleeve, a pivot piece between the back portion and front portion adapted to be disposed in front of the wearer being attached to the back portion only at the upper edge of the pivot piece and the under arm portion of the pivot piece and having the remainder of its edges free of the back portion and of the front portion, said sleeve having its inner end attached to the back portion and to the pivot piece only.

2,298,099

MODULATION

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 25, 1941, Serial No. 385,093
1 Claim. (Cl. 179—171.5)



In a modulation system, an electron discharge device having a control grid, a cathode, and an anode, a source of wave energy to be modulated coupled to said control grid and cathode, an alternating current output circuit coupled to said anode and cathode, sources of direct current potential connected to the electrodes of said device to bias the same for class C operation, a source of modulating potentials of considerably less power than that required to accomplish 100% anode modulation of said device and of more power than that required to accomplish 100% grid modulation of said device, a modulation circuit coupling said source of modulating potentials to said anode and cathode for applying substantially all of the modulation power to said anode, said anode modulation circuit including a transformer having a primary winding coupled to said source of modulating potentials and a secondary winding coupled with said anode and cathode, and a circuit coupling said source of modulating potentials to said grid and cathode to apply a portion of said modulation power to

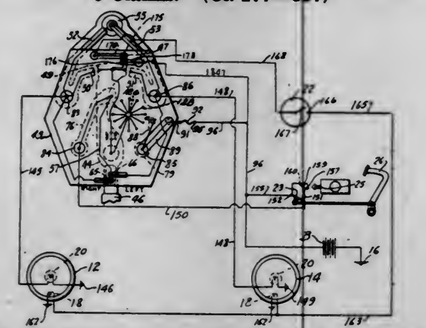
said grid and cathode sufficient to produce full modulation of said device, said grid modulation circuit including a portion of said secondary winding coupled between said control grid and cathode.

2,298,100

SIGNALING SYSTEM AND CONTROL THEREFOR

Samuel F. Arbuckle, Guy H. Coulter, and Charles E. Godley, Highland Park, Mich., assignors to United Lens Corporation, Detroit, Mich., a corporation of Delaware

Application March 26, 1937, Serial No. 133,258
6 Claims. (Cl. 177—337)



1. A combination direction and stop signaling system for automotive vehicles, a pair of spaced lights located at one end of a vehicle respectively positioned at each side of the central vertical plane of the vehicle for giving vehicle direction and stop signals; connections between each of said lights and a source of electrical energy; switching means for said connections including a selector contacting element having a central position and movable to opposite operative positions for selectively establishing a circuit through said connections from the source of electrical energy to each of said lights; a mechanism including a periodic circuit interrupter rendered operable by the manual movement of said selector element from its central to one of said operative positions for fluctuating the current flow through the selectively connected light to flash the same intermittently to thereby indicate a vehicle turn signal; means engageable with the selector contacting element actuated by said mechanism for returning said selector contacting element from its operative to its central position and for maintaining said selector contacting element in said operative position for a predetermined number of flashes of light; additional circuit closing means intercalated with said connections for establishing simultaneously a continuous flow of current to both of said lights when said selector element is in its central position indicating thereby a stop signal, the circuit closing means being so arranged that when said selector contacting element is in any of its operative positions the continuous flow of current to said lights is rendered ineffective.

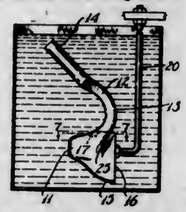
2,298,101

METHOD OF MAKING RUBBER NASAL MASKS

Carl L. Beal, Cuyahoga Falls, Ohio, assignor to American Anode, Inc., Akron, Ohio, a corporation of Delaware

Original application April 6, 1940, Serial No. 328,329. Divided and this application March 29, 1941, Serial No. 385,797
4 Claims. (Cl. 18—58)

1. The method of making a rubber nasal mask comprising forming a hollow one-piece unitary rubber deposit comprising a bulbous portion with two tube-like portions projecting from spaced apart points on the bulbous portion by depositing rubber from a liquid rubber composition on a deposition form of the required shape, removing from the bulbous portion a generally triangular portion lying in a plane generally parallel to the plane of the projecting tube-like arms, and removing at least a portion of the deposition form through the resulting opening in the rubber deposit.

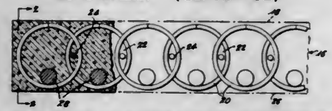


2,298,102

REINFORCED CONCRETE

Karl P. Billner, Philadelphia, Pa., assignor to Vacuum Concrete Inc., a corporation of Pennsylvania

Application October 15, 1941, Serial No. 415,128
15 Claims. (Cl. 72—71)



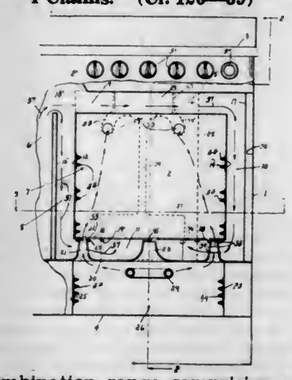
1. A reinforced concrete member primarily designed to withstand loads applied transversely of its neutral axis comprising a plurality of interlocked helices each having its axis extending substantially parallel to the axis of said member and having opposed portions of its periphery substantially adjacent opposite surfaces of said member.

2,298,103

COMBINATION RANGE

John C. Broome, Columbia, Pa., assignor to The Keeley Stove Company, Columbia, Pa., a corporation

Application December 19, 1940, Serial No. 370,866
4 Claims. (Cl. 126—39)



1. A combination range comprising an upper gas burner compartment, an oven disposed therebeneath and adjacent one end of the range, a broiler disposed beneath and spaced from the oven and provided with passages communicating with the bottom thereof, a gas burner disposed in said broiler, a fire box at the opposite end of said range, flue means for circulating products of combustion from the fire box around the oven, and damper means for regulating the direction of flow of the products of combustion from the fire box relatively to the oven and for permitting the products of combustion from the gas burner to be directed through said passages and through the oven, the top of said broiler forming a sub-bottom of the oven, said sub-bottom being spaced from the oven bottom, said oven bottom being provided with a clean out opening, a cover plate for closing said opening, and said sub-bottom being provided with a centrally disposed raised portion, terminating adjacent the cover plate and adapted to be heated by the gas burner for heating the central portion of the oven.

2,298,104

FABRICATED STEEL STUDDING

Robert B. Brunemann, Finney Township, Hamilton County, Ohio

Application March 28, 1941, Serial No. 385,729
3 Claims. (Cl. 72—115)



1. A building stud, comprising: a pair of duplicate stud sections, each composed of a pair of channels in spaced relation with their webs extending in a common plane, a metallic plate secured to one end of the channels of the stud section to provide a channel connecting cleat intermediately notched, the notch open to the outer edge for engagement with an anchoring rail extending longitudinally of a wall for securing the cleated end of a stud section against lateral displacement, cross struts fixed to the channels in relatively spaced relation longitudinally of the channels with their opposite ends extending beyond the width of the stud section providing bendable fastener elements for fixing wall panels to the stud, the pair of stud sections overlappingly secured together at one end by one or more of said cross struts extensively uniting said sections to produce an effective stud length with the cleated ends of the stud sections respectively at relative opposite ends of the stud.

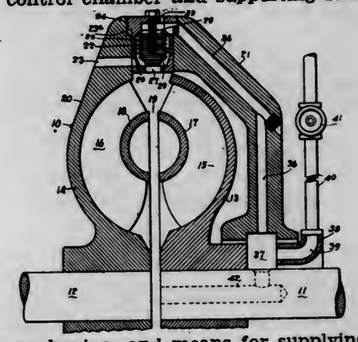
2,298,105

CONTROL DEVICE FOR FLUID POWER TRANSMITTERS

Faic Canaan, Heidenheim-on-the-Brenz, Germany

Application January 16, 1940, Serial No. 314,037
In Germany November 1, 1935
6 Claims. (Cl. 60—54)

1. In a hydraulic power transmitter, a working chamber, a driving rotor and a driven rotor therein, an emptying port leading out of said working chamber, a thin valve plate or lamina closingly engageable with said emptying port, a control chamber, a bellows communicating with said control chamber and supporting said valve plate or lamina, and means for supplying pressure fluid to said control chamber to move said bellows and closingly engage said valve plate or lamina with said emptying port.

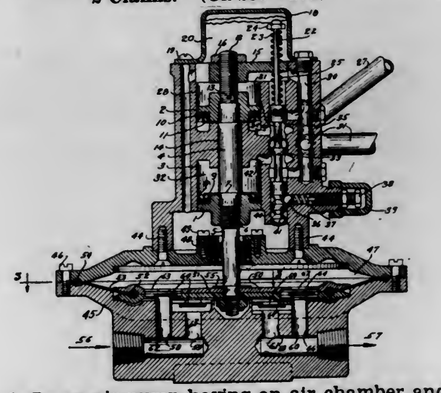


2,298,106

HYDRAULIC DRIVEN AIR PUMP

Bert G. Carlson, Erieside, Ohio, assignor to Jack & Heintz, Inc., Cleveland, Ohio

Application April 27, 1942, Serial No. 440,655
2 Claims. (Cl. 230—171)



1. In an air pump having an air chamber and an inlet and outlet, a diaphragm and check valve means for said inlet and outlet, means for reciprocating said diaphragm in said air chamber, said check valve means comprising cylinders with caged floating discs and being carried by said diaphragm so as to shut off the entrance of air through said inlet into said air chamber both above and below said diaphragm during the exhaust stroke of said diaphragm and shut off the entry of air into said air chamber both above and below said diaphragm through said outlet during the intake stroke of said diaphragm.

2,298,107

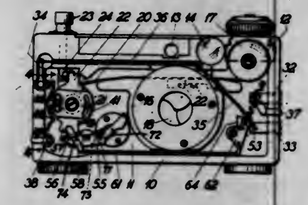
CAMERA

William F. Carr, Ann Arbor, Mich., assignor to International Industries, Inc., a corporation of Michigan

Application December 7, 1939, Serial No. 308,059
10 Claims. (Cl. 67—29)

1. In a camera having a casing, a shutter, op-

erating means for said shutter including an oscillatable setting member in said casing and an electric flash lamp ignition circuit, a switch in said circuit urged normally to open circuit position, said switch being provided with surfaces of different widths adjacent said setting member presenting edge surfaces of varying height with respect to said setting member, a projection rigid in its oscillatable direction and flexible in its axial direction on said setting member positioned and



arranged to engage the wider of said surfaces effecting a closure of said switch as the setting member begins to move toward shutter opening position and to then pass over the edge portion of the narrower of said surfaces permitting said switch to assume its open position, whereby, when said setting member is rotated toward cocked position, said projection will ride over the edge of said wider surface leaving said switch in open circuit position.

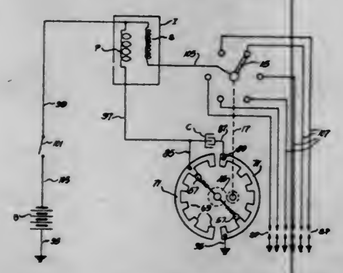
2,298,108

CIRCUIT MAKER AND BREAKER

Joseph S. Clark, San Francisco, Calif., assignor of sixty per cent to Alferd A. Lauppe, Detroit, Mich., and twenty per cent to James F. White, Amarillo, Tex.

Application December 13, 1939, Serial No. 308,921

8 Claims. (Cl. 200—20)



1. A primary contactor for ignition distributors comprising, a plurality of stationary contacts arranged in equally spaced relation in diametrically opposed disposition around a circular path, electrical conductive means for connecting permanently together as a conductive group all the contacts around half of the circular path, additional conductive means for connecting permanently together as a second conductive contact or group all the contacts of the other half of the circular path, rotatable contactor means arranged for sweeping around said circular path to bridge said stationary contacts in succession for intermittently making and breaking a circuit between the two conductive groups of contacts, and a distributor shaft disposed adjacent said contacts and adapted to be driven from the crank shaft of an engine in the usual manner.

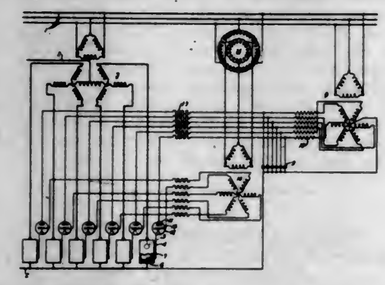
2,298,109

VAPOR ELECTRIC DEVICE

Joseph H. Cox, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 3, 1940, Serial No. 350,224

2 Claims. (Cl. 175—363)



1. A control system for a make-alive type converter comprising a plurality of make-alive valves, a make-alive electrode for each valve of the converter, a charging transformer having phase windings for each valve of the converter, a capacitor connected to each phase terminal of the transformer to be charged therefrom, an impedance of the order of from 30 to 115 ohms connected between said phase terminals and the respective capacitors, an auxiliary controlled valve in series with each of said make-alive electrodes, a second impedance of the order of 5 ohms connected in series between each of said capacitors and the respective make-alive electrodes, means for energizing said auxiliary valves to periodically and successively discharge said capacitors through the respective make-alive electrodes, said charging transformer being so phased that at the instant of discharge of the capacitors sufficient potential remains to supply exciting current through said impedances to the make-alive electrodes.

2,298,110

THERMOSTAT

Stephen Crum, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 11, 1940, Serial No. 329,121

2 Claims. (Cl. 297—16)



1. In a control element, in combination, a first helically wound bimetal adapted to expand and contract axially and rotate angularly upon a change in temperature, means for securing one end of said first bimetal to a support, a second helically wound bimetal also adapted to expand and contract axially and rotate angularly upon a change in temperature, said first and second bimetals being wound in opposite directions so that they will rotate oppositely in the same degree for a given change in temperature, said bimetals being in axial alignment one within the other, one end of the second bimetal being secured to the free end of said first bimetal whereby the other end of said second bimetal will move in a straight line on temperature changes.

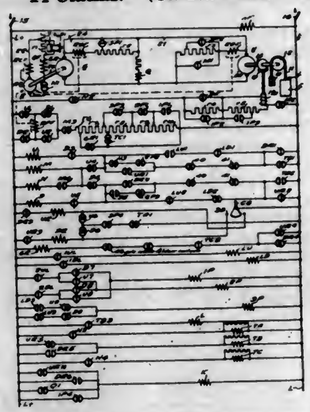
2,298,111

ELEVATOR CONTROL SYSTEM

William F. Eames, Westfield, N. J., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois

Application August 19, 1941, Serial No. 407,414

14 Claims. (Cl. 172—152)



2. In a control system for an elevator car serving a plurality of landing floors, a power generator provided with an armature and a field winding, a hoisting motor connected in a loop circuit with and controlled by said armature for operating the car; a regulator for energizing and controlling the field winding of the power generator, said regulating generator including a differential field winding; a switch, a control device, means responsive to a temporary operation of the switch for operating the control device, means responsive to operation of the control device for starting and running the car, means for controlling the regulator to decelerate the hoisting motor, a timing device for maintaining the control device in its operated condition for a predetermined period of time after it is operated and then causing it to be restored to its unoperated condition, means responsive to restoration of the control device to its unoperated condition for rendering the decelerating means effective to cause the hoisting motor to decelerate the car as it approaches the next floor, means responsive to operation of the decelerating means for strengthening the differential field of the regulator to render the deceleration more effective, a releveling means for controlling the motor to relevel the car, and a time delay means responsive to the restoration of the control device to its unoperated condition for preventing the releveling means from reversing the connections of the regulator for a predetermined time.

2,298,112

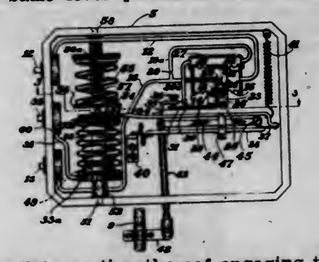
REGULATOR

Evan A. Edwards and Elmer C. Hartman, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York

Application July 26, 1941, Serial No. 404,220

7 Claims. (Cl. 121—41)

1. In an element positioning arrangement, an element, means including a control couple comprising a baffle and a nozzle for positioning said element in response to changes in the space relation between said baffle and nozzle, a source of pressure fluid flowing through said nozzle under the control of said baffle, an expansible chamber responsive to the pressure of the fluid in said nozzle, means for moving one end of said baffle proportionally to the response of said chamber, a baffle lever provided with means at an



intermediate portion thereof engaging the other end of said baffle, means for positioning one end of said baffle lever, and means responsive to the positioning of said element for adjusting the other end of said baffle lever.

2,298,113

LIGHTWEIGHT ELECTRIC IRON

James K. Ely, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 7, 1940, Serial No. 369,020

3 Claims. (Cl. 38—93)



1. An iron comprising an aluminum base having a working surface, means to heat said base member operatively associated therewith, a layer of adherent anodized aluminum integrally formed on at least the working surface of the base of the iron, and an exterior metallic coating electroplated upon the layer of anodized aluminum on at least the working surface, the electroplated coating being integrally bonded throughout the electroplated area with the layer of anodized aluminum, the layer of anodized aluminum cooperating with the exterior metallic coating to strengthen the exterior coating and render it resistant to physical shock, the bond between the layer of anodized aluminum, the aluminum base and the exterior metallic coating being so adherent and so resistant to thermal shock that it is capable of withstanding repeated heating to high temperatures without detrimental effect thereon.

2,298,114

SPARK GAP DEVICE

Walther Estorff, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

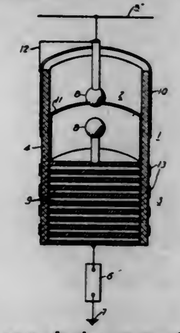
Application August 3, 1940, Serial No. 351,035

In Germany July 3, 1939

4 Claims. (Cl. 175—30)

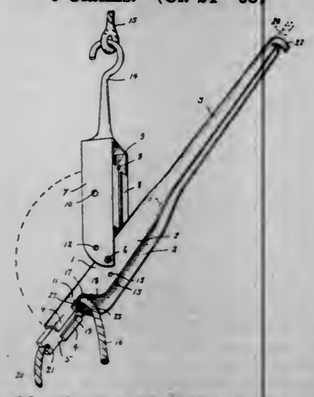
1. A spark gap device comprising a tube of insulating material, a pair of spaced electrodes supported in said tube to form a spark gap between them, a plurality of other electrodes sup-

ported in the tube to form a multiple gap structure and disposed in series relation with the first-mentioned electrodes, and bands of semi-conducting material placed on the outside surface of said tube, said bands being disposed to form capacitive shunts for said gap device to control the voltage distribution.



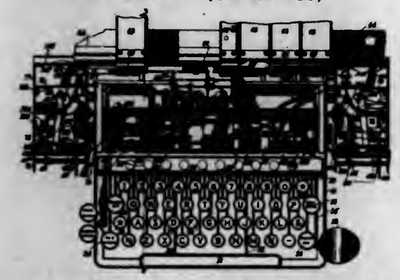
4. A spark gap device comprising a tube of insulating material, a pair of spaced electrodes supported in said tube to form a spark gap between them, a plurality of other electrodes supported in the tube to form a multiple gap structure and disposed in series relation with the first-mentioned electrodes, a layer of semi-conducting material on the outside surface of the tube and connected to one of said first-mentioned electrodes, a layer of semi-conducting material on the inside surface of the tube and connected to the other of said first-mentioned electrodes, said layers being disposed so that they overlap, and bands of semi-conducting material extending around the tube opposite said multiple gap structure to form capacitive shunts and control the voltage distribution across the gap.

2,298,115
CABLE CLAMP AND TIGHTENER
James W. Felton, South Hibbing, and Lloyd E. Madison, Chisholm, Minn.
Application August 9, 1941, Serial No. 406,134
6 Claims. (Cl. 24—68)



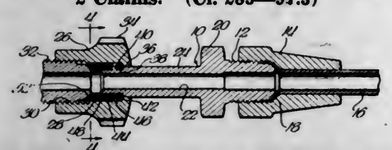
1. A cable clamp and tightener comprising a support, means for anchoring one end of said support, a locking slidable block within said support, means for passing one end of a cable through said support adjacent one end of said block, means at the other end of said block about which said cable may pass to an anchor, whereby the tension of said cable causes said block to clamp and bind the end of said cable passing through said support.

2,298,116
COMBINED CALCULATING AND RECORDING MACHINE
Harry A. Foothorap, Harrisburg, Pa., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Original application December 30, 1932, Serial No. 649,663. Divided and this application June 25, 1938, Serial No. 215,823
18 Claims. (Cl. 235—59)



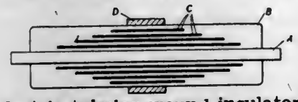
1. In a calculating machine, the combination with a frame; a travelling carriage on the frame; a register on the carriage, including transfer-restoring mechanism; and denomination-selecting mechanism for the register mounted on, and movable with and relatively to the carriage; of a motor relatively to which the carriage travels; a sectional power-drive between the motor and the traveling transfer-restoring mechanism, part of which power drive travels with the carriage, the power drive including a normally idle clutch; means under control of the traveling dennomination-selecting mechanism to automatically render the clutch effective to enable the stationary motor to actuate the traveling transfer-restoring mechanism in different positions of the carriage as the denomination-selecting mechanism escapes from the register wheel of lowest denomination.

2,298,117
QUICK COUPLER FOR TUBING
George E. Franck, Riverside, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 18, 1940, Serial No. 357,261
2 Claims. (Cl. 285—97.3)



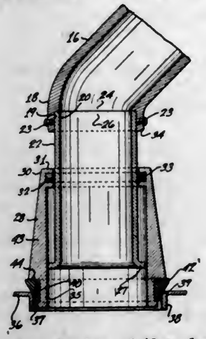
1. In a quick temporary coupler for attaching tubing to a fitting having a body, a connection at one end for the tubing and a coupler attachment at the other end comprising a substantially cylindrical extension having a passage therethrough, a coupler element having a passage therein loosely surrounding the extension near the end, said coupler element having an aperture larger in diameter than the passage forming a shoulder therebetween and threaded at the outer end for engagement with a conventional flared fitting, said extension having an outwardly extending anchoring element thereon engaging said shoulder forming a swivel connection and an annular recess extending inwardly from the end forming an annular pocket between itself and the aperture wall, substantially closed at one end and open at the other end, and a removable annular collar of resilient material having a sliding fit on the recessed portion of the extension with one end seated in the closed end of the pocket and the other end extending for a substantial portion of its length beyond the open end of said pocket, said collar being flared complementarily to the conventional flared fitting and initially snugly filling said pocket providing frictional resistance to sliding of the coupler element along the extension and in coupled relation being in engagement around the flare of said conventional fitting and under pressure longitudinally and outwardly for sealing said coupling against leakage of fluid from within the tube.

2,298,118
ELECTRIC INSULATOR
Harry Major Gale, Jarrow-on-Tyne, and Ian Ward Anderson Kirkwood, Newcastle-on-Tyne, England, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a company of Great Britain
Application March 12, 1941, Serial No. 383,050
In Great Britain April 1, 1940
11 Claims. (Cl. 174—143)



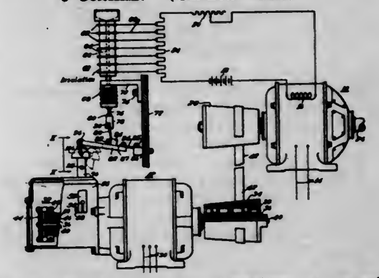
1. An electric tubular wound insulator including a body of insulating material and condenser layers of thin easily adhering material embedded in said material and arranged in groups each of which comprises a plurality of layers terminating approximately level with one another at at least one end of the group and situated close together at substantially the same electrical potential, but separated in a radial direction by at least one layer of insulating material.

2,298,119
CONNECTOR DEVICE
Sever C. Gebert, Three Rivers, Mich., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application December 7, 1939, Serial No. 307,951
2 Claims. (Cl. 193—30)



1. A connector device of the character and for the purpose described, comprised of a tubular member having an out-turned annular flange at one end, a second tubular member movable longitudinally over the first said member and its flange, and provided with an inturned annular flange at one end thereof, said flanges cooperating in limiting movement of said second member relative to the first in one direction, said inturned flange being formed to provide an annular recess therein, a resilient gasket element seated in said recess for sealing engagement with the first said tubular member, said second tubular member having an external annular recess in its opposite end, and a resilient gasket element of tapered ring form, seated in said recess.

2,298,120
SPEED MATCHING REGULATOR
Ralph A. Geiselman, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 15, 1941, Serial No. 388,603
6 Claims. (Cl. 172—293)

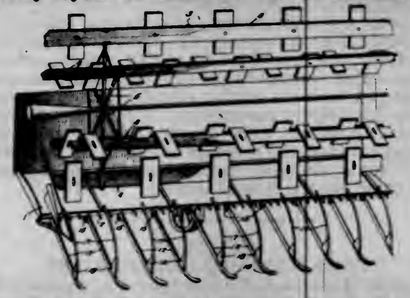


1. In a regulator, in combination, a constant speed reference machine, a dynamo-electric machine provided with a field winding to be regulated, means for controlling the excitation of the dynamo-electric machine, a differential connection responsive to the speeds of the constant speed reference machine and the dynamo-electric machine, and means disposed for movement as the differential moves to actuate the means for controlling the excitation of the dynamo-electric machine, said actuating means comprising an arm carried by the differential and disposed for movement through a predetermined arc as the differential moves, a member having a sloped surface carried by the arm and movable therewith, said member being adjustably mounted on the arm for changing the angle of its sloped surface, a pivotally mounted lever disposed to be engaged by the adjustable member carried by the arm and actuated about its pivot, and means for so connecting the lever to the means for controlling the excitation of the dynamo-electric machine that movement of the lever by the arm carried by the differential effects the operation of the control means, the angle of slope of the surface of the adjustable member carried by the arm determining the ratio of the movement of the lever to the movement of the differential and the sensitivity of the operation of the control device.

2,298,121
HARVESTING MACHINE
Walter G. Grimes, Pratt, Kans.
Application February 7, 1942, Serial No. 429,917
3 Claims. (Cl. 56—312)

1. In a harvester having a platform, sickle bar and reel, a plurality of spaced parallel rods each

freely pivoted at its rear end under and adjacent the rear edge of the platform and extending forwardly beyond the sickle bar with its forward end



bent upwardly, with guide means carried by the platform engaging each of said rods intermediate its ends to restrict same against side play while permitting free motion in a vertical direction.

2,298,122
DIGITALIS CAPSULE
Joseph A. Hailer, Boston, and Clare O. Ewing, Quincy, Mass., assignors to United Drug Company, Boston, Mass., a corporation of Delaware
No Drawing. Application January 27, 1941, Serial No. 376,124
5 Claims. (Cl. 167—65)

1. A digitalis capsule comprising an outer layer of gelatin enclosing digitalis leaf suspended in an inert, water-free viscous oil vehicle, said digitalis leaf containing not substantially in excess of 10% moisture.

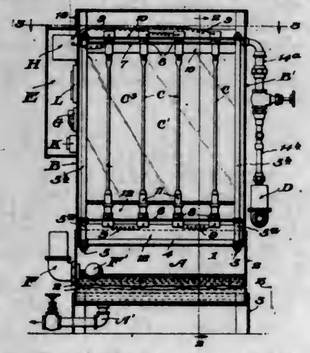
2,298,123
MAGAZINE FOR FASTENER APPLYING INSTRUMENTS
George H. Harred, East Greenwich, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine
Application September 4, 1940, Serial No. 355,353
19 Claims. (Cl. 1—45)



1. In a fastener-applying implement, a magazine for holding a supply of fasteners, a gate pivoted to open or close the magazine, a pusher movable to advance the fasteners in the magazine, and means to positively lock the gate in closed position on the magazine while the pusher is operative to advance the fasteners, said positive locking means being movable by the pusher to release it when the pusher is retracted to inoperative position.

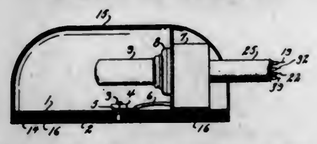
2,298,124
ULTRA VIOLET RAY LIQUID STERILIZER
Harry Buxton Hartman, Florence, Mass.
Application May 14, 1941, Serial No. 393,458
6 Claims. (Cl. 250—45)

1. In an apparatus for sterilizing liquids, the combination including a tank for storing sterilized liquid, a sterilizer housing supported on the tank and comprising end walls and side walls formed by downwardly and inwardly converging removable panels whose inner sides provide liquid film carrying surfaces which discharge into the tank, a pair of standards carried by the tank and disposed between said side walls of the housing, upper and lower horizontally disposed bridge members carried by the standards, tube sockets carried by said members, ultra-violet ray generating tubes mounted in said sockets; untreated liquid supply pipes having side openings for discharging untreated liquid onto the side walls, means carried by the upper bridge member for shielding the upper ends of the ultra-violet ray



tubes from liquid discharged from said supply pipes, moisture-proof hoods on the lower ends of the ultra-violet ray tubes, moisture guard means cooperating with said hoods for protecting the sockets on the lower bridge member, said guard means comprising a pair of plates having overlapping upper edge portions provided with mating notches to receive said hoods and having their sides directed toward said tank, and means coordinating the flow of untreated liquid from said liquid supply pipes and the operation of said tubes whereby said tubes are set in operation before flow of untreated liquid begins and remain in temporary operation after the flow has ceased from said liquid supply pipes.

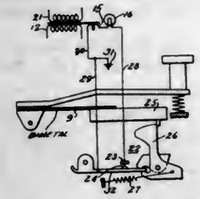
2,298,125
DIAGNOSTIC AID
Ray E. Hartman, Tiffin, Ohio, assignor to Jesse G. Miller, Tiffin, Ohio
Application December 18, 1940, Serial No. 370,655
1 Claim. (Cl. 128—2.1)



For diagnostic aid, an electric energy pick-up device from a patient comprising a flesh contacting disk, an insulating ring substantially coplanar with and surrounding the disk, an amplifier tube extending parallel to the face of the disk, a conductor shield providing a housing having a flat side mounting the disk and ring and inwardly arching upward therefrom to a domed top beyond the tube in thereby locating the axis of the ring approximately perpendicular to the axis of the tube, the disk and ring forming a relatively flat side for the housing and with the housing completely enclosing the tube, a power

unit, additional amplifier means for the pick-up device, an indicator, and a wave filter between the indicator and amplifier means.

2,298,126
SIGNALING SYSTEM FOR TRANSFORMERS
John K. Hodnette, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 3, 1940, Serial No. 350,381
5 Claims. (Cl. 177—311)



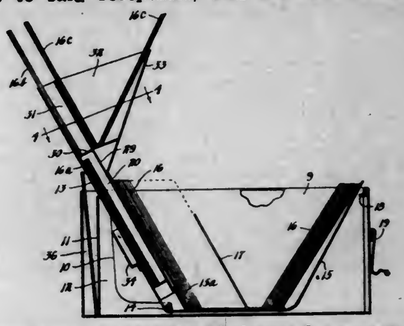
5. In a light signaling system for a transformer provided with a core and primary and secondary windings, in combination, an electrically operated lamp for giving a visible signal, a coil for energizing the electrically operated lamp, the coil being looped around the core, the coil being spaced from the primary and secondary windings, and insulation barriers disposed between the coil and the primary and secondary windings, the insulation and the spacing of the coil from the primary and secondary windings being of predetermined dimensions whereby when surge voltages are impressed on the primary and secondary windings the inductive effect on the coil is so small that there is substantially no increase in voltage across the lamp.

2,298,127
PROCESS OF PREPARING ARTIFICIAL FIBERS
Oskar Huppert, Chicago, Ill., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Original application May 13, 1940, Serial No. 334,920. Divided and this application March 10, 1941, Serial No. 382,577
3 Claims. (Cl. 18—54)

1. The process of preparing artificial fibers comprising spinning into a coagulating bath to form fibers a solution containing soya protein disulfide prepared by treating soya protein hydrolysate with carbon disulfide at a hydroxyl ion concentration which at most corresponds to that of a solution of calcium hydroxide and oxidizing the thus sulfurized protein to produce the disulfide, hardening the fibers, subjecting the hardened fibers to the action of nitrous acid before washing, and then washing.

2,298,128
CARD FILE
Joseph M. Hurley, St. Paul, Minn.
Application May 27, 1940, Serial No. 337,453
4 Claims. (Cl. 129—43)

1. A card file comprising a box-like receptacle, a guideway in opposite side walls of said receptacle, a closure having a portion extending into said receptacle and having oppositely disposed guide members slidably fitting the guideway of said receptacle walls, said guideway and guides permitting limited movement of said closure relative to said receptacle, and file card holding

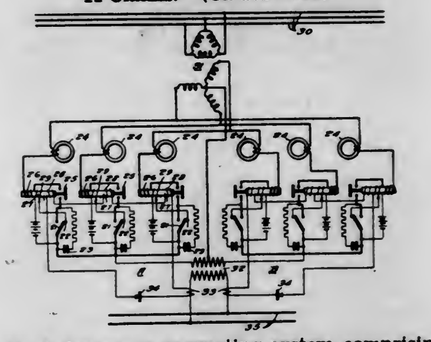


means associated with said closure for movement therewith.

2,298,129
TREATMENT OF WELLS
Carroll R. Irons, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 29, 1938, Serial No. 198,731
1 Claim. (Cl. 252—8.55)

In a method of treating an earth or rock formation penetrated by a well bore to bring about consolidation and sealing, the steps which consist in introducing a quantity of a metal into the well bore, said metal being characterized by having a relatively low but higher melting point than the temperature of the formation, applying heat to melt the metal in the well bore, displacing the molten metal from the well bore into the formation by application of fluid pressure, and introducing a relatively cold fluid into the well to bring about solidification of the metal.

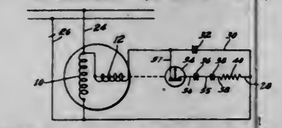
2,298,130
FREQUENCY CONVERTER
Erwin Janetschke, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 1, 1941, Serial No. 391,266
In Germany January 23, 1940
11 Claims. (Cl. 172—281)



11. A frequency converting system comprising a polyphase supply circuit, a single phase circuit, a plurality of parallel connected contactor devices for establishing conductive relation between said circuits, each of said contactor devices including a plurality of switching contacts corre-

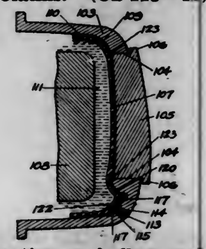
sponding in number to the phase circuits of the polyphase circuit, a plurality of coacting actuating devices for actuating said switching contacts, one of said actuating devices having a position dependent on the frequency of the polyphase circuit and the other having a position dependent on the frequency of the single phase circuit, an auxiliary switching device in series with each of said switching contacts, holding magnets for each of said auxiliary switching devices, said holding magnets being deenergized when the current flowing in the associated phase circuit drops below a predetermined minimum, an auxiliary contact on each of said switching contactors and a closing coil energized through said auxiliary contact for reclosing said auxiliary switching device upon opening of said switching contactor.

2,298,131
CAPACITOR MOTOR
Francis J. Johns, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 27, 1940, Serial No. 367,361
3 Claims. (Cl. 172—279)



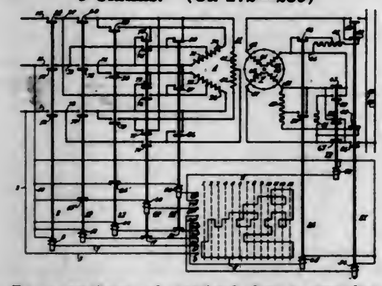
1. A single-phase capacitor-start, capacitor-run motor comprising a pair of terminal leads for connection to an alternating-current power supply; a rotor; a stator having a main winding connected across said terminal leads, and an auxiliary winding having one end connected to one of said terminal leads; a starting circuit connected between the other end of said auxiliary winding and the other of said terminal leads, said starting circuit including in series: a switch means operated in response to the rotor speed for opening the starting circuit when the rotor speed has reached a predetermined value after starting, a pair of dry electrolytic capacitors having a permissible applied voltage of less than one-half the voltage across said starting circuit during starting of said motor, and a resistance means.

2,298,132
MEANS FOR FORMING HOLLOW STRUCTURES
Charles A. Johnson, Brooklyn, N. Y., assignor of one-half to Irving Seidman, New York, N. Y.
Application October 11, 1940, Serial No. 360,779
3 Claims. (Cl. 113—42)



1. In combination, a hollow mold having an opening in a wall thereof circumscribed by cutting edges, a movable section fitting into said opening, a preformed block encased by an elastic sheath disposed within said mold, and means for inflating said sheath with a fluid under pressure whereby said sheath will expand a metal shell into conformity with the inside of the mold and where said shell comes into contact with the cutting edges of said opening, the metal thereof is severed to remove a part corresponding to the opening, the movable section being moved outwardly by the operation to provide the said cutting edges.

2,298,133
SYNCHRONOUS MOTOR STARTING SCHEME
Lee A. Kilgore, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 27, 1940, Serial No. 347,904
5 Claims. (Cl. 172—289)

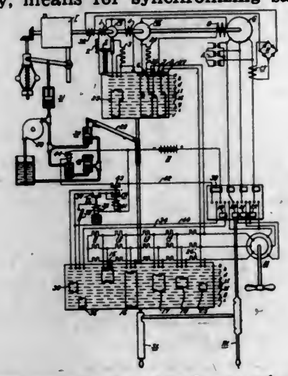


2. In a system of control for a synchronous induction motor, in combination, a synchronous induction motor having armature windings and field windings, and field discharge circuits, said field discharge circuits being designed to materially alter the starting torque characteristics during starting, if the resistance characteristics of the discharge circuits are varied; a source of alternating current, a source of direct current; means for connecting the armature winding to the source of alternating current, field excitation control means for connecting the field to the source of direct current; means for varying the effective voltage of the source of alternating current on the armature in a plurality of successive steps, means for varying the resistance characteristic of the field discharge circuits by a plurality of successive steps during each step of effective voltage variation, and means for causing operation of the field excitation control means to temporarily excite the field windings with direct current at the end of a set of steps varying the resistance characteristic of the field discharge circuits before the next step for varying the effective voltage of the source of alternating current is taken.

2,298,134
SHIP PROPULSION SYSTEM
Lee A. Kilgore, Forest Hills, and Erling Frisch, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 15, 1941, Serial No. 388,602
5 Claims. (Cl. 290—17)

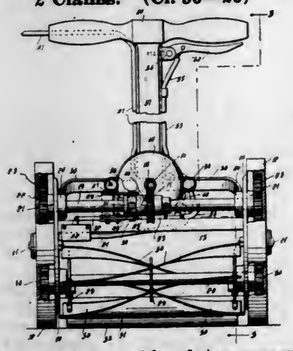
1. In a power system for a ship on board of which both the auxiliaries, representing a relatively larger percentage of the total load than usual, and the propulsion equipment are supplied from a single relatively large alternator, in combination, a prime mover, a governor for controlling the speed of the prime mover, hydraulic means for adjusting the governor so that the prime mover may operate at any selected speed,

said hydraulic means being normally so adjusted that the prime mover operates in the neighborhood of 75% of full speed, an alternator coupled to the prime mover and thus normally operated to produce a frequency of its generated alternating current in the neighborhood of 75% of full frequency, a synchronous-induction motor coupled to the alternator, means for varying the synchronous-induction motor speed from starting to within a selectively small percentage of the synchronous speed at the adjusted alternator frequency, means for synchronizing said motor,



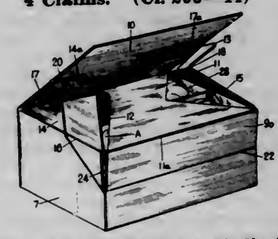
said means including means for varying the excitation of the alternator and the motor to effect synchronization with a high pull-in torque, means operable after synchronization for changing the adjustment of the governor to increase the speed of the alternator so as to produce a normal, or full speed, frequency to thus further increase the motor speed, and means responsive to the motor load current for varying the excitation of either or both the generator and motor to effect stable operation regardless of variations of the torque on the motor.

2,298,135
ROTARY REEL ELECTRIC LAWN MOWER
William C. Klein, Allentown, Pa.
Application October 31, 1940, Serial No. 363,741
2 Claims. (Cl. 56—26)



1. A mower having side plates, ground wheels outwardly of and journaled on said side plates, said side plates being approximately coextensive with the area of the ground wheels, shelf means rigidly connecting the side plates, an electric motor mounted on the shelf means disposed primarily above the axis of rotation of the ground wheels, a shaft above said axis journaled in the side plates, gearing between the electric motor and said shaft, gearing between said shaft and the ground wheels internally of the latter, the first mentioned gearing including a clutch having a movable part and a fixed part, means for the transmission of power to the electric motor including a switch, a handle for the mower, means controlled from the handle to shift the movable clutch part, means normally holding said movable clutch part disengaged from the fixed part so that in the event of failure of the motor the mower may be operated by the ground wheels, a connection from the movable clutch part to the switch to operate the latter, a reel, said reel having a shaft journaled in the side plates on the opposite side of said axis to the first mentioned shaft, and gearing to drive the last mentioned shaft from the gearing of the ground wheels.

2,298,136
COMBINATION SHIPPING AND DISPLAY CARTON
Carroll K. Lavere, Lancaster, Ohio, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Application March 1, 1941, Serial No. 381,325
4 Claims. (Cl. 206—44)



1. A combination shipping and display carton comprising a substantially rectangular body portion having bottom walls, end walls and a back wall, a top panel hinged to the upper edge of the back wall, a front panel of equal height to the end and back walls composed of an upper and lower section, the upper section being free of the end walls and being hinged to the lower section, a second top panel hinged to the upper edge of the upper section of the front panel, said second top panel having substantially V-shaped notches in its end edges, wing members hingedly attached to the ends of said first-mentioned top panel and to the upper edges of said end walls, each of said wing members having a score line running diagonally from the hinge point of said first-mentioned top panel and back wall to the forward edge of said wing member and having a score line disposed intermediate the forward and rear edges of said wing member running from the first-mentioned top panel to the end wall to which the wing member is attached and being disposed substantially at right angles to the first-mentioned score line, said wing members folding inwardly when the first-mentioned top panel is swung downwardly to form V-shaped portions which will fit into the V-shaped notches formed in said second top panel, each of said wing members having a portion of its upper edge which extends from said second-mentioned score line to the forward edge of the wing member free from the first-mentioned top panel, each of said end walls having a score line extending upwardly from the point where the upper section of the front panel is connected to the lower section thereof to the point where the lower end of the second-mentioned score line in the cooperating wing member terminates and forming a continuation thereof, thereby producing flaps which

may be folded outwardly along the second-named score lines formed in the wing members and the cooperating score lines formed in the end walls when the first-mentioned top panel is in vertical position, said flaps extending from said top panel to a point at the front of the carton where the upper section of the front panel is connected to the lower section thereof.

2,298,137
MOTOR THERMOSTAT
Paul R. Lee, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 10, 1940, Serial No. 356,132
15 Claims. (Cl. 200—138)



1. A thermostat comprising, in combination, a supporting structure, a bimetallic relatively flat element retained by such supporting structure so that its periphery is free to move relative thereto in one direction to a certain extent and is loosely confined by said structure in a second direction, the flat midpoint area of said element being capable of flexing from one position to another in response to changes in temperature thereof, a movable contact loosely attached directly to the relatively flat midpoint area of the bimetallic element so as to be capable of a degree of movement relative to such element and to thereafter move with such element as it moves from one position to another in response to the changes in temperature thereof, and means associated with the movable contact for preventing relative movement between the element and supporting structure in said one direction.

2,298,138
INORGANIC SUBSTITUTED ACETIC ACID
Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 9, 1938, Serial No. 201,180
7 Claims. (Cl. 260—539)

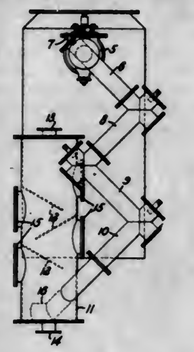
4. A process of producing an inorganic acid-substituted acetic acid which comprises heating formaldehyde, an inorganic acid, and carbon monoxide and thereby effecting a reaction in accord with the equation:

$$n(HCHO)+n(CO)+H_nX=X(CH_2COOH)_n$$

in which X is the anion of an acid selected from the group consisting of hydrochloric acid, hydrobromic acid, hydrofluoric acid, phosphoric acid, and sulfuric acid and n is an integer, there being present reaction quantities of the inorganic acid.

2,298,139
GAS CLEANING METHOD
Carleton C. Long and George E. Deeley, Beaver, Pa., assignors to St. Joseph Lead Company, New York, N. Y., a corporation of New York
Application December 12, 1939, Serial No. 308,876
6 Claims. (Cl. 75—88)

1. A method for removing blue powder from zinc condenser gases which comprises passing a stream of the gas in contact with a liquid to cool the same and to precipitate a portion of the blue powder from the gas, introducing a condensible vapor into the gas stream, injecting a jet of



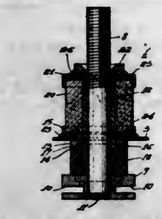
liquid into the gas stream concurrently therewith to condense the vapor, to precipitate substantially all residual blue powder and to increase the turbulence of flow of the gas stream, and separating the liquid from the gas.

2,298,140
TELESCOPIC EXTENSIBLE ANTENNA
Arthur T. Mace, Cleveland, Ohio, assignor to The Radiart Corporation, East Cleveland, Ohio, a corporation of Ohio
Application January 18, 1940, Serial No. 314,470
6 Claims. (Cl. 287—58)



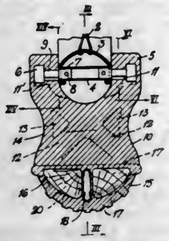
3. In a telescopic extensible antenna, a tube terminating in a neck, an elongated member extending into said tube beyond said neck, a locking element interposed between said tube and said member and adapted for frictionally engaging said tube and said member to retain the same in preselected position with respect to each other, said element comprising at least one sleeve-shaped member adjacent said neck and adapted to fit around said elongated member and a resilient portion connected to said sleeve-shaped member and engaging said tube, said tube having an indentation adapted to engage that end of said locking element which is remote from said neck whereby movement of said sleeve-shaped member axially with respect to said tube is limited.

2,298,141
TERMINAL DEVICE
Ralph E. Marbury, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 7, 1942, Serial No. 433,786
6 Claims. (Cl. 174—31)



1. A terminal device for electrical apparatus of the type which is enclosed in a sealed housing, said terminal device comprising a terminal stud, an insulating sleeve on said stud, a bushing member secured in the housing, said terminal stud and sleeve extending through the bushing member, a locking member inside the housing, said locking member engaging the bushing member and the terminal stud to hold the stud against rotation, a tubular insulating member surrounding the terminal stud and sleeve on the outside of the housing, means for clamping said tubular member against said bushing member, and sealing means for preventing leakage of liquid from the housing through the terminal device.

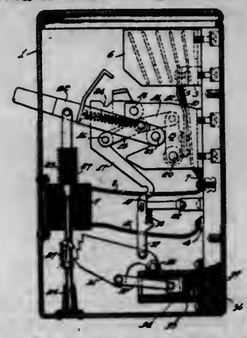
2,298,142
UNITARY SPOKE AND TREAD TIRE
James V. Martin, Milton, N. Y.
Application February 17, 1940, Serial No. 319,539
In Great Britain April 25, 1939
9 Claims. (Cl. 152—7)



9. In an elastic spoke tire having an arcuate ground contacting portion with stiffening hoops embedded therein, each of said stiffening hoops being of substantially triangular cross-section and having an arcuate surface substantially parallel to the ground contacting portion.

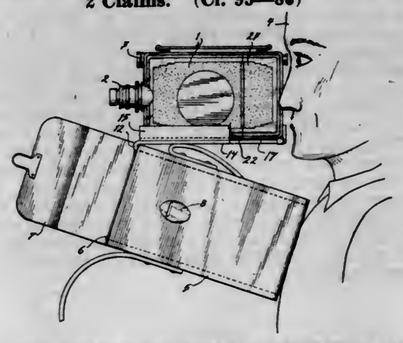
2,298,143
RECLOSING CIRCUIT INTERRUPTER
John W. May, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 19, 1941, Serial No. 423,635
3 Claims. (Cl. 200—89)

1. In combination with a pair of relatively movable contacts and means for connecting them into an electrical circuit, an arm rotatable about a pivot for moving one contact into engagement with the other, a pair of links having their opposite ends connected respectively to said arm and to a second arm pivoted in fixed relation relative to the other one of said contacts, a latch for normally retaining the last-mentioned arm in fixed position relative to the last-mentioned contact, a handle turning on a pivot which is fixed relative to said last-mentioned contact and connected by bias means to the knee of said toggle links, said bias means being adapted to normally hold the above-described mechanism in circuit-closing position, a current-responsive device adapted upon current overload to overcome said bias means and move said handle to separate said contacts,



a pawl adapted to engage and move a ratchet upon movement of said handle to its open-circuit position, bias means provided with a time delay element arranged to return said ratchet to its undisplaced position a predetermined time after its displacement therefrom by said pawl, and connections between said ratchet means and said latching means whereby movement of said ratchet means in response to one actuation thereof by said pawl moves said latching means only a predetermined fraction of the distance necessary to disengage from said third arm.

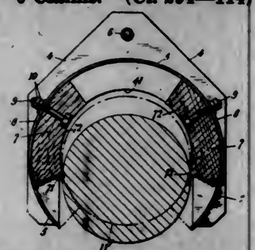
2,298,144
PHOTOGRAPHIC CAMERA AND CARRYING CASE THEREFOR
Joseph H. McNabb, Winnetka, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application August 15, 1939, Serial No. 290,266
2 Claims. (Cl. 95—86)



1. The combination with a forwardly and rearwardly elongated photographic camera and a correspondingly elongated carrying case therefor open at one end for corresponding insertion and removal of the camera, of a flexible strap spacedly connected with the camera and case and permitting insertion and removal of the camera with reference to the case and secured with the case

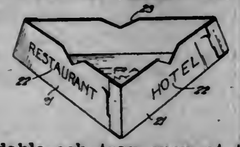
on the interior thereof remote from said opening and secured with the bottom of the camera and extending forwardly therefrom and engageable about a corner of the case at said open end with the camera above the case to secure the camera against rearward movement with reference to the case.

2,298,145
LIFTING GRAPPLE
Kenneth William Merrylees, London, England
Application November 12, 1941, Serial No. 418,810
In Great Britain January 16, 1941
6 Claims. (Cl. 294—114)



1. A grapple for lifting cylindrical articles, comprising a yoke consisting of two horseshoe-shaped plates spaced apart in axial alignment so as to enclose a cavity in each limb of the yoke, a block sliding loosely between the plates of each limb, and means for guiding the block in its sliding movement between the grappling position in which it projects partly across the mouth of the yoke and the position in which it is housed in the relative cavity.

2,298,146
ASH TRAY
Clarence M. Mersbach, Chicago, Ill.
Application June 30, 1938, Serial No. 216,709
1 Claim. (Cl. 229—32)

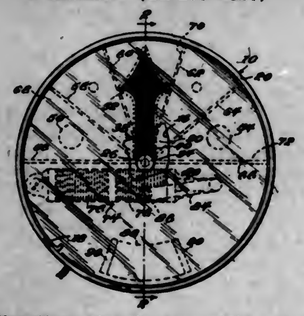


A discardable ash tray open at the top and formed from a single blank of flexible relatively stiff paper or the like faced on both surfaces with bright heat-reflecting metal foil, said foil functioning to prevent transmission of damaging heat to a surface supporting the tray, said tray having a polygonal bottom and having its side walls inclined inwardly so as to overhang said bottom to form with said bottom acute-angled pockets in the corners of the tray for preventing displacement of ashes by air currents and the like, said inclined walls each lying in a single plane and having adjacent their ends interlocking tabs and slots for holding said walls in inwardly inclined position.

2,298,147
TEXTILE PRINTING PROCESS
Charles Franklin Miller, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 13, 1940, Serial No. 345,303
4 Claims. (Cl. 8—65)

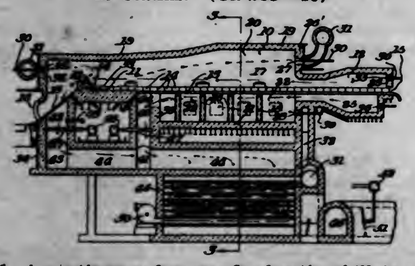
1. A process for the production of resist designs under vat color dyeings which comprises printing a textile fabric with an emulsion containing wax and a hydrolyzable aluminum salt, drying the printed fabric to obtain a temporary water repellency in the printed portions of the fabric, and then dyeing the printed fabric with a vat dyestuff to provide a ground color.

2,298,148
DIRECTION SIGNAL
Wallace E. Moessner, Washington, D. C.
Application July 17, 1941, Serial No. 402,817
2 Claims. (Cl. 177—327)



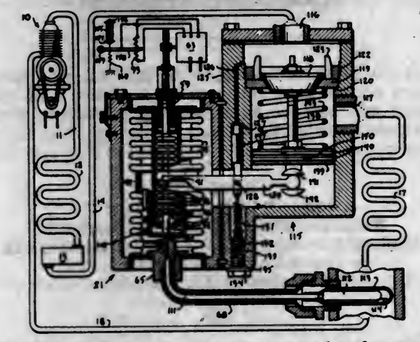
1. A direction signal, comprising a circular housing having an open face, a horizontal partition dividing the housing into an upper and lower compartment, radially extending partitions dividing the upper compartment into several compartments, a lamp in each of said compartments, a shaft mounted at the center of the horizontal partition, an opaque disk mounted for rotation about the axis of said shaft and having a transparent direction pointing needle to be brought into selective positions in relationship with the several compartments, a weight on said disk for normally holding the same with the needle in a vertical position, and electric magnets for moving the opaque disk to the right or left to indicate a right or left hand turn.

2,298,149
CONTINUOUS HEATING FURNACE
William A. Morton, Mount Lebanon Township, Allegheny County, Pa., assignor to The Amsler-Morton Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 31, 1940, Serial No. 337,988
15 Claims. (Cl. 263—40)



1. A continuous furnace for heating billets and the like comprising upper and lower interior portions which during the operation of the furnace are separated into distinct and non-communicating chambers by the row of billets passing through the furnace on spaced apart skids supported by continuous solid walls, and independently controlled separate means for introducing heating flames into and withdrawing the products of combustion from each of said chambers to heat the billets from above and below.

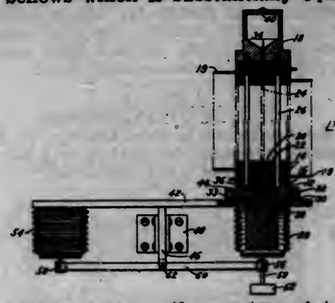
2,298,150
EXPANSION VALVE
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 26, 1938, Serial No. 192,818
27 Claims. (Cl. 62—127)



3. In a refrigeration system, a pair of opposed extensible chambers, a wall member separating said chambers and rigidly connecting one end of one of said chambers to one end of the other of said chambers, a valve seat, a valve member cooperating with said valve seat to control the flow of refrigerant therethrough to the evaporator of a refrigeration system, means operatively connecting said valve member to the wall member between said chambers, means connecting one chamber to the low pressure side of the refrigeration system, means exposing the other chamber to a pressure which corresponds to the temperature of the refrigerant at the evaporator outlet, a bellows within said last named chamber and connected to said wall member, said bellows rendering the effective area of said wall member less than the total area thereof by such an amount as to insure the maintenance of a constant degree of superheat at the evaporator outlet for varying degrees of pressure and temperature at said outlet.

2,298,151
SWITCHING APPARATUS
Kirk A. Oplinger, Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 14, 1941, Serial No. 393,319
8 Claims. (Cl. 200—140)

1. In a sealed switching apparatus having a plurality of conductor members disposed in spaced relation, in combination, a bellows associated with the conductor members, a conducting liquid carried in the bellows, the bellows being so disposed as to be operated to effect a movement of the conducting liquid in the sealed apparatus to progressively bridge the conductor members, a gas capable of reducing arcing carried in the sealed apparatus associated with the conductor members and exerting a force on the conducting liquid, the gas being affected by a change in temperature or atmospheric pressure to change its volume and force to effect a movement of the bellows, and means external of the bellows responsive to the change in the temperature or atmospheric pressure for applying a force to the bellows which is substantially equal and



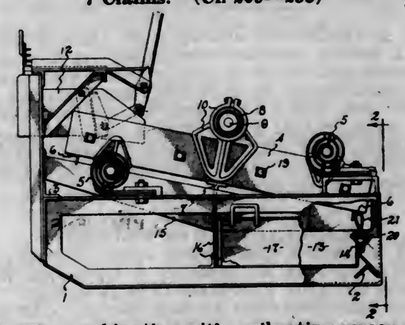
opposite to the force of the gas to maintain the operation of the switching apparatus substantially unaffected by the change in the temperature or atmospheric pressure.

2,298,152
DECORATIVE MEMENTO
Lorence O'Russa, Princeville, Ill.
Application March 7, 1941, Serial No. 382,216
1 Claim. (Cl. 41—10)



A decorative memento comprising an originally flexible article of apparel enclosed in and intimately bonded to a case of transparent plastic material conforming closely in shape to that of the article of apparel and of sufficient thickness to provide the article with a firm relatively rigid supporting structure, whereby the original coloring, marking, and general appearance of the article are preserved while it is protected against deterioration and soiling.

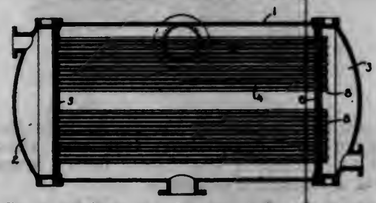
2,298,153
VIBRATING SCREEN
Gustave A. Overstrom and George Overstrom, Eagle Rock, and Conrad Overstrom, Pasadena, Calif.
Application July 2, 1941, Serial No. 400,764
7 Claims. (Cl. 209—255)



1. The combination with a vibrating screen and a trough mounted under the screen so that the

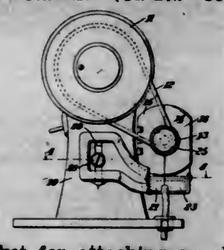
discharge end of the screen is spaced above the forward end of the trough, of a flexible member extending transversely of the screen and closing said opening, and means for firmly holding one edge of the flexible member, the other edge being free and held in line contact with the screen by the resiliency of the member itself.

2,298,154
SURFACE CONDENSER
Samuel Pennella, East Orange, N. J.
Application December 31, 1941, Serial No. 425,013
3 Claims. (Cl. 257—236)



1. In a surface condenser, tube sheets, water circulating tubes carried by and extending from one tube sheet to the other and projecting beyond the tube sheet at the outlet ends of the tubes only, said tubes being of uniform external diameter throughout their entire length, and means establishing fluid-tight connection between the tubes and tube sheets, said means constructed and arranged to hold the tubes against movement relative to the tube sheet at the inlet end under normal operation of the condenser but to permit the tubes under impact to be driven longitudinally through the tube sheets to allow the inlet ends of the tubes to be cut off without disrupting the connection between the tubes and the tube sheets.

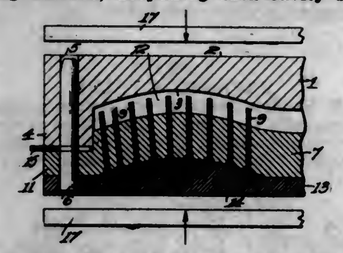
2,298,155
ELECTRIC DRIVE FOR SEWING MACHINES
Kenneth Perkins, Scotch Plains, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 18, 1940, Serial No. 357,204
4 Claims. (Cl. 172—36)



1. A bracket for attaching an electric motor to a sewing machine comprising an L-shaped member with one of its ends provided with means for attachment to a sewing machine and its other end being U-shaped to receive depending walls formed on the motor casing, said depending walls and U-shaped portion forming between them a closure for the electrical connections to the motor.

2,298,156
MANUFACTURE OF BRUSHES
Earl R. Person, Leominster, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 13, 1940, Serial No. 370,029
19 Claims. (Cl. 18—36)

19. The method of making a brush which comprises placing bristles in a die with their ends extending thru a die cavity therein to contact a limiting surface, deepening said cavity so that



said bristle ends stop short of said surface, flowing a plastic material into said cavity, and utilizing said surface as a molding surface to form the rear face of the brush.

2,298,157
MASSAGING DEVICE
Olga Lea Phillips, London, England
Application June 24, 1941, Serial No. 399,459
In Great Britain February 4, 1941
3 Claims. (Cl. 128—62)

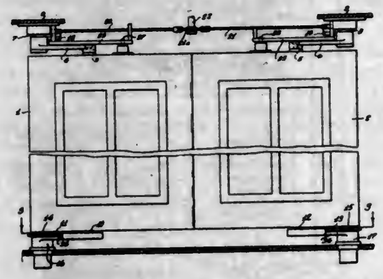


1. A massaging device having a massaging head connected by a tube with a hollow handle, said head being formed with a passage in communication with said tube, and means for forcing plastic material from said hollow handle through said tube and said passage, said means including two telescopic tubes constituting parts of said handle, one of which is connected detachably with the tube with which said massaging head is connected.

2,298,158
DOOR SUSPENSION AND ACTUATING MEANS
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, a corporation of New York
Application November 29, 1940, Serial No. 367,825
10 Claims. (Cl. 268—30)

1. The combination with a door leaf, of independent means at top and bottom ends of said leaf supporting the leaf for translation around one axis and rotation around another axis, means at one end for causing rotation of the leaf incident to translation, means operable by external forces for causing translation of the first named means at said end, and means at the other end

of the leaf responsive to forces transmitted through the leaf for causing translation of said



other end simultaneously with the first end in response to rotation initiated at said other end.

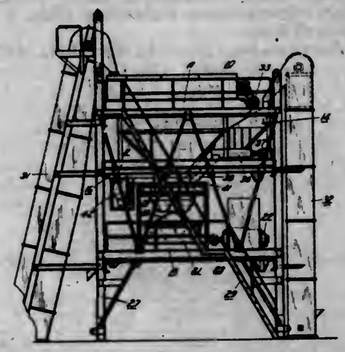
2,298,159
PREPARATION OF FRESH MEATS
Karl G. Plitt, Sr., Karl G. Plitt, Jr., and Eugene A. Plitt, St. Louis, Mo.
No Drawing. Application December 13, 1939, Serial No. 308,948
3 Claims. (Cl. 99—107)

1. The described method of processing low-fiber, high-protein meats, which includes the steps of extracting the fresh meat for a protracted period with a saline solution, removing the extraction solution from the meat, freezing the meat to substantial solidity through its mass, thawing the mass to an extent to permit slicing, thereafter slicing the meat for dispensing, and in superposing the slices at a substantial angle to their original relative positions in the meat mass, and causing adherence of the slices in units for dispensing.

2. The herein described method of tenderizing and homogenizing fresh meats, which consists in confining the meat mass and subjecting it while confined, to a physical pressure of the order of 200 to 250 pounds per square inch, subjecting the meat while maintaining the pressure thereon, to temperatures or the order of plus 15° F. for a period of time of forty to fifty hours; restoring the temperature of the meat to a point slightly above freezing and while at the last said temperature slicing the meat; cross-piling the slices so that adjacent slices are at a substantial angle to their original relative positions in the meat mass, and subjecting the superposed slices to a moderate pressure sufficient to cause adherence of the slices, through the meat juices liberated by pressure and freezing, in laminated virtually homogenous units for dispensing to the trade.

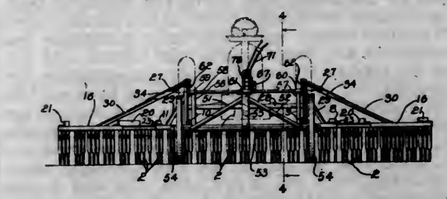
2,298,160
PORTABLE MIXING PLANT
Harold C. Pollitz, Cedar Rapids, Iowa, assignor to Iowa Manufacturing Company, Cedar Rapids, Iowa, a corporation of Iowa
Application September 23, 1940, Serial No. 357,881
14 Claims. (Cl. 259—153)

1. In a material mixing plant including mobile units, a tower, and corner members for the tower, means including a frame on one of the mobile units for spacing the bases of the corner members of the tower, said means including pivotal connections with the spacing means, about which pivotal connections the corner members are rotatable for erection, shafts through the pivotal connections having sheaves thereon, means for driving the shafts, and cables adapted to be



wound and unwound on the sheaves and to be utilized in erecting and dismantling the tower.

2,298,161
CULTIVATOR
Samuel Straughan Robinson, Jr., Albany, Ga., assignor to Lilliston Implement Company, Albany, Ga., a corporation of Georgia
Application August 3, 1940, Serial No. 350,778
8 Claims. (Cl. 97—233)

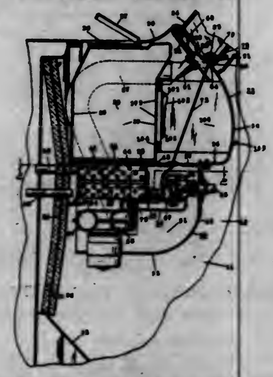


1. In a cultivator including a main cultivator frame having an auxiliary cultivator frame pivotally connected at the end thereof; the combination of two pivotally connected linkage arms having one end thereof pivotally connected to the auxiliary cultivator frame and the opposite end connected pivotally to the aforesaid main frame, wing members affixed to the said linkage arms and the said wing members projecting substantially at a right angle to the said linkage arms in such a manner as to limit pivotal movement of the said linkage arms upon the said linkage arms being positioned substantially in longitudinal alignment, the said linkage arms being adapted to releasably lock the said auxiliary cultivator frame in a lowered operative position.

2,298,162
GELATINOUS SHEETS, FILMS, AND PLASTIC MASSES
Anderson W. Ralston, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 12, 1937, Serial No. 174,265
7 Claims. (Cl. 106—136)

1. A solution for forming articles of the class consisting of sheets, films and filaments, comprising an aqueous solution of a water soluble protein film-forming material containing a small amount of a monoglyceride of a fatty acid having from six to twelve carbon atoms.

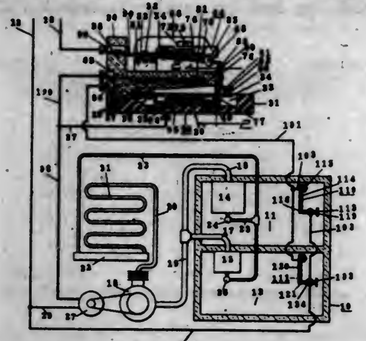
2,298,163
CONTROL APPARATUS
Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application May 29, 1940, Serial No. 337,850
7 Claims. (Cl. 237—2)



7. In combination, an automobile having a closable passenger compartment, said compartment having an air inlet, a windshield, an instrument panel, a ledge extending forwardly from the panel to the windshield, a device such as a radio adapted to generate heat and disposed in front of the panel and below the ledge; a heat interchanger interposed between the air inlet and the compartment; means forming a passage for conducting air, entering the inlet, about said device for cooling the same; control mechanism for changing the rate of heat exchange between the heat interchanger and the air; and means for regulating the control mechanism, said means including a valve, a pressure responsive expansible device for actuating the valve, a tube communicating with the device, said tube and device containing a volatile fluid, a portion of said tube being affected by the air which is intimately subjugated to changes in temperature of the exchanger and another portion of the tube being carried on said ledge adjacent the windshield, the volume of fluid in the tube being such that the fluid is partly vapor and partly liquid and that liquid is retainable in the colder of the two portions during normal operating temperatures of the system whereby the pressure responsive device is responsive solely to the colder of said two portions.

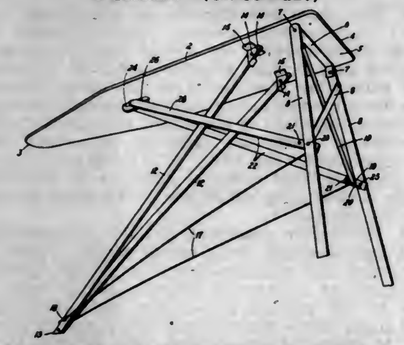
2,298,164
CONTROL SYSTEM
Roy E. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application March 9, 1939, Serial No. 260,714
9 Claims. (Cl. 62—4)

1. In a heat exchange system, a heat exchanger; a temperature responsive control device affected by temperatures of the exchanger; electrically operated means for circulating a heat exchange medium through the exchanger; a switch for controlling operation of the electrically operated means; and electrically energized means controlling the switch to start and stop operation of the circulating means for producing warming and cooling phases in the heat exchanger, said electrically energized means being energized to open said switch in response to a predetermined flow of current through said circulating means and said electrically energized means also being



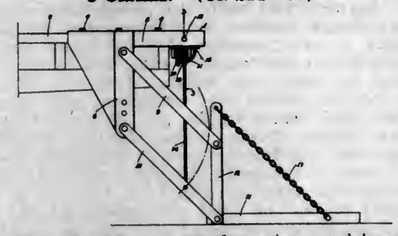
energized to open said switch in response to a certain temperature of said control device.

2,298,165
IRONING TABLE
Howard B. Rich, Cincinnati, Ohio, assignor to The Rich Ladder and Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application February 20, 1940, Serial No. 319,927
5 Claims. (Cl. 38—117)



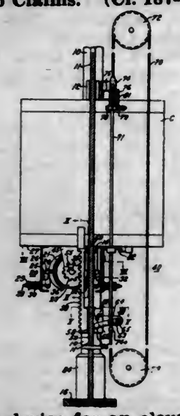
3. An ironing table which comprises in combination, a board having front and rear ends and an under surface, a front leg structure and a rear leg structure each pivoted on the board near its rear end for movement from a collapsed position in substantial parallelism with the under surface of the board to a position of extension away from the board, a rear leg brace structure having a free forward end, and a rear end pivoted to the rear leg structure, said free forward end being directed obliquely toward the under surface of the board in the extended condition of the leg structures, stop means for limiting pivotal movement of the front leg structure away from the board, means including tension rods connecting the front leg structure to the rear leg structure, and comprising stops limiting the extensile movement of the rear leg structure to a position determined by the stop means of the front leg structure, whereby extreme rearward movement of the brace structure places the leg structures under tension, a keeper on the free forward end of the rear leg brace structure disposed transversely of said free forward end, a latch body on the under surface of the board including a longitudinal guide slot directed substantially in alignment with the pivotal connection of the brace structure upon the rear leg structure when the brace structure is disposed at substantially its maximum inclination to the board, said slot accommodating the keeper, with maintenance thereof against the base of the slot by the tension imposed by the stops and tension rods aforesaid, a freely swinging latch element including a pivoted end supported by the latch body, and a hooked end to drop behind the keeper while the keeper is embraced by the guide slot and tensionally retained at the base of the slot, so that the hooked end will swing freely into position behind the tensionally restrained keeper without frictional contact therewith when the table with its leg structures extended and the keeper seated in the slot, is tilted from a substantially vertical position toward a substantially horizontal use position.

2,298,166
POWER TAILGATE
Philip Richards, Fresno, Calif.
Application May 10, 1941, Serial No. 392,919
8 Claims. (Cl. 214—75)



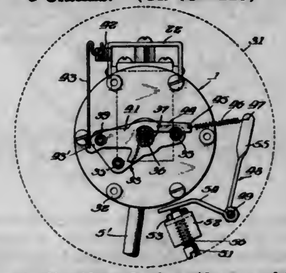
1. A truck tailgate attachment comprising vertical side brackets, means to mount the brackets on a truck in depending relation to the bed thereof, upper and lower parallel links pivoted on and projecting rearwardly from the brackets, a horizontal tailgate unit on which the links are pivoted at their rear end, means connected to a link on each side to control the swinging of the same to raise and lower the tailgate and a transverse platform rigid with and connecting the brackets at their upper end and forming a rearward extension of the truck bed from side to side thereof.

2,298,167
ELEVATOR SAFETY DEVICE
Lennie R. Rissler, Hohokus, N. J., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois
Application March 7, 1942, Serial No. 433,811
15 Claims. (Cl. 187—80)



9. A safety device for an elevator car operable along a guide rail in a hatchway comprising a shaft horizontally disposed on the under body of the car, a brake drum mounted on the inner end of the shaft, a brake shoe mounted on the car, means for biasing the brake shoe into a predetermined frictional engagement with the drum, a rack rail supported with a lost-motion connection on the car, a bumper mounted in the lower end of the hatchway in position to engage and stop the rack rail when it is moved down by the car nearing the bottom of the hatchway, and a rack wheel fixed on the outer end of the shaft and in mesh with the rack rail whereby further down movement of the car will drive the rack wheel along the rack rail and thus rotate the brake drum to decelerate the car at a predetermined rate.

2,298,168
DIFFERENTIAL PRESSURE MEASURING DEVICE
Claude L. Robinson, Michigan City, Ind., assignor to Consolidated Instruments Corporation, Michigan City, Ind., a corporation of Indiana
Application May 3, 1940, Serial No. 333,207
5 Claims. (Cl. 73—110)



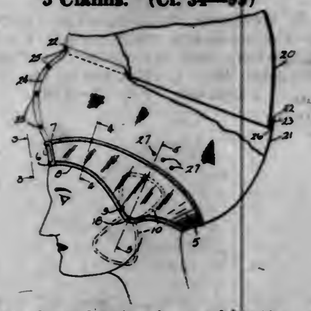
3. In an indicating device, the combination of a housing having a pair of chambers, an actuating diaphragm separating said chambers, an arm positioned in one of said chambers, secured at one end to the diaphragm, a second arm pivotally connected to said first arm and extending transversely thereto, a second diaphragm providing a seal for said housing and operatively connected to said second arm, a portion of the latter extending from the exterior side of the sealing diaphragm, a saddle having opposed legs, rigidly secured to the exterior end of said second arm, said legs being rotatably secured to the housing, the axis of rotation of said saddle lying substantially in the plane of said sealing diaphragm, an indicating dial secured to said housing, an indicating hand pivotally related to said dial, a driving pinion for said hand, a quadrant member pivotally related to said dial, having teeth thereon engageable with said pinion for rotating the same, a spring having one of its ends adjustably secured in relatively fixed relation with respect to the axis of said quadrant member, and the other end of said spring connected to said quadrant member, and means for operatively connecting said saddle and said member for transmitting saddle movement thereto.

2,298,169
MANUFACTURE OF DIPHENYLACETOPHENONE
Robert Robinson, Oxford, and Donald Mercer, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 4, 1941, Serial No. 417,854. In Great Britain October 30, 1940
3 Claims. (Cl. 260—590)

1. Process for the manufacture of diphenyl-

acetophenone which comprises causing benzene and benzoin to interact in presence of a strongly acid condensing agent capable of removing the elements of water, selected from the group consisting of sulphuric acid of 70% to 100% strength, oleum, phosphorus pentoxide and chlorosulphonic acid, the quantity of the condensing agent, in the case of those which are also sulfonating agents, being sufficient to absorb the water formed in the reaction but insufficient to effect sulfonation of the benzene employed.

2,298,170
HEAT DEFLECTOR
Vera E. Robinson, Chicago, Ill.
Application July 22, 1939, Serial No. 285,892
5 Claims. (Cl. 34—99)



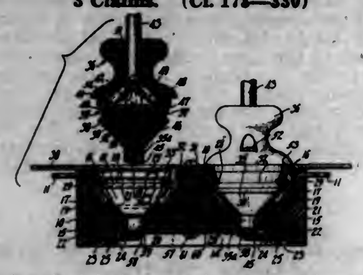
1. A hair dryer having in combination, a form-sustaining hot air supply member, a substantially impervious form-sustaining head encircling band having ends provided with detachable fastenings for binding the band to the head of the patron with the lower margin in contiguous engagement therewith and the upper portion flaring outwardly therefrom, and a relatively flexible substantially impervious connecting strip having a lower margin connected to the band, an upper margin detachably connected with the hot air supply member, and ends provided with detachable connections adapted to form a closed chamber above the band, whereby the ends of the band and the connecting member may be separately secured together to provide a chamber in which hot air may be confined and circulated in contact with the hair of the patron.

2,298,171
SLIDE FASTENER CONSTRUCTION
Gustav G. Rona, New York, N. Y.
Application December 10, 1940, Serial No. 369,416
7 Claims. (Cl. 24—207)



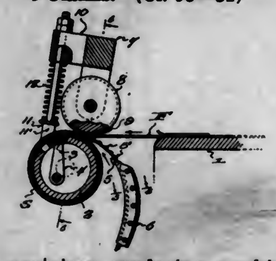
6. In an article having an opening therein, the walls of which may be spread apart, beads provided on the walls of said opening lengthwise thereof, said beads being progressively thicker from one end to the other, and a fastening device including a plurality of separate individual closure elements slidably supported on said beads at their small ends when in open position, and movable lengthwise of said opening to various spaced distances to cause the walls of the opening to be brought together to close said opening, the interior of said closure elements being graduated in size to engage at various points along the tapered beads.

2,298,172
ELECTRICAL CONNECTOR
Leo W. Rose and John C. Lindberg, Dover, and John J. Moffitt, New Philadelphia, Ohio
Application March 21, 1941, Serial No. 384,430
3 Claims. (Cl. 173—330)



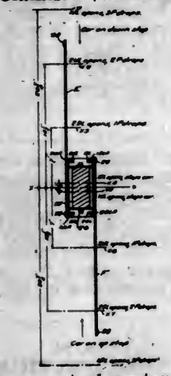
1. An electrical connector comprising a male and a female element, said female element comprising a metal contact shell of frusto-conical shape that is open at both ends, and formed adjacent its larger end with an inwardly extending circumferential rib, the larger end portion of the shell being axially slit at a plurality of points, means circumscribing the slitted portion of the shell yieldingly opposing distension thereof, a pair of normally energized electrical contact springs disposed beyond the opening at the smaller end of the shell, said opening being too small to receive a human finger and an electrical contact member connected to said shell and extending to a point adjacent one of said contact springs, said male element comprising a frusto-conical plug of dielectric material receivable in said shell and formed with a circumferential groove in which the rib of the shell is engageable, a metal contact ring about the said plug adapted to make electrical contact with the metal of the shell, and a metal contact member on the small end of the plug adapted to engage one of the contact springs of the female element and make electrical contact therewith through the open small end of the shell, and to force the other contact spring of the female element into contact with the contact member that is connected to the shell.

2,298,173
CONTAINER PRODUCING MACHINE
Harold E. Rue, Wauwatosa, Wis., assignor to Pabst Brewing Company, Chicago, Ill.
Application May 8, 1941, Serial No. 392,412
6 Claims. (Cl. 93—81)



1. In a container producing machine, a rotated mandrel for receiving a fibrous web and winding the same to provide a plurality of layers, means for guiding a metallic strip having longitudinally alined struck out prongs between turns of said web, a pressure roller cooperating with said mandrel for engaging the web upon opposite sides of the prongs to force the web toward said strip and cause the prongs to pierce and project beyond the web, and means for subsequently engaging the ends of said prongs and folding the same back upon said web.

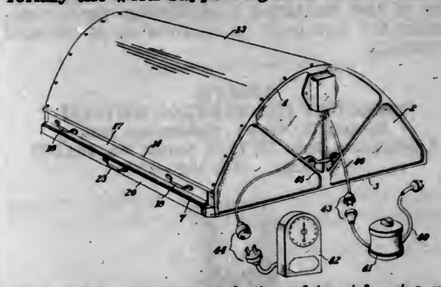
2,298,174
ELEVATOR CONTROL SYSTEM
Danilo Santini, Tenafly, N. J., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois
Application September 4, 1941, Serial No. 409,491
11 Claims. (Cl. 187—29)



7. An elevator control system comprising an elevator car serving a landing floor in a hatchway, two magnetizable inductor plates mounted in vertical, spaced apart and overlapping position on the inner walls of the hatchway adjacent to the landing floor, an inductor relay mounted on the car in position to pass between the plates when the car is moved up or down in the hatchway, a coil for energizing the relay, four armatures mounted on the inductor relay in position to be operated successively in one sequence by the induction of said plates when the car approaches an up stop at the landing floor with the inductor relay energized and to be operated in another sequence by the induction of said plates when the car approaches a down stop at the landing floor with the relay energized, a plurality of speed decelerating relays, and circuits responsive to operation of the armatures for always operating the speed decelerating relays in the same sequence regardless of the direction of travel of the car when it approaches a stop at the floor.

2,298,175
HEATING APPARATUS
Carl R. Schenk, Jersey City, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 7, 1940, Serial No. 355,769
7 Claims. (Cl. 219—34)

1. A heating apparatus of the class described comprising, two end-sections each formed with a flat base and a substantially parabolic upper surface, a base-board having its opposite ends secured to the end-sections adjacent the flat bases thereof, a reflector overlying at least a portion of said upper surfaces and secured thereto so as to conform to the substantially parabolic shape thereof, said reflector having its front edge vertically spaced from said base-board to provide an opening, a retractable work-receiving tray slidable through said opening and adapted normally to be positioned beneath said reflector and when so positioned to completely close said opening, and a lineal heating unit extending substantially the full length of said reflector and disposed relative thereto so that the rays of radiant energy emanating from the heater cover uniformly the work-supporting surface of said tray,



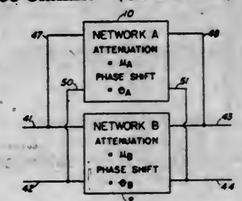
said heating unit being fastened to at least a portion of one of said end-sections and removable with said portion as a unit and being unattachably supported at its other end by the other of said end-sections.

2,298,176
SWIVEL UNIT
Nathan Rodney Schwartz, New York, N. Y.
Application December 26, 1940, Serial No. 371,691
4 Claims. (Cl. 287—87)



1. A swivel unit comprising a housing, a ball in said housing, a spindle integral with said ball and extending from said housing, means within said housing adapted to press said ball upwardly against said housing, means integral with said housing to support said pressing means, said housing having a plurality of slots extending from the apex downwardly to points therebelow in which the spindle may be turned angularly to within 180 degrees, said spindle being adapted to be rotated on its axis.

2,298,177
ELECTRIC FILTER CIRCUIT
Hermon Hosmer Scott, Somerville, Mass., assignor to General Radio Company, Cambridge, Mass., a corporation of Massachusetts
Application May 25, 1939, Serial No. 275,721
53 Claims. (Cl. 178—44)



24. An electric filter having a peak of attenuation at a predetermined frequency and provided with an input circuit, an output circuit, and two transmission paths connected in parallel between the input and output circuits, the transmission

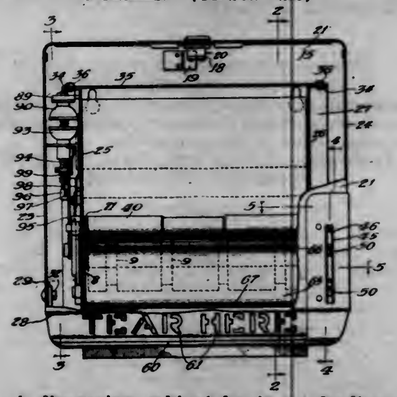
paths providing at the said frequency substantially the same degree of attenuation and having at the said frequency phase shifts in the same sense differing by between 90 and 270 degrees plus or minus 360 degrees, the attenuation characteristic of the combined transmission paths containing the said peak of attenuation at the said frequency.

2,298,178
MERCURY CONSERVING SWITCH
Joseph H. Staley, Columbus, Ind.
Application July 28, 1941, Serial No. 404,262
4 Claims. (Cl. 200—152)



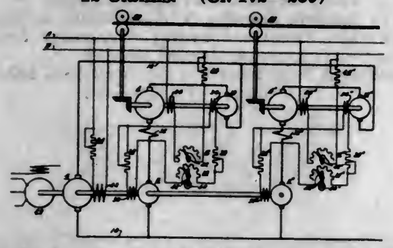
1. In a mercury switch for low voltages, means for conserving the quantity of mercury required per switch comprising a pair of cupped metallic members; one of said members having a central inwardly protruding boss defining an annular channel therearound; a cylindrical, open end insulating sleeve; said cupped member having said boss being sealably engaged over an end of said sleeve, and the other cupped member being sealably engaged inside of the sleeve to extend toward the other member to leave an annular gap therebetween; and a quantity of mercury within the closed chamber formed by said cupped members with said sleeve, said mercury quantity being limited to be just sufficient to bridge said gap at one side of said boss when the switch is turned to have the boss-cupped member undermost.

2,298,179
CABINET FOR DISPENSING SHEET MATERIAL
Frank G. Steiner, Miami Beach, Fla., and Rudolph G. Birr, Lombard, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Original application March 25, 1940, Serial No. 325,686. Divided and this application April 21, 1941, Serial No. 389,596
6 Claims. (Cl. 271—2.3)



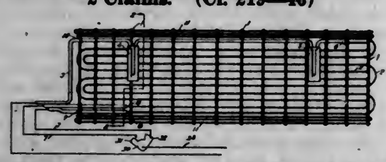
1. A dispensing cabinet having a feeding roll and having a front wall having a slot therein, a wheel having radial fingers, one only of which projects through the slot at the same time, said wheel being adapted to rotate the roll.

2,298,180
CONTROL SYSTEM
Glenn E. Stoltz, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 26, 1941, Serial No. 380,625
12 Claims. (Cl. 172—239)



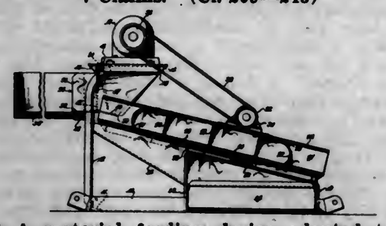
1. In a control system for a motor having an armature connected to be energized from a source of power, generating means connected in series circuit relation with the armature of the motor, and means responsive to the motor armature current and the product of the motor armature current and the motor speed for varying the net potential of said generating means.

2,298,181
ELECTRIC THERAPEUTIC BANDAGE
Emil Stransky, Erie, Pa., assignor to Gerrit Van Daam, Buffalo, N. Y.
Application October 7, 1940, Serial No. 360,121
2 Claims. (Cl. 219—46)



1. In a comparatively small electric therapeutic bandage in combination, interwoven warp and weft elements, the weft element comprising resistance wires wound in multiple, lead wires connected to said resistance wires and woven into said element, a wire common to said resistance wires connected thereto and woven into said element, strain relief members on said common wire and said lead wires woven into said element, thermostats in said common wire woven into said element, and sheets secured on opposite sides of said heating element.

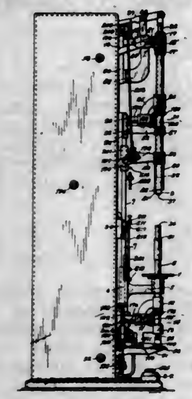
2,298,182
VIBRATING SCREEN
Harry Louis Strube, Philadelphia, Pa., assignor to Link-Belt Company, a corporation of Illinois
Application November 25, 1939, Serial No. 306,171
7 Claims. (Cl. 209—243)



6. A material feeding device adapted to be

associated with a vibrating screen surface for delivering material to said surface, said device comprising a chute having a bottom plate and two upstanding side plates cooperating with the bottom plate to define an outlet end, said bottom plate having means formed therein and arranged to discharge a portion of the material passing through the chute downwardly in advance of and in a substantially parallel relation to the outlet end edge of the bottom plate, and means in the feed chute and including a plurality of independently pivotal gates for either completely stopping or varying the volume of flow of material passing through different transverse portions of the discharge means and the end of the chute and for controlling the distance to which the material may be discharged beyond the outlet end edge of the bottom plate to take care of variations in volume and velocity of flow of the material.

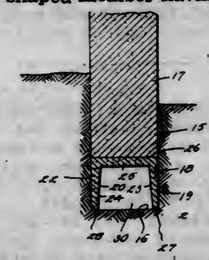
2,298,183
MACHINE FOR SUBSTITUTING CORES FOR THE CORES IN YARN PACKAGES
Theodore A. Susen, Winnetka, Ill., assignor to Phoenix Dye Works, Chicago, Ill., a corporation of Illinois
Application April 11, 1940, Serial No. 329,017
34 Claims. (Cl. 29—87.1)



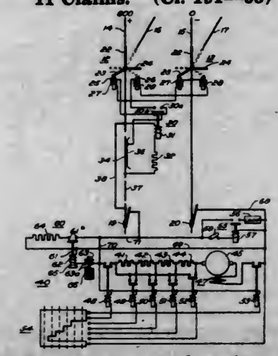
1. A machine for substituting a spiral spring as a core for the core of a textile yarn package comprising means for gripping and rotating the ends of a spiral spring in opposite directions to reduce the diameter of the spiral spring, a holder for carrying a package of yarn having a core about which the yarn is wound, means for moving said holder toward the spiral spring, means for preventing continued movement of the core in the yarn package as said holder continues to move the yarn package over and upon the spiral spring, and means for effecting the release of said gripping means whereby to release the spiral spring while disposed within the yarn package and before the yarn package is removed from said holder.

2,298,184
BUILDING AND FLOOR FOUNDATION
Herbert J. von Rosenberg, San Antonio, Tex.
Application May 31, 1941, Serial No. 396,112
6 Claims. (Cl. 72—77)

1. In a building foundation construction including a monolithic grade beam, means for supporting said beam with the lower edge thereof spaced from the ground, said means comprising a precast U-shaped member having vertical outer sides and disposed in inverted position whereby to form a closed air chamber below said beam.



2,298,185
TROLLEY FROG CONTROL SYSTEM
Charles C. Whittaker, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 28, 1942, Serial No. 428,495
11 Claims. (Cl. 191—38)



1. A trolley frog control system comprising, relay means for selectively controlling the operation of the trolley frog operable in response to predetermined circuit conditions on a passing vehicle having a power controller therefor, means effecting momentary deenergization of the principal circuits on the vehicle prior to operation of the relay means, and auxiliary circuit means on the vehicle effecting predetermined circuit conditions on the vehicle independently of the vehicle power controller to provide for operation of the relay means.

2,298,186
ESTER
John C. Woodhouse, Wilmington, and Kenneth E. Walker, Elmhurst, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 25, 1939, Serial No. 301,300
23 Claims. (Cl. 260—411)

1. A process for the preparation of an organic ester of a β-(alkoxyalkoxy) alcohol which comprises reacting an ester with an alcohol having the formula:

$$\begin{matrix} R_1 \\ | \\ ROCOC.H_{12}.OH \\ | \\ R_2 \end{matrix}$$

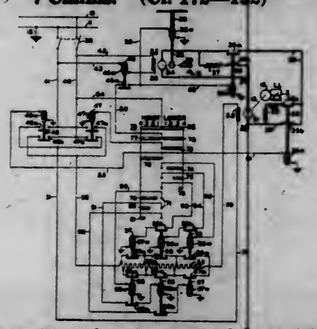
wherein R is a hydrocarbon radical, R_1 and R_2

are radicals of the group consisting of hydrogen and hydrocarbon radicals and n is an integer greater than 1.

2,298,187
BAKING POWDER COMPOSITION
John C. Woodhouse, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 24, 1940, Serial No. 331,413
16 Claims. (Cl. 99—95)

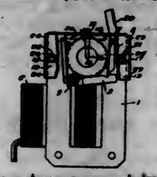
1. In a process of leavening, the step which comprises incorporating, as a leavening agent in the mass to be leavened, a baking carbonate and an aliphatic organic oxy-substituted carboxylic acid amide.

2,298,188
MOTOR CONTROL SYSTEM
David C. Wright, Euclid, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 20, 1941, Serial No. 394,321
7 Claims. (Cl. 172—132)



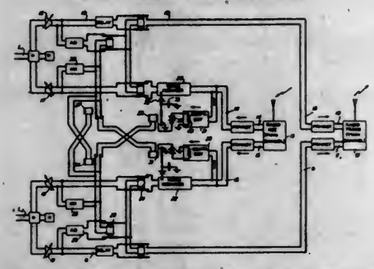
3. In a system of motor control for raising and lowering a load, the combination with a separately excited motor drivingly connected to said load, a generator connected in a closed circuit with said motor, said generator having a separately excited field winding and a differentially connected series field winding, and means for selectively varying the polarity of said separately excited field winding of the generator to cause said motor to selectively raise and lower said load, of means operable for rendering said series field operative and inoperative selectively, whereby said motor is controllable while both hoisting and lowering said load.

2,298,189
ELECTRIC MOTOR
George C. Armstrong, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 19, 1940, Serial No. 346,255
16 Claims. (Cl. 172—126)



9. An electric motor comprising in combination, a magnetic stator core having a pair of pole faces, means for periodically energizing said core, a rotor having a circular surface which rests on and is supported by one of said pole faces and which is adapted to roll and slide on the said one pole face under the influence of said energizing means, said rolling and sliding surfaces of the pole face being at an angle of less than 90° with respect to the surface of the other of said pole faces, said stator core comprising a plurality of substantially U-shaped laminations having a slot in one of its legs, a separate metallic piece which fits in said slot and has an upper surface for accommodating rolling and sliding of said rotor which upper surface is disposed at an acute angle with respect to the surface of the other pole face, a slot on said upper surface, and a flat spring having an end fitting on said slot and the other end supported against its adjoining pole face so as to bias said rotor towards the other pole face.

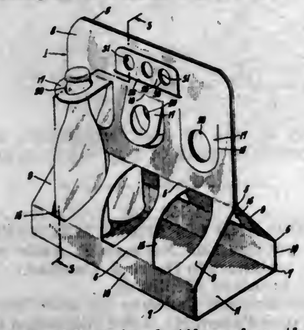
2,298,190
SUPPRESSION OF CROSS TALK
Bjorn G. Bjornson, Brooklyn, and Harold J. Fisher, Port Washington, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 3, 1941, Serial No. 391,660
6 Claims. (Cl. 179—78)



1. In a twin-channel radio telephone system in which respective side-bands of the radiated wave carry different speech messages and in which cross-talk from an active channel to an idle channel occurs, means operated under control of speech-representing waves in an active channel for introducing loss into the opposite channel when idle to reduce the magnitude of the cross-talk currents therein, and means operated in response to speech-representing waves impressed on the latter channel for removing said loss.

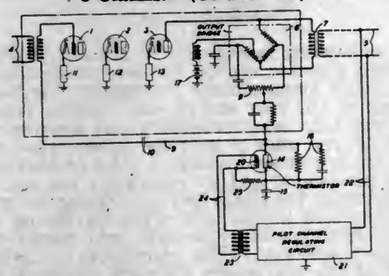
2,298,191
BOTTLE CARRIER
George W. Boh, Chattanooga, Tenn., assignor to O. B. Andrews Company, Chattanooga, Tenn., a corporation of Tennessee
Application February 7, 1938, Serial No. 189,069
1 Claim. (Cl. 224—45)

A collapsible bottle carrier comprising a one piece blank adapted to be folded into a container to accommodate two rows of bottles therein and having a bottom, two lower side wall sections, two intermediate side wall sections, and a handle section, said lower side wall sections being hingedly connected to said bottom, said intermediate side wall sections being hingedly connected at their lower edges to the lower side wall sections and at their upper edges to the handle section so that when said carrier is in its erected condition said intermediate side walls will be disposed each at an angle to said lower side wall sections and to the handle section, said intermediate side wall sections having bottle receiving openings formed therein, said lower side wall sections in the region of the center bottles being so low as to expose the lower body



portions of said center bottles when they are in position in the carrier, said handle section having means formed by cut out portions thereof for engaging the necks of said center bottles to cooperate with said low wall portions in holding said center bottles, and said handle section also having a finger gripping opening formed therein.

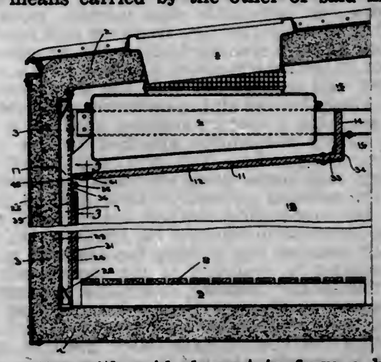
2,298,192
THERMISTOR CIRCUIT
John H. Bollman, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 26, 1941, Serial No. 424,455
8 Claims. (Cl. 219—19)



1. An indirectly heated type thermistor, a heater therefor, means tending to maintain the thermistor at an unidirectional potential different from that of the heater and a leak resistance connected between the thermistor and the heater to reduce the potential difference to negligibly low value.

2,298,193
RÉFRIGERATOR CAR CONSTRUCTION
Charles D. Bonsall, Chicago, Ill., assignor to Standard Railway Devices Company, a corporation of Delaware
Application April 26, 1940, Serial No. 331,704
6 Claims. (Cl. 62—17)

5. In a refrigerator car having a wall including lining means, a refrigerant container adjacent said wall, said car including a lading compartment and a flue disposed on opposite sides of said lining means, drip pan means below said container and structure for pivotally securing said pan means to said wall adjacent the upper edge of said lining means, said structure comprising an element carried by one of said means coextensive with said drip pan means, and means carried by the other of said means



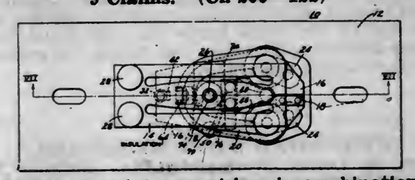
cooperative with said element to form a hinge, said element being constructed and arranged to direct liquid from the container into said flue.

2,298,194
BIRDPROOFING
Frederick W. Caldwell, New York, N. Y.
Application November 17, 1938, Serial No. 241,019
4 Claims. (Cl. 20—1)



3. Bird proofing material comprising at least three longitudinal wires, a plurality of transverse members each comprising a wire having a rounded bend with shanks extending from the bend to the longitudinal wires, said bends forming rounded projections, some of said transverse members being in spaced relation with the ends of their shanks affixed to the first and second of the longitudinal wires and others of the transverse members placed between those affixed to the first and second of the longitudinal wires with the ends of their shanks secured to the second and third of the longitudinal wires.

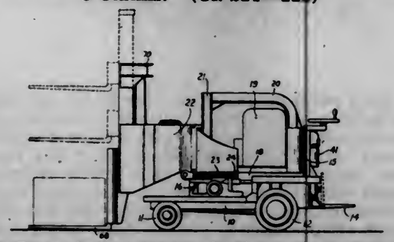
2,298,195
THERMOSTAT
Earl K. Clark and Paul R. Lee, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 21, 1940, Serial No. 341,624
9 Claims. (Cl. 200—122)



8. A thermostat comprising, in combination, a supporting structure, a snap-acting bimetallic member, means for attaching such member by one end thereof to the structure, a movable arm member, means for fulcrumly attaching such arm member to the structure intermediate the bimetallic member and such structure, cooperating

contacts including a movable contact insulatedly attached to the arm member and a stationary contact insulatedly attached to the supporting structure, an adjustable stop member movably attached to the supporting structure and passing through the arm member to limit the movements thereof, a resilient member attached to the arm member and cooperating with the stop member for guiding the free end of such arm and biasing such arm into a contact engaged position, a radiant heater insulatedly attached to the arm member intermediate the arm and bimetallic member, said heater being electrically associated with the movable contacts so as to produce heat when the cooperating contacts are engaged, and means attached to the arm for receiving the bimetallic member and moving the arm and movable contact in response to the movements of such bimetallic member, manually adjustable means passing through the arm member and attached to the bimetallic member for selectively adjusting the operations of such member, and means cooperating with the arm member and manually adjustable means for manually moving the arm member and disengaging the cooperating contacts.

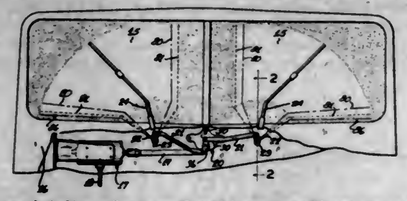
2,298,196
LOAD TRANSPORTING, SLEWING, AND TIERING DEVICE
Clyde E. Cochran, Cleveland, Ohio, assignor to The Elwell-Parker Electric Company
Application September 11, 1940, Serial No. 356,323
8 Claims. (Cl. 214—112)



1. In an industrial truck, the combination of a truck frame, a pivot mounting for a load slewing apparatus mounted upon the truck frame, a load slewing apparatus pivotally mounted thereon comprising a power housing structure arranged in counterbalanced relation to a load tiering mechanism, means associated with said pivot mounting for turning the load slewing apparatus in two directions, said load lifting mechanism comprising an upright frame, a load elevating carriage operatively mounted thereon and positioned to overhang the end of the truck frame and a hoisting mechanism driven by a motor all of which are arranged in counter balanced relation to the power housing structure and controller mechanism located adjacent the operator's position at one end of the truck frame for controlling the motor and for controlling the means for swinging the slewing apparatus.

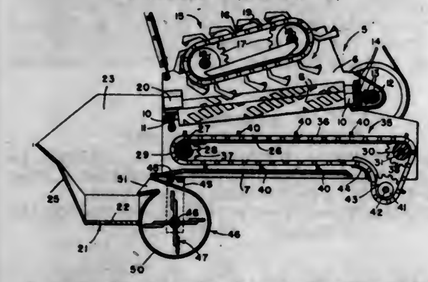
2,298,197
WINDSHIELD WIPER MECHANISM
Irven E. Coffey, Normandy, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application December 16, 1939, Serial No. 309,512
10 Claims. (Cl. 15—255)

1. In a windshield wiper, driven mechanism including a member supported for oscillation with the wiper blade, an oscillating driving member, a pivoted lever having eccentric connections to both of said members, and means to vary the



eccentricity of one of said connections so as to vary the operative path of said wiper element.

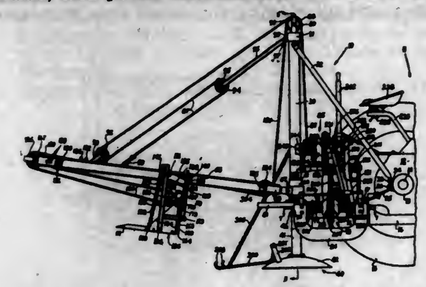
2,298,198
HUSKING AND CLEANING MECHANISM
Wilbur J. Coultas and Norman F. Andrews, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Original application January 28, 1939, Serial No. 253,386, now Patent No. 2,264,565, dated December 2, 1941. Divided and this application June 30, 1941, Serial No. 400,450
2 Claims. (Cl. 130—5)



1. In husking mechanism, a plurality of husking rolls disposed side by side over which ears of corn move longitudinally rearwardly thereon, a hopper at the rear end of said rolls to receive the ears that pass rearwardly and downwardly from the rear ends of the rolls, means below said rolls for conveying husks to a point of discharge upon the ground and for separating any shelled kernels from the husks and discharging the kernels into said hopper, and a fan having an exhaust duct positioned beneath said kernel discharge means and facing rearwardly to direct a blast of air rearwardly through the ears and through the kernels passing into said hopper.

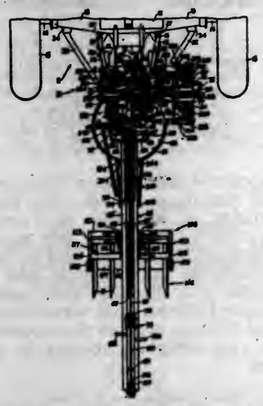
2,298,199
PORTABLE HOIST
Frank T. Court, Moline, and Harold M. Stueland, East Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 12, 1940, Serial No. 356,410
29 Claims. (Cl. 212—38)

1. A detachable hoist for a tractor having a body, a pair of oppositely disposed rear axle housings provided with implement supporting means and a power take-off shaft projecting rearwardly from said body, said hoist comprising in combination, a framework adapted to be mounted on said rear axle housings behind said tractor, a mast supported on the rear of said framework in a vertical position, a pair of winding drums disposed with their axes extending generally fore and aft, bearing means mounted on said framework for supporting the forward ends of said drums, bearing means mounted on said mast for supporting the rear ends of said drums, and power transmitting means for con-



necting said drums with said tractor power take-off shaft.

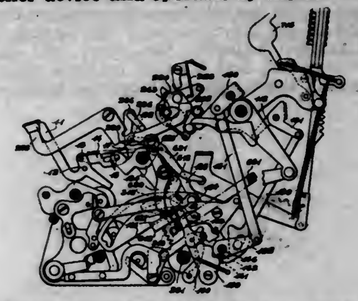
2,298,200
HOIST CONTROL MECHANISM
Frank T. Court, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 28, 1940, Serial No. 358,870
13 Claims. (Cl. 214—134)



1. In a material handling device, a track member, a carriage movable therealong, a bucket member mounted on said carriage by means providing for movement thereon between carrying and releasing positions, means for restraining movement of said carriage along said track member, and means responsive to movement of said bucket out of said carrying position for actuating said restraining means to hold said carriage against movement.

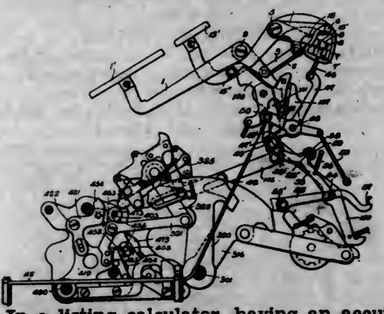
2,298,201
LISTING CALCULATOR
Loring Pickering Crosman, Maplewood, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application October 18, 1938, Serial No. 235,673
3 Claims. (Cl. 235—60)

1. In a listing calculator, means for accomplishing the registration and printing of true negative total values, comprising a spring-urged device, a latch therefor provided with a control member, means including a total key for engaging said control member to trip said latch, means for restoring said spring-urged device and said latch, and means for tripping said latch for the second time including a power driven device, a manipulable device, and a member positionable by either device and operable by the other device



to engage said control member and thereby trip said latch.

2,298,202
LISTING CALCULATOR
Loring Pickering Crosman, Maplewood, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application October 24, 1939, Serial No. 301,058
16 Claims. (Cl. 235—60)

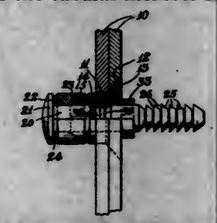


1. In a listing calculator, having an accumulator, sign control means, and means for adjusting the sign control means and for initiating registration of either of opposite signs in said accumulator including a normal operation key device having a plus bar and a reverse operation key device having a minus bar; each key device having a switch member and a cooperating member, and means for simultaneously and variably adjusting both switch members to operatively position the same with respect to the cooperating members of the opposite sign key devices, whereby depression of the plus bar will result in initiation of registration of either of opposite signs in said accumulator and depression of the minus bar will result in initiation or registration of either of opposite signs reverse to the sign of registration under control of the plus bar for a given adjustment of the switch members.

2,298,203
RIVET
Howard J. Eklund, Chicago, Ill., assignor to Rolyan Corporation, Chicago, Ill., a corporation of Illinois
Application April 2, 1941, Serial No. 386,397
8 Claims. (Cl. 85—37)

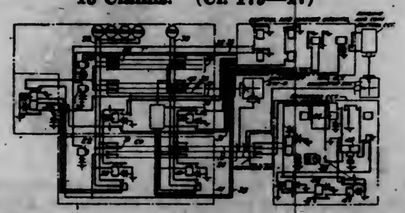
1. A rivet comprising, in combination, a tubular member adapted to extend through the structure to be riveted, a pin extending through said member and having a head on one end located beyond the tubular member, a ring mounted on

said pin between said head and said tubular member and adapted to be expanded over the adjacent end of the tubular member when the pin is pulled to set the rivet, said pin having a recessed portion adjacent the other end of the tubular member, and a collar integral with said other end of the tubular member and closely sur-



rounding said pin, said collar being adapted to be upset into said tubular member by the reactionary force arising upon setting of the rivet and thereby forcing metal into the recessed portion of the pin in interlocking relation without materially altering the shape of the tubular member whereby a minimum of force is required to effect such interlocking relation.

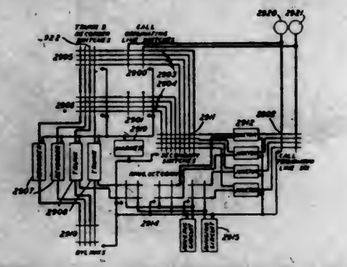
2,298,204
TELEPHONE SYSTEM
Edson L. Erwin, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 16, 1940, Serial No. 324,306
15 Claims. (Cl. 179—17)



1. In a telephone system, lines, a call originating switch having a holding magnet for each line, a call terminating switch having a holding magnet for each line, said lines appearing in both of said switches, linking circuits, means responsive to a line when calling for operating said originating switch and the holding magnet of both switches for said calling line for extending a connection from said calling line to an idle linking circuit, and means for operating said terminating switch for eastablishing a connection from said seized linking circuit to a called line and for operating the holding magnets of both switches for said called line.

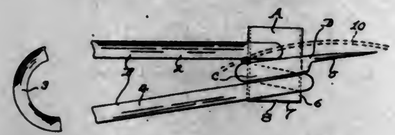
2,298,205
TELEPHONE SYSTEM
Edson L. Erwin, Towaco, N. J., and Frederick R. Lamberty, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 23, 1940, Serial No. 325,510
9 Claims. (Cl. 179—18)

1. In a telephone system, calling lines, called lines, linking and switching means, a plurality of ringing circuits, means operated when a call is made from a calling line for establishing a connection from said calling line to a called line over said linking and switching means, means operative when said connection has been established for associating an idle ringing circuit with said called line over said linking and switching means and for ringing the called line from said



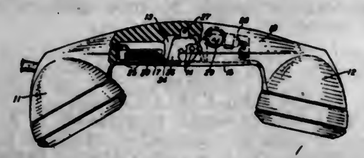
ringing circuit, and means responsive when the subscriber of the called line answers for releasin gsaid ringing circuit.

2,298,206
CAN OPENER
John A. Fluellen, Plymouth, W. Va.
Application November 7, 1941, Serial No. 418,259
10 Claims. (Cl. 30—22)



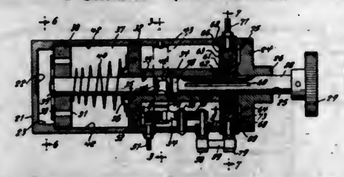
1. A can opener comprising, a fulcrum, a one-piece metallic handle and blade, said handle and blade comprising a metallic rod one end of which is attached to the top of said fulcrum and extends outwardly therefrom and is bent in a loop and returns to said fulcrum and is coiled about the same with its free end passing over the top of said fulcrum and extending beyond the same, and the top edge of the extending portion of said rod being sharpened to provide a cutting blade.

2,298,207
TELEPHONE SUBSTATION APPARATUS
Edgar W. Gent, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 24, 1940, Serial No. 371,567
2 Claims. (Cl. 179—103)



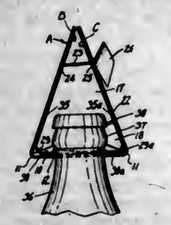
1. A hand telephone comprising means defining a resonant chamber, an acoustic signaling member within said chamber and having a natural period at the resonant frequency of said chamber, and actuating means within said chamber for said signaling member including a coil reciprocably movable in the direction of its longitudinal axis, a magnet in cooperative relation with said coil, and a striker member actuable by said coil and positioned to strike said signaling member.

2,298,208
ELECTRIC SWITCH
Percy Thomas Gilbert, Richmond Hill, and Louis Moskowitz, Brooklyn, N. Y., assignors of one-third to said Gilbert and two-thirds to said Moskowitz
Application May 17, 1941, Serial No. 393,882
4 Claims. (Cl. 200—33)



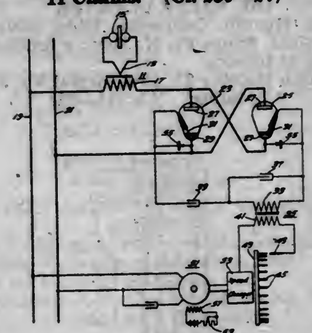
1. In a housing having a chamber provided with a piston slidable in said chamber, valve means associated with said piston, the piston rod of said piston extending through one wall of said chamber and having an indentation in the surface thereof, a member registering loosely in said indentation, circuit-opening and closing means adjacent said member, means cooperating with said indentation for closing said circuit means upon movement of said rod in one direction and for opening said circuit upon reverse movement of said rod, hydraulic means for delaying said movement of said rod in one of said directions, a switch associated with said housing having a plurality of contacts adapted to be connected to a plurality of separate loaded circuits and having means for selectively closing said circuits through said contacts, each of said circuits being connected in series with said first-named circuit means.

2,298,209
BOTTLE CARRIER
Harry Z. Gray, Lebanon, Ohio
Application November 21, 1939, Serial No. 305,491
2 Claims. (Cl. 224—45)



1. A bottle carrier adapted to be folded along parallel lines to provide a substantially flat bottom and side members extending upwardly therefrom, said carrier comprising a blank of foldable material formed with an aperture in its medial region, a second blank of similar material and smaller size overlaid upon one lateral region of the first mentioned blank and a major portion of the medial region thereof, and a third blank of similar shape and material overlaid upon the other lateral region of the first blank and over the major portion of the medial region thereof and overlapping a substantial marginal portion of the second blank, said second and third blanks being adhered to the first blank solely in the lateral regions of the latter, the overlapping marginal portions of the second and third blanks being formed with confronting recesses that together define an opening, which opening is coincident with the aperture in the medial region of the first blank and of smaller size than the latter.

2,298,210
SEAM WELDING TIMER
Finn H. Gulliksen, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 13, 1939, Serial No. 284,143
11 Claims. (Cl. 250—27)



1. For use in supplying power from a source of periodically pulsating potential to a load the combination comprising electric discharge valve means having a pair of principal electrodes including a cathode of the pool type interposed between said source and said load, said valve means having an ignition electrode in contact with said cathode, connections including capacitive and inductive reactances forming a parallel tuned circuit between said source and said ignition electrode and said connections also including means for in effect short-circuiting said inductive reactance.

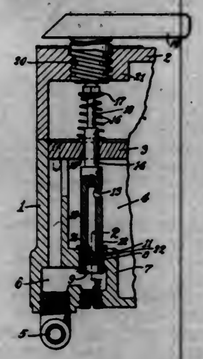
2,298,211
CONDENSER BUSHING
Joseph Gusik, Latrobe, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 13, 1939, Serial No. 284,149
4 Claims. (Cl. 174—143)



3. In an insulating bushing, a conductor, a wrapping of alternate layers of dielectric material and thin conductive metal foil surrounding said conductor, the outer layer of said wrapping being of dielectric material and having a peripheral groove cut therein to a depth equal to or greater than the distance of said outermost foil layer from its outer surface, means for making an electrical connection to the outermost foil layer from the outer layer of said dielectric material, comprising a sprayed metallic coating

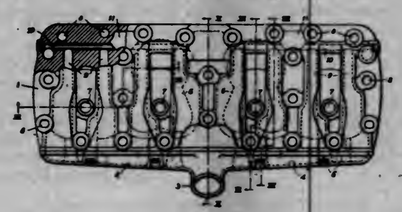
over the surface of said groove having at least a portion thereof in electrical contact with said outermost foil layer, and terminal means electrically connected to said metalized groove surface.

2,298,212
OIL VALVE CLEANER
Milton D. Huston, Columbus, Ohio, assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application October 21, 1940, Serial No. 362,112
15 Claims. (Cl. 251—29)



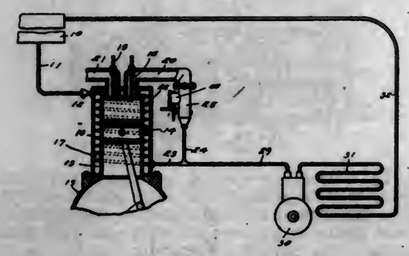
1. In combination, a valve seat, a movable valve element therefor, having a metering slot, means for adjustably moving the valve to vary the effective area of the metering slot to control liquid flow therethrough, and means for cleaning said metering slot in response to the adjustable movement of the valve element.

2,298,213
CYLINDER HEAD
Frank Jardine, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 1, 1940, Serial No. 359,214
5 Claims. (Cl. 123—171)



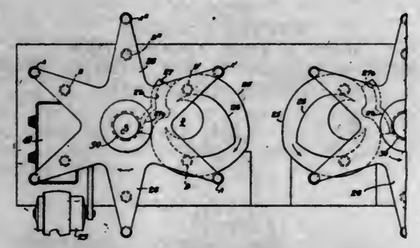
4. A liquid cooled metal cylinder head for an internal combustion engine, said head comprising a main section containing a plurality of combustion chambers, a plurality of transverse liquid chambers adjacent the walls of said combustion chambers, said liquid chambers having an outward draft throughout their length toward a side face of said main section, a fluid passage in said head extending longitudinally thereof and connecting said liquid chambers, a manifold detachably attached to said main section and extending longitudinally thereof across the ends of said liquid chambers, said manifold having a fluid passage therein having an outward draft toward said liquid chambers throughout its length.

2,298,214
COOLANT-FUEL MECHANISM AND METHOD
Nelson M. Jones, Sarasota, Fla., assignor to Green's Fuel, Incorporated, Sarasota, Fla., a corporation of Florida
Application July 24, 1942, Serial No. 452,223
3 Claims. (Cl. 123—170)



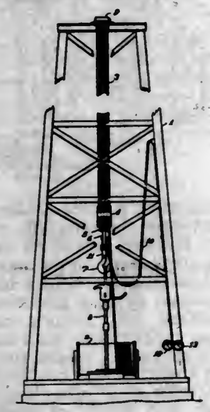
1. In a system wherein an internal combustion engine is cooled by expansion of liquid fuel into a gas and the latter is admixed with air and fired to drive the engine, returning a portion of the gas before admixture with air through a compressor and condenser back to the source of supply.

2,298,215
PERIODIC MOTION MECHANISM
Clarence C. Kinker, Montreal, Quebec, Canada
Application August 2, 1940, Serial No. 349,626
8 Claims. (Cl. 74—84)



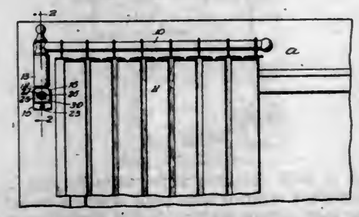
1. A periodic motion-producing apparatus including a rotatably mounted driving element, a rotatably mounted driven element, means to rotate said driving element at a substantially constant angular velocity, a composite cam assembly and gear assembly actuated by said driving element for alternately imparting motion from said driving element to said driven element, said cam assembly including two separate motion-controlling cams mounted on and movable with said driving element and a series of contact members mounted on said driven element and spaced circumferentially thereof and so arranged with relation to peripheral faces of said cams that one such face of said cam assembly is engaged by two contact members to hold said driven member against angular motion in either direction and so that two of such surfaces are engaged by one such member while said cam assembly is accelerating and decelerating said driven element, said gear assembly including gear teeth carried on and movable with said driving element and gear teeth carried on and movable with said driven member which periodically move into mesh with said first-mentioned gear teeth.

2,298,216
WEIGHT INDICATOR FOR ROTARY DRILLING
Edward H. Lamberger, Wilkinsburg, and Bernard F. Langer, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 26, 1939, Serial No. 296,596
6 Claims. (Cl. 265—1)



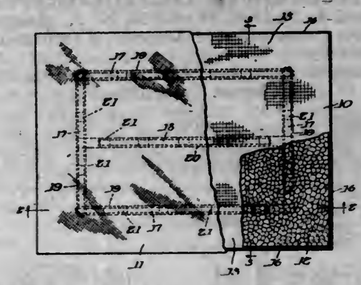
1. In a drilling apparatus for wells and the like, a hook for supporting a drilling string of tools, said hook having a substantially cylindrical shank portion, said shank portion having an elongated cavity located inside thereof along its axis, a magnetic type strain gauge which includes an electromagnet and an electrical metering circuit electrically connected thereto which provides a zero reading for a fully suspended load, said electromagnet being mounted within said cavity and having its core and its armature rigidly attached to spaced concentric threaded connections on said shank and being adapted for relative motion as the result of separation of said spaced connections due to elongation of said shank due to the load of said drilling string of tools, partition means extending substantially along the axis of said shank portion for rigidly supporting said core, said electrical metering circuit being adjusted to give a reading inversely proportional to the elongation of said shank portion.

2,298,217
SUPPORT FOR CURTAIN CRANES
Irwin W. Lemle, Chicago, Ill.
Application September 28, 1940, Serial No. 358,773
5 Claims. (Cl. 248—265)



1. A curtain crane support comprising the combination of a bracket-member provided with means for pivotally supporting the crane and with a hole at its upper end for pivotally attaching the bracket-member to a wall or frame, a plate-member adapted to fit against the wall or frame, means for fixedly attaching the plate-member to the wall or frame independently of the bracket-member, said members being provided with overlapping portions, the bracket-member having a slot therein, and means comprising a screw-threaded stud fixed to the plate-member and extending through the slot and a nut on the front end of the stud for adjustably clamping the overlapping portion of the bracket-member to the plate-member in different angular positions for securing the bracket-member against pivotal movement on its attaching means, said clamping means being adjustable while the plate-member is fixedly secured to the wall or frame.

2,298,218
PILLOW AND SIMILARLY CUSHIONED ARTICLE
Regnar E. Madson, Chicago, Ill., assignor to Protectoseal Company of America, Inc., Chicago, Ill., a corporation of Illinois
Application June 27, 1940, Serial No. 342,655
3 Claims. (Cl. 5—337)

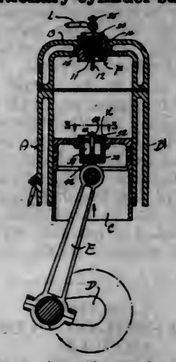


1. In an article of the kind described, a casing providing a receptacle for cushioning material, a plurality of loops disposed within and fastened to one side of the casing and a corresponding number of loops disposed within and fastened to the opposite side of said casing, two continuous tie members each successively extending through a loop on one side of the casing and then through a loop on the opposite side of said casing, said tie members being adapted to limit distension of the casing and to correspondingly limit its capacity and its thickness when filled to said limited capacity, one of said tie members extending around the casing at a uniform distance from the marginal edges thereof and the other extending along a substantially median line thereof, said tie members being adapted to be moved longitudinally relative to all of the loops with which said members are respectively connected, and a body of undistorted cushioning material loosely filling said casing to said limited capacity, said cushioning material comprising a plurality of resilient particles having fixed dimensions when unconfined and undistorted.

2,298,219
IGNITION SYSTEM FOR INTERNAL COMBUSTION ENGINES
Edgar M. Major, New York, N. Y.
Application November 14, 1940, Serial No. 365,718
7 Claims. (Cl. 123—148)

1. An electrical ignition device for internal combustion engines comprising a stationary cylinder supported electrode insulated therewith, and a movable piston supported electrode so mounted

that it will be brought into sparking relation with respect to stationary cylinder supported electrode



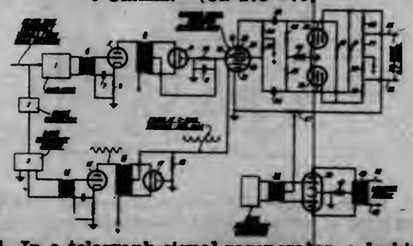
only after the piston throw has passed top dead center.

2,298,220

TELEGRAPH SIGNAL REGENERATOR

Richard E. Mathes, Westfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 28, 1940, Serial No. 372,112
9 Claims. (Cl. 178—70)



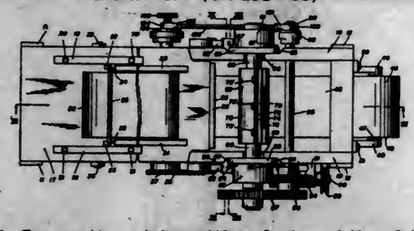
1. In a telegraph signal regenerator, a locking circuit for keying the marking impulses of a signal train, a source of oscillations having a frequency to which the baud frequency of the impulses of said signal train is harmonically related, a phase corrector responsive to said impulses for maintaining a suitable phase relation between the output peaks of said oscillation source and the baud centers which are determined by said impulses, two rectifiers one of which is subject to control by said signal impulses and the other of which is fed with energy from said source of oscillations, a multi-electrode discharge tube including a cathode, an anode, first and second control grids, and screening electrodes which intervene between the two said control grids, also between the second control grid and the anode, means for causing sharply peaked rectified impulses from said oscillation source to be applied to the first said control grid thereby to unblock the discharge path in said tube as far as the first screening electrode, means interconnecting the signal-controlled rectifier with the second control grid for unblocking the discharge path in said tube between the screening electrodes and the anode during spaces between the marking elements of said signal train, means for shifting said locking circuit from a first to a second state of electrical stability in response to the unblocking of said tube only as far as the screening electrodes, and means for shifting said locking circuit from the second to the first state of electrical stability in response to the complete unblocking of said tube from cathode to anode.

2,298,221

CUTTING MACHINE FOR COTTON STRIPS AND THE LIKE

John R. McLaughlin, New Brunswick, N. J., assignor, by mesne assignments, to Tampax Incorporated, New York, N. Y., a corporation of Delaware

Application July 15, 1940, Serial No. 345,604
3 Claims. (Cl. 164—68)



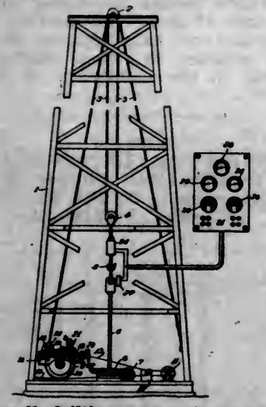
1. In a cotton strip cutting device of the character described, the combination with a frame, of endless belt feeding means on said frame for intermittently displacing sheet material along a predetermined path, a stationary blade cutter in said predetermined path, a crank-arm for operating said endless belt feeding means, rotary shearing means cooperating with said stationary blade cutter in said path, means for continuously operating said shearing and crank-arm means in timed relation with each other for severing said sheet material into strips of selected uniform size, endless belt means for conveying said sheared strips frome said shearing means along another predetermined path, and means for operatively interconnecting said endless belt feeding and strip conveying means.

2,298,222

AUTOMATIC FEED FOR ROTARY WELL DRILLS

Phelan McShane, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 7, 1940, Serial No. 322,795
3 Claims. (Cl. 255—19)



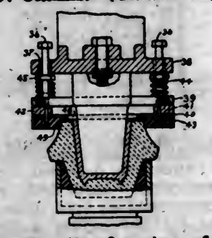
1. In a well drilling apparatus having a drill string which supports a drill tool, a cable supporting said string, a drum upon which said cable is partially wound, means for feeding said drill string downwardly at a constant rate of speed, including a motor which is coupled to drive said drum through gearing means, said gearing means including a spring biased switch operating member which is differentially responsive to the torque of said motor and the suspended weight of said drill string, and an electrical switch for controlling operation of said motor and operated by said operating member so as to effect stopping of said motor upon occurrence of a decrease in the suspended weight of said drill string from a predetermined weight.

2,298,223

METHOD AND APPARATUS FOR MANUFACTURING POTTERY WARE

William J. Miller, Swissvale, Pa.

Application June 8, 1940, Serial No. 339,522
27 Claims. (Cl. 25—24)



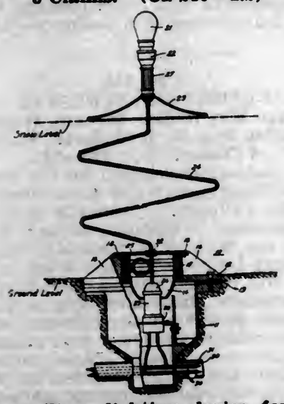
1. A method for the forming of pottery ware jiggering bats on molds which comprises, removably supporting the mold in a press chuck, with clay on the molding surface of the mold, cooperating the mold and a non-adhesive die and by means of a member having relative movement with respect to the die applying pressure to the mold capable of maintaining the mold in properly centered position relative to the die before, during and after completion of the work.

2,298,224

AUXILIARY LIGHTING DEVICE FOR RUNWAY MARKER LIGHTS

Guernsey F. Mudgett, Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 20, 1940, Serial No. 319,882
3 Claims. (Cl. 240—1.2)



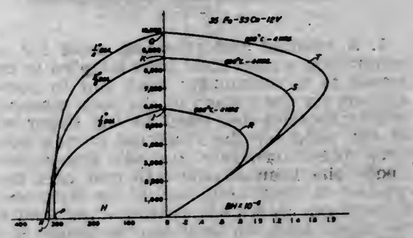
1. An auxiliary lighting device for use with airport contact lights having a lamp socket therein and a removable cover plate at the top comprising, a replacement cover plate having an opening therein, a flexible extension cord extending through the opening having a plug device at one end for attachment to the lamp socket in the contact light, a water-proof lamp socket attached to the other end of the cord, and a relatively flat base member attached to the socket for supporting it on the surface of a snow blanket.

2,298,225

PERMANENT MAGNET MATERIAL AND PRODUCTION THEREOF

Ethan A. Nesbitt, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 30, 1939, Serial No. 311,735
4 Claims. (Cl. 148—2)



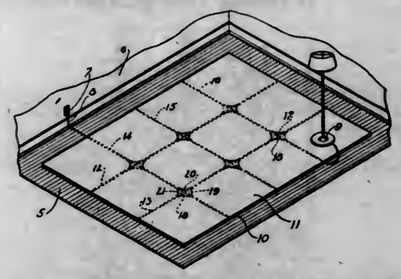
1. A tough non-brittle magnetic article of high permanent magnet properties composed of an alloy comprising as essential constituents 30 to 52 per cent iron, 36 to 62 per cent cobalt, and 6 to 16 per cent vanadium produced by heating the alloy to from 800° to 1300° C., cooling substantially below 600° C., forcibly elongating the material in the cold condition, thereafter maintaining it at around 500° C. to 800° C. for a period of time from several hours at the lower range to a much shorter time at the higher range and thereafter magnetizing it.

2,298,226

FLOOR COVERING

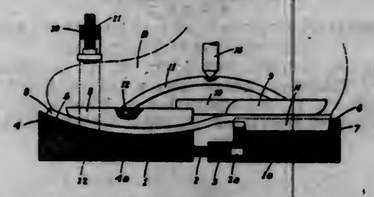
James J. O'Brien and James Strad, Chicago, Ill.

Application June 9, 1941, Serial No. 397,250
2 Claims. (Cl. 154—49)



1. A resilient rug pad of insulating material having grooves extending longitudinally and transversely of the pad, said grooves being of a size to accommodate electrical conductive means, said grooves extending inwardly from the undersurface only of said pad with the transversely extending grooves intersecting the longitudinally extending grooves substantially at right angles, and said pad having curvate groove portions adjacent each intersection on all sides of the intersection, each curvate groove portion establishing communication between a portion of a transverse groove and a portion of a longitudinal groove to permit a smooth variation in direction of the electrical conductive means.

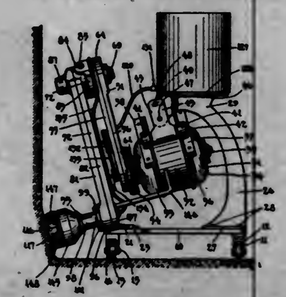
2,298,227
RESOLING AND REHEELING MOLD FOR FOOTWEAR
James W. Pinkerton, Lodi, and Henry Knecht, Acampo, Calif.
Application October 28, 1940, Serial No. 363,132
4 Claims. (Cl. 18—34)



1. A resoling and reheeling mold for a boot comprising a rigid mold body adapted to be subjected to a vulcanizing heat and to provide a support for the bottom of the boot, means forming receptacles depressed in the upper surface of the mold for the reception of new sole and heel rubber, separate pressure plates placeable inside the boot on the sole and heel portions thereof, a rigid arch bar in the boot engaging both plates intermediate their ends, and means to press down on said bar including a screw engaging the bar intermediate its ends and extending upwardly to the top of the boot.

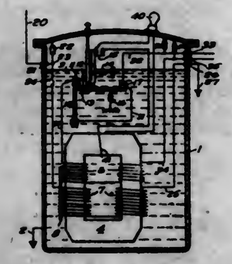
4. A resoling and reheeling mold comprising initially separate mold members, one member having an open-topped recess for sole rubber and the other member having an open-topped recess for heel rubber and means directly connecting the members for adjustment lengthwise of each other and maintaining them against relative movement at any adjusted position.

2,298,228
TERRAZZO GRINDER
Harold J. Pond and Carl O. Larson, Minneapolis, Minn., assignors to Advance Machine Company, Inc., Minneapolis, Minn., a corporation of Minnesota
Application July 20, 1940, Serial No. 346,623
10 Claims. (Cl. 51—180)



2. In combination a base, an upright carried by the base, an electric motor having a shaft, pivot means between said motor and upright for guiding said motor for movement to cause the shaft thereof to swing in a substantially vertical plane, an arm attached to said motor, a second arm pivoted to said first arm about an axis parallel with the axis of said motor, a rotatable tool holder carried by said second arm and rotatable about an axis substantially parallel with the axis of said motor, and transmission means carried by said arms and driven by said motor shaft for operating said tool holder.

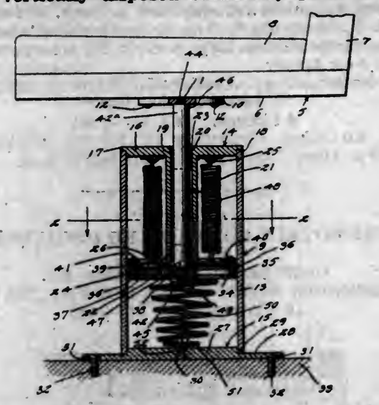
2,298,229
TRANSFORMER SIGNALING AND TRIPPING
Henry V. Putman, Arthur M. Lockie, John K. Hodnette, and Merrill G. Leonard, Sharon, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 8, 1940, Serial No. 322,940
16 Claims. (Cl. 175—294)



1. In combination, an electrical transformer comprising a container, a liquid dielectric therein, current-carrying, insulated electrical-conductor coils immersed in said dielectric, control-means, means for developing a first actuating-force operative on said control-means in response to the temperature of said dielectric, means for developing a second actuating-force operative on said control-means in response to a current in said coils, said last-mentioned means having a delayed action requiring a time of the order of a minute to reach 63% of its maximum steady-state response to a changed value of current, said first and second actuating-forces being so balanced that the ratio of the second actuating-force to the first actuating-force is smaller than the ratio of the rate of electrical heat-input into the conductor to the rate of heat-radiation from the conductor to the liquid dielectric so that the conductor is permitted to attain an abnormally high temperature for heavy overloads lasting for materially less than 2 hours as compared to its temperature for smaller overloads lasting for materially more than 2 hours, the critical response-condition of the control-means being the same in each case, and means responsive to a predetermined response of said control-means while said electrical transformer is in useful operation.

2,298,230
CUSHIONING PEDESTAL
Hugo Max Radke, Tacoma, Wash.
Application July 10, 1940, Serial No. 344,787
6 Claims. (Cl. 155—52)

6. In a cushioning pedestal for the purpose set forth, a cylinder, upper and lower closure heads fixed to the cylinder, a vertically movable supporting standard extending through the upper head into the cylinder, a vertically slidable piston structure connected to the lower end of the standard and formed with a fluid by-pass, upstanding resilient shock-absorbing springs within the upper portion of the cylinder secured at their upper ends to the lower face of said upper head, at circumferentially spaced points about said standard, and secured at their lower ends to the upper face of said piston structure, at circumferentially spaced points about the axis of said piston structure, and an upstanding resilient overload resisting spring arranged centrally of the lower portion of the cylinder secured at its upper end to the central portion of the lower face of said structure and at its lower end to the central portion of the upper face of said lower head, and vertically disposed stationary guide means



surrounded by said helical springs, provided with upper and lower bearings for said standard.

2,298,231
PRODUCTION OF NITRILES
Albert E. Rainsford, New York, and John H. Pearson, Flushing, N. Y., assignors to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application February 29, 1940, Serial No. 321,406
14 Claims. (Cl. 260—464)

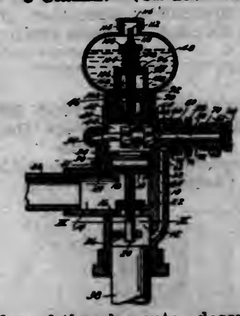
1. A process which comprises reacting an ester from the group consisting of sulfuric acid and phosphoric acid esters with a metal cyanide in a non-aqueous liquid medium having a boiling point above 130° C. to form a nitrile.

2,298,232
METHOD AND APPARATUS FOR APPLYING STIMULANT TO PLANTS
Robert E. Remund, Minneapolis, Minn.
Application June 13, 1940, Serial No. 340,283
2 Claims. (Cl. 47—1)



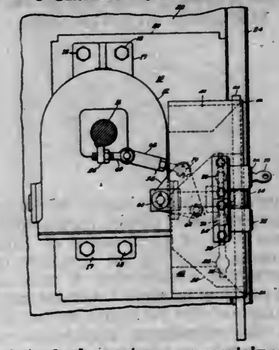
2. A stimulating device for plants comprising an elongated piece of wood, said pieces being of comparatively small thickness and of much greater width than thickness so as to have a large surface in comparison with its cross sectional area, said stick being treated by being immersed in an acidified solution of vitamin B_1 so that said stick is thoroughly impregnated with particles of said vitamin whereby when it is placed in the earth said vitamin will be released over a long period as said earth is watered.

2,298,233
VALVE MECHANISM
Arthur P. Ricard, Slater, Mo.
Application June 14, 1941, Serial No. 398,013
5 Claims. (Cl. 137—93)



1. A valve of the character described comprising a hollow body member having an inlet and an outlet, a pressure controlled valve positioned in said body member between said inlet and outlet, an intermediate chamber formed in said body member and communicating with the inlet side of said hollow body member through a relatively small by-pass, a relatively large duct leading from said intermediate chamber to said hollow body member at the outlet side of said pressure controlled valve, a manually controlled valve operable to control the flow of liquid from said intermediate chamber through said duct, a piston operable by the differential of pressure in said intermediate chamber and said hollow body member to operate said pressure controlled valve, automatic pressure operated means whereby said manually controlled valve is maintained in the opened position for a pre-determined length of time to maintain a sufficient differential of pressure in said hollow body member and said intermediate chamber to open said pressure controlled valve and permit a flow of liquid through said hollow body member, and a manually adjustable valve to regulate said automatic pressure operated means to vary the time of release of said manually controlled valve.

2,298,234
SWITCHING APPARATUS
Harold H. Rugg, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 28, 1940, Serial No. 342,899
8 Claims. (Cl. 200—50)



1. An interlock system comprising, a driving

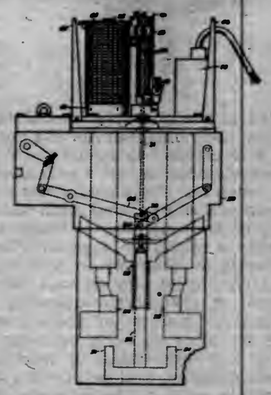
member, a driven member associated in geared relation with the driving member, a stop member actuated by the driving member, lock means operable to limit movement of the stop member, and means operatively connected to the driven member for preventing operation of the lock means except in predetermined positions.

2,298,235

CIRCUIT BREAKER OPERATION RECORDER

Richard M. Seitz and Sidney Goldsmith, Cincinnati, Ohio

Application September 28, 1938, Serial No. 232,155
9 Claims. (Cl. 234—1.5)



1. An apparatus for recording the movements of circuit breaker contacts, comprising means for moving a graph sheet at a predetermined rate of advancement, a marker operative upon the graph sheet in a direction transversely of the direction of graph sheet advancement, means for translating the movements of the circuit breaker contacts to the marker as the graph sheet advances, and means under the control of the graph sheet advancing means, for initiating the circuit breaker contact movements at a prescribed position of the marker upon the graph sheet.

2,298,236

TERMINAL BANK

Humphreys O. Siegmund, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 3, 1940, Serial No. 350,427
13 Claims. (Cl. 175—368)



1. In a terminal bank, layers of terminals arranged adjacent each other, insulation material covering one side of each layer of terminals, a bimetal contact insert in an aperture at the tip of each terminal comprising a precious metal contacting portion in said aperture at the contacting surface of the terminal and a base metal portion in the remaining section of the aperture.

2,298,237

LEAD BASE COATING ALLOY

Albert A. Smith, Jr., and Paul A. Beck, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 7, 1941, Serial No. 382,166
4 Claims. (Cl. 75—166)

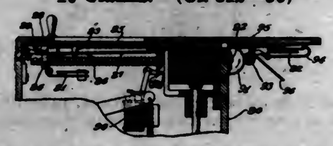
1. An alloy consisting of 0.2–3% antimony, 0.2–5% zinc, 2–7% tin, and balance lead.

2,298,238

REMOTELY CONTROLLED REGISTER SYSTEM

Clyde Smith, Hopkinsville, Ky.

Application August 7, 1939, Serial No. 288,702
10 Claims. (Cl. 312—56)



1. In a ticket issuing machine for stacked tickets and having a discharge opening through which a ticket may be issued, a ticket shifting member manually movable to shift a ticket initially toward said discharge opening, an electromagnet, an armature member therefor, first cooperating stops on said members engageable to restrain said ticket shifting member from effective movement when said armature member is in operated position, second cooperating stops on said members engageable to restrain said ticket shifting member at a mean position when said armature member is in unoperated position, remote controlling means for energizing said magnet to render said armature member effective to disengage said second cooperative stops to permit further movement of said ticket shifting member, to shift farther said shifted ticket, and follower means engageable by said further shifted ticket and effective automatically to issue said ticket completely.

2,298,239

LIGHT SOURCE

John R. Stirnkorb, Cincinnati, Ohio, assignor to Science Laboratories, Inc., Norwood, Ohio, a corporation of Ohio

Application July 22, 1940, Serial No. 346,819
1 Claim. (Cl. 176—122)



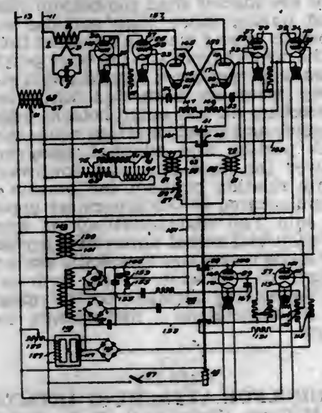
In a light source, an envelope, arc electrodes in an ionizable atmosphere therein, and at least one means in said envelope intermediate said electrodes for centering said arc, said means comprising a perforated disc extending substantially across the breadth of said envelope, said disc being a disc of metal, the edge of said disc being formed into divided tongues, and said tongues alternately being angularly bent, some in one direction and some in another so as to engage the inner surface of said envelope and form a bearing therein at interspaced points to preclude the tilting of said disc, the fit of the tongued disc in said envelope being sufficiently snug to minimize movement of said disc longitudinally of said envelope.

2,298,240

IGNITRON WELDING TIMER

Adolph H. Toepfer, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 23, 1939, Serial No. 263,741
17 Claims. (Cl. 219—4)



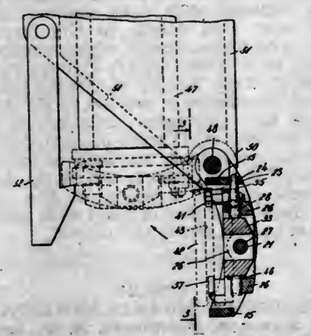
15. For use in supplying power from a source of alternating current to a load the combination comprising a pair of ignitrons each having an anode, a cathode, and an ignition electrode connected in anti-parallel between said source and said load, a pair of auxiliary electric discharge valves connected in series between the anode and the ignition electrode of one of said ignitrons, another pair of auxiliary electric discharge valves connected in series between the anode and the ignition electrode of the other ignitron and connections for impressing a control potential interposed between the junction points of said pairs of valves.

2,298,241

BASE PLATE FOR BILLET MOLD AND THE LIKE

Hyman J. Verner, Perth Amboy, N. J., assignor to International Smelting and Refining Co., a corporation of Montana

Application July 26, 1941, Serial No. 404,163
13 Claims. (Cl. 22—139)



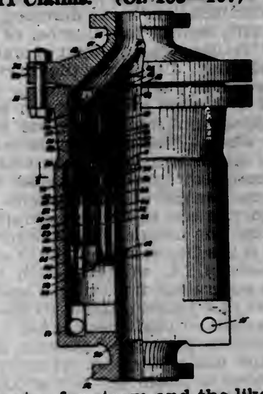
1. A base plate assembly for a billet mold or the like comprising a frame member arranged for movement into and away from a closed position with respect to a mold bottom, a mold base plate for closing the bottom of the mold, and means engaging the sides of the base plate connecting the base plate to the frame and permitting of limited universal movement of said base plate with respect to said frame.

2,298,242

STEAM SEPARATOR

Adolph J. Wegmann, Flushing, N. Y., assignor to Dri-Steam Products, Inc., a corporation of Delaware

Application May 27, 1941, Serial No. 395,367
11 Claims. (Cl. 183—107)



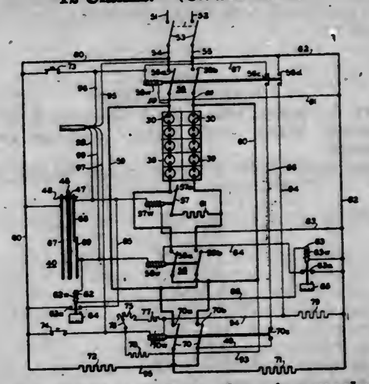
1. A separator for steam and the like comprising a plurality of spaced apart baffles, at least two of said baffles having parallelly aligned inclined slots with the material between slots shaped to form blades to direct steam passing through the slots obliquely against and along an opposed wall surface of an adjacent baffle, and said two baffles having the slots thereof oppositely inclined so as to cause the passing steam to undergo sharp reversals in the direction of flow in passing through said separator.

2,298,243

MAGNETIC SEPARATOR

Richard G. Widdows, Shaker Heights, Ohio, assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application June 23, 1939, Serial No. 280,827
12 Claims. (Cl. 209—214)

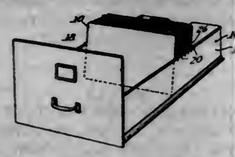


1. In combination, a car dumping mechanism for successively inverting cars containing mixtures to be magnetically separated and for returning the cars to an upright position after the mix-

tures have fallen from the cars, a separator magnet fixed in proximity to the path along which the mixtures pass, means operated by the car dumping mechanism to over-energize said magnet to create a separating flux while the cars are being emptied, and means operated by the car dumping mechanism as it returns the cars to upright position to under-energize the magnet to create a holding flux, whereby the magnet is permitted to cool before the next successive car is dumped and attracted material is retained in attracted position during cooling of the magnet.

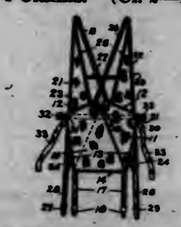
11. In combination, a car dumping mechanism operable with respect to a number of loaded cars to receive the cars, dump a load of material therefrom, and then discharge the cars, one at a time, successively, chute means for guiding the loads one at a time along a given path, a separator magnet positioned in close proximity to said path whereby the magnet can create a magnetic field intersecting said path when the magnet is energized, means operated by the car dumping mechanism to over-energize the magnet in a timed relation to the car dumping mechanism so that the magnet is over-energized while each load is passing along said path and through the magnetic field, whereby each load passes through a separating flux, and to under-energize the magnet in a timed relation to the car dumping mechanism so that the magnet is under-energized between periods of passage of the loads through the magnetic field, whereby a holding flux is created to retain any attracted material in attracted position.

2,298,244
VERTICAL FILE
Norris Wilcox, New York, N. Y.
Application September 3, 1941, Serial No. 409,407
6 Claims. (Cl. 129—16.7)



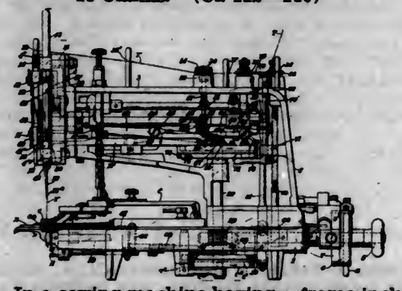
1. In a vertical folder, suspension hooks having pin means and necks, and means attached to the folder and folded over said pin means to secure the hooks to the folder, each of said means having a perforation in its line of fold to receive one of said necks.

2,298,245
GARTER WAIST
Thora Gronvold Potter and Gunhild S. Flaten, Seattle, Wash.; said Potter assignor to said Flaten
Application June 25, 1940, Serial No. 342,262
4 Claims. (Cl. 2—112)



1. In a garter waist, a back portion; stocking supporting members connected with the lower part of said back portion; a front portion comprising overlapped abdominal apron members of trapezium shape having transverse bottom edge portions that are secured together and having substantially upright outer side edge portions adapted when worn to terminate substantially at the waist-line of the wearer and having inwardly and upwardly extending top edge portions that are shorter than the bottom edge portions and having inner edge portions adapted when worn to extend diagonally across the abdomen of the wearer from the top edge portions to the bottom edge portions; spaced apart stocking supporting members connected with the said apron members at the outer bottom edge portions thereof; and shoulder straps connected with said back portion and adapted when worn to extend over the shoulders and downwardly in converging relation between the breasts of the wearer and secured to the innermost upper corners of said two abdominal apron members, whereby each abdominal apron member and the shoulder strap connected therewith are adapted when worn to transmit strain from a front stocking supporting member to the diagonally opposite shoulder along a line passing between the breasts.

2,298,246
MACHINE FOR ATTACHING ARTICLES
Michael McCann, Ozone Park, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application May 25, 1940, Serial No. 337,161
13 Claims. (Cl. 112—110)



1. In a sewing machine having a frame including a work-support and an overhanging head, an endwise reciprocatory thread-carrying needle mounted in said head, and a rotary loop-taker located beneath said work-support and cooperating with said needle in the formation of stitches; the improvement which consists in the provision of a thread-cutter comprising a shiftable cutter-blade having a thread-cutting edge arranged substantially parallel to the axis of rotation of said loop-taker, and means for periodically shifting said cutter-blade to position said thread-cutting edge in the path of movement of one limb of the thread carried by the loop-taker whereupon further rotation of the loop-taker carries the thread into contact with said thread-cutting edge and severs the thread.

2,298,247
COMBINED TIE CLIP AND PENCIL
Samuel Sampson, Woodmere, N. Y., assignor to Swank Products, Inc., a corporation of Delaware
Application September 23, 1940, Serial No. 357,857
2 Claims. (Cl. 24—10)

1. A clasp comprising a pair of jaws of substantially equal length resiliently urged toward each other and contacting for a major portion of their extent, one of said jaws being tubular, and a removable instrument held within said tube and removable endwise from the tube without detachment of the jaws from their engaged re-



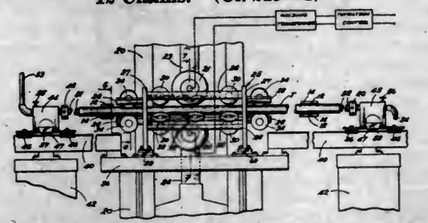
lation, said instrument having a tapered free end portion and the other jaw flaring away from said tubular jaw and cooperating with said tapered portion for guiding the material to be gripped between said jaws.

2,298,248
KEY HOLDER
Frederick A. Ballou, Nayatt, R. I., assignor to B. A. Ballou & Co., Inc., a corporation of Rhode Island
Application May 5, 1941, Serial No. 391,866
2 Claims. (Cl. 70—459)



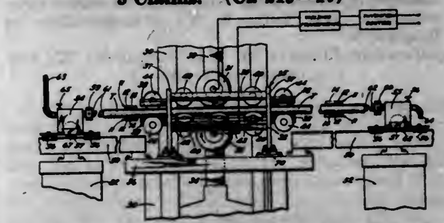
1. A key holder comprising a retaining member having spaced peripheral notches therein, two flexible chains each having one end attached at a location spaced from the notches, and the other end insertable in one of said notches, and a keeper pivoted on said member adjacent said notches equally distant therefrom and at one side of a line between said notches and of a size and shape to close the entrance to said notches, said keeper being movable about its pivot in either direction to selectively open the entrance to either of said notches for withdrawal of the chain end therein from said notch and an arm on said keeper extending away from said pivot and to the opposite side of said line between said notches and frictionally engaging the surface of said retaining member.

2,298,249
APPARATUS FOR MAKING FINNED TUBES
John W. Brown, Jr., Lakewood, Ohio, assignor to Brown Fintube Company, Elyria, Ohio, a corporation of Ohio
Application March 12, 1940, Serial No. 323,593
12 Claims. (Cl. 219—4)



1. In an apparatus for welding fins on tubes, oppositely disposed electrode rolls adapted to engage channel section fin members disposed equally spaced circumferentially about a tube, guide rolls disposed on both sides of each of said electrode rolls in alignment therewith and positioned to engage within and guide such fin members in alignment with said electrodes and retain said members against the tube in position for welding, an indexing roll positioned to engage within a fin member which has been previously welded to said tube, said indexing roll being circumferentially spaced from said guide rolls and electrode rolls, means for traversing a tube and associated fins through said apparatus, and means for supplying a welding current to said electrode rolls.

2,298,250
METHOD OF MAKING FINNED TUBES
John W. Brown, Jr., Lakewood, Ohio, assignor to Brown Fintube Company, Elyria, Ohio, a corporation of Ohio
Application April 16, 1941, Serial No. 388,835
5 Claims. (Cl. 219—10)



1. The method of making finned tubes which comprises providing separate fin members, each having a fin portion and a continuous base portion adapted to engage the outer surface of a tube, assembling a pair of such members with a tube with the base portion of each member engaging the exterior of the tube and extending generally longitudinally thereof, and with the members disposed substantially diametrically opposite each other, and resistance welding said base portions to said tube, without internal mechanical support for the tube, by engaging each of said base portions with a roller electrode, exerting welding pressure upon said base portions toward the axis of the tube by said electrodes, causing a welding current to flow between said electrodes through said base portions and through the wall of the tube and around the circumference thereof, and moving said assembly with respect to said electrodes at a sufficiently high speed that the tube in the regions adjacent the welding zone at any instant remains sufficiently cool to retain sufficient strength to resist the pressure exerted by the electrodes without substantial deformation.

2,298,251
WALLBOARD MOUNTING
Harry H. Burson, Chicago, Ill., assignor to Norman C. Spong, Chicago, Ill.
Application April 16, 1940, Serial No. 329,928
9 Claims. (Cl. 72—46)

1. A wall structure of the class described, comprising a wall mounting formed to afford a base portion secured flatwise to a structural element and having offset outwardly therefrom a portion configured to afford a channel for the reception of the edge of a wall board section and another portion extending outwardly beyond the base portion in greater degree and in parallel relation to the channel forming portion to afford a ledge for the edge abutment of an outer coating, the outer edge of the ledge affording a screed surface for regulating the depth of the coating, a wall board

section having its edge inserted within the channel, and an outer plastic coating overlying the



wall board section and extending flush with the screed surface.

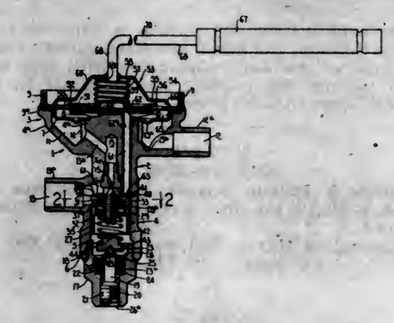
2,298,252
VIBRATOR
Vernon J. Davis, Buffalo, N. Y., assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application January 27, 1941, Serial No. 376,149
11 Claims. (Cl. 259—1)



1. A vibrator comprising a cylinder; a pair of heads closing opposite ends of said cylinder, respectively; a double-acting piston in said cylinder; means providing for the alternate admission of a motivating fluid into the opposite ends of said cylinder and for exhausting the fluid from said cylinder ends so as to effect the reciprocation of said piston in said cylinder, said means comprising a source of motivating fluid under pressure and a pair of fluid inlet passages connecting, respectively, said source with opposite ends of said cylinder and one of said passages being of substantially greater cross-sectional area than the other so that the piston is prevented by the fluid under pressure from striking one cylinder head and is caused to strike sharply the other cylinder head each time the piston approaches said other head; and means for transmitting the vibrational forces from said other cylinder head to the work to be vibrated.

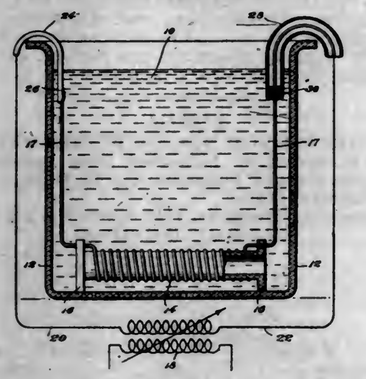
2,298,253
VALVE
Earnest J. Dillman and William E. Cowley, Detroit, Mich., assignors to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application June 17, 1940, Serial No. 340,866
9 Claims. (Cl. 137—153)

1. In a valve of the character described, a casing having a passageway therethrough and including a valve port, a valve carrier member within said casing and having reciprocal movement, said carrier member having an annular shoulder, a valve supporting means laterally movable on and engaging said shoulder, a valve screw-threadedly secured to and extending through said supporting means, means interconnecting said carrier member and said supporting means and operable to prevent rotation of said



supporting means relative to said carrier member so that said valve may be rotated in said supporting means for adjustment relative thereto, and resilient means urging said supporting means against said shoulder, said valve being operable upon said reciprocal movement to control flow through said port, said supporting means being movable laterally on said shoulder by the engagement of said valve with the wall of said port thereby to align said valve with said port.

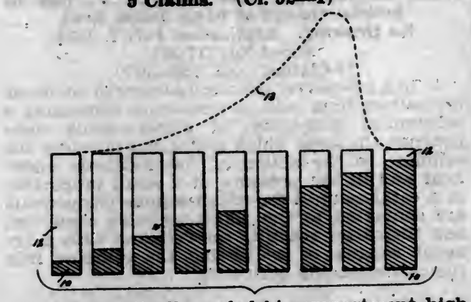
2,298,254
ELECTRIC IMMERSION HEATER FOR LIQUID ELECTROLYTES
Frank H. Driggs, Highland Park, Ill., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill., a corporation of New York
Application April 20, 1940, Serial No. 330,679
4 Claims. (Cl. 219—41)



1. An electric immersion heater for acidic electrolytes, comprising a coil of wire formed of a metal of the group consisting of tantalum, columbium and alloys made up, except for insignificant impurities, solely of tantalum and columbium.

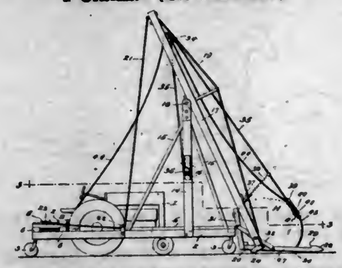
2. An electric immersion heater for liquid electrolytes, comprising a coil of wire formed of a film-forming metal.

2,298,255
LIQUID EXPLOSIVE
Nevil Monroe Hopkins, New York, N. Y.
Application May 8, 1939, Serial No. 272,434
5 Claims. (Cl. 52—1)



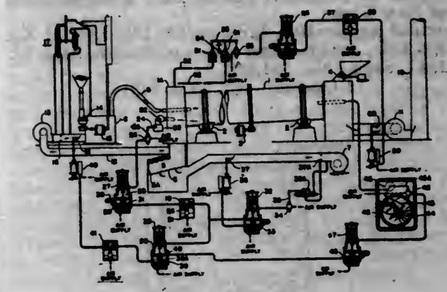
1. A hermetically sealed bi-compartment high explosive producing device, comprising one closed chamber containing a mixture of ingredients comprising a liquid combustible body and nitrogen peroxide, said ingredients being in such proportions to each other as to produce a relatively insensitive and low powered explosive; a second closed chamber containing the requisite amount of one of said ingredients which, when added to said mixture, will change the said proportions to produce a relatively sensitive and high powered explosive mixture; and chamber opening means for causing the liquid of one chamber to mix with the liquid of the other chamber to obtain such change of proportions.

2,298,256
HAY STACKER
Raymond S. Parus, Tuscarora, Nev.
Application September 26, 1941, Serial No. 412,498
1 Claim. (Cl. 214—140)



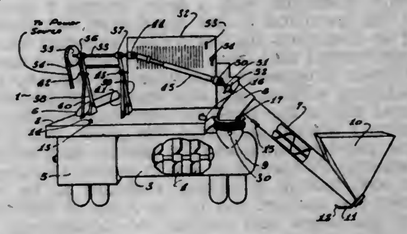
The combination with a tractor, of an attachment therefor including a main frame, wheels for supporting the main frame independently of the tractor, said main frame being extended around the tractor, means connecting the main frame to the tractor for back and forth and swinging movement with the tractor, a lifting frame, means for pivotally supporting the lifting frame above and for transmitting the weight thereof to the main frame, a fork pivotally mounted within one end portion of the lifting frame, a controlling cable anchored at one end and movably engaged by the lifting frame, a yielding connection between said cable and one end of the fork for maintaining the fork in a substantially horizontal position during the swinging movement of the lifting frame, operating cables connected to one end portion of the lifting frame, and means operated by the tractor for winding said cables to swing the lifting frame and raise the fork.

2,298,257
CONTROL METHOD AND APPARATUS
William E. Reaser, Easton, and Henry C. Tanner, Drexel Hill, Pa.; said Tanner assignor to Bailey Meter Company, a corporation of Delaware
Application October 14, 1940, Serial No. 361,038
13 Claims. (Cl. 262—53)



1. The combination with a rotary cement kiln, means for supplying fuel and air to the kiln to maintain combustion therein, means for measuring the rate at which air is supplied the kiln, means under the control of said last named means for maintaining a constant rate of air supply, means for determining the oxygen content in the flue gas resulting from said combustion, and means under the control of said last named means for varying the rate of fuel supply to maintain the oxygen content at a predetermined value.

2,298,258
PORTABLE CEMENTING APPARATUS
William J. Ziler, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application March 21, 1941, Serial No. 384,519
3 Claims. (Cl. 259—164)



1. In a portable cementing apparatus the combination which includes a truck, a mixing chamber having an inlet and an outlet, a cement conveyer having a feed hopper at one end and a discharge conduit at the other end communicating with the mixing chamber through a discharge head, said discharge head consisting of a tubular member fixedly attached to the mixing chamber, a second tubular member rotatably attached to the first tubular member, said second tubular member telescoping over and being hingedly attached to the conveyer discharge conduit whereby the conveyer is capable of movement in horizontal and vertical planes relative to the mixing

chamber, a drive shaft for transmitting power to said conveyer, and means for delivering water to the mixing chamber.

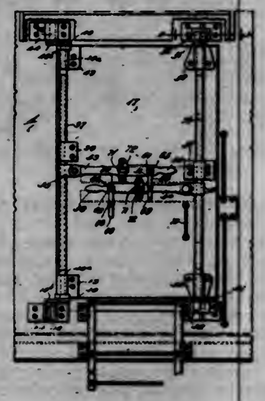
2,298,259

SIDE DOOR CONSTRUCTION FOR DRY ICE SERVICE REFRIGERATOR CARS

William Courtland Dunham, Fairport, N. Y., assignor to Despatch Shops, Inc., a corporation of New York

Original application January 29, 1941, Serial No. 376,533. Divided and this application May 22, 1941, Serial No. 394,698

2 Claims. (Cl. 292—218)



1. In a car door latch mechanism, a latch member comprising a latch operating rock shaft mounted on the door adjacent to its swinging edge, a housing on the door disposed at a point between its swinging and hinging edges and having a threaded passage opening at its outer end through the face of the door, a compression screw mounted for inward and outward travel in said passage in the housing and having an outwardly extending end, a lever having a handle end for operating it and coupled at its opposite end to the shaft for horizontal swinging movements toward and from the door so as to rotate the shaft in opposite directions for latching and unlatching actions, and also coupled at its latter named end to the shaft for swinging movements vertically toward and from the screw, said lever being provided adjacent its handle end with a longitudinally extending slot to receive the screw, said slot having a locking shoulder at its end nearer the coupled end of the lever to interlock with the screw and having an entranceway at its end nearer the handle end of the lever opening outwardly through one of the longitudinal edges of the lever to permit the lever to be swung into and out of engagement with the screw, said screw being movable in the slot between its entranceway and locking shoulder to permit relative movements of the lever and screw longitudinally of the lever to adapt the lever when engaged with the screw to be swung toward and from the door to rock the shaft for latching and unlatching actions, and means on the screw for rotating it and moving the lever when engaged with the screw into and out of engagement with the door and locking engagement with the screw, and for clamping the lever in locked position against the door.

2,298,260

METHOD OF PREPARING CELLULOSE DERIVATIVES AND PRODUCT OBTAINED THEREBY

Julius Kantorowicz, New York, N. Y., now by judicial change of name Julius Kent

No Drawing. Application July 7, 1938, Serial No. 217,921

13 Claims. (Cl. 260—212)

1. In a process for the manufacture of cellulosic derivatives from cellulosic material containing a substantial proportion of alkali-soluble components, the steps which comprise subjecting the cellulose to the action of formaldehyde under heat and in the presence of a small proportion of a catalyst until the alkali-soluble components are converted to the alkali-insoluble condition, and thereafter reacting the cellulose with a reagent capable of converting the cellulose into the corresponding derivative.

2,298,261

PEN

William Frederick Mittendorf, New York, N. Y., and Max Joseph Stumbock, South Orange, N. J., assignors to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey

No Drawing. Application November 29, 1940, Serial No. 367,770

8 Claims. (Cl. 120—109)

1. A pen nib of gold alloy containing up to fifteen (15) per cent of a metal taken from the group comprising manganese and palladium.

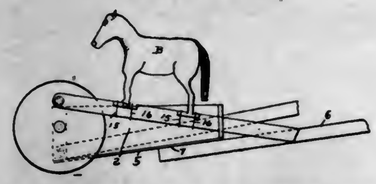
2,298,262

TOY

Isaac P. Thunell, Holladay, Utah, assignor of one-half to J. Graydon Robinson and Fawn Ivins Robinson, Glasgow, Mont.

Application May 11, 1942, Serial No. 442,404

1 Claim. (Cl. 46—101)



A toy consisting of a cart having two side walls, a front wall and a rear wall, an axle projecting from each side wall near the front end of the cart, a wheel mounted for rotation upon each axle, an eccentric pin on each of the two wheels, rods having one end thereof pivotally attached to each of said eccentric pins and passing through openings formed in said rear wall, a handle for propelling said cart, whereby when the cart is moved said rods will be propelled by said eccentric pins acting as crank pins, and a figure mounted on said rods and partaking of the motion thereof.

2,298,263

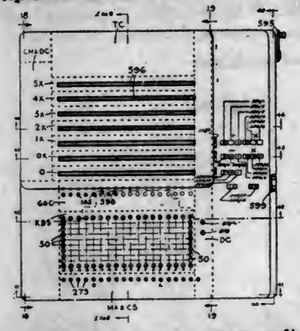
CALCULATING MACHINE

Thomas William Chick, Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 14, 1939, Serial No. 279,034

21 Claims. (Cl. 235—61)

1. A calculating machine comprising a plurality of totalizers, means for calculating predetermined multiples of a divisor and the corresponding multiples of a multiplicand and for entering each multiple of the divisor into a portion of a

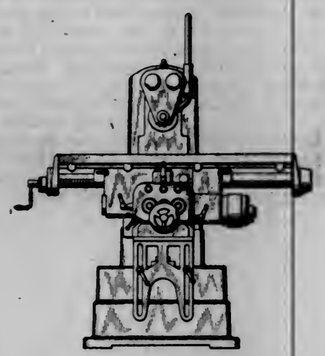


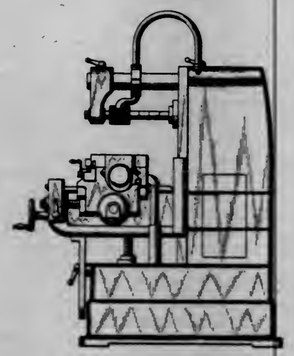
separate totalizer and the corresponding multiple of the multiplicand into a different portion of the same totalizer, the two multiples in each totalizer being one positive and the other negative, an additional totalizer for receiving the dividend, means for thereafter entering a dividend into each of the first named totalizers in such manner as to obtain in said first named portion of that totalizer the difference between the dividend and the multiple of the divisor, initially in that totalizer, with an appropriate denominational allocation, means for selecting the totalizer containing the smallest difference that is of a predetermined sign, a settable means controlled by the selected totalizer for registering the amounts in the selected totalizer, means for zeroizing all the totalizers, means for reentering the multiples in the respective totalizers after the amount in the selected totalizer is registered in said settable means, means for entering the amounts registered, in the same way as the dividend, means for causing the recited means to operate in order and then repeated, means for column shifting the said amounts one denomination to the left, before they are entered into the totalizers, a product totalizer and means controlled by the selected totalizer for causing the related multiplicand multiple to be transferred to said product totalizer when the remainder therein is registered in the settable means.

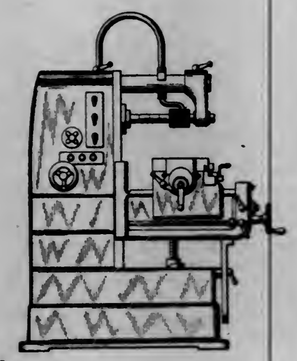
DESIGNS

OCTOBER 6, 1942

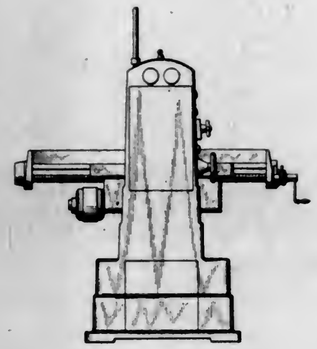
133,970
DESIGN FOR A MILLING MACHINE
Robert S. Condon, Rutland, Vt.
Application August 4, 1942, Serial No. 107,813
Term of patent 14 years





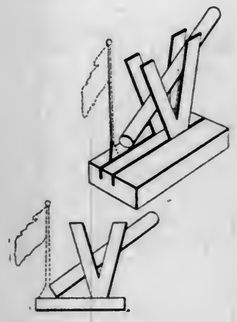


133,970—Continued



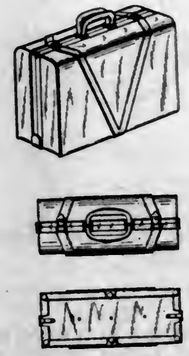
The ornamental design for a milling machine, substantially as shown.

133,971
DESIGN FOR A DISPLAY UNIT
Alexander Emery, River Forest, Ill., assignor of one-half to A. Arnold Brand, Oak Park, Ill.
Application March 11, 1942, Serial No. 106,153
Term of patent 7 years



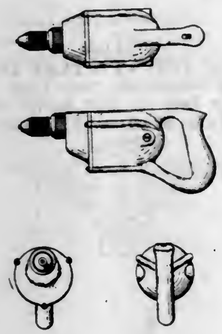
The ornamental design for a display unit, substantially as shown and described.

133,972
DESIGN FOR A SUITCASE OR THE LIKE
Jack Krohn, Irving Steinlauf, and Samuel Schwartz, New York, N. Y.
Application January 7, 1942, Serial No. 105,042
Term of patent 7 years



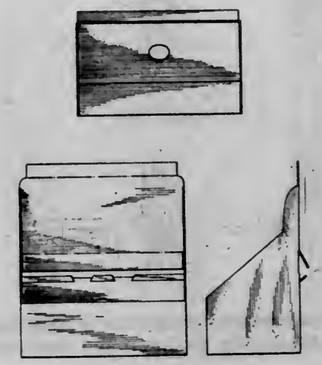
The ornamental design for a suitcase or the like, as shown.

133,973
DESIGN FOR AN ELECTRIC DRILL UNIT OR THE LIKE
Ollo Lamb, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application January 19, 1942, Serial No. 105,293
Term of patent 7 years



The ornamental design for an electric drill unit or the like, substantially as shown.

133,974
DESIGN FOR AN ADVERTISING DISPLAY STAND
Sydney G. Silberstein, Brooklyn, N. Y.
Application July 31, 1942, Serial No. 107,774
Term of patent 7 years



The ornamental design for an advertising display stand, as shown.

133,975
DESIGN FOR A PLAQUE OR SIMILAR ARTICLE
Elmore Adams, Sr., Los Angeles, Calif.
Application April 10, 1942, Serial No. 106,518
Term of patent 3½ years



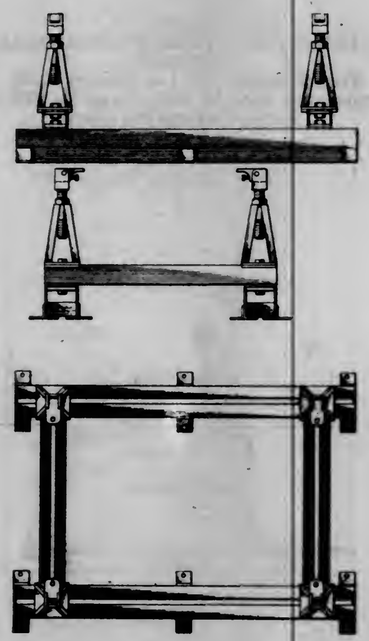
The ornamental design for a plaque or similar article, as shown.

133,976
DESIGN FOR A LAPEL PIN OR THE LIKE
Charles R. Armstrong, Grand Rapids, Mich.
Application August 22, 1942, Serial No. 107,996
Term of patent 3½ years



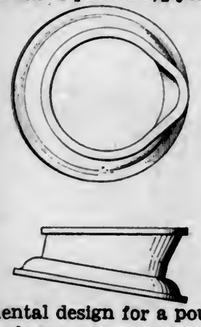
The ornamental design for a lapel pin or the like, substantially as shown and described.

133,977
DESIGN FOR AN ENGINE STAND
Lawrence W. Alfred, Denver, Colo.
Application August 19, 1942, Serial No. 107,963
Term of patent 3½ years



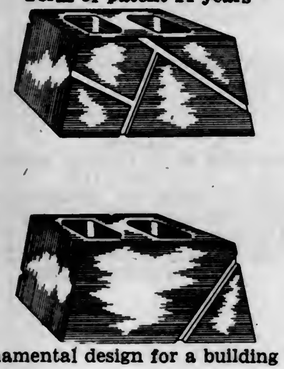
The ornamental design for an engine stand, as shown.

133,978
DESIGN FOR A POURING SPOUT FOR CONTAINERS
William B. Johnson, United States Army, Baltimore, Md.
Application August 19, 1942, Serial No. 107,960
Term of patent 3½ years



The ornamental design for a pouring spout for containers, as shown.

133,979
DESIGN FOR A BUILDING BLOCK
Willard A. Larson, Preston, Idaho
Application July 30, 1942, Serial No. 107,761
Term of patent 14 years



The ornamental design for a building block, as shown.

133,980
DESIGN FOR A PICTURE FRAME
Irving Steinhardt, New York, N. Y.
Application July 10, 1942, Serial No. 107,483
Term of patent 3½ years



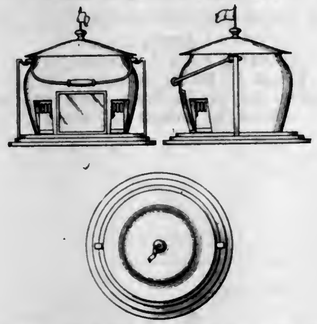
The ornamental design for a picture frame, as shown.

133,981
DESIGN FOR A FINGER RING
Philip Benjamin, New York, N. Y.
Application June 23, 1942, Serial No. 107,319
Term of patent 7 years



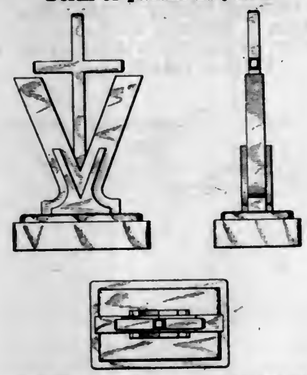
The ornamental design for a finger ring, as shown.

133,982
DESIGN FOR A HOT FOOD PURVEYING STORE
William A. Bryans, Denver, Colo.
Application April 22, 1941, Serial No. 100,556
Term of patent 3½ years



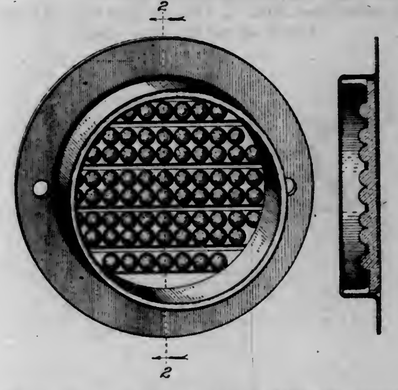
The ornamental design for a hot food purveying store, as shown and described.

133,983
DESIGN FOR BRIC-A-BRAC
John J. Cruise and Elmer G. Anderson, Hatboro, and Sigurd Forsmark, Philadelphia, Pa.
Application April 7, 1942, Serial No. 106,486
Term of patent 14 years



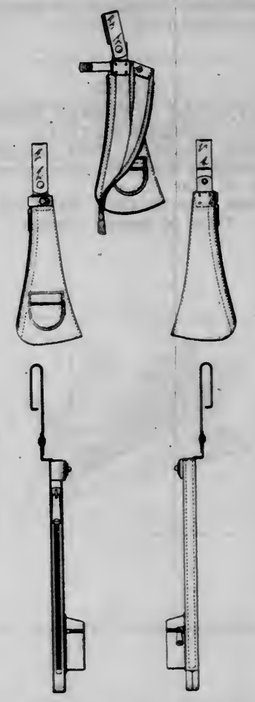
The ornamental design for a bric-a-brac, as shown.

133,984
DESIGN FOR A REFLECTOR DEVICE
Samuel M. Dover, Oak Park, Ill.
Application January 29, 1942, Serial No. 105,509
Term of patent 7 years



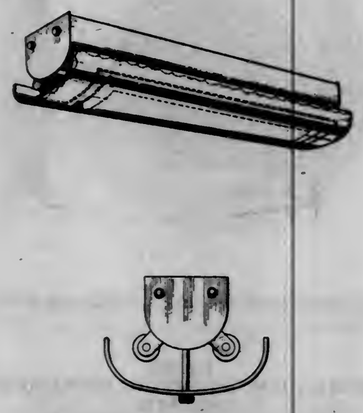
The ornamental design for a reflector device, as shown.

133,985
DESIGN FOR A CUTTING IMPLEMENT SHEATH
Frederick Ehrsam, Reading, Pa.
Application September 29, 1941, Serial No. 103,556
Term of patent 3½ years



The ornamental design for a cutting implement sheath, as shown.

133,986
DESIGN FOR A LIGHTING FIXTURE
Herman N. Gordon, New York, N. Y., assignor to Isidor Rosenblatt and Max Rosenblatt, co-partners doing business as Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y.
Application June 6, 1941, Serial No. 101,322
Term of patent 3½ years



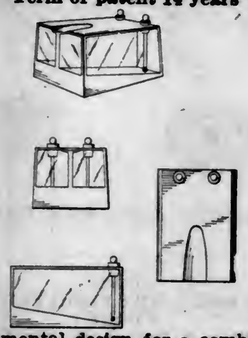
The ornamental design for a lighting fixture, as shown and described.

133,987
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE
Henry Porter, Glendale, Calif., assignor to the United States of America, as represented by the Secretary of War
Application July 23, 1942, Serial No. 107,661
Term of patent 7 years



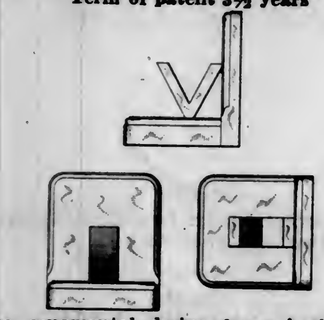
The ornamental design for an appliqué emblem or similar article, as shown and described.

133,988
DESIGN FOR A COMBINED MANICURE CONTAINER AND APPLICATORS THEREFOR
Oliver V. Richards, New York, N. Y., assignor of one-half to Edgar Belmont, New York, N. Y.
Application February 13, 1942, Serial No. 105,786
Term of patent 14 years



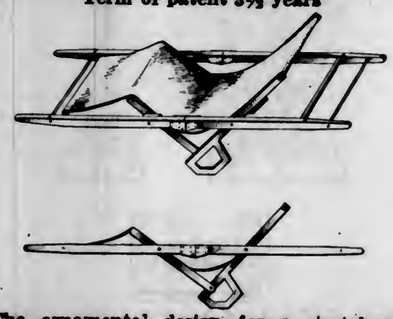
The ornamental design for a combined manicure container and applicators therefor, as shown.

133,989
DESIGN FOR A BOOK END
Frank C. Block, Kenosha, Wis.
Application August 22, 1942, Serial No. 107,998
Term of patent 3½ years



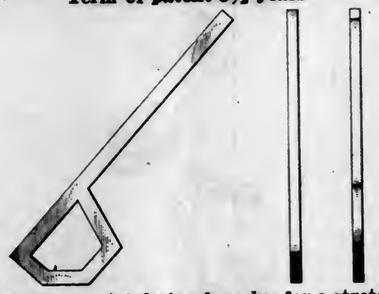
The ornamental design for a book end, as shown.

133,990
DESIGN FOR A STRETCHER
Hugh B. Johnson, Rochester, N. Y.
Application August 26, 1942, Serial No. 108,041
Term of patent 3½ years



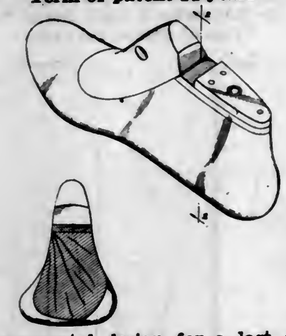
The ornamental design for a stretcher, as shown.

133,991
DESIGN FOR A LEG FOR A STRETCHER
Hugh B. Johnson, Rochester, N. Y.
Application August 26, 1942, Serial No. 108,042
Term of patent 3½ years



The ornamental design for a leg for a stretcher, as shown.

133,992
DESIGN FOR A LAST OR SIMILAR ARTICLE
William H. Joyce, Jr., Pasadena, Calif., assignor to Joyce, Inc., Pasadena, Calif., a corporation of California
Application May 24, 1941, Serial No. 101,129
Term of patent 14 years



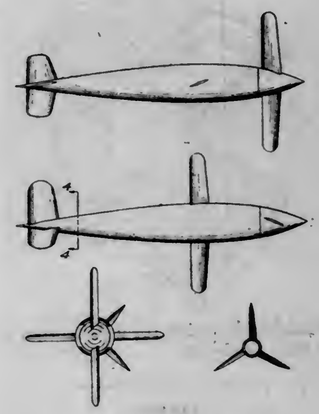
The ornamental design for a last or similar article, substantially as shown and described.

133,993
DESIGN FOR A SCALE
Victor H. Menkhaus, Cincinnati, Ohio
Application February 9, 1942, Serial No. 105,725
Term of patent 14 years



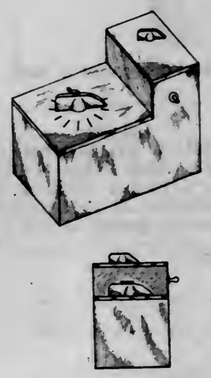
The ornamental design for a scale, substantially as shown.

133,994
DESIGN FOR A TOY AIRPLANE OR SIMILAR ARTICLE
Wiley K. Crowder, Detroit, Mich.
Application September 2, 1941, Serial No. 103,129
Term of patent 14 years



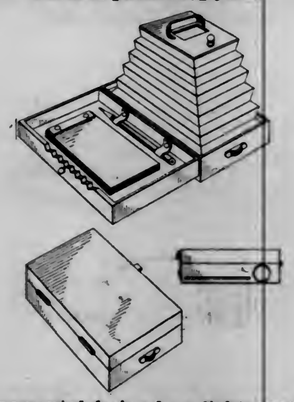
The ornamental design for a toy airplane or similar article, substantially as shown.

133,995
DESIGN FOR A PHOTOGRAPHIC TIMER
Verne W. Franks, Peoria, Ill.
Application January 3, 1942, Serial No. 104,982
Term of patent 3½ years



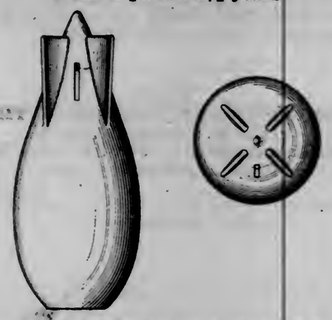
The ornamental design for a photographic timer, as shown and described.

133,996
DESIGN FOR A LIGHTPROOF MESSAGE DISPATCH BOX
Thomas J. Gorman, Jr., Newark, N. J.
Application January 14, 1942, Serial No. 105,196
Term of patent 3½ years



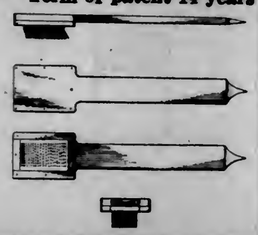
The ornamental design for a lightproof message dispatch box, as shown.

133,997
DESIGN FOR A BANK
Bruce A. Mackey, Libertyville, Ill.
Application March 25, 1942, Serial No. 106,316
Term of patent 3½ years



The ornamental design for a bank, as shown.

133,998
DESIGN FOR A COMBINED CALLOUS REMOVER AND NAIL CLEANER
Samuel E. Parker, Dunkirk, Ind.
Application September 18, 1941, Serial No. 103,402
Term of patent 14 years



The ornamental design for a combined callous remover and nail cleaner, as shown.

133,999
DESIGN FOR A SHOE
Emil H. Strassburger, New York, N. Y.
Application September 4, 1942, Serial No. 108,130
Term of patent 3½ years



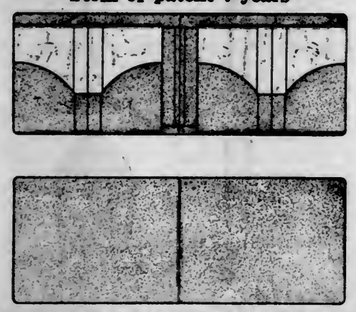
The ornamental design for a shoe, substantially as shown.

134,000
DESIGN FOR A COAT
Dan W. Barkin, New York, N. Y.
Application September 4, 1942, Serial No. 108,127
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

134,001
DESIGN FOR A WALLET
Harry P. Behrman, St. Albans, N. Y.
Application April 2, 1942, Serial No. 106,423
Term of patent 7 years



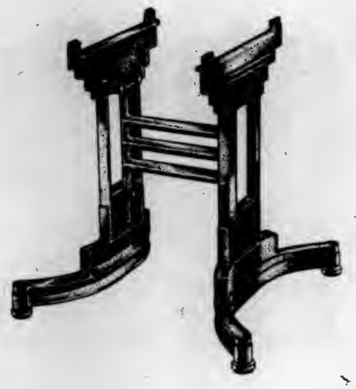
The ornamental design for a wallet, as shown and described.

134,002
DESIGN FOR A DRESS
Abe Gershuny, New York, N. Y.
Application September 12, 1942, Serial No. 108,186
Term of patent 3½ years



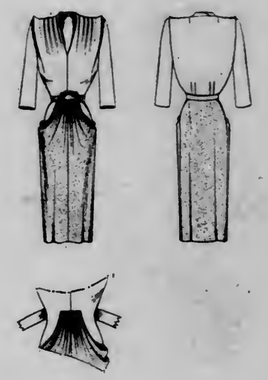
The ornamental design for a dress, substantially as shown.

134,003
DESIGN FOR A PEDESTAL FOR TYPEWRITING MACHINES
Lurelle V. A. Guild, Darien, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application July 29, 1942, Serial No. 107,744
Term of patent 14 years



The ornamental design for a pedestal for typewriting machines, as shown.

134,004
DESIGN FOR A DRESS
Julia Richards, New York, N. Y.
Application September 12, 1942, Serial No. 108,187
Term of patent 3½ years



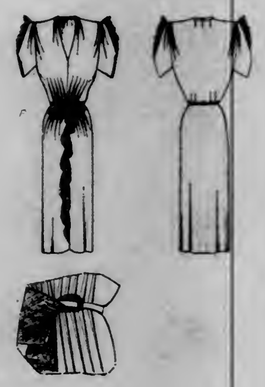
The ornamental design for a dress, substantially as shown and described.

134,005
DESIGN FOR A DRESS
Julia Richards, New York, N. Y.
Application September 12, 1942, Serial No. 108,188
Term of patent 3½ years



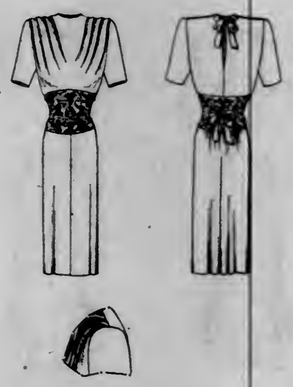
The ornamental design for a dress, substantially as shown.

134,006
DESIGN FOR A DRESS
Julia Richards, New York, N. Y.
Application September 12, 1942, Serial No. 108,189
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

134,007
DESIGN FOR A DRESS
Julia Richards, New York, N. Y.
Application September 12, 1942, Serial No. 108,190
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,008
DESIGN FOR A COAT
Morris Weinstein, New York, N. Y.
Application September 9, 1942, Serial No. 108,165
Term of patent 3½ years



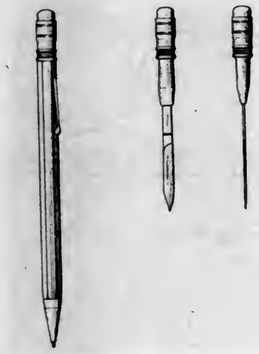
The ornamental design for a coat, substantially as shown.

134,009
DESIGN FOR A COAT
Morris Weinstein, New York, N. Y.
Application September 9, 1942, Serial No. 108,164
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

134,010
DESIGN FOR A COMBINED MECHANICAL PENCIL AND KNIFE
Jacob M. Weiss, Brooklyn, N. Y.
Application November 15, 1941, Serial No. 104,166
Term of patent 14 years



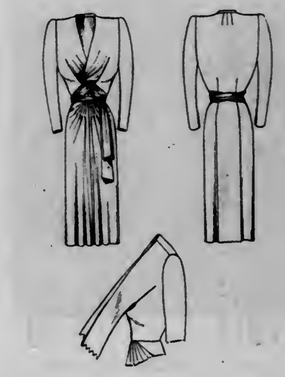
The ornamental design for a combined mechanical pencil and knife, substantially as shown and described.

134,011
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Marcel Vertès, New York, N. Y.
Application September 12, 1942, Serial No. 108,197
Term of patent 3½ years



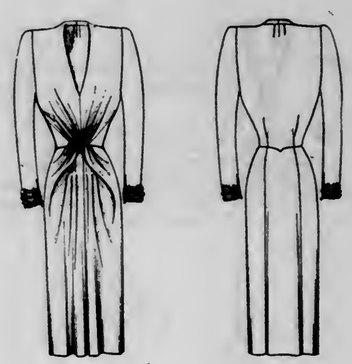
The ornamental design for a scarf or similar article, substantially as shown.

134,012
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application September 12, 1942, Serial No. 108,191
Term of patent 3½ years



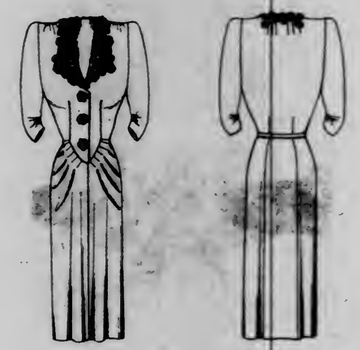
The ornamental design for a dress, substantially as shown and described.

134,013
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application September 12, 1942, Serial No. 108,192
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,014
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application September 12, 1942, Serial No. 108,193
Term of patent 3½ years



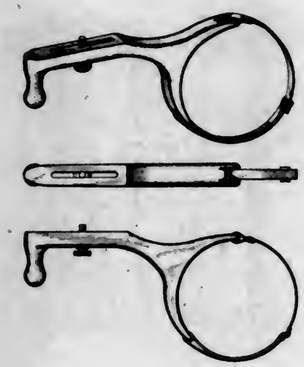
The ornamental design for a dress, substantially as shown.

134,015
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application September 12, 1942, Serial No. 108,194
Term of patent 3½ years



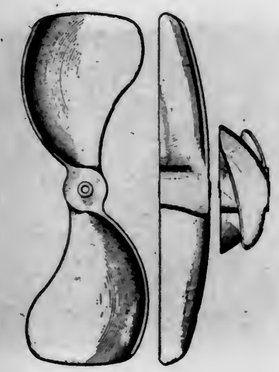
The ornamental design for a dress, substantially as shown.

134,016
DESIGN FOR A CAMERA SUPPORT
Leo J. Du Mais, Chicago, Ill., assignor to Da-Lite Screen Company, Inc., Chicago, Ill., a corporation of Illinois
Application July 30, 1942, Serial No. 107,757
Term of patent 14 years



The ornamental design for a camera support, substantially as shown.

134,017
DESIGN FOR AN IMPELLER
Herman C. Hueglin, Chicago, Ill., assignor to Airmaster Corporation, Chicago, Ill., a corporation of Illinois
Application December 29, 1941, Serial No. 104,894
Term of patent 14 years



The ornamental design for an impeller, substantially as shown.

134,018
DESIGN FOR A TEXTILE FABRIC
Louis Kalman, New York, N. Y.
Application September 9, 1942, Serial No. 108,166
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

134,019
DESIGN FOR A TEXTILE FABRIC
Louis Kalman, New York, N. Y.
Application September 9, 1942, Serial No. 108,167
Term of patent 3½ years



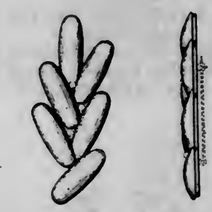
The ornamental design for a textile fabric, substantially as shown.

134,020
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y.
Application September 12, 1942, Serial No. 108,198
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

134,021
DESIGN FOR A JEWELRY PIN
Maximilian C. Meyer, Brooklyn, N. Y.
Application September 12, 1942, Serial No. 108,210
Term of patent 7 years



The ornamental design for a jewelry pin, substantially as shown and described.

134,022
DESIGN FOR A JEWELRY PIN
Maximilian C. Meyer, Brooklyn, N. Y.
Application September 12, 1942, Serial No. 108,211
Term of patent 7 years



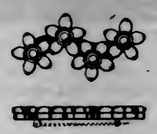
The ornamental design for a jewelry pin, substantially as shown and described.

134,023
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Maximilian C. Meyer, Brooklyn, N. Y.
Application September 12, 1942, Serial No. 108,212
Term of patent 7 years



The ornamental design for a jewelry pin or similar article, substantially as shown and described.

134,024
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Maximilian C. Meyer, Brooklyn, N. Y.
Application September 12, 1942, Serial No. 108,213
Term of patent 7 years



The ornamental design for a jewelry pin or similar article, substantially as shown and described.

134,025
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Maximilian C. Meyer, Brooklyn, N. Y.
Application September 12, 1942, Serial No. 108,214
Term of patent 7 years



The ornamental design for a jewelry pin or similar article, substantially as shown and described.

134,026
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Providence, R. I.
Application September 12, 1942, Serial No. 108,199
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

134,027
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Providence, R. I.
Application September 12, 1942, Serial No. 108,200
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

134,028
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Providence, R. I.
Application September 12, 1942, Serial No. 108,201
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

134,029
DESIGN FOR A PIN CLIP
Alfred Philippe, Providence, R. I.
Application September 12, 1942, Serial No. 108,202
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

134,030
DESIGN FOR A PIN CLIP
Alfred Philippe, Providence, R. I.
Application September 12, 1942, Serial No. 108,203
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

134,031
DESIGN FOR A PIN CLIP
Alfred Philippe, Providence, R. I.
Application September 12, 1942, Serial No. 108,204
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

134,032
DESIGN FOR A PIN CLIP
Alfred Philippe, Providence, R. I.
Application September 12, 1942, Serial No. 108,205
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

134,033
DESIGN FOR A PIN CLIP
Alfred Philippe, Providence, R. I.
Application September 12, 1942, Serial No. 108,206
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

134,034
DESIGN FOR A PIN CLIP
Alfred Philippe, Providence, R. I.
Application September 12, 1942, Serial No. 108,207
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

134,035
DESIGN FOR A PIN CLIP
Alfred Philippe, Providence, R. I.
Application September 12, 1942, Serial No. 108,208
Term of patent 3½ years



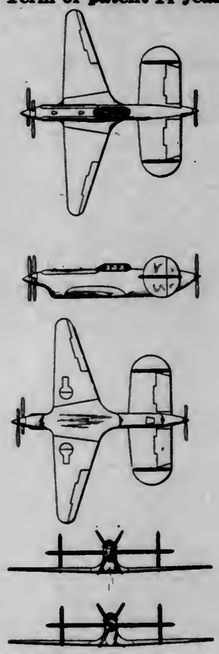
The ornamental design for a pin clip, substantially as shown.

134,036
DESIGN FOR A PIN CLIP
Alfred Philippe, Providence, R. I.
Application September 12, 1942, Serial No. 108,209
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

134,037
DESIGN FOR AN AIRPLANE
George L. Robitaille, Cohoes, N. Y.
Application May 26, 1942, Serial No. 107,008
Term of patent 14 years



The ornamental design for an airplane, as shown.

Patents Nos. 2,298,264 to 2,299,065

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 543—No. 2 TUESDAY, OCTOBER 13, 1942 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF OCTOBER 13, 1942	193
ORDER No. 3,657	193
ADVERSE DECISIONS IN INTERFERENCE	193
INTERFERENCE NOTICE	193
NOTICES OF CANCELLATION	193
APPLICATIONS UNDER EXAMINATION	194
DECISIONS OF THE U. S. COURTS—	
Sloan *v.* Peterson and Walter (Nos. 4,519-20). Peterson and Walter *v.* Sloan (No. 4,521)	195
McBride *v.* Teeple, Jr.	201
PATENT SUITS	203
DISCLAIMERS	204
ADJUDICATED PATENTS	204
TRADE-MARKS PUBLISHED (106 APPLICATIONS)	205
TRADE-MARK REGISTRATIONS GRANTED	217
TRADE-MARK REGISTRATIONS RENEWED	222
REISSUES	225
PLANT PATENTS	226
PATENTS GRANTED	227
DESIGNS	414

October 13, 1942

Trade-Marks	119—No.	398,110 to No.	398,228,	inclusive.
T. M. Renewals	72			
Reissues	5—No.	22,199 to No.	22,203,	inclusive.
Plant Patents	4—No.	548 to No.	551,	inclusive.
Patents	802—No.	2,298,264 to No.	2,299,065,	inclusive.
Designs	70—No.	134,038 to No.	134,107,	inclusive.
Total	1,072			

Order No. 3,657

U. S. PATENT OFFICE, *Richmond, Va., Sept. 24, 1942.*

The following transfer, to take effect October 1, 1942, is hereby ordered:

Subclasses 2.21 to 2.28 inclusive, of class 154, Laminated Fabric and Analogous Manufactures, from Division 61 to Division 20.

Order No. 3,656 of September 18, 1942, is hereby clarified in the respect that subclass 2.6 of class 154, Laminated Fabric and Analogous Manufactures, now in Division 56, will remain in that division.

CONWAY P. COE,
Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,228,487, H. C. Reynolds, Jr., and H. B. Kellog, Antiskinning and weather resisting agent for drying oil compositions, decided September 17, 1942, claims 1, 2, 3, 6, and 7.

Pat. 2,148,114, Karl Fritz, System for and method of modulating magnetrons, decided September 16, 1942, claims 1, 2, 3, and 4.

Interference Notice

U. S. PATENT OFFICE, *Richmond, Va., Sept. 11, 1942.*

Green & Gold Groves, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of J. E. Stansfield, P. O. Box 746, Arvin, Calif., for registration of a trade-mark and trade-mark registered February 13, 1940, No. 375,272, to Green & Gold Groves, Inc., P. O. Box 355, Pico, Calif., and the notice of such proceeding sent by registered mail to said Green & Gold Groves, Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Green & Gold Groves, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notices of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., Sept. 9, 1942.*

Colonial Drug & Sales Co., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by August A. Fickerle, 1033 S. Boulevard, Oak Park, Ill., to effect the cancellation of trade-mark registration of Colonial Drug & Sales Co., 1271 Curtis St., Denver, Colo., No. 209,989, dated March 2, 1926, and the notice of such proceeding sent by registered mail to the said Colonial Drug & Sales Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Colonial Drug & Sales Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Sept. 9, 1942.*

Colonial Drug & Sales Co., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by August A. Fickerle, 1033 S. Boulevard, Oak Park, Ill., to effect the cancellation of trade-mark registration of Colonial Drug & Sales Co., 1271 Curtis St., Denver, Colo., No. 211,763, dated April 20, 1926, and the notice of such proceeding sent by registered mail to the said Colonial Drug & Sales Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Colonial Drug & Sales Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business September 26, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,792; Trade-Mark Division, 913. Oldest new case, Nov. 13, 1941; oldest amended, Nov. 19, 1941.)
(The dates given are 1942 except where † indicates 1941)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Domestic Cooking Vessels; Sewerage.	Feb. 20	Mar. 4	579
2. HERRMANN, D., Fishing and Trapping; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Feb. 12	Feb. 12	427
3. WOLFFE, S., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 14	Feb. 6	895
4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Mar. 23	Mar. 16	486
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	May 1	May 6	216
6. GENIESSE, E. W., Carbon Chemistry (part)	Jan. 17	Feb. 11	1281
7. JARBOE, C. G., Optics, Photography	†Dec. 27	†Dec. 27	1239
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Jan. 30	Feb. 20	701
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Mar. 19	Mar. 24	656
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	June 12	June 8	299
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Stop Mechanisms	Apr. 1	Feb. 12	385
13. MANIAN, J. C., (Act.), Metal Working (part); Gear Cutting, Milling and Planing; Needle and Pin Making	Jan. 19	Jan. 17	661
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Apr. 24	Apr. 24	538
15. HENKIN, BENJ., Glass, Plastic Block and Earthenware Apparatus; Plastics	Jan. 23	Jan. 23	1080
16. SPENCER, C. J., Telegraphy; Telephony	Mar. 6	Mar. 17	723
17. HABECKER, LEON B., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	†Dec. 22	†Dec. 4	906
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Mar. 4	Jan. 23	552
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Jan. 24	Feb. 6	741
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part).	Apr. 20	Feb. 17	358
21. THOMPSON, T. J., Textiles	Apr. 4	May 11	352
22. RINGLE, D., Aeronautics; Firearms; Ordnance and Explosive Devices	†Dec. 17	†Dec. 17	1782
23. BARROWS, B., Cash Registers; Calculators (part)	Feb. 28	Mar. 14	161
24. KISSINGER, M. C. (Acting), Apparel; Apparel Apparatus; Sewing Machines	Apr. 16	Apr. 13	696
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 8	May 18	227
26. YOUNG, R. R., Electricity—Generation and Motive Power	Mar. 19	Mar. 26	402
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Mar. 13	Mar. 7	246
28. SOLYOM, H. L., Internal-Combustion Engines (part); Cylinders and Pistons	Apr. 18	Feb. 23	182
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Mar. 26	Apr. 3	485
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 22	June 17	219
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Mar. 28	Mar. 28	1298
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Apr. 1	Apr. 3	809
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	Apr. 11	Apr. 27	655
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	May 28	May 27	366
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles	Jan. 23	†Dec. 30	967
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Apr. 6	Mar. 23	482
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 28	May 18	445
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Apr. 28	Apr. 3	569
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	June 3	June 5	282
40. DRUMMOND, E. J., Receptacles	Feb. 18	Feb. 18	1334
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Apr. 1	Mar. 30	497
42. MARANS, H., Electric Signaling	Mar. 16	Mar. 2	522
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Azo Compounds.	†Nov. 26	†Nov. 19	1046
44. HARVEY, L. P., Refrigeration	May 6	Mar. 12	396
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Apr. 21	Apr. 17	776
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Heating Systems; Coating Apparatus.	Jan. 1	Jan. 5	753
47. KANOF, WM. J., Clutches and Power Stops; Brakes; Boring and Drilling; Land Vehicles (part)	Jan. 30	Mar. 6	1060
48. ROEPKE, O. B., Electricity, General Applications; Igniters	†Dec. 29	†Dec. 29	798
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 18	Mar. 4	542
50. LEVIN, SAMUEL, Resins; Rubber; Carbohydrates and Derivatives	Feb. 26	Feb. 26	1584
51. BACKUS, C. D., Radiant Energy	Mar. 31	Apr. 20	690
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	June 13	June 15	300
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Curtains, Shades and Screens; Cutlery.	Jan. 26	Mar. 19	366
54. STRACHAN, O. W., Electric Lamp and Discharge Devices (part)	Apr. 23	Apr. 21	504
55. BOWEN, S. P., Artificial Body Members; Dentistry; Surgery	June 12	June 20	143
56. COOKERILL, S., Electrical and Wave Energy Chemistry; Laminated Fabrics (part); Paper Making	Feb. 4	Feb. 2	1335
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks	Apr. 24	May 16	351
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working	May 29	May 1	287
60. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds; Compositions (part).	†Nov. 15	†Dec. 5	1709
60. GLASS, R. L., Electricity, Heating and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Marine Propulsion; Consumable Electrode Lamp and Discharge Devices.	Apr. 14	Apr. 14	357
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Laminated Electrical Insulation, Belt, Hose, Tire and Ball Making; Boats and Buoys.	Feb. 4	Jan. 30	956
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Nov. 13	†Nov. 25	407
63. WINKELSTEIN, A. H., Preserving; Poisons; Fermentation; Foods and Beverages; Proteins; Oils and Fats.	Jan. 5	†Dec. 22	1234
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Distillation; Fuel	Mar. 10	Mar. 11	1585
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays.	Mar. 23	Mar. 26	450
Trade Marks: RICHMOND, F. A	Aug. 19	Sept. 11	913
Designs: KALUPY, H. H	Aug. 28	Sept. 5	370

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

SLOAN *v.* PETERSON AND WALTER (No. 4,519)
SLOAN *v.* PETERSON AND WALTER (No. 4,520)
PETERSON AND WALTER *v.* SLOAN (No. 4,521)

Nos. 4,519, 4,520, and 4,521. Decided June 1, 1942

[129 F.(2d) 330]

Appeal No. 4,519

1. INTERFERENCE—BURDEN OF PROOF.

Where the application of S in interference was filed subsequently to the issuance of the patent to P and W, but S had another, copending application, filed prior to said issuance, disclosing the invention in issue, *Held* that S merely had the burden of establishing priority by a preponderance of the evidence.

2. SAME—PRIORITY.

Evidence reviewed and *Held* that S, the junior party, did not conceive or reduce to practice the invention in issue until a date subsequent to the filing date of P and W, the senior party, and that priority properly was awarded to P and W.

Appeals Nos. 4,520 and 4,521

3. SAME—BURDEN OF PROOF.

Where S filed his application in interference subsequently to the issuance of the patent to P and W, and a copending application of S, filed prior to said issuance, did not disclose the invention defined by counts 6 and 7 *Held* that, as to these counts, the burden rested upon S to establish priority beyond a reasonable doubt.

4. SAME—PRIORITY.

Evidence reviewed and *Held* that S, the junior party, did not conceive or reduce to practice the invention expressed in counts 1 to 4, inclusive, as to which S maintained his appeal, or in counts 6 and 7, upon which P and W appealed, until a date subsequent to the filing date of P and W, the senior party, and that, as to counts 1 to 4, inclusive, priority properly was awarded to S, but that, as to counts 6 and 7, priority should have been awarded to S also.

APPEALS from the Patent Office. Modified.

Mr. Donald M. Carter for Sloan.

Mr. Edmund H. Parry, Jr. (*Mr. Herbert H. Porter, Messrs. Mason & Porter* and *Mr. Edward B. Beale* of counsel) for Peterson and Walter.

HATFIELD, *J.:*

These are appeals in interference proceedings from the decisions of the Board of Appeals of the United States Patent Office. In appeals Nos. 4,519 (interference No. 75,856) and 4,520 (interference No. 75,857) appellant, William E. Sloan, has appealed from the Board's decisions affirming the decisions of the Examiner of Interferences awarding priority of the inventions defined in all of the counts—Nos. 1, 2, and 3, in interference No. 75,856, and 1 to 5, inclusive, in interference No. 75,857—to appellees Walker F. Peterson and Albert U. Walter. In appeal No. 4,521, appellants, Walker F. Peterson and Albert U. Walter, have appealed from the decision of the Board of Appeals affirming the decision of the Examiner of Interferences awarding priority of the subject matter defined in counts 6 and 7 in interference No. 75,857 to appellee William E. Sloan.

Owing to the fact that the evidence pertaining to the two interferences has been presented in a single record, we shall dispose of the issues presented in one opinion.

Appeal No. 4,519—Interference No. 75,856

The interference is between the application of William E. Sloan, No. 194,633, filed March 8, 1938, and appellees' (Walker F. Peterson and Albert U. Walter) Patent No. 2,089,223, issued August 10, 1937, on an application filed February 10, 1936. Appellant is the junior party and, as his involved application was filed subsequent to the issuance of appellees' patent, the burden would be upon him to establish priority of invention beyond a reasonable doubt were it not for the hereinafter related facts and circumstances. At the close of his rebuttal testimony, appellant, pursuant to rule 154 (*e*) of the Rules of Practice in the United States Patent Office, offered in evidence his patent application, Serial No. 128,931, filed March 4, 1937, which, it is argued in the brief of counsel for appellant, discloses the invention defined by the counts in issue. It is further argued in the brief of counsel that, as appellant's earlier filed application was copending with the application which matured into appellees' involved patent, appellees' patent was issued inadvertently, and that, therefore, appellant has the burden of establishing priority of invention by a preponderance of the evidence, not by evidence beyond a reasonable doubt. Although appellees moved to strike appellant's application No. 128,931 from the record, the Examiner of Interferences, for reasons not of importance here, overruled the motion and held that that application was properly before him. However, without discussing the disclosure contained in that application or holding that such application did not disclose the involved invention, the Examiner of Interferences held that the burden was upon appellant to establish priority of invention beyond a reasonable doubt. On appeal to the Board of Appeals, appellant assigned as error that holding of the Examiner of Interferences. The Board of Appeals, however, did not discuss the disclosure contained in appellant's application No. 128,931, nor did it state what degree of proof was required of appellant. Accordingly, we are here confronted with an issue neither discussed nor decided by the tribunals of the Patent Office, to wit: Does appellant's application No. 128,931 disclose the involved invention? If it does, there being continuity between that application and appellant's involved application, the burden was upon appellant to establish priority of invention by a preponderance of the evidence. *Spaulding* v. *Norden*, 1904 C. D. 439, 442, 443, 112 O. G. 2091; *White* v. *Trube*, 23 C. C. P. A. (Patents) 1275, 1277, 84 F.(2d) 216, 473 O. G. 234; *Becket* v. *Arness*, 27 C. C. P. A. (Patents) 1251, 112 F.(2d) 1011, 521 O. G. 789. If, on the other hand, appellant's earlier filed application does not disclose the involved invention, the burden was upon

appellant to establish priority of invention beyond a reasonable doubt. *Walker* v. *Altorfer*, 27 C. C. P. A. (Patents) 1130, 111 F.(2d) 164, 519 O. G. 1043; *Van Cleef* v. *Tierney*, 28 C. C. P. A. (Patents) 1039, 118 F.(2d) 911, 530 O. G. 8; *William G. H. Finch* v. *Garett Van der Veer Dillenback, Jr.*, 28 C. C. P. A. (Patents) 1171, 121 F.(2d) 459, 530 O. G. 737.

The involved invention relates to a device for obtaining a quiet flow of water in the flushing of water-closets, and, for the purpose of convenience, may be referred to as a "quiet flow retarding" or throttling device.

As is well known, the flushing of a water-closet bowl may be accomplished either by means of a flush valve directly connected between the water-supply line and the toilet bowl, or by means of water contained in a "gravity discharge flush tank." When a "gravity discharge flush tank" is used, the water is supplied to the tank by means of a valve controlled by a ball cock.

It appears from appellees' patent, in which the counts originated, that the quiet flow retarding or throttling device may be located between the flush valve and the toilet bowl, or it may be located between the water-supply line and the flush valve.

The device in question is sufficiently defined in the involved counts of which count 3 is illustrative. We quote count 3:

> 3. A quiet flow retarding device for liquids comprising means providing a conduit, and a body located in said conduit and supported against axial movement relative thereto, the internal wall of the conduit and the adjacent wall of the body providing an annular space which remains constantly open during the operation of the device for the flow of liquid and which causes the liquid to flow in a sheet having a thickness of less than 0.125 inch for a length in the direction of the flow of more than ten times the thickness of the sheet.

It will be observed that in the device called for by the quoted count, the internal wall of the conduit and the adjacent wall of the body located in the conduit provide an annular space for the flow of liquid therethrough. During the operation of the device, the liquid is caused

> "to flow in a sheet having a thickness of less than 0.125 inch for a length in the direction of the flow of more than ten times the thickness of the sheet."

Although counsel for appellant has, in his brief, compared the elements in the involved counts with the disclosure in appellant's earlier filed application and has argued with considerable plausibility that that application discloses the involved invention, counsel for appellees have not informed the court as to their views regarding the disclosure in that application, nor have they attempted to answer the arguments presented here by counsel for appellant.

Appellant's earlier filed application relates to a flush valve in combination with a throttling device. The throttling device comprises a cylindrical body or plug located in a cylindrical conduit, having an "annular space" about .015 inch in diameter between the inner wall of the conduit and the outer wall of the body located therein to permit the flow of water therethrough. The wall of at least one of the surfaces, that is the surface of either the wall of the conduit or of the body located therein, is roughened.

It is argued here by counsel for appellant that the "annular space" disclosed in appellant's earlier filed application extends for a distance in the axial direction of the flow of water more than ten times the width of such annular space, as called for by the counts in issue. Counsel for appellees do not challenge that statement, and, although we are not entirely clear that appellant's earlier filed application discloses that limitation, we shall assume for the purpose of this decision that it does.

[1] We hold, therefore, that appellant's earlier filed application discloses a throttling device conforming to all of the limitations contained in the counts in issue, and that the burden was upon appellant to establish priority of invention by a preponderance of the evidence.

It may be observed at this point that appellant states in his earlier filed application that the flush valve, which includes the throttling device in combination, is "designed to give a rate of flow during the flush period ranging between twenty and twenty-five gallons a minute" at pressures ranging from five to one hundred pounds to the square inch. (The importance of that feature of appellant's disclosure in that application will appear more clearly hereinafter.)

Counsel for appellant contended before the tribunals of the Patent Office, and contends here, that appellant has established that he conceived and reduced to practice devices (appellant's Exhibits 2, 7, and 13) conforming to the involved counts in 1933. The Examiner of Interferences held, however, in which holding the Board of Appeals concurred, that those exhibits do not conform to the limitations contained in the counts in issue in that the body members within the conduits of those devices were made of perforated discs and, in the operation of those devices, the flow of water was through the perforations in the discs and not in a "sheet" through an annular space between the discs and the walls of the conduits, as called for by the counts in issue. In his decision, the Examiner of Interferences described and discussed those exhibits in considerable detail, and as the record fully substantiates the holding of the tribunals of the Patent Office that, for the reasons stated by those tribunals, the exhibits do not conform to the structure defined by the counts in issue, we deem it unnecessary to discuss them here. If, however, by a somewhat strained construction of the involved counts it might be held that those devices (exhibits 2, 7, and 13) conformed to the limitations contained in the counts, it is apparent from the record that those devices were not satisfactory and were abandoned by appellant long prior to the filing of appellant's involved application.

Counsel for appellant also contended before the tribunals of the Patent Office, and each of those tribunals held, that appellant had established that he conceived the involved invention on February 14, 1935, and reduced it to practice by the successful operation of a device conforming to the counts in issue on February 15 of that year. The decisions of those tribunals were based upon a drawing (exhibit 15), bearing the date of February 14, 1935, made by appellant's witness Emil J. Kocour, a

draftsman employed by the Sloan Valve Company of which appellant was then president, exhibit 16, which is a silencing device made by appellant's witness James J. Swartz, employed by the Sloan Valve Company as "tool room foreman," and the successful operation of exhibit 16 by the witness Emil J. Kocour and the witness Carl H. Krause, who was an employee in the testing and developing department of the Sloan Valve Company.

It appears from the testimony of appellant and that of the witness Kocour that exhibit 15 was made in accordance with instructions given the witness Kocour by appellant Sloan.

The witness Swartz testified that he made exhibit 16 in conformity with the drawing (Exhibit 15). When asked when he made the device (exhibit 16) he said: "That was made the date right here, 2-14-35 [referring to the date on the drawing, exhibit 15]." The witness also stated that after making exhibit 16 he turned it over for testing the day "following this date on here [referring to the date on exhibit 15]." He did not testify that he saw the device (exhibit 16) operated.

The witness Krause testified that he and the witness Kocour tested exhibit 16 on February 15, 1935. When asked to state the results of that test, he said: "The test sheet Sloan Exhibit 17 shows that we were able to get quiet between a rate of flow of twelve to fifteen gallons per minute."

Appellant's exhibit 17 is a test sheet, alleged to indicate the results of the tests made by the witnesses Krause and Kocour of the device (exhibit 16). It bears the date "2–15–35."

The witness Krause further stated that it was the purpose of appellant Sloan to design and make a throttling or silencing device, a flush valve, and a closet bowl that would operate together quietly with a rate of flow of water from twelve to fifteen gallons per minute, and that such combinations were intended to be used in small private homes, which, he stated, "could not handle a flush valve or bowl that had the rate of flow that it requires to operate the bowls that were on the market."

It may be stated at this point that the bowls and flush valves on the market in 1935 and apparently in November, 1938 (the time of the taking of appellant's testimony in this case) required, according to the testimony of appellant Sloan, a rate of flow of from twenty to thirty gallons per minute, depending on the kind of bowl used, and that the average rate of flow was about twenty-five gallons per minute.

The witness Krause testified that the dates appearing on appellant Sloan's Exhibits 3, 8, and 14 (which exhibits are test sheets showing the results of the tests of Sloan's devices, exhibits 2, 7, and 13, respectively, hereinbefore referred to) were placed thereon by the witness Irving H. Russell, chief engineer of the Sloan Valve Company on the dates indicated. He was not asked, however, and he did not state by whom exhibits 15 and 17 were dated, or when the dates were placed thereon. It is apparent from the testimony of the witness that he had no independent recollection of either the date of the alleged tests of exhibit 16 or of the results of those tests, and that he relied upon the dates appearing on exhibits 15 and 17 to fix the date of such tests and upon the data appearing on exhibit 17 for the results of such tests.

The witness Kocour testified that the drawing (appellant's exhibit 15) was made on February 14, 1935; that exhibit 16 was "completed on or the day after February 14, 1935"; that exhibit 17 was a record of tests made on exhibit 16 on February 15, 1935; that he and the witness Krause tested exhibit 16 on February 15, 1935; that he adjusted the device (exhibit 16) so as to get approximately fifteen gallons of water per minute; that the device operated quietly at a rate of flow of from twelve to fifteen gallons per minute at any pressure up to one hundred pounds; that at that time he was interested only in securing a rate of flow of twelve to fifteen gallons per minute; and that the reason he was interested in that low rate of flow was that the Sloan Valve Company decided to make throttling devices, flush valves, and closet bowls that would operate together at a low rate of flow for use in small homes where ordinary flush valves and toilet bowls, which had a rate of flow between twenty and thirty gallons per minute, were not suitable. He further stated that exhibit 17 was compiled from notes which he had written out in long hand on the day the tests were made. Although the drawing (exhibit 15) was made by the witness, he was not asked when or by whom the date, February 14, 1935, was placed thereon; nor was he asked to state when or by whom the date, February 15, 1935, was placed on exhibit 17. Furthermore, in testifying that exhibit 15 was made on February 14, 1935, that the tests of exhibit 16 took place on February 15 of that year, and that the test sheet was made on the latter date, it is evident that the witness was relying upon the dates appearing on exhibits 15 and 17, and that he had no independent recollection of the date when exhibits 15 and 17 were made or when the tests of exhibit 16 took place. It appears from the testimony of the witness that immediately after the tests of the device (exhibit 16), he made a drawing (Sloan exhibit 18), and that exhibit 16 was modified in accordance with that drawing. (The drawing indicates that instead of one annular chamber exhibit 16, as modified, had two annular chambers. It is in its modified form that exhibit 16 now appears.) The witness stated that although he had tested the modified device, he made no record of the tests and did not know why a record was not kept. Although exhibit 18 is dated "2–15–35," the witness was not asked to state when or by whom the date was placed thereon.

Appellant's witness Irving H. Russell testified that he made no tests of exhibit 16; that the initials "E. J. K.," appearing on exhibit 17, were the initials of the witness Emil J. Kocour; and that the initials "C. H. K.," appearing on that exhibit, were the initials of the witness Carl H. Krause. Although in testifying regarding the development of a closet bowl which would operate at a low rate of flow of

about fifteen gallons per minute, the witness stated that such a bowl was developed and successfully tested in the summer of 1937 and that a flush which would operate quietly at a low rate of flow was made sometime during that year, he did not testify that he had ever seen exhibits 15, 16, 17, or 18 prior to the taking of his testimony. The witness testified that a flush valve having a throttling device therein was made in accordance with a drawing (Sloan exhibit 38), dated January 12, 1937. Although he described the flush valve in a general way, he was unable to give any of its dimensions except that the supply pipe of the valve was one inch in diameter. He stated that the valve was intended to be used with closet bowls developed by the Sloan Valve Company; that it operated at a low rate of flow of about fifteen gallons per minute; and that tests were made of it. Just when the tests were made, he did not state.

Appellant William E. Sloan testified that the drawing (exhibit 15) was made under his directions by the witness Kocour. Relative to the tests of exhibit 16, he said that he was in and out of the test room while they were being made. When asked on cross-examination as to the results of the tests of exhibit 16 prior to its modification, he said:

* * * *The only thing that I recall now about the test was that we were considerably elated in one respect and disappointed in another.*

We were pleased that we got silence with so large a crevice. We would have been better pleased if we could have gotten a larger rate of flow quietly. [Italics ours.]

Sloan further stated that exhibit 16 operated successfully as indicated by the test sheet (exhibit 17), but that about fifteen gallons per minute was the maximum amount

"we could get quiet";

that

"it was successful for silence up to fifteen gallons a minute";

that it

"was successful in principle, but the construction of the whole apparatus or device was not such as we would attempt to market, but is such as you usually make up for an experimental test";

that the tests on exhibit 16 satisfied him that he had solved the problem of making a quiet "silencing device" (which problem counsel here insists was solved by appellant in 1933 by the construction and operation of exhibits 2, 7, and 13); and that after the tests he was satisfied that he had a device—

that was practical *except that it did not have the rate of flow that I wanted or is required to supply a direct connected flush valve water closet as they are now on the market,* as these closets require a rate of flow of from twenty to thirty gallons a minute, depending on the kind of bowl used, but the average is about twenty-five gallons a minute. *To make my new silencer of that capacity would make it almost too large, I thought, to be practical.* Besides this I wanted a closet bowl that could be successfully flushed and that would be acceptable for general use that would require a much smaller rate of flow, as such a closet could not only be supplied through my new silencer, but would open up the field of small one or two family homes for direct connected flush valves, and this class of buildings were practically no market for direct connected flush valves because of the added expense for the larger supply direct connected flush valves did require. [Italics ours.]

The witness further stated that exhibit 16 was modified in accordance with the drawing (exhibit 18) for the purpose of securing a higher rate of flow therethrough; that the modification consisted of placing a sleeve on the outside of the body or plug located in the conduit, thus making two passageways, one between the sleeve and the plug and one between the sleeve and the inner wall of the conduit; and that although the device as modified permitted a greater rate of flow therethrough, it was not satisfactory because the passageway between the plug and the sleeve would fill up with extraneous matter, such as sand, etc. He further testified that after he had tested exhibits 2, 7, and 13, during the period from March 20, 1933, to May 1 of that year, the Sloan Valve Company attempted to secure a closet bowl and flush valve that would operate quietly in combination with a "line stop" at a low rate of flow, so that, as he put it, the Sloan Valve Company "could get into the one and two family homes * * * with a direct connected flush valve"; that the company was unable to find a bowl that would operate successfully and, accordingly, investigated an entirely different type of bowl and flush valve (referred to in the record as an alternator bowl and flush valve) neither of which has any relation to the throttling device here involved; that, after spending considerable time and money attempting to construct an alternator valve for the alternator bowl, he finally, sometime in the summer of 1936, decided to try to make up a bowl of regular design that could be operated at a low rate of flow; and that, to that end, he employed the witness Frederick J. Collender. (The witness Collender stated that he was employed by the Sloan Valve Company on June 18, 1936, and that he worked on the alternator type of bowl for about a month, that is, until about July 18, 1936.) Sloan further testified that he made a silent flush valve that was satisfactory, and that the drawing for such a valve was made by Kocour on January 12, 1937 (Sloan exhibit 38). He did not state, however, when such a silent flush valve was made.

Exhibit 38 bears the stamp "Received Jan. 27, 1938. Patent Dept. Sloan Valve Co."

Appellant Sloan further testified that after making the silent flush valve in accordance with exhibit 38 and a silent closet bowl that would operate at a low rate of flow, he filed his involved patent application which is for the throttling device involved in this interference.

It appears from the testimony of the witness Collender that on May 10, 1937, a test was made of a bowl which operated quietly at a low rate of flow from eleven to thirteen gallons per minute, as indicated on the test sheet (Sloan exhibit 43). He further stated that other bowls were secured on July 27, 1937; that they operated quietly at a low rate of flow ranging from ten to fifteen gallons per minute; that he secured fifty-eight bowls on February 16, 1938; that they were tested on February 23, 1938; and that each of them worked quietly at a rate of flow from eleven and one-half to thirteen gallons per minute.

Sloan's exhibit 40 is a test sheet, dated November 17, 1936, and shows a test of a closet bowl with "Housing Valve and New Screen Stop." Sloan's exhibit 41 is a test sheet, dated January 5, 1937, and indicates that a test was made of a closet bowl with "Spec. silent stop. (Screen in stop would clog up.)" Sloan's exhibit 42 consists of four test sheets, dated March 2, 3, 12, and 15, 1937, showing tests of closet bowls with housing valves. Apparently no throttling devices were used in those tests. Sloan's exhibit 43 consists of test sheets dated May 10, 12, 13, 17, 18, and 19, 1937. Although it appears from exhibit 43 that a regulating stop somewhat similar to exhibit 16 prior to its modification was used in a housing valve in the tests there recorded, there is nothing of record to establish that the regulating stop there described conformed to the counts in issue. Sloan's exhibit 44 is a test sheet, dated July 27, 1937, and shows the test of a closet bowl which, according to the exhibit, was "Tested with new stop per drg 7-16-37." It is further stated on that exhibit that

"Bowl works so well at low rate of flow, down to 10 GPM [gallons per minute], that we believe we can reduce the stop crevice from .0175" to .015" and also the barrel dia. from 1¼" I. D. to 1⅛" I. D. (Best rate of flow for bowl—12 GPM [gallons per minute].)"

Following the quoted excerpts, appear the dimensions of the stop tested with the closet bowl, and the statement "Make new stop" with the dimensions to be used appearing thereunder.

(It may be said at this point that although the witness Russell testified that exhibit 44 was in his handwriting, he was not asked to identify either the drawing for the "new stop" or the "new stop" referred to on the exhibit as having been tested, and neither the drawing nor the stop was introduced in evidence. Whether the suggestion appearing on the exhibit "Make new stop" in conformity with the specified dimensions was ever carried out does not appear from the evidence of record.)

Although the "new stop," referred to on exhibit 44 as having been tested on July 27, 1937, would appear to be somewhat similar to the device (appellant's Exhibit 16) prior to its modification, the dimensions of the "new stop" do not conform to the dimensions of exhibit 16. Apparently, the "new stop" worked satisfactorily with the new closet bowls obtained by the Sloan Valve Company a short time prior to the alleged test. However, that is the only evidence of the use of a throttling device which was at all similar to exhibit 16, subsequent to the tests of that exhibit alleged to have taken place on February 15, 1935. Furthermore, the throttling device, referred to on exhibit 44, was made not from the drawing (exhibit 15, which, together with exhibits 17 and 18, was received by the patent department of the Sloan Valve Company on March 9, 1937), but from a new drawing dated July 16, 1937, which, as hereinbefore noted, was not introduced in evidence. The date, July 16, 1937, is important because appellant's witness Russell testified that he had seen one of appellees' throttling devices sometime in March, 1937, and that he had tested at least one of appellees' throttling devices at the Sloan Valve Company's plant in June, 1937. Furthermore, on May 4, 1937, the Sloan Valve Company, per R. M. Nelson, vice president of the company, wrote to appellee Peterson (appellees' exhibit AK–10), stating that a Mr. Burke, who was employed by the Baltimore Valve Corporation of which appellee Peterson was president—

* * * showed us your silent stop, and as we have been giving the Binnall Patents #2,012,255, #2,024,270 and #2,026,506 on silencing considerable study, we looked them up again to see if there was a possible infringement. There isn't now, but Mr. Binnall has until December 31, 1937, to secure a reissue with broader claims which may cover your stop. In fact, he has already secured one reissue last January, #20,246, to cut us out of something we were using.

If Mr. Binnall sees your silent stop, there is a possibility of his being able to get another reissue with claims which might shut out out. *Therefore, if we were you, we would withdraw your silent stop from the market until January 1, 1938, to keep from stirring up Mr. Binnall.*

Our selfish interest is that should your stop be successful, it will give us something to go to if we need it to compete with Speakman. [Italics ours.]

On May 15, 1937, appellee Peterson replied (appellees' exhibit AK–11), stating that he was familiar with the Binnall patents referred to in appellees' exhibit AK–10; that he had been advised by his attorney that appellees' throttling device differed in principle from the Binnall disclosure; that appellees' device had never been put on the market as it was thought that it was salable only in combination with a flush valve; and that it did not appear possible to delay the issuance of appellees' patents until January 1, 1938.

On September 27, 1937, Mr. Nelson, on behalf of the Sloan Valve Company, wrote appellee Peterson (appellees' exhibit AK–13), stating, in substance, that, owing to vacations, the engineers of the Sloan Valve Company had not had the opportunity to give full consideration to appellees' device; and that pending such consideration

"we might be able to save some time *by having you submit your proposition to us for the exclusive use of your device in connection with flush valves as your reasonableness in this respect will naturally have some effect on our action should we find that we are interested.*" [Italics ours.]

(In this connection, it may be said that Mr. Nelson, on behalf of the Sloan Valve Company, under date of August 17, 1937, acknowledged receipt of appellees' patents, appellees' exhibit AK–12, and stated that he would be glad to hear from Mr. Peterson.)

It will be recalled that Sloan's patent application, filed March 4, 1937, which we have held disclosed the involved invention, was for a flush valve in combination with a throttling device designed to give a rate of flow between twenty and twenty-five gallons per minute, whereas appellant's exhibit 16, claimed to have been conceived and reduced to practice in February, 1935, would not operate successfully at a rate of flow in excess of fifteen gallons per minute; that appellant Sloan, who claims to have been trying since May, 1933, to secure a flush valve and bowl that would operate quietly at a low rate of flow, was disappointed because his exhibit 16 would not operate successfully at a rate of flow higher than fifteen gallons per minute; that exhibit 16 was modified so that it would operate at a rate of flow higher than fifteen gallons per minute, but that, when so modified, it was not satisfactory; and that appellant Sloan testified that until he could design and construct a flush valve and a closet bowl that would operate in combination with a throttling device hav-

ing a low rate of flow, such a throttling device was not practical. (As a matter of fact there is no evidence of record that a throttling device having exactly the same dimensions as exhibit 16 ever had any utility.)

It will also be recalled that the witness Swartz, who stated that he made exhibit 16 from the drawing (exhibit 15) and the witnesses Krause and Kocour, who testified regarding exhibits 15 and 17 and the successful operation of exhibit 16, were not asked and did not state who placed the dates on exhibits 15 and 17, or when those dates were placed thereon.

The drawing appearing on exhibit 15, having been properly identified, is sufficient to establish conception by appellant of the involved invention. However, the date when that drawing was made is of vital importance, and it is strange indeed, particularly in view of the hereinbefore related facts and circumstances, that counsel for appellant, who, with meticulous care, examined appellant's witnesses as to the dates appearing on other of appellant's documentary exhibits, did not interrogate at least one of them regarding the date appearing on exhibit 15. Counsel for appellant was, of course, aware that it was essential that some evidence be submitted to establish that exhibit 15 was, in fact, made on the date which it bears—February 14, 1935. There being no such evidence, we are unable to hold that appellant is entitled to February 14, 1935, for conception of the involved invention.

[2] What has been said regarding proof of the date when exhibit 15 was made applies also to the date when exhibits 17 and 18 were made, and as there is no evidence as to when those exhibits were made, we are unable to hold that appellant has established that they were, in fact, made on February 15, 1935, the date appearing thereon. Furthermore, as the witnesses who testified regarding the construction of exhibit 16 and the testing of that device were obviously relying entirely upon the dates appearing on exhibits 15, 17, and 18 to fix the date when exhibit 16 was constructed and tested, we are unable to hold that appellant has established a successful reduction to practice of exhibit 16 on February 15, 1935, or at any other time. Nor are we able to hold that appellant has established conception or reduction to practice of a device, having a low rate of flow, that was in any way similar to exhibit 16 prior to July 27, 1937 (when the device disclosed on appellant's exhibit 44 was tested), which was subsequent to appellees' filing date (February 10, 1936) and was also subsequent to the time (March, 1937) when appellant's witness Nelson had seen appellees' device and, on behalf of the Sloan Valve Company, had corresponded with appellee Peterson during May, 1937, regarding such a device.

Although counsel for appellant has relied upon a device having a low rate of flow to establish conception and reduction to practice of the involved invention, the counts are not limited to such a device, but are sufficiently broad to cover a device having a high rate of flow.

Appellant having filed his earlier application March 4, 1937, in which he disclosed a device having a high rate of flow and which we have hereinbefore held disclosed the involved invention, he is entitled to that date for conception and constructive reduction to practice of the invention defined by the counts in issue. That date being subsequent to appellees' filing date (February 10, 1936), it is unnecessary that we consider the evidence introduced by appellees, which the tribunals of the Patent Office concurred in holding was sufficient to establish conception and reduction to practice of the involved invention as early as June, 1934.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Appeals Nos. 4,520 and 4,521—Interference No. 75,857

These are cross-appeals wherein appellant William E. Sloan (in appeal No. 4,520) has appealed from the decision of the Board of Appeals awarding priority of invention of the subject matter defined in counts 1 to 5, inclusive, to appellees Walker F. Peterson and Albert U. Walter, and appellants Walker F. Peterson and Albert U. Walter (in appeal No. 4,521) have appealed from the decision of the Board of Appeals awarding priority of the subject matter defined in counts 6 and 7 to appellee William E. Sloan.

The interference is between the application of William E. Sloan, No. 194,633, filed March 8, 1938, and Patent No. 2,089,224, issued to Walker F. Peterson and Albert U. Walter, August 10, 1937, on an application filed April 20, 1936.

In appeal No. 4,520, appellant William E. Sloan is the junior party, and as it appears to us that the subject matter of counts 1 to 4, inclusive, is disclosed in appellant's application filed March 4, 1937 (referred to in our decision in appeal No. 4,519), which was copending with appellees' application which matured into their involved patent, and there being continuity between appellant's application of March 4, 1937 and his involved application, the burden was upon appellant to establish priority of the invention defined by those counts by a preponderance of the evidence. See authorities cited in our decision in appeal No. 4,519.

At the time of the oral arguments in this court, counsel for appellant moved to dismiss appeal No. 4,520 as to count 5. The motion will be granted.

[3] In Peterson and Walter's appeal (No. 4,521), involving counts 6 and 7, it is not contended here by appellee Sloan that his copending application, filed March 4, 1937, discloses the invention defined by those counts (and it clearly does not), and as Sloan's involved application was filed subsequent to the issuance of the Peterson and Walter patent, Sloan has the burden of establishing priority of the invention defined by those counts by evidence beyond a reasonable doubt. See authorities cited in our decision in appeal No. 4,519.

Count 1, in appeal No. 4,520, and count 6, in appeal No. 4,521, are illustrative of the counts in issue. They read:

1. A device for retarding the flow of a liquid with substantial quietness, comprising means providing a passage having opposed walls which are spaced apart a minimum distance of 0.015 inch and a maximum distance of 0.125 inch for a distance at least ten times the minimum distance between the surfaces, at least one of said walls having a roughened surface consisting of elevations and depressions spaced apart a distance from 1/16 to 1/80 of an inch in the direction of flow along said surfaces.

6. A device for retarding the flow of a liquid with substantial quietness, comprising means providing a passageway having opposed walls separated a distance between 0.015 and 0.125 inch, at least one said wall having ribs and grooves extending transversely to the direction of flow of liquid through the passage, the ribs being spaced apart from 1/16 to 1/80 of an inch and having substantially flat land portions having a width in excess of 0.005 inch and the grooves having a depth in excess of 0.005 inch.

The subject matter of counts 1 to 4, inclusive, of the involved interference differs from that defined in the counts in interference No. 75,856 (appeal No. 4,519) in that the involved counts contain the limitation that at least one of the walls, that is, either the wall of the conduit or the wall of the body located therein (which walls provide the space for the flow of liquid), is provided, as stated in count 1 of the involved interference, with

"a roughened surface consisting of elevations and depressions spaced apart a distance from 1/16 to 1/80 of an inch in the direction of flow along said surfaces."

Counts 6 and 7, in appeal No. 4,521, are further limited in that either the wall of the conduit or the wall of the body located in the conduit is provided with ribs and grooves extending transversely to the direction of the flow of liquid, the ribs

"being spaced apart from 1/16 to 1/80 of an inch and *having substantially flat land portions* having a width in excess of 0.005 inch and the grooves having a depth in excess of 0.005 inch." [Italics ours.]

It will be observed that counts 6 and 7 differ from counts 1 to 4, inclusive, in that, among other things, the ribs or threads in either the wall of the conduit or the wall of the body located in the conduit have "substantially flat land portions"; that is, the threads, instead of terminating in sharp ridges, are substantially flat.

As to all of the counts involved in this interference, counts 1 to 4, inclusive (in Sloan's appeal, No. 4,520), and counts 6 and 7 (in Peterson and Walter's appeal, No. 4,521), the party Sloan relies for conception and reduction to practice upon his drawing (exhibit 15), the throttling device (exhibit 16), the test sheet (exhibit 17) and the testimony of the witnesses Swartz, Krause, and Kocour, which evidence we have considered in interference No. 75,856 (Sloan's appeal No. 4,519).

It appears, as held by the tribunals of the Patent Office, that exhibit 16, prior to its modification as shown on exhibit 18, conformed to all the limitations contained in the involved counts. The tribunals of the Patent Office concurred in holding that the party Sloan had established that he conceived the invention defined by the counts in this interference on February 14, 1935, and reduced it to practice on February 15 of that year by the successful operation of Exhibit 16; that Peterson and Walter were entitled to a date as early as June, 1934, for reduction to practice of the invention defined in counts 1 to 4, inclusive, and, therefore, were entitled to priority of the invention defined by those counts.

As to counts 6 and 7 in appeal No. 4,521, the tribunals of the Patent Office concurred in holding that although appellants Peterson and Walter had conceived the invention defined in those counts prior to February 15, 1935, they had failed to establish that they had reduced it to practice prior to December of that year, and that they had failed to establish that they were diligent in reducing the invention to practice at the time appellee Sloan entered the field, February 14, 1935, and, accordingly, awarded priority of the invention defined by those counts to appellee Sloan.

It is unnecessary that we again discuss the evidence relating to the disclosure in exhibit 15 and the alleged reduction to practice of the device (exhibit 16). We are of opinion, for the reasons stated in our decision in appeal No. 4,519, that the party Sloan is not entitled to a date of conception or reduction to practice of the subject matter defined by counts 1 to 4, inclusive, in appeal No. 4,520, and counts 6 and 7, in appeal No. 4,521, prior to the filing date of Peterson and Walter (April 20, 1936), and that Peterson and Walter are entitled to an award of priority of the invention defined by the counts in issue.

In appellant Sloan's appeal (No. 4,520), the appeal is dismissed as to count 5.

[4] The decision of the Board of Appeals is modified, being affirmed as to counts 1 to 4, inclusive, in appeal No. 4,520, and reversed as to counts 6 and 7 in appeal No. 4,521.

Modified.

U. S. Court of Customs and Patent Appeals

MCBRIDE *v.* TEEPLE, JR.

No. 4,576. Decided June 1, 1942. Original decision February 26, 1940

1. INTERFERENCE—DILIGENCE.

The claimed diligence of a party in the prosecution of claims for the invention in issue in an interference, in an earlier filed application which was not copending with his application involved in the interference, has no bearing on the question of diligence in reducing the said invention to practice.

2. SAME—PRIORITY.

Evidence reviewed again after remand of the interference to the tribunals of the Patent Office and *Held* that, as to count 1, priority properly was awarded to T, the senior party.

APPEAL from the Patent Office. Affirmed.

Messrs. John H. Bruninga, John H. Sutherland, and *Charles E. Riordon* for McBride.

Mr. Frederick Schafer and *Mr. Chester H. Biesterfeld* (*Mr. Fred S. Cross* of counsel) for Teeple, Jr.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of invention of the subject matter defined in the single count in issue to appellee, Oliver J. Teeple, Jr.

The invention relates to a process of producing propellant powder from nitrocellulose and a liquid explosive. The process is sufficiently described in the count in issue, which reads:

1. The process of producing a propellant powder which comprises treating a water-suspension of a nitrocellulose

base grain powder with a liquid explosive material of relatively high potential that is substantially insoluble in water and is a solvent for a portion of the powder, until the nitrocellulose is substantially impregnated with the material.

The interference is between appellant's application No. 751,584, filed November 5, 1934, and appellee's Patent No. 1,924,465, issued August 29, 1933, on an application filed October 27, 1932. Appellee's application which matured into his patent is a continuation in part of a prior application, No. 513,358, filed February 4, 1931.

Appellant is the junior party and, as his application was filed subsequent to the issuance of appellee's patent, the burden was upon him to establish priority of invention beyond a reasonable doubt.

The interference, involving seven counts including count 1 here in issue, was originally before us in the case of *McBride* v. *Teeple, Jr.*, 27 C. C. P. A. (Patents) 961, 109 F.(2d) 789, 518 O. G. 3. We there affirmed the decision of the Board of Appeals awarding priority of the invention defined in counts 2 to 7, inclusive, to appellee. As to count 1 here involved, we there held that as appellant had disclosed the invention defined therein in an application filed November 14, 1930, which matured into a patent (No. 1,955,927) April 24, 1934, in which the invention was not claimed, appellant was entitled to the filing date (November 14, 1930) of his earlier application for conception of the invention; that as appellant's involved application (filed November 5, 1934, six months after the issuance of his patent) was not copending with his original application, there was no continuity between his involved application and his original application and he, therefore, was not entitled to the filing date of his earlier application for constructive reduction to practice; and that as appellant had failed to establish an actual reduction to practice prior to the filing date (February 4, 1931) of appellee's earlier application, which we held disclosed the involved invention and which, because of its disclosure, entitled appellee to that date for conception and constructive reduction to practice, appellee was entitled to an award of priority, unless appellant had established that he was diligent in reducing the invention to practice at and immediately prior to the time (February 4, 1931) appellee entered the field and thereafter until appellant's claimed reduction to practice in November and December 1931, when 5,000 pounds of propellant powder was produced in accordance with the process defined in the involved count. In support of our holding that appellant was not entitled to the filing date of his earlier application for constructive reduction to practice, we cited the following cases: *Conover* v. *Downs*, 17 C. C. P. A. (Patents) 587, 35 F.(2d) 59, 389 O. G. 4; *Fessenden* v. *Wilson et al.*, 18 C. C. P. A. (Patents) 1171, 48 F.(2d) 422, 410 O. G. 815; *Writer* v. *Kwad*, 20 C. C. P. A. (Patents) 869, 63 F.(2d) 259, 431 O. G. 263; *Euth* v. *Oliver*, 21 C. C. P. A. (Patents) 1027, 70 F.(2d) 110, 447 O. G. 3. We further held that as counsel for appellant claimed in their brief that the evidence of record established diligence on the part of appellant in reducing the invention to practice during the critical period, and as the Board had not considered that issue, the interest of justice required that the case be remanded for a consideration of that issue by the tribunals of the Patent Office. The decision of the Board of Appeals was, accordingly, reversed as to count 1, and the cause remanded for proceedings consistent with the views expressed in our decision.

Our decision in that case was rendered February 26, 1940. Thereafter, on March 18, 1940, counsel for appellant filed a petition for a rehearing in which it was requested that the court determine whether the evidence warranted a holding that appellant had established that he was diligent in reducing the invention to practice. It was also requested that the court reconsider that portion of its decision wherein it was held that appellant was not entitled to the filing date of his earlier application for constructive reduction to practice.

The petition for rehearing was denied by this court on April 8, 1940.

It appears from the record in the instant case that the Examiner of Interferences considered the issue of appellant's diligence in accordance with our decision remanding the case to the Patent Office tribunals, and held that the evidence of record was not sufficient to establish that appellant was diligent in attempting to secure an actual reduction of the invention to practice during the critical period, and, accordingly, awarded priority of invention to appellee.

On appeal to the Board of Appeals, counsel for appellant contended that the Examiner of Interferences erred in holding that the evidence was insufficient to establish diligence on the part of appellant in reducing the invention to actual practice during the critical period, and that the Examiner also erred in failing and refusing to hold that the prosecution of appellant's earlier application constituted diligence during the critical period.

In its decision, the Board affirmed the decision of the Examiner of Interferences holding that the evidence was insufficient to establish diligence by appellant during the critical period. The Board also held that appellant could not rely on his earlier filed application as evidence of diligence in reducing the invention to practice during the critical period.

On appeal to this court, counsel for appellant abandoned the only issue covered by our remand to the Patent Office; and the only issue raised in appellant's reasons of appeal and discussed in the brief of counsel is that the pendency and diligent prosecution, during the critical period, of appellant's earlier filed application (which matured into a patent which discloses, but does not claim, the involved invention) constitutes diligence as a matter of law.

At the time of the oral arguments in this court, counsel for appellant contended that appellant's earlier filed application contained a claim to the involved invention, and that such claim was diligently prosecuted during the critical period. Whether appellant's earlier filed application, which, it was held in our prior decision, disclosed the involved invention, contained a claim for such invention, is not of vital importance in a proper determination of the issue here presented, because it is evident from the record that if that application did contain such a claim, such claim was rejected by the Primary Examiner, and the Examiner's rejection was acquiesced in by appellant, prior to the issuance of appellant's patent.

It is true that at the time appellee filed his original application (February 4, 1931), appellant's earlier filed application disclosed the involved invention, and, had an interference been declared between those applications, or between appellant's earlier application and appellee's patent or the application on which appellee's patent issued, appellant would have been entitled to the filing date of his earlier application for constructive reduction to practice. Or, had appellant filed an application for the involved invention prior to the issuance of his patent, he would have been entitled, in an interference between that application and appellee's patent, to the date of the filing of his earlier copending application for constructive reduction to practice. However, as appellant permitted his earlier filed application to mature into a patent without any claims therein for the involved invention, and as his involved application was filed subsequent to the issuance of his patent, there is a lack of continuity between appellant's earlier filed application and his involved application. Accordingly, appellant is not entitled to the filing date of his earlier filed application for constructive reduction to practice, as held in our prior decision.

[1] The issue covered by our remand to the Patent Office is not whether appellant was diligent in prosecuting his earlier filed application, but rather, having lost the benefits of the doctrine of constructive reduction to practice, was appellant diligent during the critical period in attempting to secure an actual reduction of the invention to practice.

[2] Obviously, appellant's claimed diligence in the prosecution of claims for the involved invention in his earlier filed patent application during the critical period has no bearing whatsoever on the issue of diligence in reducing the involved invention to practice; it has no bearing on appellant's actual reduction to practice in November or December, 1931, because it does not relate thereto; and it has no bearing on a constructive reduction to practice, because whatever right appellant might have had to a constructive reduction to practice by a disclosure of the involved invention in his earlier filed and patented application was lost long subsequent to the critical period; that is, at the time (April 24, 1934) appellant permitted his earlier filed application to mature into a patent without a claim therein for the involved invention.

[3] For the reasons stated, the decision is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,504,452, F. D. Hirst, Lubricating bolt, D. C., N. D. Ohio, E. Div., Doc. 20575, *C. K. Stoner* v. *The Ford Motor Co.* Claims 1, 2, 3, and 10 held not infringed Aug. 6, 1942.

1,879,003, G. A. Alles, Salts of 1-phenyl-2-aminopropane, filed Aug. 17, 1942, D. C., E. D. N. Y., Doc. 2840, *Smith, Kline & French Laboratories* v. *B. Zirin.* Same, filed Aug. 26, 1942, D. C., E. D. Pa., Doc. 2737, *Smith, Kline & French Laboratories* v. *Lannett Co., Inc., et al.*

1,958,580, A. A. Kasarjian, Spark plug, C. C. A., 2d Cir., Doc. —, *Aero Spark Plug Co., Inc., et al.* v. *B. G. Corp.* Decree affirmed (notice Aug. 14, 1942).

1,979,470, J. C. Johnston, Method of joining bell and spigot pipe sections, D. C., N. D. Ill., E. Div., Doc. 4563, *J. C. Johnston* v. *Servicised Products Corp.*

1,999,134, V. R. Pallas, Heat treated oiled filament, D. C., N. D. N. Y., Doc. 371, *V. R. Pallas* v. *Newton Line Co.* Patent held invalid Aug. 14, 1942.

2,051,013, H. E. Schulse, Art of beverage conditioning and dispensing; 2,098,211, same, Art of brew cooling, D. C., S. D. N. Y., Doc. 18/279, *Novadel-Agene Corp.* v. *P. S. & N. Foods, Inc., et al.* Consent judgment (notice July 7, 1942).

2,069,265, S. Musher, Stabilized fats and oils; 2,221,404, 2,199,364, same, Treatment of glyceride oils, filed July 24, 1942, D. C., S. D. N. Y., Doc. 18/481, *Musher Foundation, Inc.*, v. *Galvanoni & Nevy Bros., Inc.*

2,095,223, A. O. Samuels, Fan, C. C. A., 2d Cir., Doc. —, *Samson-United Corp.* v. *F. A. Smith Mfg. Co., Inc.* Decree affirmed (notice Aug. 7, 1942).

2,098,211. (See 2,051,013.)

2,110,290, 2,195,641, H. J. Criner, Bread slicing machine, D. C., S. D. Iowa, (Davenport), Doc. 81, *H. J. Criner et al.* v. *Micro Westco, Inc.* Decree for defendant, dismissing petition (notice July 23, 1942).

2,140,898, W. S. Collens et al., Method of, and apparatus for producing intermittent venous occlusions, D. C., S. D. N. Y., Doc. 17/313, *U. M. A., Inc.*, v. *Burdick Equipment Co., Inc.* Judgment (notice July 29, 1942).

2,150,267, F. Delano, Tube vulcanizer, filed Aug. 12, 1942, D. C., S. D. Calif., C. Div., Doc. 2362–Y, *Balloon Tire Mould Co.* v. *F. Delano et al.*

2,154,120. (See Des. 114,168.)

2,165,227, B. Cooper, Switch; 2,166,090, same, Treadle controlled system; 2,205,555, same, Treadle circuit, filed Aug. 5, 1942, D. C., S. D. N. Y., Doc. 19/51, *Taller & Cooper* v. *Westchester Co. et al.*

2,166,090. (See 2,165,227.)

2,173,131, L. Ottinger, Door handle construction, D. C., S. D. N. Y., Doc. 8/267, *L. Ottinger* v. *The Studebaker Corp. et al.* Final order (notice Jan. 19, 1942).

2,195,641. (See 2,110,290.) 2,199,364. (See 2,069,265.)

2,200,443, E. C. Dench, Discharge lamp circuit; 2,228,210, R. F. Hays, Jr., Gaseous relay device; 2,261,900, J. F. Cavanagh, Tubular lamp socket, D. C. R. I., Doc. 124, *Westinghouse Electric & Mfg. Co.* v. *The Lloyd Products Co. et al.* Consent judgment for plaintiff July 16, 1942.

2,205,555. (See 2,165,227.) 2,221,404. (See 2,069,265.)

2,225,000, J. Rothbart, Kneeling bench, D. C., S. D. N. Y., Doc. 13/253, *Bronx Casket Mfg. Co., Inc.*, v. *Dacor Corp.* Consent judgment (notice July 24, 1942).

2,228,210. (See 2,200,443.)

2,228,314, V. L. Holmes, Balanced door construction, D. C., S. D. Calif. (Los Angeles), Doc. 1872–BH, *V. L. Holmes* v. *Atlas Garage Door Co. et al.* Dismissed without prejudice July 31, 1942. Doc. 2068–BH, *V. L. Holmes* v. *Pacific Overhead Door Co.* Decree as above.

2,261,900. (See 2,200,443.)

2,281,043, H. H. Nelson, Venetian blind bracket, filed Aug. 6, 1942, D. C., E. D. N. Y., Doc. 2818, *Lorentzen Hardware Mfg. Corp.* v. *Abraham Winick & Sons et al.*

Re. 17,733, J. C. Nelson. Combination tie and spreader for concrete molds, filed July 28, 1942, D. C., N. D. Ill., E. Div., Doc. 4528, *Nelson Spreader-Tie Co.* v. *Heckman Building Products Co.*

Re. 17,857, C. L. Burgher, Means for heating enclosures electrically, D. C., S. D. N. Y., Doc. 10/151, *Duct Electric Heater Corp.* v. *Air Conditioners Sales Corp.* Final order Apr. 26, 1942.

Des. 114,046, J. C. Shapiro, Textile fabric, D. C., E. D. Pa., Doc. 450, *J. C. Shapiro et al.* v. *Standard Tapestry Co., Inc.* Consent judgment in favor of plaintiff granting injunction July 29, 1942.

Des. 114,168, E. S. Berliner, Folding curler comb; 2,154,120, same, Folding rat-tail comb, filed Apr. 24, 1942, D. C., S. D. N. Y., Doc. 3/332, *Injection Moulding Corp.* v. *Lapin Products, Inc.* Consent judgment (notice July 24, 1942).

Des. 114,976, M. Laczko, Dog sweater, filed July 31, 1942, D. C., S. D. N. Y., Doc. 19/22, *M. Laczko* v. *DeMar Co.*

Des. 116,348, V. S. Mandler, Dress, D. C., S. D. N. Y., Doc. 5/168, *Revlon Dance Frocks, Inc.*, v. *H. Goodman.* Stipulation of discontinuance (notice July 28, 1942).

Des. 120,053, E. M. Ciccone, Dress ensemble, D. C., S. D. N. Y., Doc. 8/387, *Thomas Posner & Bro., Inc.*, v. *Eileen-Joy Fashions, Inc.* Consent judgment (notice May 16, 1942).

Des. 122,368, S. Garblik, Dress, D. C., S. D. N. Y., Doc. 12/287, *Cameo Evening Fashions, Inc.*, v. *Henry A. Conder, Inc., et al.* Final order (notice June 23, 1942).

Des. 125,540, Des. 125,542, L. Friedman, Handbag, D. C., S. D. N. Y., Doc. 14/15, *Gold Seal Importers, Inc.*, v. *Westerman-Rosenberg, Inc.* Stipulation of dismissal as to Des. 125,542, June 1, 1942. Dismissed as to Des. 125,540, July 7, 1942.

Des. 127,721, A. Gold, Necktie clasp, filed Aug. 7, 1942, D. C., S. D. N. Y., Doc. 19/60, *Gold Bros.* v. *G. T. Moore Sons, Inc.*

Des. 129,071, M. Fields, Dress, D. C., S. D. N. Y., Doc. 15/496, *Parisian Mfg. Co., Inc.*, v. *Beck's Apparel Shop.* Consent judgment (notice July 24, 1942).

Des. 131,594, N. S. Mesh, Sweater, filed Aug. 19, 1942, D. C., E. D. N. Y., Doc. 2843, *Brooklyn Knit Sportswear Co., Inc.*, v. *Meriden Knitting Mills, Inc.*

Des. 132,497, J. Moskowitz, Dress ensemble, filed Aug. 4, 1942, D. C., S. D. N. Y., Doc. 19/40, *Ben Pow Dress Co.* v. *M. Swaybill, Inc.*

Disclaimers

1,936,947.—*Ronald V. Morgenstern*, Irvington, and *John H. Hackenberg*, Jackson Heights, N. Y. TELEGRAPH SYSTEM. Patent dated November 28, 1933. Disclaimer filed September 16, 1942, by the assignee, *The Western Union Telegraph Company.*

Hereby enters this disclaimer to claim 6 of said patent.

2,205,556.—*William M. Dwyer*, Chicago, Ill. HATCH COVER FASTENER. Patent dated June 25, 1940. Disclaimer filed September 7, 1942, by the assignee, *W. H. Miner, Inc.*

Hereby enters this disclaimer to claims 3 and 4 of said patent.

2,252,725.—*Joseph B. Niederl*, Brooklyn, N. Y. PHENOLIC SUGAR ALCOHOL. Patent dated August 19, 1941. Disclaimer filed September 5, 1942, by the inventor.

Hereby enters this disclaimer to that part of the specification which appears in the following words, to wit:

Page one, second column, in lines 21 and 22, "a carboxyl group, an ester"; in lines 23 and 24, "salicylic acid, alkyl salicylates, acetyl salicylic acid (aspirin)".

Page two, first column, in lines 40 to 44, "The condensation product obtainable from d-glucose and aspirin results in the formation of a sorbitol substituted aspirin or salicylic acid, or salicylic acid derivative, which is extremely soluble in water."

Page four, first column, in lines 38 to 60,

"EXAMPLE 4. D-GLUCOSE AND ACETYL SALICYLIC ACID

90 grams of acetyl salicylic acid (aspirin) are dissolved in 300 cc. of glacial acetic acid in a container provided with a stirrer, a reflux condenser, a gas inlet and a gas outlet tube. To this solution is added under constant stirring 90 grams of anhydrous d-glucose. Into this mixture a vigorous stream of dry hydrogen chloride gas is introduced until the reaction mixture becomes homogenous. The reaction mixture is then poured into water and the reaction product, the partially acetylated aspirin-sorbitol, is washed repeatedly with cold water. The condensation product is then hydrolyzed with boiling water or with dilute alkalies; a completely water-soluble sorbitol-salicylic acid is thus produced. The product has extremely valuable medicinal properties.

In a similar manner other esters and ethers of salicylic acid, such as methyl- or ethyl salicylate can be condensed with d-glucose, d-galactose, d-fructose, or any other reducing mono saccharide.";

and disclaims claims 1, 2, and 3.

2,260,114.—*John Hays Hammond, Jr.*, Gloucester, Mass. ELECTRIC SHAVER. Patent dated October 21, 1941. Disclaimer filed September 11, 1942, by the inventor.

Hereby enters this disclaimer of claims 1, 2, and 7 of said patent.

2,262,865.—*Terry M. Shrader*, West Summit, N. J. VOLUME CONTROL CIRCUITS. Patent dated November 18, 1941. Disclaimer filed September 16, 1942, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 6, and 8 of said patent.

2,277,443.—*Callard Livingston*, Chicago, Ill. SWITCH-STACK ASSEMBLY. Patent dated March 24, 1942. Disclaimer filed September 3, 1942, by the inventor, and the assignee, *Comar Electric Company.*

Hereby limit claims 1, 2, and 3 of said patent to that form of header which is concavo-convex and in which the curvatures of concavity and convexity are substantially uniform and not interrupted by flat surfaces; that form of header which is rectangular and provided with a central flat area with marginal portions sloping downwardly and outwardly from said flat area and either partially or totally surrounding said flat area, being specifically disclaimed hereby.

Adjudicated Patents

(C. C. A. N. Y.) Thompson patent, No. 1,710,035, for sound-reproducing instrument, claims 1, 3, and 5–8 *Held* invalid and not infringed. *Hazeltine Corporation* v. *Emerson Television-Radio*, 129 F.(2d) 580.

(D. C. Del.) Couzinet patent, No. 1,836,704, for airplane collapsible undercarriage for alighting on land and water, *Held* invalid. *Darling* v. *Douglas Aircraft Co.*, 45 F. Supp. 859.

(D. C. Ill.) Anthony patent, No. 2,198,423, for leakproof dry cell, claims 1–3 *Held* valid and infringed. *Ray-O-Vac Co.* v. *Goodyear Tire & Rubber Co.*, 45 F. Supp. 927.

(C. C. A. Ill.) Scott reissue patent, No. 16,048, for production of show cards, advertisements, signs, decorations, or the like by stenciling, claims 1–3 *Held* valid and infringed. *Ceramic Process Co.* v. *General Porcelain Enameling & Manufacturing Co.*, 129 F.(2d) 803.

(C. C. A. Del.) Bedell reissue patent, No. 20,945, for device for indicating oscillograph curves as stationary, *Held* invalid. *General Radio Co.* v. *Allen B. Du Mont Laboratories*, 129 F.(2d) 608.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 13, 1942

[VOL. 543. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

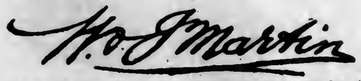
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 451,979. W. & J. MARTIN, Glasgow, Scotland. Filed Mar. 28, 1942.



The mark is the firm signature as written by the deceased senior member of the firm, William Martin.

FOR LEATHER.

Claims use since May 3, 1899.

Ser. No. 452,556. JOHN D. FARBER, doing business as Briggs Bituminous Composition Company, Philadelphia, Pa. Filed Apr. 24, 1942.

KEL-CO-TITE

FOR CRUDE COAL TAR.

Claims use since June 20, 1939.

Ser. No. 454,579. OLD BEN COAL CORPORATION, Chicago, Ill. Filed July 29, 1942.

0-10

FOR COAL.

Claims use since June 25, 1942.

Ser. No. 454,584. SOUTHERN COAL COMPANY, INCORPORATED, Memphis, Tenn. Filed July 29, 1942.



FOR COAL.

Claims use since Apr. 24, 1942.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 455,179. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 29, 1942.

JEEP-KIT

Applicant disclaims the word "Kit" apart from the mark.

FOR TOILET CASES.

Claims use since Aug. 14, 1942.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 454,479. O-CEDAR OF CANADA LIMITED, Toronto, Canada. Filed July 24, 1942.

FLIGHT-LUSTRE

The word "Lustre" is disclaimed apart from the mark.

FOR CLEANER AND POLISH FOR ALUMINUM AND ALUMINUM ALLOYS.

Claims use since Apr. 1, 1942.

Ser. No. 454,887. FIRMENICH & Co., New York, N. Y. Filed Aug. 13, 1942.

INSINUATION

FOR SOAPS AND SHAVING CREAMS.

Claims use since Nov. 5, 1941.

Ser. No. 454,913. ALFRED D. MCKELVY COMPANY, Minneapolis, Minn. Filed Aug. 14, 1942.

COMMANDO

FOR TOILET KIT CONTAINING SOAP.

Claims use since July 6, 1942.

Ser. No. 454,968. LIGHTFOOT SCHULTZ CO., New York, N. Y., and Hoboken, N. J. Filed Aug. 18, 1942.

ARIDERMA

FOR SAPONACEOUS COMPOUNDS FOR CLEANING

THE HANDS, SHAVING CREAM, SHAVING STICKS, SHAVING POWDER, OUTFIT PACKAGES CONTAINING SOAP AND TOWEL; SOAP POWDER FOR BATHING, WASHING, AND CLEANING PURPOSES; LAUNDRY SOAPS, SOAP FLAKES, HAND SOAPS, TOILET SOAPS, SOAP PASTES, WASHING TABLETS, AND SHAMPOO SOAPS.
Claims use since May 19, 1939.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 447,808. THE ILEX SUPPLY COMPANY LIMITED, London, England. Filed Oct. 15, 1941.



The name E. W. Page-Barker is disclaimed apart from the mark. The picture is fanciful.
FOR HAIR LOTIONS, HAIR TONICS, HAIR POMADES, AND OTHER PREPARATIONS FOR THE HAIR.
Claims use since May 18, 1923.

Ser. No. 451,769. RICHARD HUDNUT, New York, N. Y. Filed Mar. 20, 1942.

DuBarry Success Kit

The word "Kit" is disclaimed apart from the mark.
FOR SKIN FRESHENER, FOUNDATION LOTION, SKIN CREAM, TISSUE SOFTENING CREAM, FACE POWDER, LIPSTICK, LASH BEAUTY, EYE SHADOW, AND ROUGE.
Claims use since Dec. 11, 1941.

Ser. No. 453,740. SOZOL (1924) LIMITED, Ilkley, England. Filed June 18, 1942.

SOZOL

FOR ANTI-CORROSIVE CHEMICAL COMPOSITIONS OR COMPOUNDS.
Claims use since 1920.

Ser. No. 453,854. SPECIAL CHEMICALS CORPORATION, New York, N. Y. Filed June 24, 1942.

SPEKWITE

FOR MIXTURE OF CHEMICALS USED IN THE PLATING AND FINISHING ARTS.
Claims use since September, 1933.

Ser. No. 453,856. SPECIAL CHEMICALS CORPORATION, New York, N. Y. Filed June 24, 1942.

SPEKYELLO

Applicant disclaims the term "Yello" apart from the mark.
FOR MIXTURE OF CHEMICALS USED IN THE PLATING AND FINISHING ARTS.
Claims use since October, 1933.

Ser. No. 454,304. MEYER S. GLAUSER, doing business as Acnesolv Laboratories, Philadelphia, Pa. Filed July 18, 1942.

Sorenyol

The drawing is lined for red and blue.
FOR HEALING AND ANTISEPTIC SOLUTION AND OINTMENT.
Claims use since Mar. 2, 1942.

Ser. No. 454,713. ERLEN CHEMICAL COMPANY, Philadelphia, Pa. Filed Aug. 4, 1942.

SAN-LEAU

FOR TEXTILE TREATING BATH—NAMELY, A WATER REPELLANT SIZE FOR USE IN THE TEXTILE AND HOSIERY TRADES.
Claims use since Apr. 22, 1942.

Ser. No. 454,789. WALLACE & TIERNAN PRODUCTS INCORPORATED, Belleville, N. J. Filed Aug. 7, 1942.

THERAFILM

FOR GERMICIDAL COMPOSITIONS.
Claims use since July 23, 1942.

Ser. No. 454,799. THE DRACKETT COMPANY, Cincinnati, Ohio. Filed Aug. 8, 1942.

Drāno

FOR CHEMICAL FOR CLEANSING DRAINS, SINKS, WASHBOWLS, ETC.
Claims use since Apr. 3, 1923

Ser. No. 454,842. WILLIAM R. WARNER & CO., INC., Wilmington, Del., and New York, N. Y. Filed Aug. 10, 1942.

SULFATHIADOX

FOR OINTMENT CONTAINING A MODIFIED FORM OF SULFATHIAZOLE, TO BE USED IN THE TREATMENT OF BURNS AND OTHER SUPERFICIAL INJURIES.
Claims use since Aug. 1, 1942.

Ser. No. 454,857. RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed Aug. 11, 1942.

OROTAN

FOR CHEMICAL COMPOUNDS USED IN THE DYEING AND BLEACHING OF LEATHER AND IN THE TANNING OF HIDES; ALSO AS A DISPERSING AGENT FOR PIGMENTS AND FOR PRECIPITATING GLUE IN PAPER MANUFACTURE; AND ALSO USED IN THE TEXTILE AND PRINTING INDUSTRIES FOR THE PRECIPITATION OF COLOR LAKES WITH BASIC DYES.
Claims use since July 22, 1942.

Ser. No. 454,884. THE CHEMDRUG CORPORATION, New York, N. Y. Filed Aug. 13, 1942.

OPTYRE

FOR LIQUID PREPARATION FOR THE TREATMENT OF DISEASES AND AFFECTIONS OF THE EYES.
Claims use since Aug. 6, 1942.

Ser. No. 454,888. FIRMENICH & CO., New York, N. Y. Filed Aug. 13, 1942.

INSINUATION

FOR SACHETS, BATH SALTS, LIPSTICKS, PERFUMES, TOILET WATERS, FACE POWDERS.
Claims use since Nov. 5, 1941.

Ser. No. 454,916. PENNSYLVANIA INDUSTRIAL CHEMICAL CORPORATION, Clairton, Pa. Filed Aug. 14, 1942.

PICTAR

FOR LIQUID CYCLIC HYDROCARBON PLASTICIZERS FOR RUBBER AND SYNTHETIC RUBBERS.
Claims use since May 15, 1942.

Ser. No. 455,185. NION CORPORATION, Los Angeles, Calif. Filed Aug. 29, 1942.

AVICAPS

FOR VITAMIN PRODUCT CONTAINING 25,000 UNITS OF VITAMIN A ENCAPSULATED IN GELATIN.
Claims use since Jan. 23, 1942.

CLASS 7

CORDAGE

Ser. No. 454,903. W. A. BALLINGER & CO., San Francisco, Calif. Filed Aug. 14, 1942.

Caltwine SUPER

FOR COTTON TWINE.
Claims use since Mar. 1, 1923.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 450,089. COOPER-WILFORD BERYLLIUM, LTD., Philadelphia, Pa. Filed Jan. 9, 1942.

BERALLOY

FOR CASTINGS, FORGINGS, SHEETS, AND BARS OF BERYLLIUM ALUMINUM ALLOYS.
Claims use since Feb. 7, 1941.

Ser. No. 453,598. GRAPHITIZED ALLOYS CORPORATION, New York, N. Y. Filed June 11, 1942.

GRAC

FOR METALLIC ALLOYS INCORPORATING GRAPHITE FOR BEARINGS AND THE LIKE.
Claims use since May 20, 1940.

CLASS 15

OILS AND GREASES

Ser. No. 454,899. THE TEXAS COMPANY, New York, N. Y. Filed Aug. 13, 1942.

ALNAG

FOR CUTTING OILS.
Claims use since June 25, 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 454,415. CLOVER LEAF PAINT & VARNISH CORPORATION, New York and Long Island City, N. Y. Filed July 22, 1942.

Clover Leaf



FOR VARNISHES, JAPANS, READY-MIXED PAINTS, PAINT ENAMELS, BRONZING LIQUIDS, STAINS, LIQUID AND PASTE DRYERS FOR PAINT AND VARNISH, LIQUID AND PASTE FILLERS FOR WOOD, COLORS IN OIL, LACQUERS, PREPARED SHELLAC, SHELLAC SUBSTITUTES.
Claims use since Feb. 7, 1891.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 448,474. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Nov. 8, 1941.

REACTROL

FOR ELECTRIC HEATING CONTROL APPARATUS, SPECIFICALLY, REACTORS AND CONTROL MEANS THEREFOR.
Claims use since Feb. 2, 1940.

Ser. No. 450,996. AMERICAN OIL COMPANY, Baltimore, Md. Filed Feb. 16, 1942.



No claim is made to the word "American" apart from the mark. The drawing is lined for red and black.
FOR NEON SIGNS.
Claims use since July 10, 1934.

Ser. No. 453,711. CORNING GLASS WORKS, Corning, N. Y. Filed June 17, 1942.



FOR MISCELLANEOUS ELECTRIC INSULATOR BODIES IN VARIOUS FORMS TO SUIT SPECIALIZED REQUIREMENTS; ELECTRIC LAMP BULBS AND SEALING GLASS FOR GLASS-TO-METAL SEALS FOR ELECTRICAL PURPOSES.
Claims use since Mar. 29, 1940.

Ser. No. 453,714. CORNING GLASS WORKS, Corning, N. Y. Filed June 17, 1942.

VYCOR

FOR MISCELLANEOUS ELECTRIC INSULATOR BODIES IN VARIOUS FORMS TO SUIT SPECIALIZED REQUIREMENTS; ELECTRIC LAMP BULBS AND SEALING GLASS FOR GLASS-TO-METAL SEALS FOR ELECTRICAL PURPOSES.
Claims use since May 14, 1940.

Ser. No. 453,995. THE VALHALLA COMPANY, INC., Chicago, Ill. Filed July 1, 1942.

VALHALLA

FOR ELECTROLYTIC CELLS AND ELECTROLYTE TANKS.
Claims use since June 9, 1942.

Ser. No. 454,421. KENNECOTT WIRE AND CABLE COMPANY, Phillipsdale, R. I. Filed July 22, 1942.

KENVAR

FOR INSULATED WIRE FOR ELECTRICAL USES.
Claims use since June 23, 1942.

Ser. No. 454,923. COOK ELECTRIC COMPANY, Chicago, Ill. Filed Aug. 15, 1942.

TERRA-TERM

FOR ELECTRICAL AND TELEPHONE APPARATUS —NAMELY, CABLE TERMINAL UNITS, SUB-STATION PROTECTORS, LIGHTNING ARRESTERS, LINE FUSES AND CABLE HOUSES.
Claims use since Aug. 3, 1942.

Ser. No. 455,012. WILLYS-OVERLAND MOTORS, INC., Toledo, Ohio. Filed Aug. 20, 1942.

JEEP

FOR ELECTRIC AUTO BURGLAR ALARMS.
Claims use since July 6, 1942.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 453,314. THE PENMAN, Chicago, Ill. Filed May 27, 1942.



Applicant disclaims the word "Checkers" apart from the mark.
FOR GAMES OF SKILL AND AMUSEMENT PLAYED WITH MOVABLE PIECES, AND FOR GAME-PLAYING BOARDS AND FOR MOVABLE PIECES USABLE IN CONNECTION WITH GAME BOARDS HAVING COLOR AREAS THEREON.
Claims use since Apr. 10, 1942.

Ser. No. 454,873. DAVID P. GREGORY, Richmond, Va. Filed Aug. 12, 1942.

FOBAGA



FOR GAME BOARDS WITH MOVABLE PIECES.
Claims use since July 7, 1942.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 446,211. MOLLART ENGINEERING COMPANY LIMITED, Surbiton, England. Filed Aug. 13, 1941.



FOR METAL AND WOODWORKING JIGS AND FIXTURES, UNIVERSAL JOINTS, HYDRAULIC PUMPS, BORING MACHINES, LATHES, COMPONENT PARTS OF AIRCRAFT ENGINES EXCLUSIVE OF ELECTRICAL PARTS AND PACKING.
Claims use since Jan. 1, 1931.

Ser. No. 452,072. HYDROPRESS, INCORPORATED, New York, N. Y. Filed Apr. 1, 1942.

HYDROPRESS

FOR HIGH PRESSURE PRESSES, HYDRAULIC ACCUMULATORS, AND ROLLING MILLS.
Claims use since Dec. 30, 1940.

Ser. No. 453,687. WATER RECLAIMER CORPORATION, Mobile, Ala. Filed June 15, 1942.

"WARECO."

FOR WATER RECLAIMERS—NAMELY, APPARATUS INCLUDING PARTS THEREOF FOR RECLAIMING PURE WATER FROM LIQUIDS.
Claims use since Sept. 29, 1941.

Ser. No. 454,629. BURRELL CUTLERY COMPANY, INC., Ellicottville, N. Y. Filed July 31, 1942.



FOR STRAIGHT EDGE RAZORS.
Claims use since May 6, 1941.

Ser. No. 454,653. FALCON TOOL CO., Detroit, Mich. Filed Aug. 1, 1942.



FOR METAL WORKING TOOLS—NAMELY, METAL CUTTING TOOLS, TOOLHOLDERS, AND CHUCKS.
Claims use since July 1, 1942.

Ser. No. 454,692. NATIONAL DIE CASTING COMPANY, Chicago, Ill. Filed Aug. 3, 1942.



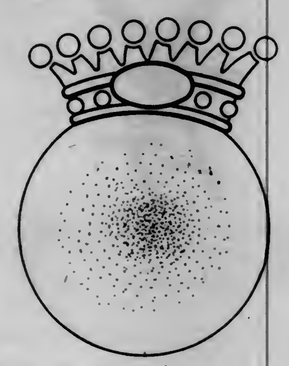
FOR FRUIT JUICE EXTRACTORS FOR EXTRACTING JUICES FROM FRUITS SUCH AS ORANGES, LEMONS, GRAPEFRUIT, AND THE LIKE.
Claims use since Oct. 5, 1939.

Ser. No. 454,693. NATIONAL DIE CASTING COMPANY, Chicago, Ill. Filed Aug. 3, 1942.



FOR FRUIT JUICE EXTRACTORS FOR EXTRACTING JUICES FROM FRUITS SUCH AS ORANGES, LEMONS, GRAPEFRUIT, AND THE LIKE.
Claims use since Oct. 5, 1939.

Ser. No. 454,694. NATIONAL DIE CASTING COMPANY, Chicago, Ill. Filed Aug. 3, 1942.



FOR FRUIT JUICE EXTRACTORS FOR EXTRACTING JUICES FROM FRUITS SUCH AS ORANGES, LEMONS, GRAPEFRUIT, AND THE LIKE.
Claims use since Nov. 3, 1939.

Ser. No. 454,695. THE OIL COUNTRY SPECIALTIES MFG. CO., Coffeyville, Kans., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a corporation of West Virginia. Filed Aug. 3, 1942.

OCS

FOR DRILLING AND PUMPING EQUIPMENT FOR OIL WELLS.
Claims use since January, 1926.

Ser. No. 454,697. THE OIL COUNTRY SPECIALTIES MFG. CO., Coffeyville, Kans., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a corporation of West Virginia. Filed Aug. 3, 1942.

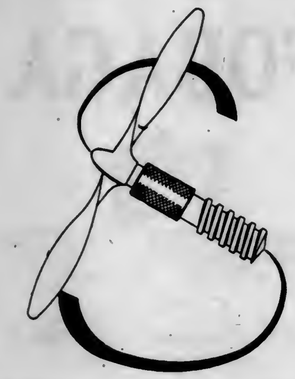
THE OIL COUNTRY SPECIALTIES MFG. CO.

FOR DRILLING AND PUMPING EQUIPMENT FOR OIL WELLS.
Claims use since 1920.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 450,294. SUPERFINISH GAUGE CORPORATION, New York, N. Y. Filed Jan. 17, 1942.



The representation of the goods is disclaimed apart from the mark.
FOR DEVICE, COMMONLY CALLED THREAD GAGE, FOR MEASURING THREADINGS ON METAL, INCLUDING BOTH A THREAD AND DISTANCE BETWEEN THREADS; A DEVICE, COMMONLY CALLED A FLAT GAGE, FOR MEASURING WITH A GREAT DEGREE OF EXACTNESS LENGTH, WIDTH, AND THICKNESS OF METAL PARTS.
Claims use since Nov. 26, 1941.

Ser. No. 452,808. MOVIETONEWS, INC., New York, N. Y. Filed May 5, 1942.

NOTICIAVION
FOX
MOVIETONE

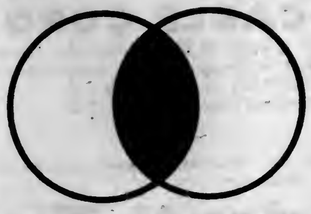
FOR SILENT, SOUND, DIALOGUE, AND TALKING MOTION PICTURE FILMS.
Claims use since Nov. 15, 1941.

Ser. No. 453,348. VICTORAY CORPORATION, Battle Creek, Mich. Filed May 28, 1942.

VICTORAY

FOR BLUE PRINT MACHINES.
Claims use since May 6, 1942.

Ser. No. 454,518. POLAROID CORPORATION, Cambridge, Mass. Filed July 25, 1942.



FOR VIEWING DEVICES—NAMELY, FILTERS, LENSES, STEREOSCOPIC VIEWERS, EYEGLASSES, AND GOGGLES.
Claims use on filters and lenses since October, 1936; on stereoscopic viewers since December 1936; on eyeglasses since January, 1937; and on goggles since December, 1937.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 451,751. BEVERLY OSBORNE, Oklahoma City, Okla. Filed Mar. 19, 1942.

CHICKEN IN THE ROUGH

FOR CERAMIC DISHES, COMPRISING PLATES, PLATTERS, BOWLS, CUPS, AND SAUCERS.
Claims use since September, 1936.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 452,887. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 8, 1942.

Firestone

FOR HAND AND POCKET MIRRORS NOT MADE OF PRECIOUS METAL.
Claims use since Dec. 20, 1922.

Ser. No. 455,168. AMBERG FILE AND INDEX COMPANY, Kankakee, Ill. Filed Aug. 29, 1942.

Volunteer

FOR DESKS AND FILING CABINETS.
Claims use since June 8, 1942.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 451,753. BEVERLY OSBORNE, Oklahoma City, Okla. Filed Mar. 19, 1942.

CHICKEN IN THE ROUGH

FOR GAS GRIDDLES, ELECTRIC AND GAS COOKING STOVES.
Claims use since September, 1936.

Ser. No. 454,488. AGRICOLA FURNACE COMPANY, INC., Gadsden, Ala. Filed July 25, 1942.

MORNING GLORY

FOR COAL BURNING STOVES.
Claims use since July 16, 1942.

CLASS 37

PAPER AND STATIONERY

Ser. No. 451,754. BEVERLY OSBORNE, Oklahoma City, Okla. Filed Mar. 19, 1942.

CHICKEN IN THE ROUGH

FOR PAPER NAPKINS AND DOILIES.
Claims use since September, 1936.

Ser. No. 453,839. THE JOHN HENRY COMPANY, Lansing, Mich. Filed June 24, 1942.

JHCo

FOR BANK ENCLOSURE CARDS, BLANK ENVELOPES, BLANK TAGS, AND BLANK LABELS.
Claims use since Jan. 31, 1941.

Ser. No. 454,605. FRANK W. KILBURN, doing business as Premier Manufacturing Co., Boston, Mass. Filed July 30, 1942.

PREMIER

FOR MOUNTING HINGES FOR SNAPSHOTS, CLIPPINGS, AND MISCELLANEOUS STATIONERY.
Claims use since Mar. 17, 1936.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 453,886. ATLANTIS, New York, N. Y. Filed June 26, 1942.

ΑΤΛΑΝΤΙΣ
"ATLANTIS"

FOR NEWSPAPER.
Claims use since Mar. 1, 1894.

Ser. No. 454,642. THE PLUS PUBLISHING CORPORATION, Cleveland, Ohio. Filed July 31, 1942.

The Magazine
PLUS

Applicant disclaims the words "The Magazine" apart from the mark.
FOR MONTHLY MAGAZINE.
Claims use since July 6, 1942.

Ser. No. 454,667. THE OCEAN PRESS, New York, N. Y. Filed Aug. 1, 1942.

The Ocean Press

No claim is made for the word "Press" apart from the mark.
FOR NEWSPAPER PUBLISHED FOR DAILY CIRCULATION THROUGH CERTAIN PERIODS OF THE YEAR.
Claims use since Jan. 1, 1932.

Ser. No. 454,730. GEYELIN, MORSE & FERT, Philadelphia, Pa. Filed Aug. 5, 1942.

YOUR AFFAIRS
A CONFIDENTIAL MONTHLY BULLETIN

The words "A Confidential Monthly Bulletin" are disclaimed apart from the mark.
FOR PERIODICAL PUBLICATION.
Claims use since May 1, 1942.

CLASS 39

CLOTHING

Ser. No. 440,384. ROYAL MANUFACTURING COMPANY, Allentown, Pa. Filed Feb. 6, 1941.

Duroway

FOR MEN'S AND BOYS' UNDERWEAR AND OUTER SHIRTS.
Claims use since 1933.

Ser. No. 443,395. MARIE A. BYRD, doing business as M. Donaldson, Boston, Mass. Filed May 9, 1941.

KNITTING KILT

The word "Knitting" is disclaimed apart from the mark.
FOR APRONS.
Claims use since Apr. 24, 1941.

Ser. No. 445,780. REAL SILK HOSIERY MILLS, INC., Indianapolis, Ind. Filed July 30, 1941.

TOURBANDO

FOR SCARFS.
Claims use since Apr. 15, 1941.

Ser. No. 448,673. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Nov. 15, 1941.

Interwoven
CABLE CORD

Applicant is owner of Reg. No. 49,830 (renewed). No claim is made to the word "Cord" apart from the mark.
FOR HOSIERY.
Claims use since Jan. 6, 1941.

Ser. No. 450,286. STANLEY M. RUBEL, Chicago, Ill. Filed Jan. 17, 1942.

Identi-Ty

Applicant disclaims the use of "Ty" except as shown.
FOR NECKTIES.
Claims use since Jan. 8, 1942.

Ser. No. 452,628. WILSON BROTHERS, Chicago, Ill. Filed Apr. 27, 1942.

ZEBS

FOR MEN'S OUTER SHIRTS.
Claims use since Mar. 25, 1942.

Ser. No. 452,822. DES MOINES GLOVE & MFG. CO., INC., Des Moines, Iowa. Filed May 6, 1942.

Tufhorse

FOR GLOVES AND MITTENS MADE WHOLLY OR PARTIALLY OF LEATHER.
Claims use since March, 1918.

Ser. No. 453,491. E. & C. FUR CO., INC., New York, N. Y. Filed June 5, 1942.

KING OF CONEYS

The word "Coneys" is disclaimed apart from the mark.
FOR FUR COATS, FUR MUFFS, AND FUR JACKETS MADE FROM RABBIT SKINS.
Claims use since Apr. 17, 1942.

Ser. No. 453,625. MEN'S HATS, INC., Baltimore, Md. Filed June 12, 1942.

A GENUINE
Panamesh
SOUTH AMERICAN PANAMA

Applicant disclaims the expression "A Genuine South American Panama."
FOR MEN'S PANAMA HATS.
Claims use since Aug. 1, 1939.

Ser. No. 453,626. MEN'S HATS, INC., Baltimore, Md. Filed June 12, 1942.

A GENUINE
Panapore
SOUTH AMERICAN PANAMA

Applicant disclaims the expression "A Genuine South American Panama."
FOR MEN'S PANAMA HATS.
Claims use since Aug. 1, 1939.

Ser. No. 454,522. REVERE KNITTING MILLS, INC., Malden, Mass. Filed July 25, 1942.

LAMBRAE
Revere

FOR MEN'S AND BOYS' SWEATERS.
Claims use since Mar. 17, 1942.

Ser. No. 454,633. GLENWEAR, INC., New York, N. Y. Filed July 31, 1942.

Glenwear

FOR LADIES' AND MISSES' BLOUSES, OUTER SKIRTS, SLACKS, PLAYSUITS, JACKETS AND DRESSES.
Claims use since Nov. 4, 1940.

Ser. No. 454,805. THE INTERNATIONAL HANDKERCHIEF MFG. CO., New York, N. Y. Filed Aug. 8, 1942.



Applicant disclaims the word "Handkerchiefs" apart from the mark. The drawing is lined for red and blue. The representation of the men is fanciful.
FOR HANDKERCHIEFS.
Claims use since July 9, 1942.

Ser. No. 454,918. PIEDMONT SHIRT COMPANY, Greenville, S. C. Filed Aug. 14, 1942.

INTERCEPTOR

FOR MEN'S WATER REPELLENT JACKETS.
Claims use since June 7, 1942.

Ser. No. 454,974. VANITY FAIR SILK MILLS, Reading, Pa. Filed Aug. 18, 1942.

JYVETTE

FOR MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR; MEN'S, WOMEN'S, AND CHILDREN'S SLEEPING GARMENTS—NAMELY, NIGHT GOWNS, PAJAMAS, BED JACKETS, AND ROBES; AND HOSIERY.
Claims use since Aug. 3, 1942.

Ser. No. 454,989. THE NOLDE AND HORST COMPANY, Reading, Pa. Filed Aug. 19, 1942.

Nolde
TREKKERS

The word "Nolde" is disclaimed apart from the mark.
FOR HOSIERY.
Claims use since July 31, 1942.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 452,535. IRVING J. HOFFENBERG, Providence, R. I. Filed Apr. 23, 1942.

MANLEIGH

FOR WRIST WATCH STRAPS AND NECKTIE CLASPS MADE OF OR COMPRISED OF MATERIAL OTHER THAN PRECIOUS METAL.
Claims use since Jan. 1, 1942.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 453,353. AMOSKEAG-LAWRENCE MILLS, INC., Manchester, N. H. Filed May 29, 1942.



FOR PIECE GOODS MADE OF COTTON, RAYON, PROTEIN FIBERS, AND MIXTURES THEREOF.
Claims use since Feb. 20, 1942.

Ser. No. 453,988. LUTFY BROTHERS, New York, N. Y. Filed July 1, 1942.

Cotray

FOR TABLECLOTHS, NAPKINS, TOWELS, LUNCHEON SETS, WASH CLOTHS AND BATH MATS.
Claims use since April, 1942.

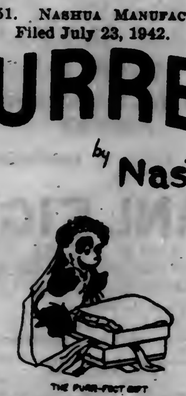
Ser. No. 454,311. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., and New York, N. Y. Filed July 18, 1942.



FOR FABRICS OF COTTON, RAYON, WOOL, AND SILK, AS WELL AS COMBINATIONS THEREOF.
Claims use since Mar. 10, 1942.

Ser. No. 454,451. NASHUA MANUFACTURING COMPANY, Boston, Mass. Filed July 23, 1942.

PURREY by Nashua



No claim is made to the words "The Purr-Fect Gift" except as shown. Applicant is owner of Reg. No. 87,647 (renewed) covering the word "Nashua" and effected under the 10-year proviso.
FOR BLANKETS MADE OF COTTON, WOOL, OR SYNTHETIC FIBRE, AND ANY COMBINATION THEREOF.
Claims use since June 2, 1941.

Ser. No. 454,452. NASHUA MANUFACTURING COMPANY, Boston, Mass. Filed July 23, 1942.

PURREY by Nashua



No claim is made to the word "Warmer" except as shown. Applicant is owner of Reg. No. 87,647 (renewed) covering the word "Nashua" and effected under the 10-year proviso.
FOR BLANKETS MADE OF COTTON, WOOL, OR SYNTHETIC FIBRE, AND ANY COMBINATION THEREOF.
Claims use since June 2, 1941.

Ser. No. 454,454. NASHUA MANUFACTURING COMPANY Boston, Mass. Filed July 23, 1942.

PURREY by Nashua



Applicant is owner of Reg. No. 87,647 (renewed) covering the word "Nashua" and effected under the 10-year proviso.
FOR BLANKETS MADE OF COTTON, WOOL, OR SYNTHETIC FIBRE, AND ANY COMBINATION THEREOF.
Claims use since June 2, 1941.

Ser. No. 454,455. NASHUA MANUFACTURING COMPANY, Boston, Mass. Filed July 23, 1942.

PURREY by Nashua



No claim is made to the word "Warmer" except as shown. Applicant is owner of Reg. No. 87,647 (renewed) covering the word "Nashua" and effected under the 10-year proviso.
FOR BLANKETS MADE OF COTTON, WOOL, OR SYNTHETIC FIBRE, AND ANY COMBINATION THEREOF.
Claims use since June 2, 1941.

Ser. No. 454,456. NASHUA MANUFACTURING COMPANY, Boston, Mass. Filed July 23, 1942.

PURREY by Nashua



No claim is made to the words "Purr-Fect Prescription" except as shown. Applicant is owner of Reg. No. 87,647 for the word "Nashua" effected under the 10-year proviso and duly renewed.
FOR BLANKETS MADE OF COTTON, WOOL, OR SYNTHETIC FIBRE, AND ANY COMBINATION THEREOF.
Claims use since June 2, 1941.

Ser. No. 454,458. NASHUA MANUFACTURING COMPANY, Boston, Mass. Filed July 23, 1942.

PURREY by Nashua



No claim is made to the word "Bed" except as shown. Applicant is owner of Reg. No. 87,647 (renewed) covering the word "Nashua" and effected under the 10-year proviso.
FOR BLANKETS MADE OF COTTON, WOOL, OR SYNTHETIC FIBRE, AND ANY COMBINATION THEREOF.
Claims use since June 2, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 455,260. KARL FOLKE EWESON, doing business as Ballco Products Co., New York, N. Y. Filed Sept. 2, 1942.

VACUTEX

FOR INSTRUMENTS FOR REMOVING COMEDOS OR BLACKHEADS FROM THE SKIN.
Claims use since May 15, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 453,215. PLEE-ZING, INC., Chicago, Ill. Filed May 23, 1942.

PLEE-ZING

FOR ORANGE DRINK, FRUIT NECTARS, CARBONATED, MALTLESS, NON-CEREAL BEVERAGES, AND POWDERS AND SYRUPS USED FOR MAKING SOFT DRINK BEVERAGES.
Claims use on orange drinks since December, 1938; on fruit nectars since January, 1941; and on carbonated maltless, noncereal beverages, powders, and syrups since September, 1938.

CLASS 46

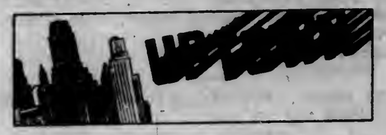
FOODS AND INGREDIENTS OF FOODS

Ser. No. 451,755. BEVERLY OSBORNE, doing business as Chicken in the Rough, Oklahoma City, Okla. Filed Mar. 19, 1942. Under the act of February 20, 1905, as amended June 10, 1938.

CHICKEN IN THE ROUGH

The word "Chicken" is disclaimed apart from the mark. Applicant is owner of Reg. No. 363,303.
FOR PACKAGED LUNCHES, COMPRISING CHICKEN, POTATOES, ROLLS, AND THE LIKE.
Claims use since September, 1936.

Ser. No. 453,776. GIUMARRA BROS., doing business as Giumarra Bros. Fruit Company, Los Angeles, Calif. Filed June 20, 1942.



No claim is made to the representation of the label apart from the mark.
FOR FRESH DECIDUOUS FRUITS AND VEGETABLES.
Claims use since Apr. 25, 1942.

Ser. No. 453,955. BUNDLES FOR BUDDIES, INC., New York, N. Y. Filed June 30, 1942.

BUNDLES FOR BUDDIES

The word "Bundles" is disclaimed apart from the mark.
FOR GIFT PACKAGES CONTAINING VARIOUS ITEMS, SPECIFICALLY COOKIES, CANDY, NUTS, GUM, JAMS, JELLIES, CANNED AND BOTTLED FISH, CANNED AND BOTTLED MEATS—NAMELY, SPICED HAM, SAUSAGES, AND MEAT PASTES, DRIED FRUITS, CRACKERS, SARDINES, CAKES, FRUIT PRESERVES, CHEESE, AND FRUIT JUICES.
Claims use since Apr. 10, 1942.

Ser. No. 454,295. RUSSELL PRODUCTS CO., Oklahoma City, Okla. Filed July 17, 1942.

BURGER-SPRED

No claim is made to the word "Spred" apart from the mark.

FOR DRESSING FOR HAMBURGERS, MEATS, AND SANDWICHES.

Claims use since Apr. 2, 1941.

Ser. No. 454,417. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed July 22, 1942.

ARGO

Applicant is the owner of trade-mark registrations Nos. 69,624, 69,784, 102,064, and 178,016.

FOR EDIBLE OIL.

Claims use since Mar. 11, 1908.

Ser. No. 454,560. MONTEREY CANNING CO., Monterey, Calif. Filed July 28, 1942.

DOLORES

FOR CANNED FISH.

Claims use since Apr. 10, 1918.

Ser. No. 454,890. HEWLETT BROS. CO., Salt Lake City, Utah. Filed Aug. 13, 1942. Under 10-year proviso.

HEWLETT'S

FOR FRUIT AND BERRY PRESERVES, FRUIT AND BERRY JELLIES, TABLE SYRUPS, SPICES, TEA, COMB AND STRAINED HONEY, PRESERVED CRUSHED FRUITS, MINCE MEAT, AND PREPARED MUSTARD.

Claims use since June 1, 1887.

Ser. No. 454,950. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Aug. 17, 1942.

VITAFERS

FOR HEALTH BISCUIT.

Claims use since July 21, 1942.

Ser. No. 455,068. DAMEREL-ALLISON CO., doing business as Damerel-Allison Association, Covina, Calif. Filed Aug. 24, 1942.

D-A

FOR FRESH CITRUS FRUIT.

Claims use since Apr. 22, 1942.

Ser. No. 455,086. SAFEWAY STORES, INC. OF NEVADA, also doing business as Table Products Co., Reno, Nev., and Oakland, Calif. Filed Aug. 24, 1942.

DOUBLE DARE

FOR CANDY BARS.

Claims use since Apr. 29, 1937.

Ser. No. 455,245. J. HOWARD SMITH, Port Monmouth, N. J. Filed Sept. 1, 1942.

Lyfene

FOR FISH MEAL USED AS AN INGREDIENT IN FEED FOR POULTRY AND OTHER DOMESTIC ANIMALS.

Claims use since May 18, 1942.

Ser. No. 455,293. COMMANDO FOODS, INC., Webster, N. Y. Filed Sept. 3, 1942.

BAYONET

FOR CANNED APPLE SAUCE.

Claims use since June 22, 1942.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 454,141. LLOYD MANUFACTURING CO., INC., Apponaug, R. I. Filed July 10, 1942.

TEXICON

FOR CARD CLOTHING FOUNDATION.

Claims use since Apr. 7, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 13, 1942

398,110. CUTLERY, PARTICULARLY BUTCHER AND HOUSEHOLD KNIVES AND CARVING SETS OF BASE METAL, AND PARTS THEREOF. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed May 18, 1940. Serial No. 432,102. PUBLISHED JULY 28, 1942. Class 23.

398,111. WINES AND APERITIF WINES. SANCHEZ ROMATE HERMANOS, S. A., Jerez de la Frontera, Spain.
Filed August 24, 1940. Serial No. 435,412. PUBLISHED AUGUST 4, 1942. Class 47.

398,112. CHOCOLATE FLAVORED SODA. M. R. BLACKMAN & CO., INC., Philadelphia, Pa.
Filed October 1, 1940. Serial No. 436,537. PUBLISHED JULY 21, 1942. Class 45.

398,113. CARBONATED WATER. MISSION DRY CORPORATION, Los Angeles, Calif.
Filed November 12, 1940. Serial No. 437,779. PUBLISHED FEBRUARY 11, 1941. Class 45.

398,114. PACKAGED COFFEE. GEORGE N. CALTIS, doing business as Mecca Coffee & Tea Co., New York, N. Y.
Filed November 12, 1940. Serial No. 437,796. PUBLISHED FEBRUARY 25, 1941. Class 46.

398,115. PACKAGED OATMEAL. NATIONAL OATS COMPANY, Cedar Rapids, Iowa.
Filed November 25, 1940. Serial No. 438,255. PUBLISHED FEBRUARY 25, 1941. Class 46.

398,116. FLUID PUMPS AND PARTICULARLY REFRIGERANT COMPRESSORS. BORG-WARNER CORPORATION, Chicago, Ill.
Filed April 10, 1941. Serial No. 442,441. PUBLISHED JULY 14, 1942. Class 23.

398,117. THIAMIN HYDROCHLORIDE. LOESER LABORATORY, INC., New York, N. Y., now, by change of name, McKesson Laboratory, Inc.; assignor to Loeser Laboratory, Inc., New York, N. Y., a corporation of New York.
Filed April 12, 1941. Serial No. 442,532. PUBLISHED AUGUST 4, 1942. Class 6.

398,118. DEVICES FOR HANDLING ROCK AND SIMILAR MATERIALS COMPRISING ELEVATING CONVEYORS, ROTARY WHEEL LIFTS, AND PARTS THEREOF. UNIVERSAL CRUSHER COMPANY, Cedar Rapids, Iowa.
Filed May 9, 1941. Serial No. 443,442. PUBLISHED JANUARY 27, 1942. Class 23.

398,119. BEER. PIEL BROS. INC., East New York, N. Y.
Filed May 20, 1941. Serial No. 443,731. PUBLISHED AUGUST 4, 1942. Class 48.

398,120. DRAWING INSTRUMENTS AND DRAFTSMEN'S SUPPLIES—NAMELY, DRAWING AND RULING PENS, ETC. EUGENE DIETZGEN CO., Chicago, Ill.
Filed May 26, 1941. Serial No. 443,926. PUBLISHED AUGUST 4, 1942. Class 26.

398,121. NONALCOHOLIC, MALTLESS BEVERAGES AND PRODUCTS FOR USE IN MAKING THE SAME. SAMUEL E. WEBB, doing business as Beverages of America Bottling Company, Philadelphia, Pa.
Filed June 9, 1941. Serial No. 444,362. PUBLISHED JULY 14, 1942. Class 45.

398,122. PERFUMERY AND COLOGNE. BABS CREATIONS, INCORPORATED, New York, N. Y.
Filed June 26, 1941. Serial No. 444,852. PUBLISHED AUGUST 4, 1942. Class 6.

398,123. FOOD PRODUCTS—NAMELY, BONELESS AND SKINLESS FISH TIDBITS IN GLASS JARS, CANS, CELLOPHANE WRAPPED, AND WOOD CONTAINERS. ALLISON-BEDFORD COMPANY, Chicago, Ill.
Filed June 27, 1941. Serial No. 444,888. PUBLISHED AUGUST 4, 1942. Class 46.

398,124. ELECTRICAL CONDUCTOR WIRES AND CABLES. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed June 27, 1941. Serial No. 444,920. PUBLISHED AUGUST 19, 1941. Class 21.

398,125. PREPARATION CONTAINING VITAMIN B COMPLEX, INTENDED AS A PROPHYLACTIC AGENT OR THERAPEUTIC REMEDY TO BE USED FOR THE PREVENTION OF, OR TREATMENT FOR, VITAMIN DEFICIENCIES OF THE B COMPLEX GROUP. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed July 1, 1941. Serial No. 444,993. PUBLISHED AUGUST 4, 1942. Class 6.

398,126. PLANTS, TREES, SHRUBS, VINES, EVERGREENS, VEGETABLE AND FLOWER SEEDS, BULBS, CUT FLOWERS, CUT STEMS, AND CUT BRANCHES. JOSEPH A. RICHARDS, doing business as Sunset Gardens, Eugene, Oreg.
Filed July 18, 1941. Serial No. 445,473. PUBLISHED DECEMBER 23, 1941. Class 1.

398,127. LIQUEURS. ARROW DISTILLERIES, INC., Detroit, Mich.
Filed September 2, 1941. Serial No. 446,722. PUBLISHED AUGUST 4, 1942. Class 49.

398,128. WHISKEY. MCKESSON & ROBBINS, INC., New York, N. Y.
Filed September 2, 1941. Serial No. 446,741. PUBLISHED AUGUST 4, 1942. Class 49.

398,129. MACHINES AND APPARATUS FOR APPLYING INSECTICIDES, EITHER POWDER OR LIQUID, OR BOTH, TO VEGETATION. THE ROOT MANUFACTURING COMPANY, Cleveland, Ohio.
Filed September 5, 1941. Serial No. 446,813. PUBLISHED JULY 21, 1942. Class 23.

398,130. PAPER STICKERS IN THE NATURE OF CUT-OUT PARTS REPRESENTING FLOWERS, ANIMALS, GEOMETRICAL FIGURES, ETC., USED FOR DECORATION FOR EASTER EGGS. FRED FEAR & Co., Brooklyn, N. Y.
Filed September 30, 1941. Serial No. 447,437. PUBLISHED AUGUST 4, 1942. Class 37.

398,131. ABRASIVE TOOLS—NAMELY, LAPPING WHEELS OF ABRASIVE MATERIAL, HAND LAPS OF ABRASIVE MATERIAL, ETC. IMPREGNATED DIAMOND PRODUCTS LIMITED, Bath, England.
Filed October 6, 1941. Serial No. 447,567. PUBLISHED AUGUST 4, 1942. Class 4.

398,132. FLOWER BULBS. PUGET SOUND BULB EXCHANGE, INC., Sumner, Wash.
Filed October 11, 1941. Serial No. 447,711. PUBLISHED JANUARY 6, 1942. Class 1.

398,133. ANTI-FRICTION BEARINGS CHARACTERIZED AS PIVOT-TYPE BEARINGS IN WHICH NON-CORROSIVE WEAR-RESISTANT ALLOYS OF THE PLATINUM GROUP METALS ARE USED. PERMO PRODUCTS CORPORATION, Chicago, Ill.
Filed October 30, 1941. Serial No. 448,265. PUBLISHED JULY 28, 1942. Class 23.

398,134. MACHINES FOR CLEANING MECHANICAL PARTS. SOL BUSLICK, doing business as Practical Products Company, St. Paul, Minn.
Filed November 12, 1941. Serial No. 448,545. PUBLISHED JULY 28, 1942. Class 23.

398,135. CANNED CITRUS FRUIT JUICE CONCENTRATE. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif.
Filed December 8, 1941. Serial No. 449,288. PUBLISHED JULY 7, 1942. Class 45.

398,136. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. B-I BEVERAGE COMPANY, St. Louis, Mo.
Filed January 19, 1942. Serial No. 450,299. PUBLISHED JULY 7, 1942. Class 45.

398,137. PHARMACEUTICAL PREPARATION FOR THE PROMOTION OF URINARY ANTISEPSIS AND SEDATION IN THE TREATMENT OF GENITO-URINARY INFECTION. CHICAGO PHARMACAL COMPANY, Chicago, Ill.
Filed February 6, 1942. Serial No. 450,790. PUBLISHED JULY 28, 1942. Class 6.

398,138. CANNED PEAS. PSAKI BROTHERS, Philadelphia, Pa.
Filed February 28, 1942. Serial No. 451,321. PUBLISHED AUGUST 4, 1942. Class 46.

398,139. NONALCOHOLIC BEVERAGES, CONCENTRATED SYRUPS AND FLAVORS. TASTEE BEVERAGE CO., Los Angeles, Calif.
Filed March 4, 1942. Serial No. 451,396. PUBLISHED JULY 21, 1942. Class 45.

398,140. MEDICINAL PREPARATION IN POWDER FORM, ADMINISTERED ORALLY AND USED IN THE TREATMENT OF HEART AILMENTS. VINCENT CHRISTINA & CO., INC., New York, N. Y.
Filed March 10, 1942. Serial No. 451,525. PUBLISHED JULY 28, 1942. Class 6.

398,141. LIQUID MEDICINAL PREPARATION ADMINISTERED PARENTERALLY AND USED IN THE TREATMENT OF VARIOUS SKIN DISEASES. VINCENT CHRISTINA & CO., INC., New York, N. Y.
Filed March 10, 1942. Serial No. 451,529. PUBLISHED JULY 28, 1942. Class 6.

398,142. LIPSTICKS. LUCIEN LELONG INC., Chicago, Ill.
Filed March 16, 1942. Serial No. 451,644. PUBLISHED AUGUST 4, 1942. Class 6.

398,143. INDIA INK, INK FOR NUMBERING DEVICES AND STAGING INK FOR PHOTOENGRAVING. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed March 21, 1942. Serial No. 451,805. PUBLISHED AUGUST 4, 1942. Class 11.

398,144. LACQUERS, OIL COLORS (INCLUDING OPAQUE AND TRANSPARENT PIGMENTS), TRANSPARENT MEDIUM, CLEANING FLUID, SIZING FLUID, AND STUMP COTTON FOR USE IN COLORING PHOTOGRAPHS, READY-MIXED PAINT, WATER COLORS, AND APPLICATOR STICKS FOR OIL COLORS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed March 21, 1942. Serial No. 451,806. PUBLISHED AUGUST 4, 1942. Class 16.

398,145. PREPARATIONS FOR THE TREATMENT OF POULTRY, INCLUDING DUCKS, GEESE, TURKEYS, CHICKS, ETC. THE GLAND-O-LAC CO., Omaha, Nebr.
Filed March 30, 1942. Serial No. 452,015. PUBLISHED AUGUST 4, 1942. Class 6.

398,146. WINES. ITALIAN SWISS COLONY, San Francisco, Calif.
Filed April 21, 1942. Serial No. 452,477. PUBLISHED AUGUST 4, 1942. Class 47.

398,147. RAW WOOL AND MOHAIR AND CATTLE FOR RODEO AND BREEDING PURPOSES. RUSSELL CALLAN, Menard, Tex.
Filed April 24, 1942. Serial No. 452,553. PUBLISHED AUGUST 11, 1942. Class 1.

398,148. PEAT MOSS USED FOR AGRICULTURAL PURPOSES. FRANÇOIS-XAVIER LAMBERT, Quebec, Quebec, Canada.
Filed April 25, 1942. Serial No. 452,582. PUBLISHED AUGUST 4, 1942. Class 10.

398,149. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. WILLIAM HYMAN, Atlantic City, N. J.
Filed April 27, 1942. Serial No. 452,613. PUBLISHED JULY 14, 1942. Class 45.

398,150. POWER UNITS OF THE TYPE WHEREIN AN EXPANSIBLE, FLUID-TIGHT CHAMBER SERVES AS A FORCE TRANSMITTING MEMBER. THE AMERICAN POWER ELEMENT CO., Downey, Calif.
Filed April 28, 1942. Serial No. 452,630. PUBLISHED JULY 7, 1942. Class 23.

398,151. SEALING LIQUID FOR USE IN THE EMBALMING TRADE. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn.
Filed April 28, 1942. Serial No. 452,641. PUBLISHED AUGUST 4, 1942. Class 6.

398,152. MEDICINAL TABLETS CONTAINING ASCORBIC ACID. HORLICK LABORATORIES, INC., Racine, Wis.
Filed April 29, 1942. Serial No. 452,670. PUBLISHED AUGUST 4, 1942. Class 6.

398,153. READY-MIXED PAINTS. UNITED STATES REFINING CO., Cleveland, Ohio.
Filed April 30, 1942. Serial No. 452,701. PUBLISHED AUGUST 4, 1942. Class 16.

398,154. PHOTOGRAPHIC CAMERAS, PHOTOGRAPHIC FILM, PHOTOGRAPHIC DEVELOPING BOXES, ETC. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed May 1, 1942. Serial No. 452,709. PUBLISHED AUGUST 4, 1942. Class 26.

398,155. PHOTOGRAPHIC FILM, PHOTOGRAPHIC PLATES, COPYBOARD HOODS, COPYBOARD FILTER HOLDERS, PHOTOGRAPHIC PRINTING LAMPS, PHOTOGRAPHIC CONTACT SCREENS, AND CONTACT SCREEN PROCESS FILTERS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed May 1, 1942. Serial No. 452,713. PUBLISHED AUGUST 4, 1942. Class 26.

398,156. RUBBER-IMPREGNATED PAPER AND PAPER-FELT FLEXIBLE SHEET MATERIAL USED, FOR EXAMPLE, IN THE MANUFACTURE OF INNERSOLES, ETC. BIAD & SON, INC., East Walpole, Mass.
Filed May 2, 1942. Serial No. 452,737. PUBLISHED AUGUST 4, 1942. Class 50.

398,157. EXHAUST MUFFLERS. BASCA MANUFACTURING CO. INC., Indianapolis, Ind.
Filed May 4, 1942. Serial No. 452,763. PUBLISHED JULY 21, 1942. Class 23.

398,158. FLOUR MADE FROM WHEAT. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed May 4, 1942. Serial No. 452,785. PUBLISHED AUGUST 4, 1942. Class 46.

398,159. ENZYME USED IN THE BREWING INDUSTRY. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed May 4, 1942. Serial No. 452,793. PUBLISHED JULY 28, 1942. Class 48.

398,160. TYPEWRITER RIBBONS AND CARBON PAPER. A. P. LITTLE, INC., Rochester, N. Y.
Filed May 5, 1942. Serial No. 452,807. PUBLISHED AUGUST 4, 1942. Class 11.

398,161. CASTILE SHAMPOO, OIL SHAMPOO, COCONUT OIL SHAMPOO, HAIR OIL, CROQUIGNOLE SOLUTION, PERMANENT WAVE SOLUTION, COLD CREAM, SHAVE LOTION, SKIN LOTION, AND CLEANSING CREAM. 42 PRODUCTS, INC., Los Angeles, Calif.
Filed May 6, 1942. Serial No. 452,826. PUBLISHED AUGUST 4, 1942. Class 6.

398,162. STILL AND SPARKLING WINES. JULIUS WILE SONS & CO., INC., New York, N. Y.
Filed May 6, 1942. Serial No. 452,845. PUBLISHED JULY 28, 1942. Class 47.

398,163. SALT COMPOSITIONS FOR METAL-TREATING BATHS, THE PURPOSE OF WHICH IS TO IMPART SURFACE COLOR TO METALS. HEATBATH CORPORATION, Indian Orchard, Mass.
Filed May 9, 1942. Serial No. 452,903. PUBLISHED AUGUST 4, 1942. Class 6.

398,164. ABSORBENTS, ALKALIZERS, ALLERGENS, ALTERATIVES, AMEBICIDES, ANALGESICS, ANAPHRODISIACS, ANESTHETICS, ETC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed May 11, 1942. Serial No. 452,935. PUBLISHED JULY 28, 1942. Class 6.

398,165. GAS ECONOMIZER ATTACHMENT FOR THE MUFFLERS AND EXHAUST PIPES OF INTERNAL COMBUSTION ENGINES. AMMIEL F. DECKER, doing business as Decker Products Co., Pelham, N. Y.
Filed May 12, 1942. Serial No. 452,957. PUBLISHED JULY 14, 1942. Class 23.

398,166. SHEET LEATHERBOARD AND FIBERBOARD FOR USE IN MAKING HEELS AND MIDSOLES FOR SHOES. GEORGE O. JENKINS COMPANY, Bridgewater, Mass.
Filed May 12, 1942. Serial No. 452,962. PUBLISHED AUGUST 4, 1942. Class 1.

398,167. TORQUE WRENCHES, VALVE AND CLUTCH SPRING TESTERS, FLUID CLUTCHES TORQUE TESTERS AND VARIOUS SPECIAL TOOLS MADE ON ORDER. P. A. STURTEVANT CO., Addison, Ill.
Filed May 13, 1942. Serial No. 452,992. PUBLISHED JULY 21, 1942. Class 23.

398,168. ELECTRIC FUSES. THE CHASE-SHAWMUT COMPANY, Newburyport, Mass.
Filed May 18, 1942. Serial No. 453,076. PUBLISHED AUGUST 4, 1942. Class 21.

398,169. PREPARATION FOR USE IN GASTROINTESTINAL DISTURBANCES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed May 18, 1942. Serial No. 453,087. PUBLISHED July 28, 1942. Class 6.

398,170. FROTHING AND COLLECTING REAGENT COMPRISING ALKALI METAL LINOLEATE AND OLEATE FOR ORE FLOTATION PROCESSING. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed May 19, 1942. Serial No. 453,120. PUBLISHED JULY 28, 1942. Class 6.

398,171. IRON TONIC. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed May 19, 1942. Serial No. 453,131. PUBLISHED JULY 28, 1942. Class 6.

398,172. CHEMO-THERAPEUTIC DRUG FOR THE TREATMENT OF AFRICAN SLEEPING SICKNESS (TRYPANOSOMIASIS) AND PEMPHIGUS. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed May 19, 1942. Serial No. 453,136. PUBLISHED JULY 28, 1942. Class 6.

398,173. MEDICINAL OINTMENT FOR RELIEF OF SUPERFICIAL SKIN IRRITATIONS. W. T. HANSON COMPANY, Schenectady, N. Y.
Filed May 20, 1942. Serial No. 453,140. PUBLISHED AUGUST 4, 1942. Class 6.

398,174. CARTOONS. OHRBACH'S, INC., New York, N. Y.
Filed May 20, 1942. Serial No. 453,142. PUBLISHED AUGUST 4, 1942. Class 38.

398,175. PREPARATION FOR CLEANING AND POLISHING METAL, PORCELAIN, GLASS, AND OTHER POLISHED SURFACES, INCLUDING PAINTED, LACQUERED AND ENAMELED SURFACES. THE A. S. BOYLE COMPANY, Jersey City, N. J.
Filed May 21, 1942. Serial No. 453,151. PUBLISHED AUGUST 4, 1942. Class 4.

398,176. ELECTRIC LAMPS WITH SHADES. OVINGTON'S GIFT SHOP, INC., New York, N. Y.
Filed May 23, 1942. Serial No. 453,207. PUBLISHED AUGUST 4, 1942. Class 21.

398,177. PLAYING CARDS AND PLAYING CARD CASES, POKER CHIPS, GAMES—NAMELY, TABLE GAMES PLAYED WITH MOVABLE PIECES AND A SPINNER, AND GAME SETS—NAMELY, GAMES PLAYED WITH DARTS AND A TARGET, CHESS, BACKGAMMON, AND MAH JONG. OVINGTON'S GIFT SHOP, INC., New York, N. Y.
Filed May 23, 1942. Serial No. 453,208. PUBLISHED AUGUST 4, 1942. Class 22.

398,178. SHAMPOO PREPARATION AND CLEANSING CREAM. EUGENIE MARCHADO, New York, N. Y.
Filed May 19, 1942. Serial No. 453,260. PUBLISHED JULY 28, 1942. Class 6.

398,179. MECHANICAL CLUTCHES, CLUTCH PLATES, PARTS THEREOF. BORG-WARNER CORPORATION, Chicago, Ill.
Filed May 26, 1942. Serial No. 453,261. PUBLISHED JULY 14, 1942. Class 23.

398,180. TRAILBUILDERS, THAT IS, MACHINES FOR MOVING DIRT, ETC., FOR RELATIVELY SHORT DISTANCES, ETC. THE BUCKEYE TRACTION DITCHER COMPANY, Findlay, Ohio.
Filed May 26, 1942. Serial No. 453,262. PUBLISHED JULY 21, 1942. Class 23.

398,181. TABLEWARE—NAMELY, KNIVES, FORKS, AND SPOONS, MADE OF CELLULOSE. CELLU-SERVICE CORPORATION, Mineola, N. Y.
Filed May 26, 1942. Serial No. 453,268. PUBLISHED JULY 28, 1942. Class 23.

398,182. APPLE AND GRAPE JUICE, FOR BEVERAGE PURPOSE. CLARKE DONELSON CO., Yakima, Wash.
Filed May 26, 1942. Serial No. 453,269. PUBLISHED JULY 21, 1942. Class 45.

398,183. MAGAZINE PUBLISHED MONTHLY. WILLIAM IRVING HAMILTON, INC., New York, N. Y.
Filed May 27, 1942. Serial No. 453,299. PUBLISHED AUGUST 4, 1942. Class 38.

398,184. CHICK FEED. HILLTOP FARM FEED COMPANY, Minneapolis, Minn.
Filed May 27, 1942. Serial No. 453,301. PUBLISHED AUGUST 4, 1942. Class 46.

398,185. GERMICIDAL SOLUTION. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed May 27, 1942. Serial No. 453,307. PUBLISHED JULY 28, 1942. Class 6.

398,186. CARBONATED SOFT DRINKS AND SYRUP CONCENTRATES FOR USE IN MAKING THE SAME. WILTZ W. WAGNER, doing business as Chas. P. Wagner & Bro., New Orleans, La.
Filed May 27, 1942. Serial No. 453,316. PUBLISHED JULY 21, 1942. Class 45.

398,187. BRANDY. ED. PHILLIPS & SONS COMPANY, Minneapolis, Minn.
Filed May 28, 1942. Serial No. 453,339. PUBLISHED JULY 28, 1942. Class 49.

398,188. SALT HERRING. SAN JUAN FISHING & PACKING CO., Seattle, Wash.
Filed May 28, 1942. Serial No. 453,341. PUBLISHED AUGUST 4, 1942. Class 46.

398,189. CHEMICAL SOLUTION TO BE USED IN THE PERMANENT WAVING OF HAIR. RAYMOND LABORATORIES, INC., St. Paul, Minn.
Filed May 29, 1942. Serial No. 453,370. PUBLISHED AUGUST 4, 1942. Class 6.

398,190. INSECT REPELLENT AND PLANT STIMULANT. LEE B. LESLIE, Grand Prairie, Tex.
Filed June 1, 1942. Serial No. 453,399. PUBLISHED AUGUST 4, 1942. Class 6.

398,191. FURRIER'S BLADES. ALBERT WESTPFAL, New York, N. Y.
Filed June 2, 1942. Serial No. 453,426. PUBLISHED AUGUST 4, 1942. Class 23.

398,192. WIRE AND NAIL CUTTERS. M. W. ROBINSON CO., New York, N. Y.
Filed June 3, 1942. Serial No. 453,446. PUBLISHED JULY 28, 1942. Class 23.

398,193. UTILITY KNIFE BLADES AND HOLDERS THEREFOR. LIONEL SETH LEFFERT, doing business as Skyway Model Aircraft Supply Company, Brooklyn, N. Y.
Filed June 4, 1942. Serial No. 453,458. PUBLISHED AUGUST 4, 1942. Class 23.

398,194. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed June 4, 1942. Serial No. 453,459. PUBLISHED AUGUST 4, 1942. Class 6.

398,195. CARBURETORS AND ACCESSORIES THEREFOR. BENDIX AVIATION CORPORATION, South Bend, Ind.
Filed June 5, 1942. Serial No. 453,487. PUBLISHED JULY 28, 1942. Class 23.

398,196. PREPARATION FOR INTERNAL USE FOR THE PURPOSE OF FACILITATING THE TAKING OF X-RAY PICTURES OF INTERNAL ORGANS. SCHERING CORPORATION, Bloomfield, N. J.
Filed June 6, 1942. Serial No. 453,519. PUBLISHED JULY 28, 1942. Class 6.

398,197. WHISKEY. STITZEL-WELLER DISTILLERY, Shively, Ky.
Filed June 6, 1942. Serial No. 453,523. PUBLISHED AUGUST 4, 1942. Class 49.

398,198. ANTI-COAGULANTS. WISCONSIN ALUMNI RESEARCH FOUNDATION, Madison, Wis.
Filed June 6, 1942. Under the Act of February 20, 1905, as amended June 10, 1938. Serial No. 453,526. PUBLISHED JULY 28, 1942. Class 6.

398,199. PERFUMES, FACE POWDER, ROUGE, AND LIPSTICK. PRINCE MATCHABELLI, INC., New York, N. Y.
Filed June 8, 1942. Serial No. 453,559. PUBLISHED JULY 28, 1942. Class 6.

398,200. CATALYST OF BAUXITE IMPREGNATED WITH ANHYDROUS ALUMINUM CHLORIDE. POROCEL CORPORATION, Philadelphia, Pa.
Filed June 9, 1942. Serial No. 453,569. PUBLISHED JULY 28, 1942. Class 6.

398,201. PREPARATIONS USED AS CLEANSING AGENTS FOR GENERAL HOUSEHOLD AND INDUSTRIAL CLEANSING PURPOSES. THE SOLVAY PROCESS COMPANY, New York, N. Y.
Filed June 9, 1942. Serial No. 453,572. PUBLISHED AUGUST 4, 1942. Class 4.

398,202. GERMICIDE AND DISINFECTANT IN LIQUID FORM. D. H. BUSTER CHEMICAL COMPANY, Kansas City, Mo.
Filed June 12, 1942. Serial No. 453,609. PUBLISHED JULY 28, 1942. Class 6.

398,203. SPONGE ON MAKE-UP. F. J. P. COMPANY, Chicago, Ill.
Filed June 12, 1942. Serial No. 453,616. PUBLISHED JULY 28, 1942. Class 6.

398,204. POTATO CHIPS. LEONARD G. GILLESPIE, York, Pa.
Filed June 12, 1942. Serial No. 453,621. PUBLISHED AUGUST 4, 1942. Class 46.

398,205. BEVERAGES SOLD AS SOFT DRINKS; QUININE WATER; CLUB SODA, AND MINERAL WATER. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed June 13, 1942. Serial No. 453,650. PUBLISHED AUGUST 4, 1942. Class 45.

398,206. VITAMIN PREPARATION. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y.
Filed June 15, 1942. Serial No. 453,678. PUBLISHED AUGUST 4, 1942. Class 6.

398,207. MEDICINAL PREPARATION CONSISTING OF A PRECIPITATED POLLEN EXTRACT USED IN THE TREATMENT OF HUMANS HYPERSENSITIVE TO POLLENS. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed June 17, 1942. Serial No. 453,718. PUBLISHED JULY 28, 1942. Class 6.

398,208. PREPARATIONS RECOMMENDED FOR THE PREVENTION AND TREATMENT OF RINGWORM, ATHLETE'S FOOT, ETC. F. AD. RICHTER & CO. INC., Brooklyn, N. Y.
Filed June 18, 1942. Serial No. 453,738. PUBLISHED JULY 28, 1942. Class 6.

398,209. MEDICINAL ESTROGENIC HORMONE PREPARATION. SCHERING CORPORATION, Bloomfield, N. J.
Filed June 19, 1942. Serial No. 453,760. PUBLISHED AUGUST 4, 1942. Class 6.

398,210. GOGGLES AND PARTS THEREOF. WELSH MANUFACTURING COMPANY, Providence, R. I.
Filed June 24, 1942. Serial No. 453,867. PUBLISHED AUGUST 4, 1942. Class 26.

398,211. GOGGLES AND PARTS THEREOF INCLUDING FILTER GLASS THEREFOR. WELSH MANUFACTURING COMPANY, Providence, R. I.
Filed June 24, 1942. Serial No. 453,868. PUBLISHED AUGUST 4, 1942. Class 26.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

398,212. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE DOANE PRODUCTS CORPORATION, Meriden, Conn. Filed July 8, 1939. Serial No. 421,372.

LOUVERGLAS

FOR TRANSLUCENT PLASTIC SHEETS AND PLATES COMBINED WITH GLASS PLATES.
Claims use since Feb. 1, 1939.

398,213. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CUBE STEAK MACHINE CO., INC., Boston, Mass. Filed June 23, 1941. Serial No. 444,757.

VISCERATOR

FOR MACHINES FOR DRESSING POULTRY AND THE LIKE.
Claims use since June 2, 1941.

398,214. (CLASS 6, CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CURRAN CORPORATION, Malden, Mass. Filed July 18, 1941. Serial No. 445,459.

CURRAN #30-06

FOR CHEMICAL FLUID FOR CLEANING AND PRESERVING THE BORES OF FIREARMS.
Claims use since April, 1941.

398,215. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DE LAVAL SEPARATOR COMPANY, New York, N. Y. Filed Aug. 8, 1941. Serial No. 446,077.

Sterling

FOR MILKING MACHINES, TEAT CUPS, AND PARTS AND ATTACHMENTS THEREFOR.
Claims use since July 1, 1941.

398,216. (CLASS 12. CONSTRUCTION MATERIALS.) HARNLY WEATHERSTRIP COMPANY, NOT INCORPORATED, Chicago, Ill. Filed Sept. 18, 1941. Serial No. 447,134.

TRI-PLY

FOR WEATHERSTRIP CONSISTING OF FELT AND/OR SPONGE RUBBER.
Claims use since Aug. 15, 1941.

398,217. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SHELDON M. BOOTH, doing business as Diamond Tool Company, Chicago, Ill. Filed Sept. 25, 1941. Serial No. 447,300.

BIG-HED

FOR DIAMOND DRESSING TOOLS.
Claims use since Aug. 1, 1941.

398,218. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMANUEL M. JOSEPHSON, New York, N. Y. Filed Oct. 3, 1941. Serial No. 447,530.

ANTI-GRAY

FOR VITAMIN B COMPLEX PILLS.
Claims use since June 3, 1941.

398,219. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LOUIS STERN COMPANY INCORPORATED, Providence, R. I. Filed Nov. 4, 1941. Serial No. 448,401.

THE Featherweight

FOR WATCH BRACELETS AND ATTACHMENTS TO WRIST-WATCH STRAPS MADE OF PLASTIC MATERIAL.
Claims use since Aug. 29, 1941.

398,220. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed Nov. 6, 1941. Serial No. 448,428.

NIAGARA

FOR SHEET MATERIAL COATED WITH ABRASIVE GRAINS.
Claims use since November, 1923.

398,221. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) FIXLER BROTHERS, INCORPORATED, Chicago, Ill., assignor to Fixler Bros., Chicago, Ill., a copartnership composed of Maurice Fixler and Martin Fixler. Filed Nov. 14, 1941. Serial No. 448,634.

JOIN-IT

FOR PATCHES OF MATERIAL STAMPED FOR EMBROIDERY OR ART NEEDLEWORK.
Claims use since March, 1934.

398,222. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SHELDON M. BOOTH, doing business as Diamond Tool Company, Chicago, Ill. Filed Jan. 2, 1942. Serial No. 449,952.

LOC-KEY-SET

FOR DIAMOND DRESSING TOOLS.
Claims use since Aug. 1, 1941.

398,223. (CLASS 31. FILTERS AND REFRIGERATORS.) GIBSON ELECTRIC REFRIGERATOR CORPORATION, Greenville, Mich. Filed Mar. 7, 1942. Serial No. 451,465.

GIBSON

FOR MECHANICAL REFRIGERATORS, REFRIGERATOR CABINETS, MECHANICAL REFRIGERATING APPARATUS, REFRIGERANT COMPRESSORS, REFRIGERANT CONDENSERS, REFRIGERANT EVAPORATORS, AND CONTROLS FOR REFRIGERATING APPARATUS.
Claims use since Jan. 1, 1929.

398,224. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HUBERT R. CRANE, doing business as Flexible Sewer-Rod Equipment Co., Los Angeles, Calif. Filed June 2, 1942. Serial No. 453,412.

DOUBLE CORKSCREW

FOR PIPE OR OTHER BORE CLEANING TOOL.
Claims use since March, 1937.

398,225. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AUGUST WAHLDIN, INC., New York, N. Y. Filed June 13, 1942. Serial No. 453,649.

ROGER KREEN

FOR CUTLERY—NAMELY, CARVING KNIVES, CARVING SETS, DINNER KNIVES AND FORKS, GAME AND POULTRY SHEARS, HAIR CLIPPERS, HUNTING KNIVES, KITCHEN CUTLERY, POCKET AND JACK KNIVES, BARBERS' AND SAFETY RAZORS AND SAFETY RAZOR BLADES.
Claims use since October, 1940.

398,226. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HAMILTON MANUFACTURING COMPANY, doing business as The American Cabinet Co., a division of Hamilton Manufacturing Company, Two Rivers, Wis., and Rahway, N. J. Filed June 22, 1942. Serial No. 453,799.

AMERICAN

FOR DENTISTS' AND DENTAL OFFICE FURNISHINGS, SPECIFICALLY, OPERATING CABINETS, DIAGNOSTIC CABINETS, FILING CABINETS, DESKS, LABORATORY BENCHES, AND WASTE RECEIVERS.
Claims use since 1900.

398,227. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN D. SMITH, doing business as General Insecticide Company, Utica, N. Y. Filed Aug. 1, 1942. Serial No. 454,671.

GENERAL
STOCK and HOUSEHOLD
SPRAY

FOR INSECTICIDES.
Claims use since Mar. 19, 1940.

398,228. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE BILLINGS & SPENCER COMPANY, Hartford, Conn. Filed Aug. 8, 1942. Serial No. 454,793.

BILLINGS

FOR CHAINS, THUMB NUTS, THUMB SCREWS, ROD ENDS, YOKE ENDS, EYE BOLTS, EYE NUTS, AND HOIST HOOKS.
Claims use since Apr. 1, 1926.

TRADE-MARK REGISTRATIONS RENEWED

22,567. **"J. W. JAMES & CO." AND DRAWING.** TONICS, BITTERS, LINIMENTS, AND SIRUPS. Registered February 28, 1893. J. W. JAMES & CO., East Brady, Pa. Re-renewed February 28, 1943, to Sterling Products (Incorporated), Wheeling, W. Va., a corporation of West Virginia, assignee.

22,572. **"DR. ROSS' LIFE PILLS".** CATHARTIC PILLS. Registered February 28, 1893. CLARENCE B. RIKER, New York, N. Y. Re-renewed February 28, 1943, to The Sydney Ross Co., Newark, N. J., a corporation of New Jersey, assignee.

148,747. **CRESERVATIVE.** WOOD-PRESERVATIVE. Registered November 22, 1921. G. H. VOTER, INC. Renewed November 22, 1941, to G. H. Voter Company, Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

151,490. **MUSTER-ICE.** A SALVE OR OINTMENT FOR CERTAIN NAMED USES. Registered February 7, 1922. GIBSON-SNOW CO., INC., Albany, N. Y. Renewed February 7, 1942, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland, successor.

154,181. **JUST-RITE.** NONINTOXICATING, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUPS USED IN THE PREPARATION OF THE SAME. Registered April 4, 1922. WESTERN WHOLESALE DRUG CO., Los Angeles, Calif. Renewed April 4, 1942, to McKesson & Robbins, Inc., New York, N. Y., a corporation of Maryland, successor.

156,574. **MARCO.** CANDIES. Registered June 27, 1922. LANGLEY & MICHAELS CO., San Francisco, Calif. Renewed June 27, 1942, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland, successor.

158,205. **SULFURSAN.** MEDICINAL PREPARATION FOR THE TREATMENT AND RELIEF OF RHEUMATISM, SCIATICA, GOUT, AND NEURITIS. Registered August 29, 1922. THE DELSON CHEMICAL CO., INC., Brooklyn, N. Y., a corporation of New York. Renewed August 29, 1942.

158,214. **"FAIRMONT" AND DRAWING.** GASOLINE ENGINES AND HAND-CAR ENGINES. Registered August 29, 1922. FAIRMONT GAS ENGINE & RAILWAY MOTOR CAR CO. Renewed August 29, 1942, to Fairmont Railway Motors, Incorporated, Fairmont, Minn., a corporation of Minnesota, by change of name.

158,465. **DOROTHY PERKINS.** FACE-CLEANSING CREAM, A FACE CREAM, AN ANTISEPTIC BEAUTY BALM, HAIR TONIC, AND HAIR-CURLING FLUID. Registered September 5, 1922. TULA E. ISAACS, doing business as Dorothy Perkins Toilet Goods Company, Dallas, Tex. Renewed September 5, 1942, to Dorothy Perkins Company, St. Louis, Mo., a corporation of Missouri, assignee by mesne assignments.

158,499. **HYPO-UNITS.** SYRINGES FOR MEDICAL PURPOSES. Registered September 5, 1922. H. K. MULFORD COMPANY. Renewed September 5, 1942, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

158,543. **SILOSAN.** CHEMICAL AND PHARMACEUTICAL PREPARATION WHICH IS USED AS AN ANALGESIC, ANTIRHEUMATIC, ANTIPYRETIC. Registered September 5, 1922. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Renewed September 5, 1942, to Ciba Pharmaceutical Products, Inc., Summit, N. J., a corporation of New Jersey, assignee.

158,544. **"D" AND DRAWING.** CERTAIN NAMED PORCELAIN INSULATING DEVICES. Registered September 5, 1922. SQUARE D COMPANY, Detroit, Mich., a corporation of Michigan. Renewed September 5, 1942.

158,740. **"MAN O'WAR" AND DRAWING.** VARNISHES. Registered September 12, 1922. MCCLOSKEY VARNISH COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed September 12, 1942.

158,745. **PONY SKIN.** SILK PIECE GOODS. Registered September 12, 1922. H. R. MALLINSON & CO. INC. Renewed September 12, 1942, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee.

158,840. **"UNCLE SAM'S" AND DRAWING.** EXTERMINATING FLUIDS FOR EXTERMINATING ROACHES AND BEDBUGS, AND DISINFECTANTS. Registered September 12, 1922. UNCLE SAM CHEMICAL CO. Renewed September 12, 1942, to Uncle Sam Chemical Co. Inc., New York, N. Y., a corporation of New York, assignee.

158,858. **NUBLEND.** POWDER AND AMMUNITION CONTAINING THE SAME. Registered September 12, 1922. WESTERN CARTRIDGE COMPANY, East Alton and Springfield, Ill. Renewed September 12, 1942, to Western Cartridge Company, East Alton, Ill., a corporation of Delaware, assignee.

159,012. **"LACROSSE RUBBER MILLS CO." AND DRAWING.** RUBBER BOOTS AND SHOES. Registered September 19, 1922. LA CROSSE RUBBER MILLS CO., La Crosse, Wis., a corporation of Wisconsin. Renewed September 19, 1942.

159,448. **SOMNOS.** PREPARATION USED AS A REMEDY FOR INSOMNIA AND RESTLESSNESS. Registered September 26, 1922. H. K. MULFORD COMPANY. Renewed September 26, 1942, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

159,468. **NOONAN'S.** TOILET PREPARATIONS—NAMELY, COMPLEXION CREAM, SKIN LOTIONS, AND PREPARATIONS FOR THE HAIR AND SCALP. Registered September 26, 1922. T. NOONAN & SONS COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed September 26, 1942.

159,567. **VICTOR.** SAFES AND LOCKS. Registered September 26, 1922. THE VICTOR SAFE AND LOCK COMPANY, Cincinnati, Ohio. Renewed September 26, 1942, to The Victor Safe & Equipment Co., Inc., North Tonawanda N. Y., a corporation of New York, assignee.

159,718. **SILKS DE LUXE.** SILK PIECE GOODS. Registered October 3, 1922. H. R. MALLINSON & CO., INC. Renewed October 3, 1942, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee.

160,014. **SHAPLEIGH.** PNEUMATIC RUBBER TIRES AND TUBES. Registered October 10, 1922. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed October 10, 1942.

160,176. **POMP.** CIGARS, LITTLE CIGARS, CIGARETTES, AND SMOKING TOBACCO. Registered October 17, 1922. ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Renewed October 17, 1942, to Alfred Dunhill Limited, London, England, a corporation of Great Britain, assignee.

160,177. **DURBAR.** CIGARS, LITTLE CIGARS, CIGARETTES, AND SMOKING TOBACCO. Registered October 17, 1922. ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Renewed October 17, 1942, to Alfred Dunhill Limited, London, England, a corporation of Great Britain, assignee.

160,469. **"FAIRMONT" AND DRAWING.** RAILWAY MOTOR CARS AND PRESSED-STEEL CAR WHEELS. Registered October 24, 1922. FAIRMONT GAS ENGINE & RAILWAY MOTOR CAR CO. Renewed October 24, 1942, to Fairmont Railway Motors, Incorporated, Fairmont, Minn., a corporation of Minnesota, by change of name.

160,606. **"MILLIONS DAILY".** PAPER CLAMPS, PAPER CLIPS, THUMB TACKS, PIN TICKETS, AND RING CLIPS. Registered October 24, 1922. NOESTING PIN TICKET COMPANY, INCORPORATED, Mount Vernon, N. Y. Renewed October 24, 1942, to Noesting Pin Ticket Company, Incorporated, New York, N. Y., a corporation of New York.

161,624. **"SIGNODE SYSTEM" AND DRAWING.** MATERIALS FOR STRAPPING BOXES OR THE LIKE, CONSISTING OF METALLIC BOX STRAPPING AND BOX-STRAPPING SEALS. Registered November 14, 1922. SIGNODE SYSTEM, INC. Renewed November 14, 1942, to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware, assignee.

161,737. **COUNTERBOY.** TAPE-SERVING DEVICE. Registered November 21, 1922. AMERICAN NONSEAL WORKS, INC., New York, N. Y. Renewed November 21, 1942, to Better Packages, Inc., Shelton, Conn., a corporation of New York, by change of name.

161,935. **LA FLOR DEL PUNTO.** CIGARS, LITTLE CIGARS, CIGARETTES, AND SMOKING TOBACCO. Registered November 28, 1922. ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Renewed November 28, 1942, to Alfred Dunhill Limited, London, England, a corporation of Great Britain, assignee.

162,871. **CASTAN.** LUBRICATING OILS. Registered December 12, 1922. STANDARD OIL COMPANY (INCORPORATED IN NEW JERSEY), Bayonne, N. J. Renewed December 12, 1942, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee.

162,872. **UNIVIS.** LUBRICATING OILS. Registered December 12, 1922. STANDARD OIL COMPANY (INCORPORATED IN NEW JERSEY), Bayonne, N. J. Renewed December 12, 1942, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee.

162,873. **FAXAM.** LUBRICATING OILS. Registered December 12, 1922. STANDARD OIL COMPANY (INCORPORATED IN NEW JERSEY), Bayonne, N. J. Renewed December 12, 1942, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee.

162,874. **FEBIS.** LUBRICATING OILS. Registered December 12, 1922. STANDARD OIL COMPANY (INCORPORATED IN NEW JERSEY), Bayonne, N. J. Renewed December 12, 1942, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee.

162,875. **FANOX.** LUBRICATING OILS. Registered December 12, 1922. STANDARD OIL COMPANY (INCORPORATED IN NEW JERSEY), Bayonne, N. J. Renewed December 12, 1942, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee.

162,876. **FORUM.** LUBRICATING OILS. Registered December 12, 1922. STANDARD OIL COMPANY (INCORPORATED IN NEW JERSEY), Bayonne, N. J. Renewed December 12, 1942, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee.

162,877. **JUNIOR.** LUBRICATING OILS. Registered December 12, 1922. STANDARD OIL COMPANY (INCORPORATED IN NEW JERSEY), Bayonne, N. J. Renewed December 12, 1942, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee.

162,878. **DRUID.** LUBRICATING OILS. Registered December 12, 1922. STANDARD OIL COMPANY (INCORPORATED IN NEW JERSEY), Bayonne, N. J. Renewed December 12, 1942, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee.

162,879. **CANTHUS.** LUBRICATING OILS. Registered December 12, 1922. STANDARD OIL COMPANY (INCORPORATED IN NEW JERSEY), Bayonne, N. J. Renewed December 12, 1942, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee.

162,880. **ROXTONE.** LUBRICATING OILS. Registered December 12, 1922. STANDARD OIL COMPANY (INCORPORATED IN NEW JERSEY), Bayonne, N. J. Renewed December 12, 1942, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee.

162,529. **BULL DOG.** WIRE-ROPE CLIPS. Registered December 19, 1922. THE LAMSON & SESSIONS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed December 19, 1942.

162,576. **PENOLA.** LUBRICATING OILS AND GREASES. Registered December 19, 1922. PENNSYLVANIA LUBRICATING COMPANY, Pittsburgh, Pa. Renewed December 19, 1942, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee.

162,896. **NUSO.** CRANK-CASE FLUSHING OIL. Registered December 26, 1922. STANDARD OIL COMPANY (INCORPORATED IN NEW JERSEY), Bayonne, N. J. Renewed December 26, 1942, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee.

163,068. **MON CHÉRI.** CERTAIN NAMED TOILET PREPARATIONS. Registered January 2, 1923. HENRIETTE GAVILLA, Paris, France. Renewed January 2, 1943, to Chartre Manufacturing & Importing Co. Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

163,358. **SUMMIT SWEETS.** CANDY. Registered January 9, 1923. SAMUEL KREENWICH, Jersey City, N. J. Renewed January 9, 1943, to William L. Sunshine, Brooklyn, N. Y., assignee.

163,468. **"JOHN DEWAR & SONS LTD" AND DRAWING.** WHISKY. Registered January 16, 1923. JOHN DEWAR & SONS, LIMITED, Perth, Scotland, and London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed January 16, 1943.

163,719. **THE MORNING TELEGRAPH.** NEWSPAPERS. Registered January 23, 1923. THE MORNING TELEGRAPH COMPANY, New York, N. Y. Renewed January 23, 1943, to Triangle Publications, Inc., Philadelphia, Pa., a corporation of Delaware, assignee by mesne assignments.

163,880. **"OTTERBURN MILL LIMITED" AND DRAWING.** WOVEN WOOLEN CLOTH IN THE PIECE. Registered February 6, 1923. OTTERBURN MILL LIMITED, Carlisle, England. Renewed February 6, 1943, to Otterburn Limited, Otterburn, England, a corporation of Great Britain.

163,886. **ROYAL.** BRONZE BUSHINGS. Registered February 6, 1923. THE STRICKLAND MACHINE COMPANY, Richmond, Va., a corporation of Virginia. Renewed February 6, 1943.

164,079. **TOWN & COUNTRY.** HOSIERY. Registered February 13, 1923. JOSEPH C. BOSSONG, New York, N. Y. Renewed February 13, 1943.

164,233. **"WASHBURN-CROSBY CO." AND DRAWING.** WHEAT FLOUR. Registered February 13, 1923. WASHBURN-CROSBY COMPANY. Renewed February 13, 1943, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

164,236. **CAYUSE.** BATHROBES, SHAWLS, MEN'S, WOMEN'S AND CHILDREN'S HOSIERY, DRESS SHIRTS, AND MACKINAW COATS. Registered February 13, 1923. PENDLETON WOOLEN MILLS, Washougal, Wash. Renewed February 13, 1943, to Pendleton Woolen Mills, Portland, Oreg., a corporation of Oregon.

164,247. **KUNNIN KID.** HOSIERY. Registered February 13, 1923. JOSEPH C. BOSSONG, New York, N. Y. Renewed February 13, 1943.

164,301. **"POLO" AND DRAWING.** SMOKING AND CHEWING TOBACCO AND CIGARETTES. Registered February 20, 1923. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed February 20, 1943.

164,316. **"GATTIS' CRACK SHOT" AND DRAWING.** A REMEDY FOR DISORDERS OF THE STOMACH AND LIVER. Registered February 20, 1923. GATTIS CHEMICAL COMPANY, Nashville, Tenn., a corporation of Tennessee. Renewed February 20, 1943.

164,450. **MAZON.** A MEDICINAL PREPARATION USED IN THE TREATMENT OF ECZEMA. Registered February 20, 1923. WILLIAM H. GROSS, doing business as Bel-Mont Laboratories, Philadelphia, Pa. Renewed February 20, 1943.

164,496. **"ALKODINE" AND DRAWING.** A HAIR TONIC. Registered February 20, 1923. B. B. CHANDLER, Athens, Ga. Renewed February 20, 1943, to Valentine Laboratories, Inc., Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

164,506. **"NA-RE-CO." AND DRAWING.** LUBRICATING OIL. Registered February 20, 1923. THE NATIONAL REFINING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed February 20, 1943.

164,518. **FADE-OMETER.** APPARATUS FOR TESTING THE FADING QUALITY OF CLOTH. Registered February 20, 1923. ATLAS ELECTRIC DEVICES CO., Chicago, Ill., a corporation of Illinois. Renewed February 20, 1943.

164,543. **"PROGRESS" AND DRAWING.** NAIL SCISSORS, MANICURE SCISSORS, CUTICLE AND NAIL NIPPERS, FLEXIBLE NAIL NIPPERS, POCKET NAIL NIPPERS, AND TOILET TWEEZERS. Registered February 20, 1923. ALFRED FIELD & CO. INC., New York, N. Y., a corporation of New York. Renewed February 20, 1943.

164,595. **"NUMAID" AND DRAWING.** LADIES' FULL FASHIONED SILK HOSIERY. Registered February 20, 1923. MAMMOTH HOSIERY MILLS, Philadelphia, Pa. Renewed February 20, 1943, to Mammoth Hosiery Mills, Trenton, N. J., a corporation of Pennsylvania.

164,609. **OPTIMUS.** SHOVELS, SPADES, SCOOPS, POSTHOLE DIGGERS, AND WOODEN HANDLES. Registered February 20, 1923. BALDWIN TOOL WORKS. Renewed February 20, 1943, to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware, assignee by mesne assignments.

164,661. **"SCEPTER" AND DRAWING.** FRESH ORANGES. Registered February 27, 1923. SANTIAGO ORANGE GROWERS ASSOCIATION, Orange, Calif., a corporation of California. Renewed February 27, 1943.

164,698. **EASTOIL.** LUBRICATING OILS. Registered February 27, 1923. GILMORE PETROLEUM COMPANY. Renewed February 27, 1943, to Gilmore Oil Company, Los Angeles, Calif., a corporation of California, assignee.

164,765. **BOSS HUMDINGER.** FABRIC AND LEATHER GLOVES AND MITTENS. Registered February 27, 1923. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y. Renewed February 27, 1943, to The Boss Manufacturing Company, Kewanee, Ill., a corporation of Illinois.

164,820. **"PALS" AND DRAWING.** CIGARETTES. Registered February 27, 1923. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed February 27, 1943.

164,827. **COTTONTOTS.** HOSIERY. Registered February 27, 1923. JOSEPH C. BOSSONG, New York, N. Y. Renewed February 27, 1943.

164,828. **JACK IN THE BOX.** HOSIERY. Registered February 27, 1923. JOSEPH C. BOSSONG, New York, N. Y. Renewed February 27, 1943.

164,851. **TIK.** FLOUR PASTE. Registered February 27, 1923. CLARK PAPER & MANUFACTURING CO. Renewed February 27, 1943, to Clark Stek-O Corporation, Rochester, N. Y., a corporation of New York, by change of name.

164,852. **WAMSUTTA.** COTTON PIECE GOODS, PILLOW CASES, AND SHEETS. Registered February 27, 1923. WAMSUTTA MILLS, New Bedford, Mass., a corporation of Massachusetts. Renewed February 27, 1943.

164,854. **"BROWNIE" AND DRAWING.** MAITRE CORD, SEINE TWINE, SEAMING TWINE, LOBSTER TWINE, SAIL TWINE, SHADE CORD, COTTON TWINES AND CORDAGE, AND CLOTHESLINES. Registered February 27, 1923. BROWNELL & COMPANY. Renewed February 27, 1943, to Brownell & Company, Inc., Moodus, Conn., a corporation of Connecticut, assignee.

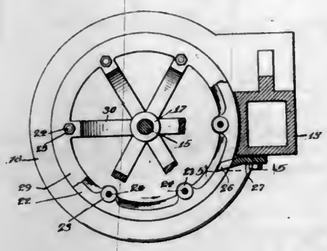
164,890. **TRUTH.** MACHINIST TOOLS—NAMELY, COLD CHISELS, PUNCHES, CLAW BARS, PINCHERS, PLIERS, SCREW DRIVERS, AND WRENCHES. Registered February 27, 1923. TRUTH TOOL CO. Renewed February 27, 1943, to Truth Tool Company, Mankato, Minn., a corporation of Minnesota, successor.

164,923. **"GULDEN'S" AND DRAWING.** MUSTARD. Registered February 27, 1923. CHARLES GULDEN, INC., New York, N. Y., a corporation of New York. Renewed February 27, 1943.

REISSUES

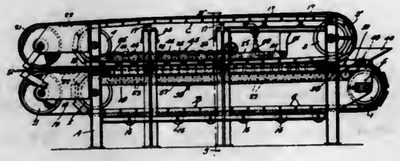
OCTOBER 13, 1942

22,199
SCREEN
Carl H. Nordell, Coloma, Mich.
Original No. 1,948,125, dated February 20, 1934, Serial No. 604,511, April 11, 1932. Application for reissue July 5, 1941, Serial No. 401,300
14 Claims. (Cl. 210—152)



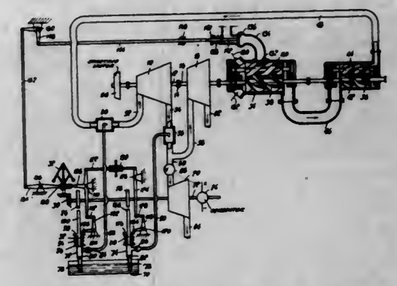
1. A screen comprising a rotatory drum-like screen composed of spaced apart ring-like screen units rigidly secured together and having cutting teeth upon their outer peripheries, and a stationary mounted comb having teeth entering the spaces between the screen units.

22,200
HYDRAULIC CONTINUOUS PRESS
William C. Richardson, Wilbarger County, Tex.
Original No. 2,057,312, dated October 13, 1936, Serial No. 13,179, March 26, 1935. Application for reissue October 12, 1938, Serial No. 234,721
9 Claims. (Cl. 100—35)



9. A pressing machine of the character described comprising upper and lower endless devices, means for supporting the front and rear ends thereof with adjacent reaches arranged to receive material therebetween at one end and to discharge said material adjacent the opposite end thereof, means for moving said endless devices, rows of upright rolls arranged along opposite sides of the endless devices for guiding the same therebetween, said upright rolls overlapping and bearing inwardly against opposite edges of the endless devices, and channels extending along opposite sides of the endless devices enclosing the upright rolls and journaling the same therein for turning movement about approximately vertical axes.

22,201
GAS TURBINE PLANT
Alf Lysholm, Stockholm, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, New York, N. Y., Leslie M. Merrill, Westfield, N. J., and Percy H. Batten, Racine, Wis., as trustees
Original No. 2,238,905, dated April 22, 1941, Serial No. 207,457, May 12, 1938. Application for reissue April 21, 1942, Serial No. 439,956. In Great Britain May 14, 1937
21 Claims. (Cl. 60—41)



1. In a gas turbine plant of the continuous combustion type, a plurality of turbines, compressor means driven by at least one of said turbines and arranged to produce a variable quantity of motive fluid, a plurality of independent heating means arranged at least before part of said turbines, means for supplying motive fluid from said compressor means to said heating means and to said turbines, and a plurality of independent positively metering heat supply means for supplying independent variable quantities of heat to the several heating means.

22,202
SYNTHETIC COMPOST FOR MUSHROOM CULTURE
Benjamin B. Stoller, Coatesville, Pa., assignor to Louis F. Lambert, Coatesville, Pa.
No Drawing. Original No. 2,260,201, dated October 21, 1941, Serial No. 278,076, June 8, 1939. Application for reissue January 17, 1942, Serial No. 427,186
9 Claims. (Cl. 71—5)

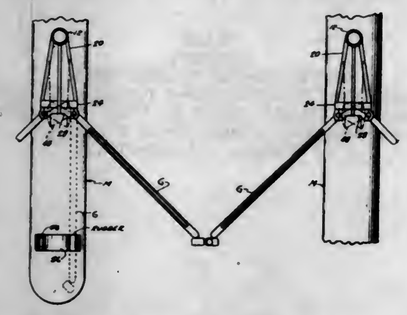
8. In the method of making and using a synthetic compost for mushroom culture, the steps which consist in mixing source materials containing N, which has been soaked for a few minutes to several days, in an acid lignin solution, then adding to this solution source materials containing P_2O_5, and K_2O, and then adding 2 lbs. manganese sulphate, 1 lb. ferrous sulphate, 4 ozs. aluminum sulphate, 4 ozs. copper sulphate, 2 ozs. zinc sulphate, 1 oz. chromic sulphate, 2 ozs. boric acid, 3/7 oz. potassium bromide, 1/7 oz. potassium iodide, adjusting the pH at 6.5 to 7.0 and then adding to said mixture and thoroughly mixing therewith air-dry fibrous material so that the complete compost will have proportions relatively as follows: 12 to 20 lbs. N, 3 to 6 lbs. P_2O_5, 9 to 16 lbs. K_2O and 500 to 700 lbs. of air-dry fibrous material and 65% to 75% moisture per ton, and then placing the compost so prepared in mushroom growing beds to undergo the thermophilic

fermentation of the "sweating" stage, and then after cooling, inoculating with mushroom spawn.

9. A synthetic compost for mushroom culture, comprising, in approximate proportions relatively as follows:—one ton of fibrous material containing 65% to 75% moisture and source materials to produce 12 to 20 lbs. N, 3 to 6 lbs. P_2O_5 and 9 to 16 lbs. K_2O, after allowing for the presence of these constituents in the said fibrous material; said substances being composted, and then inoculated with mushroom spawn.

22,203
STARTING GATE
Don J. Bosio, Santa Monica, and Hoyt Clay Puett, Beverly Hills, Calif., assignors to Puett Electrical Starting Gate Corporation, Beverly Hills, Calif., a corporation of California
Original No. 2,232,675, dated February 18, 1941, Serial No. 288,800, August 7, 1939. Application for reissue February 2, 1942, Serial No. 429,345
16 Claims. (Cl. 119—15.5)

1. In a device of the class described, a pair of support members, a gate pivotally attached to each support member, said gates in closed position extending inwardly and forwardly with their free ends substantially adjacent, each gate making an angle of approximately 45° with the fore and aft axis of said support members, a casing carried by each gate, said casings having faces



meeting along a fore and aft plane, a keeper carried by one casing and a latch carried by the other casing and electric and manual means for releasing said latch.

PLANT PATENTS

GRANTED OCTOBER 13, 1942

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

548
SEEDLESS NAVEL ORANGE
Donald John Nicholson, Orlando, Fla.
No Drawing. Application September 12, 1941, Serial No. 410,628
1 Claim. (Cl. 47—62)

The new variety of navel orange herein disclosed, characterized by consistent and persistent production of very smooth, satin-like, glossy, tough-rinded, early-maturing fruit, and the habit of very slow and gradual filling of its juice cells after the early maturity.

549
NECTARINE
Frederic W. Anderson, Merced, Calif.
Application October 13, 1941, Serial No. 414,827
1 Claim. (Cl. 47—62)

The new and distinct variety of nectarine, as herein disclosed, characterized by yellow and firm-fleshed cling-stone fruit of large size, superior eating quality, and excellent shipping quality; all as compared to the Quetta nectarine.

550
ROSE PLANT
George Janssen, Chicago, Ill., assignor to The Premier Rose Gardens, Consolidated, Des Plaines, Ill., a corporation of Illinois
Application April 13, 1942, Serial No. 438,803
1 Claim. (Cl. 47—61)

A new and useful variety of rose plant as herein shown and described, characterized particularly by its peculiar variegation of colors, and shape of bloom, the depth of the compact control area of the flower, the long bud, lack of thorns, and sturdy stems.

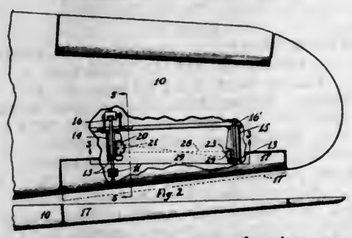
551
ROSE PLANT
Walter Irwin Johnston, Portadown, Northern Ireland, assignor to Jackson & Perkins Company, Newark, N. Y.
Application June 4, 1942, Serial No. 445,767
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by low growing habit for a bush type of plant, the unusual color combination of the flowers, globular shape of the buds and symmetrical unfolding of the petals in the different stages of development to maturity, substantially as shown and described.

PATENTS

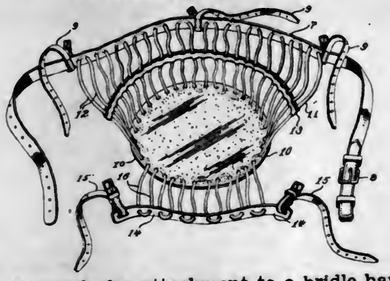
GRANTED OCTOBER 13, 1942

2,298,264
WING SLAT EQUALIZER
John S. Czuries, Buffalo, and Frank Erny, Kenmore, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application January 31, 1941, Serial No. 376,756
4 Claims. (Cl. 244—42)



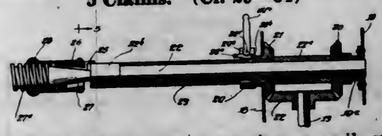
1. In an aircraft control mechanism, an auxiliary airfoil fixed on spaced support arms, said arms being mounted on guideways and in parallel relation for chordwise movement, and means for moving one arm a greater distance than the other, comprising interconnected differential means constituting integral pairs of rotating members, one member of each pair being of different diameter than the other member and being positively engaged with one support arm, the second members of the pairs of integral circular members being of the same diameter and being coupled for joint rotation by flexible means passing around the peripheries of both.

2,298,265
HORSE'S MUZZLE
Winfrey M. Ashby, Howard County, Md.
Application September 24, 1941, Serial No. 412,091
3 Claims. (Cl. 119—33)



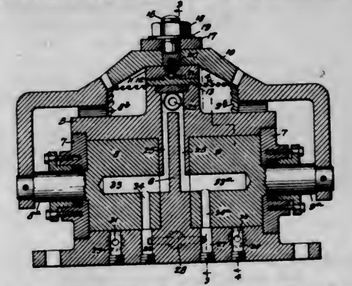
1. A muzzle for attachment to a bridle having bit rings and a nose strap, consisting of a band having means thereon to attach the same to the bridle nose strap, a cover to extend over the animal's mouth, spaced cords extending from the upper outline of the cover and connected to said band, a chin strap spaced from said band and allowing freedom of movement of the animal's lower jaw and having means thereon to attach the same to the bridle bit rings, and spaced cords extending from the lower outline of the cover to said chin strap the cords on the chin strap being substantially spaced from the cords on the band to avoid interference with the bridle and bit.

2,298,266
CORE REMOVING MACHINE
Matthew E. Bachleda, Chicago, Ill.
Application August 19, 1939, Serial No. 291,085
5 Claims. (Cl. 29—84)



1. An appliance for removing a coil spring forming the embedded core of a tubular fabric spool, comprising, a pair of telescoped shafts positioned axially of said spring, the ends of the inner shaft projecting from the outer one, a clamp carried by one end of the outer shaft, a second clamp carried by the opposite end of the inner shaft, said clamps being adapted to secure the end portions of the spring to the respective shafts when said spring is mounted to surround the same, and a gearing to rotate the shafts in opposite directions to wind said spring to contract the same towards its axis and withdraw the convolutions of said spring from the inner wall of said spool.

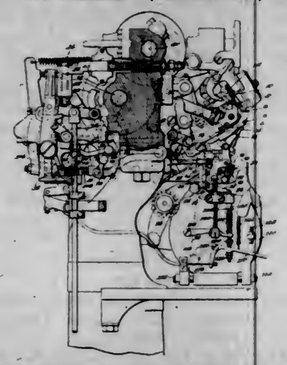
2,298,267
HYDRAULIC CONTROL MECHANISM
Edward J. Alderman, East Moline, and Donald F. White, Moline, Ill.
Application May 15, 1940, Serial No. 335,360
1 Claim. (Cl. 137—144)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a control mechanism, a casing having a central fluid inlet and having in each half a first and second outlet and a third outlet for a controlled unit, a pair of similar rotors one in each half of the casing, each rotor having an axial passage constantly in communication with the inlet, a pair of radial passages in the same plane leading from the axial passage and adapted to selectively establish communication with the first outlet, a single radial passage leading from the axial passage and adapted to establish communication with the third outlet when the pair of radial passages are out of communication with the first outlet, a chordal passage in the plane of the single radial passage for establishing communication between the third outlet and the second outlet when one of the pair of radial passages is in communication with the first outlet, the other of said pair of radial passages being

adapted to register with said first outlet when both said single radial passage and chordal passage are out of register with the third outlet, a gear segment fixed on the outer side of each rotor, arcuate track means on said casing, a gear wheel meshing with the gear segment of each rotor, attaching means between the gear wheel and the arcuate track adapted to slide thereon, said gear wheel being rotatable on said attaching means, and indexing means between said attaching means and said track.

2,298,268
SEWING MACHINE
Fred Ashworth, Wenham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 12, 1940, Serial No. 318,390
29 Claims. (Cl. 112—57)



1. A lockstitch sewing machine having, in combination, stitch forming devices including a hook needle, a loop taker for passing a loop of needle thread about a locking thread and a take-up, means for actuating the take-up to draw thread from the needle loop after being passed about the locking thread, a thread clamp acting on the needle thread between the take-up and the work, and mechanism for actuating the thread clamp to grip the thread during each thread drawing movement of the take-up to stop withdrawal of thread from the needle loop and cause the take-up to pull thread from the supply for the next stitch.

2,298,269
SYNTHETIC PROTEIN RESIN AND METHOD OF MAKING THE SAME
Francis Clarke Atwood, Newton, Mass., assignor to Atlantic Research Associates, Inc., Newtonville, Mass., a corporation of Delaware
No Drawing. Application May 14, 1937, Serial No. 142,574
13 Claims. (Cl. 260—6)

1. A stable water-dispersible hydrated casein-straight chain alkyl amine higher fatty acid soap resin.

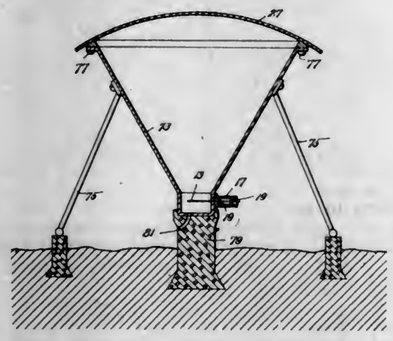
2,298,270
MANUFACTURE OF MODIFIED ORGANIC ISOCOLLOIDS
László Auer, Bloomfield, N. J.
No Drawing. Application February 12, 1940, Serial No. 318,650. In Hungary May 19, 1926
15 Claims. (Cl. 260—407)

1. In the manufacture of improved, modified products, suitable for making varnishes, lacquers and like coating compositions, from fatty oils and materials containing the same, said modified products having increased drying velocity and other improved properties, the step which comprises heating said materials in the presence of a minor amount of an acidic polar compound at a temperature of at least 250° C. and for a time sufficient to modify the physical properties of and increase the drying velocity of said materials, said heating being continued for at least 30 minutes and the amount of said acidic polar compound being sufficient to substantially modify the said properties of said material.

2,298,271
MANUFACTURE OF MODIFIED ORGANIC ISOCOLLOID MATERIALS
László Auer, East Orange, N. J.
No Drawing. Application June 9, 1941, Serial No. 397,279. In Hungary May 19, 1926
12 Claims. (Cl. 260—407)

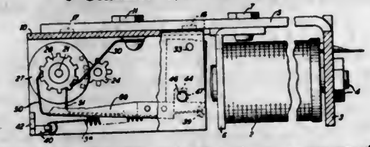
1. In the manufacture of modified, heat-bodied oil products from fatty oils, the process which comprises heating the fatty oil to polymerizing temperatures until a heat-bodied oil product is obtained and then adding to the heat-bodied oil so obtained a minor amount of an organic polar compound capable of facilitating the bodying of said fatty oil and of modifying the physical and other properties of the heat-bodied fatty oil, and further heating the mixture at polymerizing temperature until the organic polar compound is dissolved and a modified heat-bodied oil product is obtained, the said organic polar compound being a metal-free organic polar compound and the amount of said organic polar compound being sufficient to substantially modify the physical properties of the heat-bodied oil so obtained, said polar compound being added to the mixture in the form of a solution.

2,298,272
ELECTROMAGNETIC HORN
Wilmer Lanier Barrow, Newton, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application September 19, 1938, Serial No. 230,737
6 Claims. (Cl. 250—11)



3. A device of the character described comprising an electromagnetic horn having a smaller end and a larger flared open end, means for transmitting electromagnetic waves in the horn, and a curved dielectric closure disposed in the horn, the curve of the closure coinciding substantially with the wave-front of the said waves.

2,298,273
REGISTERING DEVICE
David G. Blattner, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 1, 1942, Serial No. 425,279
9 Claims. (Cl. 74—142)

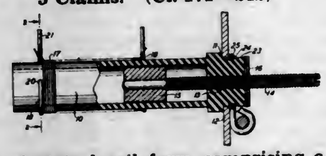


1. In a step-by-step mechanism, a magnet, an armature therefor, a ratchet wheel, a pawl mechanism comprising a rigid member secured to said armature, a flexible driving pawl secured at one end to said member and to the armature, a flexible stop pawl secured at one end to said member and to the armature, projections on said member for pivotally holding said pawls near their free ends to permit said pawls to flex on both sides of said pivotal projections to distribute the strain due to flexing of the pawls over a large portion of their lengths.

2,298,274
MATERIAL FOR SHOE STIFFENERS
Hugo Boeddinghaus, Newburgh, N. Y., assignor to American Felt Company, New York, N. Y., a corporation of Massachusetts
No Drawing. Application August 3, 1940, Serial No. 351,237
4 Claims. (Cl. 36—68)

1. A shoe stiffener in the form of a sheet consisting of a carded mixture of from more than 30 per cent to approximately 50 per cent of thermoplastic fibers and the remainder substantially all cotton fibers, said mixture being bonded and compacted to a stiff condition by hot pressure and being capable of being softened by the action of heat or solvent.

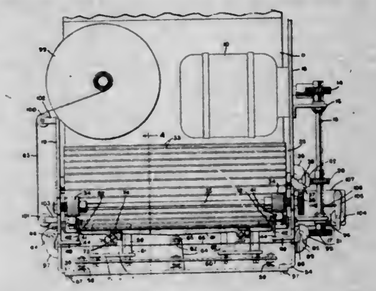
2,298,275
ELECTRICAL COIL
Arnold K. Bohren, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1940, Serial No. 355,040
5 Claims. (Cl. 171—242)



1. An electrical coil form comprising a cylindrical coil form of insulating material, a winding on said form and a terminal securing said winding to said form, said terminal comprising a split loop of resilient wire, the unstressed diameter of said loop being slightly smaller than the diameter of said form so that said loop will clamp tightly thereon and one end of said loop bent inwardly to engage a hole in said form.

2,298,276
DOUBLE IMAGE FACSIMILE PAGE PRINTER
Charles W. Burcky, Park Ridge, and Erwin A. Gubisch, Chicago, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application April 14, 1941, Serial No. 388,430
14 Claims. (Cl. 178—11)

1. A printing telegraph receiver comprising a printing hammer, means responsive to received signals for actuating said hammer, a ridged member movable in one direction past said hammer, a scanning member movable in a direction at an



angle to the direction of movement of the ridged member, and means for moving a web of paper between the ridged member and the scanning member.

2,298,277
COATED OR COLOR GRANULAR MATERIAL
Howard B. Burton, Jr., St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application April 1, 1939, Serial No. 265,606
9 Claims. (Cl. 117—23)

5. As a new article of manufacture, granules adapted for use as roofing granules or the like having on the exterior an adherent coating produced by reacting at temperatures in excess of about 1600° F. in situ on surfaces of the granules a mixture of coating ingredients comprising sodium dichromate, a water-soluble di-valent metal salt including an iron salt, a water-soluble borate and a finely divided solid carbonaceous reducing agent including material from the class consisting of coal and coke, said dichromate being present in substantial proportion but to a lesser extent by weight than said di-valent metal salt, said finely divided carbonaceous reducing agent being present to greater extent by weight than said dichromate, and said borate being present to an extent by weight such that, when figured on a mol basis and on the basis of B_2O_3, the said B_2O_3 will be present to the extent of at least 0.3 but not to a greater extent than 0.6 of that of the Na_2O content of said coating, the latter also being figured on a mol basis, said coating being weather-resisting in character and substantially free of water-soluble salts.

2,298,278
NOVEL FOOD PRODUCT AND METHOD OF PRODUCING THE SAME
Will M. Clark, South Orange, N. J.
Application October 5, 1939, Serial No. 298,007
7 Claims. (Cl. 99—86)

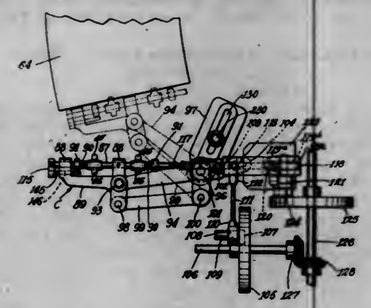


1. The method of preparing an article of food, which comprises providing holes distributed throughout approximately the entire body of a

previously baked farinaceous product with intermediate walls of substantial thickness relatively to the diameter of the holes, inserting therein a plastic edible material, and sealing in said material.

5. As an article of food, a slice of a pre-baked farinaceous product of substantially uniform texture throughout and affording voids and having a multiplicity of portions removed therefrom to provide holes distributed throughout approximately the entire body of the product with intermediate porous walls of substantial thickness relatively to the diameter of the holes and exposing voids, together with a plastic edible material filling said holes and seared over its exposed surfaces to be sealed therein, said material penetrating the exposed voids of the intermediate walls to be further retained thereby against displacement.

2,298,279
MACHINE FOR MANUFACTURING SCRAP BUNCHES
Sigurd Clausen, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application November 12, 1938, Serial No. 240,087
17 Claims. (Cl. 131—32)



1. In a cigar machine provided with a rolling table for rolling bunch charges of tobacco in binders to form bunches, a bunch receiving station for said bunches, and a discharge station, a transfer conveyor, including grippers, positioned for movement from said receiving station adjacent said table to said discharge station, a bunch transfer located at said discharge station, and means for moving said conveyor with a bunch held in said grippers in a substantially horizontal plane only for transporting bunches from said receiving to said discharge station for delivery to said transfer.

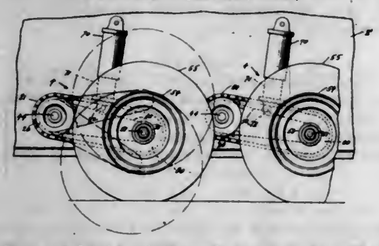
2,298,280
TREATMENT OF METAL
Wilfred James Clifford and Henry Heward Adams, Brentford, England, assignors to Parker Rust-Proof Company, Detroit, Mich., a corporation of Michigan
No Drawing. Original application February 2, 1939, Serial No. 254,238. Divided and this application March 21, 1941, Serial No. 384,541. In Great Britain February 4, 1938
5 Claims. (Cl. 148—6.5)

1. A coating solution containing a coating acid phosphate and hydroxylamine in an amount that accelerates the coating action of the solution.

2,298,281
PROCESS OF FLOTATION SEPARATION OF ORE
Hoyt M. Corley, Anderson W. Ralston, and Ervin W. Segebrecht, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 11, 1939, Serial No. 299,034
14 Claims. (Cl. 209—166)

1. The process of separating ores which comprises subjecting the ore to flotation separation in the presence of a flotation agent comprising a mixture of at least one primary aliphatic amine and at least one aliphatic nitrile, each containing at least six carbon atoms, the amount of nitrile being about 20% to about 65% of the combined quantity of amine and nitrile.

2,298,282
TRACTION UNIT
Floyd de L. Brown, New York, N. Y.
Application May 19, 1939, Serial No. 274,638
6 Claims. (Cl. 180—22)

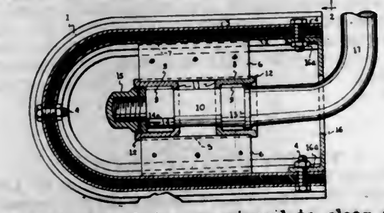


1. In a vehicle of the character described, a frame, a main drive mechanism carried by said frame, a plurality of supporting drive wheel assemblies disposed at opposite sides of said frame, suspension means for each wheel assembly including a rigid arm pivoted at one end to the frame and carrying a wheel at the other end, resilient means for each arm for resisting movement of the arm about its pivot, a shaft on each side of the vehicle extending transversely of the frame and differentially coupled to the main drive mechanism, each of said transverse shafts extending through the end of one of the arms, which end is pivoted to the frame, means for transmitting motion from the end of each of the transverse shafts to the wheel carried by the arm associated therewith, a longitudinally extending shaft on each side of the frame, means for transmitting motion from said transverse shafts to said longitudinal shafts, stub shafts extending through the pivoted ends of the other of said arms, means for transmitting rotary motion from said longitudinal shafts to said stub shafts, and means for transmitting motion from each stub shaft to the wheel carried by the arm with which said stub shaft is associated.

2,298,283
PEDAL FOR FOOT PROPELLED VEHICLES
Thomas I. Duffy, Detroit, Mich., assignor to Delray Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application January 2, 1941, Serial No. 372,731
8 Claims. (Cl. 74—594.4)

1. A pedal for a foot propelled vehicle comprising an elongated resilient strip bent to a substantial U-shape and forming a tread member, a metal strip engaging and conforming to the inner face of said tread member and having

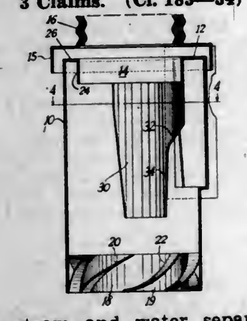
opposed portions, a plurality of spaced fastenings interconnecting the metal strip and tread member, a sheet metal reenforcing plate interconnecting the ends of the metal strip and attached to such strip by certain of said fastenings, said plate being apertured to clear a pin mounting on the pedal, a hub disposed within and substantially coaxial with the tread member, and means rigidly connecting the hub to the opposed portions of said metal strip.



2,298,284
REDUCTIVE ALKYLATION
William S. Emerson, Urbana, Ill.
No Drawing. Application May 2, 1940, Serial No. 332,975
16 Claims. (Cl. 260—577)

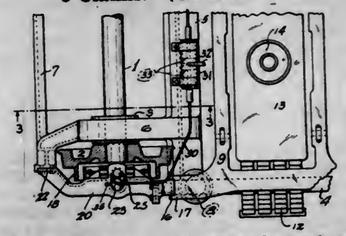
1. In the method of reductive alkylation of a compound selected from the group consisting of primary and secondary aliphatic and aromatic amines and aliphatic and aromatic nitro compounds by means of hydrogen and a carbonyl compound selected from the group consisting of aldehydes and ketones in the presence of a hydrogenation catalyst, the improvement consisting in conducting said reductive alkylation in the presence of a condensing agent consisting of an alkali-metal salt of a weak organic acid.

2,298,285
SEPARATOR
James Fletcher, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application February 9, 1940, Serial No. 318,093
3 Claims. (Cl. 183—34)



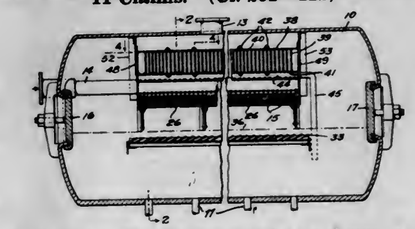
1. In a steam and water separator, means forming an exterior chamber in which there is a water level, a steam offtake communicating with the steam space of said chamber, an upright cylindrical casing forming a whirl chamber within the first mentioned chamber, the whirl chamber having a separated water outlet, a cap or rim construction secured to the top of the whirl chamber and including a continuous flange extending downwardly into the whirl chamber, said cap or rim construction forming a central steam outlet and a partial cover for the whirl chamber casing, an annular unit constituting a downwardly opening cup-shaped ring construction spaced from the top of the whirl chamber and co-operating with the top of the whirl chamber to form an annular outlet for separated steam, a multiple plate steam and water separator disposed above a central opening in said rim construction and above the whirl chamber steam outlet, an arcuate baffle plate secured to the downwardly extending flange of said cap or rim construction and correspondingly spaced from the wall of the whirl chamber, and a whirl chamber inlet structure disposed at a position back of said baffle plate and forming an inlet through which a steam and water mixture is directed substantially tangentially into the whirl chamber.

2,298,286
RAILWAY TRUCK STRUCTURE
Charles F. Frede, University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application June 14, 1940, Serial No. 340,484
5 Claims. (Cl. 105—208.1)



1. In a railway truck, wheels and axles, an equalizer framing comprising members extending longitudinally of the truck adjacent the inner faces of said wheels and mounted on said axles, transverse members extending between said longitudinal members and beyond the latter, and members extending longitudinally of the truck between said transverse members and positioned outwardly of the vertical plane of said wheels, the outer ends of the equalizer framing outer longitudinal members forming upright guides, there being a truck frame spring-supported on said outer members and slidably engaging said guides, and a vehicle body supporting bolster carried on said frame and movable thereon laterally of the truck.

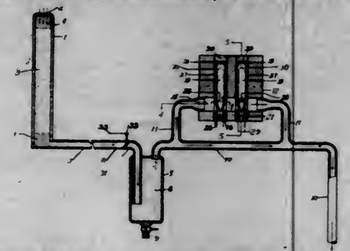
2,298,287
APPARATUS FOR TREATING STEAM
Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application November 5, 1938, Serial No. 239,001
11 Claims. (Cl. 261—112)



1. A steam washer comprising a drum, a plurality of reservoirs in the drum, the reservoirs being adjacently disposed laterally of each other and having substantially parallel side walls with

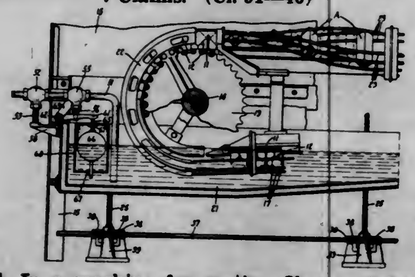
adjacent side walls spaced to provide relatively narrow passages between the reservoirs, a water supply pipe having at least a portion in the drum and extending transversely of the reservoirs, a conduit extending from said pipe into each reservoir to supply water to each reservoir in such quantity that the water flows from the reservoirs into the spaces therebetween, and means causing steam to flow through said passages in contact with water from the reservoirs.

2,298,288
MIXTURE RATIO INDICATOR
Harold C. Gerrish and John G. Reuter, Hampton, Va.
Application April 10, 1939, Serial No. 267,178
3 Claims. (Cl. 23—255)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



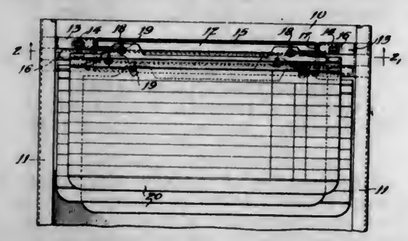
3. Apparatus for continuously indicating the fuel-air ratio of the exhaust gas from aircraft internal-combustion engines comprising a conduit communicating with a source of combustion gas; means in said conduit for oxidizing the products of combustion in said gas and for drying the oxidized gas; a Wheatstone bridge; a pair of comparison cells, each containing a resistor and a hermetically sealed standard gas, each of said resistors being connected in a separate leg of said bridge; a pair of analysis cells, each containing a resistor and communicating at one end only with said conduit to admit by diffusion about the resistor therein a static quantity of the oxidized and dried gas, each of the resistors of said analysis cells being connected in a separate leg of said bridge; manually operable resistor for balancing the bridge circuit, and a thermostatically controlled bimetallic element connected in said bridge circuit for maintaining a constant current therein in accordance with the ambient temperature.

2,298,289
COATING MACHINE
James H. Gordon, Jr., Geneva, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 27, 1940, Serial No. 354,416
7 Claims. (Cl. 91—46)



1. In a machine for coating fibre containers, the combination of a tank for retaining liquid coating material, elements for introducing the coating material in a flowing stream into the tank, devices for shifting the tank into and out of operative position to facilitate cleaning of the tank and other parts, and means for cutting off the flow of the coating material into the tank when the latter is shifted out of operative position, said means being actuated by movement of said tank from operative to inoperative position.

2,298,290
VISIBLE RECORD SYSTEM
Marchand B. Hall, Chicago, Ill., assignor to Acme Visible Records, Inc., Chicago, Ill., a corporation of Delaware
Application January 16, 1941, Serial No. 374,631
19 Claims. (Cl. 129—16)



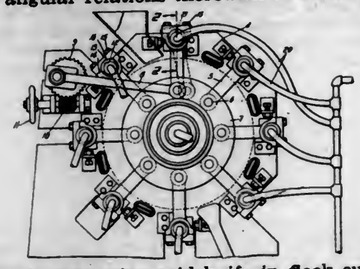
4. In a visible card system, the combination with a frame having guide channels of detachable card hanger mounting supports positioned therein against movement laterally of the frame, flexible elongated transversely extending card hangers slidably engaged to said mounting supports and cards carried by said hangers in pivotal relation thereto, said hangers and cards being laterally displaceable with respect to said frame, and means on each of said hangers in operative association with means on a corresponding one of said supports for retaining said hanger in desired position on said frame.

2,298,291
ALKYL CATECHOL
Walter H. Hartung, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application June 15, 1935, Serial No. 26,776
6 Claims. (Cl. 260—625)

1. The methods of preparing alkyl catechols which comprises demethylating and rearranging guaiacol esters to form catechol alkyl ketones, and then reducing the ketones to alkyl catechols.

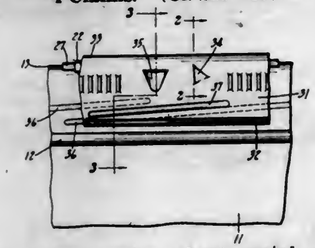
2,298,292
FLOCK CUTTER
Andrew Hauge, Claremont, N. H., assignor to Claremont Waste Manufacturing Company, a corporation of New Hampshire
Application June 8, 1939, Serial No. 278,125
9 Claims. (Cl. 83—6)

1. In a flock cutter, a rotating cutter cylinder, casing means substantially enclosing said cylinder, a knife support located peripherally of said cylinder having a knife projecting into said casing means and cooperating with said cylinder and also having end portions, relatively fixed supporting means for said portions including a portion of said casing, and adjusting means coaxial with said end portions and rotatable into different angular relations therewith to adjust said



support for disposing said knife in flock cutting relation out of contact with said cylinder.

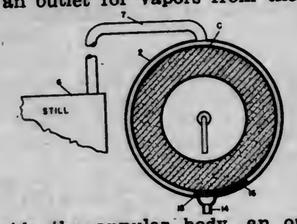
2,298,293
CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 10, 1940, Serial No. 369,482
4 Claims. (Cl. 220—39)



4. An easy opening sheet metal container adapted to be vacuumized, comprising a container body formed with a top ledge defining an opening, a duplex cover for closing and sealing said opening, said cover including an inner sealing disc having a peripheral flange adapted to seat on the body ledge, said cover further including an outer clamping ring having a depending skirt and an annular mounting on the flange of the disc for relative rotation therebetween, sealing material on said flange for engaging said ledge, cooperating screw threads formed respectively in said body and clamping ring for positively moving the latter inwardly and outwardly relative to the container, a plurality of prying blades on said clamping ring and extending inwardly from said skirt, and a plurality of inwardly extending lugs on said clamping ring interposed between said blades, a said lug being located adjacent a said blade with one of said lugs disposed higher on the ring skirt than another of said lugs, said blades and lugs cooperatively breaking the vacuum and lifting said disc from the container ledge and holding it in raised position when said cover is rotated in a reverse direction, a said lug following in the path of movement of its adjacent blade to release and elevate said cover from its closing and sealing position on the container body.

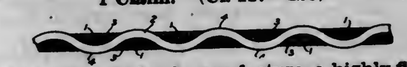
2,298,294
FRACTIONAL DISTILLATION
Everett C. Hughes, Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application November 1, 1940, Serial No. 363,863
6 Claims. (Cl. 261—83)

1. In apparatus of the character described, an annular body porous for vapor and liquid, means for rotating said body, a housing enclosing said body, means for introducing vapors into the housing, an outlet for vapors from the central



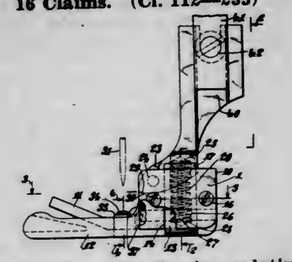
space inside the annular body, an outlet for liquid from the housing near and concentric with the cylindrical periphery of said annular porous body, and means promoting discharge through said outlet.

2,298,295
COATED GLASS FABRIC
Charles S. Hyatt and John C. Lowman, Columbus, Ohio, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio
Application April 8, 1938, Serial No. 200,958
1 Claim. (Cl. 117—126)



As a new article of manufacture, a highly flexible woven glass fabric fibrous sheet coated and impregnated with a plastic composition composed of the heat reaction product of 100 parts oil soluble phenol formaldehyde resin, 312 parts Chinawood oil, and 160 parts bodied linseed oil, and 300 parts titanium dioxide.

2,298,296
PRESSER FOOT
Max Ingwer, Forest Hills, N. Y., assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y., a corporation of New York
Application January 24, 1941, Serial No. 375,714
16 Claims. (Cl. 112—235)

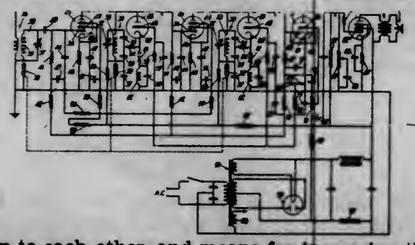


2. A split presser foot having relatively rigid and yielding toes, spaced for passage of the needle, a substantially U-shaped thread guard disposed in the space between said rigid and yielding toes, with the arch of the same bridging said space between the toes and means for supporting said U-shaped guard, so positioned between said toes.

2,298,297
RADIO RECEIVER
Frederick N. Jacob, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application June 22, 1940, Serial No. 341,791
22 Claims. (Cl. 179—171)

1. A selective high frequency resonant system

comprising, in combination, a resonant circuit containing inductance and capacity and having an effective resistance, said circuit being provided with means whereby the inductance and effective resistance may be varied substantially in proportion to each other, and means for increasing the selectivity of said circuit comprising a regenerative tube having its anode coupled to said circuit and a circuit connecting the grid and cathode of said tube and comprising a parallel resonant circuit.



2,298,298

ELECTRICALLY HEATED GARMENT

Milton F. Joy, Green Island, N. Y., and Ernest E. Shepardson, East Providence, R. I., assignors to Colvinex Corporation, New York, N. Y., a corporation of New York

Application October 7, 1941, Serial No. 414,020
7 Claims. (Cl. 219—46)



1. An electrically heated sleeve and hand covering comprising an intermediate sleeve and hand covering section, an inner lining sleeve and hand covering section provided with a thumb pocket, an outer covering sleeve and hand covering section having a thumb pocket similar to the thumb pocket of the inner section, said intermediate section being constructed with double walls to provide a closed protective casing therebetween, and an electric heating unit disposed within said protective casing, the hand covering portion of the intermediate section being formed open at the palm side and being provided at that side with a finger pocket at the lower end thereof, the sections telescoping with each other, the thumb pocket of the inner section projecting through the opening at the palm side of the hand covering portion of the intermediate section and telescoping with the thumb pocket of the outer covering section.

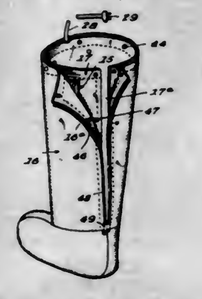
2,298,299

ELECTRICALLY HEATED BOOT

Milton F. Joy, Green Island, N. Y., and Ernest E. Shepardson, East Providence, R. I., assignors to Colvinex Corporation, Cohoes, N. Y., a corporation of New York

Application December 31, 1941, Serial No. 425,222
7 Claims. (Cl. 219—46)

1. An electrically heated boot comprising three separable sections, an intermediate section, an inner lining section, and an outer covering section, the sections each having a leg part and a foot covering part, and telescoping with each other, the intermediate section being constructed with double walls to provide a closed protective casing therebetween, an electric heating unit disposed within said protective casing, said sections each being provided with a vertical slit or opening at the back thereof extending from the top of the same down to approximately the top of its foot part, the vertical slits or openings of the several sections registering with each other to provide a lateral opening for the boot, and means for detachably fastening together opposite side marginal portions of the outer section along its vertical slit or opening.

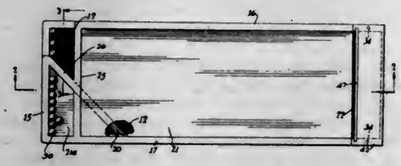


2,298,300

GAME CONSTRUCTION

Michael A. Klemm, South Ozone Park, N. Y.

Application May 6, 1940, Serial No. 333,624
2 Claims. (Cl. 273—118)



1. A game board having a bottom wall inclined upwardly and rearwardly, a front wall, a rear wall and side walls, a table parallel to and disposed above said bottom wall, an inclined member disposed between said bottom wall and table and extending from the front wall to one of the side walls, a portion of the table at the front of the table and on one side of said inclined wall being cut-away to expose a portion of the bottom wall, and a wall on said table interconnecting said side walls and parallel to the front wall, part of the wall on the table being located at an edge formed by the cut away of said table, and a wall interconnecting the front wall and said parallel wall, and rising above said table and located at another edge of said cut away.

2,298,301

LUBRICANT AND METHOD OF LUBRICATING

Amos T. Knutson, Midland, Mich., assignor to The Lubri-Zol Corporation, Wickliffe, Ohio, a corporation of Ohio

No Drawing. Application August 12, 1938, Serial No. 224,490
2 Claims. (Cl. 252—54)

1. A lubricating composition comprising a lubricating mineral oil and from about 0.1% to about 20%, based on the amount of mineral oil, of a halogenated hydro-aromatic ketone having a vapor pressure less than atmospheric at 140° C.

2,298,302

METHOD OF WIDENING FABRIC ON FLAT KNITTING MACHINES

Sterling C. Mack, Bangor, Pa., assignor to Julius Kayser & Co., Brooklyn, N. Y.

Application September 13, 1941, Serial No. 410,705
18 Claims. (Cl. 66—89)



1. The method of making selvedge widened heel sections at the sides of a hosiery blank on a flat knitting machine wherein a plurality of yarns are utilized in repeated sequence for the formation of successive courses, by adding loops onto the sides of said blank, which comprises the steps of: selectively moving each carrier to feed its yarn in repeated sequence to a series of needles equal in number to the number of wale loops in the preceding course; and widening the heel sections at the sides of the blank by moving said carriers over a number of additional needles subsequent to the operation of the sinkers but prior to the operation of the dividers.

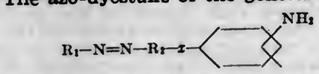
2,298,303

AZO DYESTUFFS

Emil Eduard Misslin and Rudolf Thomann, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application March 15, 1940, Serial No. 324,227. In Switzerland February 10, 1937
13 Claims. (Cl. 260—173)

1. The azo-dyestuffs of the general formula



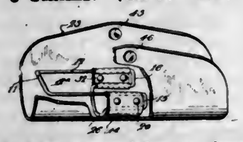
in which R stands for an aromatic radical selected from the group consisting of radicals of the benzene and naphthalene series, R_2 stands for the radical of a coupling component containing at least one amino group, x stands for a linking group which has been formed by the action of a member of the group consisting of COOH and SO_3H linked to the benzene nucleus, on an amino group of the coupling component corresponding to the symbol R_2, in which t stands for a NH_2 group acidylated by an acyl radical containing a diazotizable amino group, which products are more or less dark powders which dissolve in water to yellow, to orange, to red, to violet, to blue and to green solutions which dye the fiber similar tints and which are diazotizable on the fiber and capable of being developed with β-naphthol and 1-phenyl-3-methyl-5-pyrazolone.

2,298,304

KEY HOLDER

Leonidas J. Mitchell, Farmdale, Barboursville District, W. Va.

Application November 7, 1940, Serial No. 364,684
5 Claims. (Cl. 70—456)



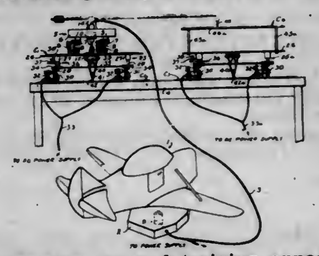
1. A key holder comprising a piece of resilient wire bent intermediate the ends thereof into a plurality of U-shaped members, and a strip of flat metal curved to form a U-shaped saddle to support the free ends of keys, the ends of the arms of the saddle being bent upon said arms to engage around the legs of a pair of the first-mentioned U-shaped members, the free ends of the wire being located in overlapping relation and adapted to be separated to receive keys.

2,298,305

RECORDING APPARATUS FOR USE WITH AVIATION GROUND TRAINERS

Carl W. Muller, Osborn, Ohio

Application December 8, 1941, Serial No. 422,098
20 Claims. (Cl. 35—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



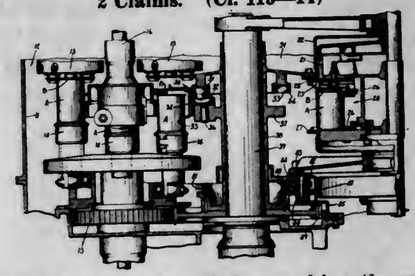
1. In aviation ground training apparatus of the character described, a first record chart, a course recorder directionally controlled by the associated ground trainer for tracing the simulated air path of the assumed flight of an aircraft on said chart, a first carriage adapted to move relative to a supporting surface in a direction and at a velocity corresponding to the direction and proportional to the velocity of an assumed wind, said first carriage serving as a means to physically displace said course recorder and said chart in the direction of the assumed wind, a second carriage movable in a direction and at a velocity equivalent in direction and proportional the the velocity of an assumed moving base, a chart on said second carriage having a point thereon representing said moving base, and tracing means carried by said course recorder and adapted to trace a record on the chart carried by said second carriage representing the course of the assumed flight of said aircraft relative to the point on said chart representing the moving base.

2,298,306

VACUUM CAN CLOSING MACHINE

Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application May 9, 1939, Serial No. 272,703
2 Claims. (Cl. 113—14)



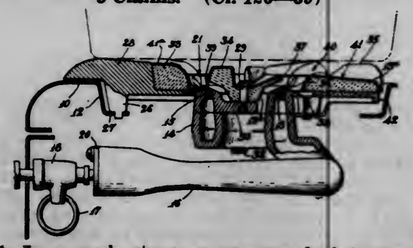
1. In a vacuum can closing machine, the combination of a housing enclosing a vacuum chamber, a rotatable valve for introducing cans and covers in spaced vertical relation into said chamber, a can sealing device in said chamber includ-

ing means for moving the cans at a speed in excess of the speed of rotation of said valve for sealing the covers onto said cans after the latter have been vacuumized, a rotary can and cover transfer device disposed in said chamber between said valve and said sealing device, said transfer device maintaining the can and cover in spaced vertical relation and having means for receiving the can and cover from said valve while moving at the valve speed and for gradually accelerating the speed of travel of the can and cover to the speed of the can moving means of the sealing device while the can is being vacuumized.

2,298,307
TOP STRUCTURE FOR GASEOUS FUEL COOK STOVES

Claude E. Parker, Chicago, Ill., assignor to Gas Products Corporation, Chicago, Ill., a corporation of Illinois

Application March 20, 1940, Serial No. 324,901
5 Claims. (Cl. 126—39)

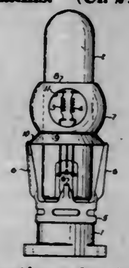


1. In a cook stove, a gaseous fuel burner, a main top plate, a drip pan supported from said top plate below the plane thereof, and a hearth comprising an upright annular member interposed between the burner and said drip pan and a top ring extending outwardly from the upper end of said member and overlying the drip pan, means for supporting said hearth with said top ring substantially in the plane of the main top plate, and means for supporting a cooking utensil with its bottom walls spaced a short distance above the top ring, said top ring being spaced from the main top plate to form an air passage between them, and said drip pan having an air inlet opening at the inner edge thereof for the passage of air upwardly and outwardly between the drip pan and the top ring.

2,298,308
LIGHT PROJECTOR FOR MOTION PICTURES AND THE LIKE

Scott Parish, Cleveland, Ohio, assignor to All-Around Reflector Co., Cleveland, Ohio, a corporation of Ohio

Application February 4, 1939, Serial No. 254,681
4 Claims. (Cl. 240—47)

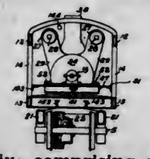


1. The combination of a tubular bulb having a light source disposed therein, and a member having a portion in the form of a hollow spherical reflector having spaced openings through which said bulb extends and a third opening having an axis normal to that of said first-named openings, said reflector portion adapted to reflect rays from said light source through said third opening.

2,298,309
LOCOMOTIVE

James L. Ray, Elm Grove, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application February 19, 1940, Serial No. 319,581
22 Claims. (Cl. 105—35)

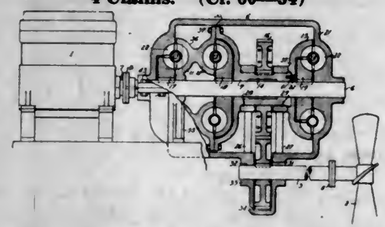


1. A locomotive comprising a wheel supported main frame, a power plant operable to propel the locomotive and including a continuous combustion power system having a gas turbine, a compressor disposed in axial alinement with respect to said turbine, a pair of elongated combustion chambers disposed alongside of said turbine and compressor and extending in spaced and approximately parallel relation with respect to each other and with respect to the axis of the turbine and compressor, means connecting the compressor ends of said combustion chambers in parallel flow relation with respect to the discharge from said compressor, means connecting the turbine ends of said combustion chambers in parallel flow relation with respect to the inlet to said turbine, and means supporting said power system on said main frame with said combustion chambers symmetrically arranged with respect to a vertical plane including the longitudinal axis of the locomotive.

2,298,310
HYDRAULIC DRIVE

James L. Ray, Elm Grove, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application April 20, 1940, Serial No. 330,711
4 Claims. (Cl. 60—54)

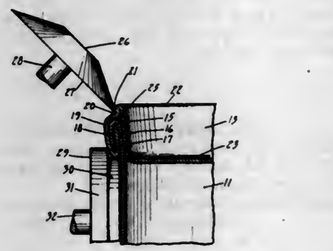


1. A hydraulic transmission for selectively rotating an element to be driven thereby in opposite directions comprising a rotatable power transmitting shaft, a tubular power transmitting member mounted on said shaft for rotation relative thereto and having an enlarged intermediate portion forming a chamber which surrounds said shaft, said tubular member having an annular series of blades on the interior of a portion of the wall of said enlarged portion and having an annular series of blades at each end thereof, an annular series of blades carried by the portion of said shaft within said chamber and by each portion of said shaft immediately adjacent the ends of said tubular member, a stationary casing enclosing said tubular member and the portions of said shaft immediately adjacent the ends of the said tubular member, an annular series of blades on each interior end portion of said casing adjacent the annular series of blades on the proximate end of said tubular member and on the proximate portion of said shaft, said annular series of blades being arranged to coact and form a pair of axially spaced torque converting units and an intermediate coupling unit each of which is operable to establish a fluid drive between said shaft and said tubular member, and said blades which coact to form said pair of torque converting units being so constructed and arranged that the fluid impelled element of one unit of said pair rotates in an opposite direction with respect to the fluid impelled element of the other unit of said pair.

2,298,311
CONTAINER

Garland W. Reese, Chappaqua, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application December 30, 1939, Serial No. 311,873
1 Claim. (Cl. 220—48)



A sanitary sheet metal food container adapted to be opened by a rotary cutting tool without contacting the contents, comprising a container body having an end flange, and an end closure also having a flange, said flanges being interlocked to produce an end double seam for securing said end closure to said body, said end seam comprising five closely contacting layers of metal, the innermost layer consisting of an inner body engaging wall and the outermost layer consisting of a depending flange portion of the end closure, and a gasket material interposed between said innermost and outermost layers, said innermost and outermost layers being projected axially beyond the intermediate layers in a reversely folded closely contacting pinched rim of double thickness at the outer extremity of the seam to provide a reenforced solid backing for a cutting tool, said outermost layer being bent inwardly at substantially right angles to the said innermost layer and over the intermediate layers to provide with the base of said rim a comparatively wide shoulder constituting a definite annular track for a rotary cutting tool to follow without slipping off, a cavity formed above said intermediate layers between said shoulder and said innermost layer for receiving the cutting edge of said tool, a portion of said gasket material being confined in said cavity, whereby said end closure may be severed from the body while the container contents are shielded from said cutter and any cut container parts.

2,298,312
METHOD OF PHOSPHATE COATING FERROUS METAL SURFACES

Gerald C. Romig, Melrose Park, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

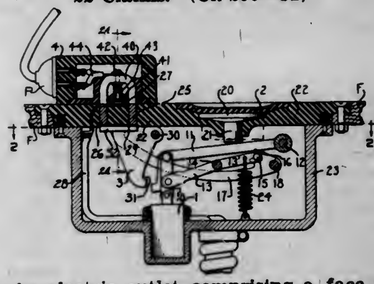
No Drawing. Application August 3, 1940, Serial No. 351,131
8 Claims. (Cl. 148—6.5)

1. In the art of coating ferrous metal surfaces with a water-insoluble phosphate by treating them with an acid zinc phosphate solution, the method which includes cleaning the surface preparatory to the coating step by washing it with an alkaline cleaner in which is emulsified a solvent oil chosen from the class consisting of dead oil, anthracene oil, creosote oil, pine oil and high flash coal tar naphtha; rinsing the surface, and then treating it with the coating solution.

2,298,313
CONTROLLABLE FLUSH ELECTRIC OUTLET

Donald S. Ross, Moclips, Wash.

Application March 1, 1941, Serial No. 381,329
22 Claims. (Cl. 200—51)

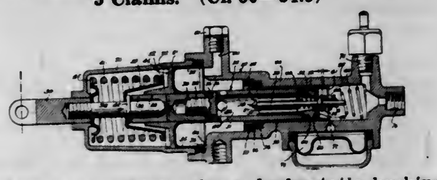


1. An electric outlet comprising a face plate, supply wires behind said face plate for connection to a power source, an outlet block positioned over said face plate and carrying distribution wires adapted for connection to a power load, means for transmitting power from said supply wires to said distribution wires, means behind the face plate constituting a normally open electric switch, and when closed energizing said power transmitting means, and switch operating means behind the face plate movable to close said switch and including a diaphragm in inoperative position substantially flush with the outer surface of said face plate and movable to close said switch.

2,298,314
AUTOMATIC FLUID CONTROL FOR HYDROSTATIC SYSTEMS

Claude Sauzedde, Detroit, Mich., assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich., a corporation of Michigan

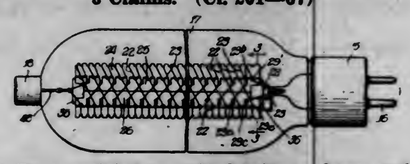
Application September 18, 1939, Serial No. 295,471
5 Claims. (Cl. 60—54.6)



1. In a compressor for a hydrostatic braking system, a cylinder, a hollow piston carried within said cylinder and reciprocable relatively thereto, said piston having valve seating means at its

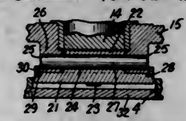
front end, a hollow valve support carried by and coaxially arranged with respect to said piston for movement therewith and having a front end portion residing behind said valve seating means, a valve carried by and coaxially arranged with respect to said support for movement relatively to said piston and having a head arranged ahead of said valve seating means and cooperable therewith, a spring arranged between said front end portion of said support and the opposing side of said head and active for urging said valve in one direction, and a spring arranged on the opposite side of said head and active for urging said valve in the opposite direction.

2,298,315
DUMMY ANTENNA RESISTOR
David T. Siegel, Wheaton, and Herbert E. Lense, Lombard, Ill.; said Lense assignor to said Siegel
Application May 27, 1940, Serial No. 337,440
3 Claims. (Cl. 201—67)



2. In a resistance unit, having a base and a sealed glass envelope, the combination of a reel supported within the envelope, said reel comprising a plurality of strips of dielectric material having notched edges and providing radial wings, the notches on two adjacent wings being alternately deep and shallow and two resistance wires on said reel wound in opposite directions, alternate wires occupying successive deep and shallow notches whereby at the point where said wires cross each other they lie in different planes.

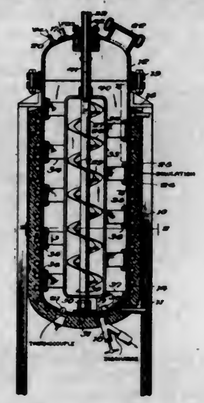
2,298,316
OVERLOAD RELEASE DEVICE
Leon E. Simmons, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application July 10, 1941, Serial No. 401,700
14 Claims. (Cl. 64—28)



13. In a device of the character described, a drive shaft element, a cap element secured to said shaft element, one of said elements having a slot and the other element having a lug received in said slot, said lug having an opening, a driven member having an opening alined with said projection-opening, and a replaceable shear element received in said openings.

2,298,317
MANUFACTURE OF LUBRICATING GREASES
Herschel G. Smith, Wallingford, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corportion of Pennsylvania
Application August 27, 1940, Serial No. 354,435
28 Claims. (Cl. 252—32)

28. In the manufacture of improved lubricating greases substantially free of occluded gases and vapors, the improvement which comprises agitating a grease mixture including a lubricating oil and a soap in a kettle closed to the atmosphere under a vacuum sufficient to prevent the trapping and occluding of gases and vapors during the agitation, the agitated grease mixture being continuously circulated and exposed to a vacuum equivalent to at least five inches of mercury below atmospheric pressure and the agitation and vacuum being so controlled and adjusted relative to each other as to produce a grease having a uniform continuous gel structure free from occluded air and other undesirable gases and vapors.

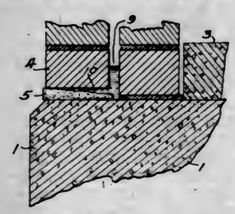


2,298,318
SURFACING APPARATUS
Herbert R. Stratford, Cleveland, Ohio, assignor to The Stratmore Company, Wilmington, Del., a corporation of Delaware
Application March 20, 1940, Serial No. 324,988
5 Claims. (Cl. 51—195)



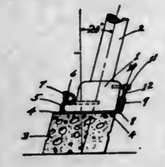
2. Surfacing apparatus comprising a thin, flexible abrasive disk of metal, said disk having a smoothly rounded upturned edge at the periphery thereof.

2,298,319
BUILDING CONSTRUCTION
Oscar Vatet, Pleasantville, N. Y.
Application July 8, 1941, Serial No. 401,550
6 Claims. (Cl. 72—127)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



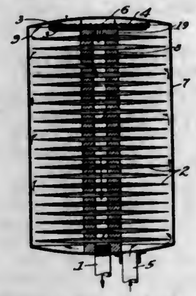
1. A cavity wall construction having near the base thereof a plurality of porous members extending from the exterior of said wall to within the cavity thereof, said porous member consisting of a porous substance, which dissolves and disintegrates immediately upon contact with water.

2,298,320
MOP
Sidney P. Vaughn, Ackerman, Miss.
Application July 12, 1940, Serial No. 345,071
7 Claims. (Cl. 15—244)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



7. A cleaning element comprising a block of sponge, a flexible backing secured thereto, a tube formed in the flexible backing inside the marginal edge of said flexible backing, and means for securing the tubular portion of the flexible backing to a holding member.

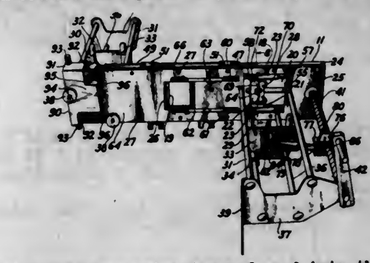
2,298,321
FILTER
Donald H. Wells, Glen Ellyn, Ill.
Application November 4, 1937, Serial No. 172,812
2 Claims. (Cl. 210—150.5)



1. A filter comprising a shell having an oil inlet and outlet, filter media disposed in said shell in the path of liquid travel between said inlet and outlet, said filter media being of the surface filtration type, and means for constantly bypassing at a higher rate of flow, the major portion of the unfiltered oil delivered to the shell than that of the oil passing through said media and the cake formed thereon in order to utilize the heat of the by-passed oil to control the viscosity of the oil advanced through said filtering media.

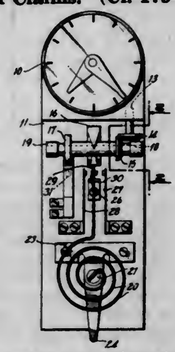
2,298,322
SLIDE CHANGING DEVICE
Raymond W. Wengel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 3, 1940, Serial No. 333,180
19 Claims. (Cl. 88—28)

1. A slide changing device comprising, in combination, an apertured plate, a slide supply magazine and a slide take-up magazine secured to the opposite ends of said plate, means slidably mounted on said plate for moving said slides into and out of registry with said aperture, control means for said moving means, a slide follower mounted in and arranged for movement along said supply magazine for substantially the full length thereof, and means operatively connecting said control means to said follower to progressively move the latter along said supply magazine and toward said plate to positively feed slides in



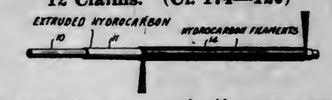
said supply magazine toward and into the path of said moving means.

2,298,323
THERMOSTATIC CONTROL DEVICE
John N. Wheeler, Hawthorne, N. Y.
Application January 30, 1941, Serial No. 376,629
11 Claims. (Cl. 175—320)



1. A thermostat for determining the operation of a control circuit in accordance with temperature conditions, comprising a bi-metallic strip, a rigid support for one end of said strip leaving the other end free for movement toward or away from a circuit operating position in response to temperature changes, a rotatable cam with a V-shaped leading edge, continuously operating drive means for rotating said cam causing said edge to be extended periodically into the path of the strip so as to sense the relative position of said strip with respect to a predetermined point along said path representative of the desired temperature and move the strip positively into circuit operating position according to the relative position of said strip at the sensing time.

2,298,324
ELECTRICAL CONDUCTOR
Robert R. Williams, Roselle, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 29, 1934, Serial No. 746,026
12 Claims. (Cl. 174—120)



5. A cable for communication purposes, comprising a flexible insulating sleeve, a flexible electric conductor enclosed in said sleeve, the latter consisting of a pure polymerization product of a

substituted benzene, in which each substitute radical comprises a vinyl group, said polymerization product being an unplasticized, synthetic, organic product which is homogeneous, isotropic, and substantially non-hygroscopic, and free from hydroxyl groups.

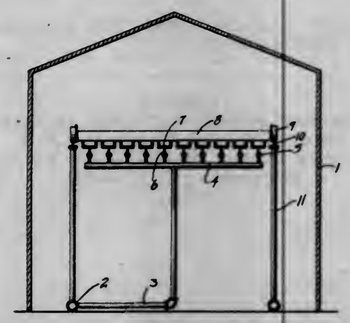
2,298,325

SYSTEM FOR MAKING CARBON BLACK

Ira Williams, Borger, Tex., assignor to J. M. Huber Corporation, Borger, Tex., a corporation of Delaware

Application October 3, 1939, Serial No. 297,638

3 Claims. (Cl. 23—259.5)



1. In an apparatus for the production of carbon black comprising a surface for receiving carbon black deposited by burning sour gas, a burner comprising burner tips adjacent said surface, a gas distributing system comprising conduits for distributing sour gas to said burner tips and a common enclosure for said surface, burner and gas distributing system, the improvement which consists in that the surfaces of the gas distributing system are composed principally of aluminum.

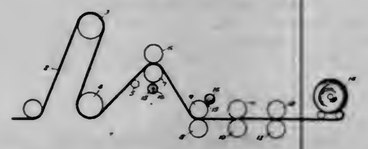
2,298,326

VIBRATION AND SOUND DAMPING MATERIAL

Erwin A. Worm, Jr., Oswego, N. Y., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Original application August 3, 1937, Serial No. 157,161. Divided and this application January 31, 1939, Serial No. 253,738

5 Claims. (Cl. 154—44)



1. A vibration dampening material for application to vibratile metal sound producing and transmitting surfaces comprising a felted, fibrous, water-laid web having impregnating medium disposed within the body thereof but not completely saturating the same, said impregnating medium serving to stiffen and strengthen the web, said web exhibiting a substantially symmetrical flexibility in directions parallel and normal to its length and having expanded opposite surfaces, the expanded opposite surfaces of the web containing inwardly extending, artificially formed pores over substantially their entire areas.

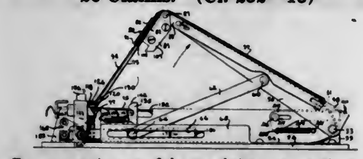
2,298,327

COUNTERPACK REGISTER

Clayton E. Wyrick, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio

Application November 12, 1940, Serial No. 365,195

26 Claims. (Cl. 282—18)



7. In an autographic register, a casing, means for storing a pack of paper webs in said casing, a movable table associated with said casing and adapted to support said paper webs for writing thereon, means associated with said writing table comprising carbon sheets which are arranged to be interleaved between said paper webs while supported on said table, means associated with said table for dividing the paper webs into the web forms which are to be ejected from the register and record copy sheets, and means for pinning the record copy sheets onto a storage rack disposed in said casing, said record copy paper storing being effected by the return of said table to said casing.

2,298,328

WATERMELON JUICE AND PROCESS FOR PREPARING SAME

Ernest Stanley Yawger, Jr., Philadelphia, Pa., assignor to Crown Can Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application March 26, 1940, Serial No. 326,067

1 Claim. (Cl. 99—155)

The process of preparing commercially sterile watermelon pulp-in-juice suspension from the red pulp of the watermelon, which comprises removing the red pulp from the watermelon, crushing the same to a liquid, having approximately .06% to .27% of fine red pulp solids in suspension in the juice, adding a weak organic acid in quantity of about .2% to .4% to the pulp-in-juice suspension to bring the pH thereof at least as low as substantially pH 4.0 but not as low as pH 3.0, and sterilizing the pulp-in-juice suspension at a temperature between substantially 190° F. and 212° F., whereby a final product is obtained, having the natural red color, flavor and aroma of ripe watermelon, and in which there is no appreciable setting out of the pulp solids from the liquid.

2,298,329

REEL MOUNTING

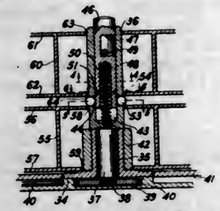
Gustave F. Aldinger, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 15, 1940, Serial No. 365,776

4 Claims. (Cl. 242—70)

1. A reel mounting comprising a spindle member adapted to support a reel thereon and provided with an axial bore and a transverse hole restricted at the outer surface of said spindle member, a ball member within said hole, and a cylindrical plunger movable to at least two positions within said spindle member and making a sliding fit with the wall of the bore therein, having a surface parallel to the direction of plunger movement and adapted in one position of said plunger positively to hold said ball member in a

protruding position to engage a reel, and provided with a recess which in another position of



said plunger is opposite said ball member to permit it to recede into said spindle member for reel removal.

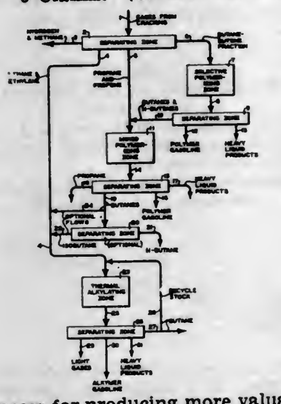
2,298,330

TREATMENT OF HYDROCARBONS

Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application October 23, 1940, Serial No. 362,339

6 Claims. (Cl. 196—10)



5. A process for producing more valuable products from a hydrocarbon mixture containing olefins and paraffins of 2, 3 and 4 carbon atoms to the molecule, which comprises fractionating the mixture to separate therefrom a C_2 fraction, a C_3 fraction and a C_4 fraction, subjecting the C_4 fraction to selective polymerization to polymerize isobutene, commingling unpolymerized normal butenes and butanes from the last-mentioned step with said C_3 fraction and subjecting the resultant mixture to polymerization to polymerize normal butenes and propene, separating from the residual gaseous products of the last-named polymerization a C_4 fraction containing isobutane and commingling the same with said C_2 fraction, and subjecting the mixture thus formed to alkylation to react ethylene with isobutane.

2,298,331

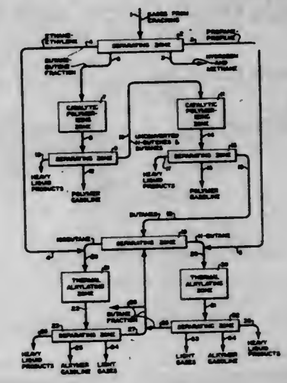
TREATMENT OF HYDROCARBONS

Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application October 23, 1940, Serial No. 362,340

3 Claims. (Cl. 196—10)

1. A process for producing more valuable products from a hydrocarbon mixture containing olefins and paraffins of 2, 3 and 4 carbon atoms to the molecule, which comprises fractionating the mixture to separate therefrom a C_2 fraction, a C_3 fraction and a C_4 fraction, subjecting the C_4 fraction to butene polymerizing conditions and separating resultant butene polymers from residual butanes, separating the latter into an isobutane fraction and a normal butane fraction, commingling the isobutane fraction with said C_2



fraction and subjecting the mixture to alkylation to react ethylene with isobutane, commingling said normal butane fraction with said C_3 fraction and subjecting the mixture thus formed to independent alkylation treatment to react normal butane with propene.

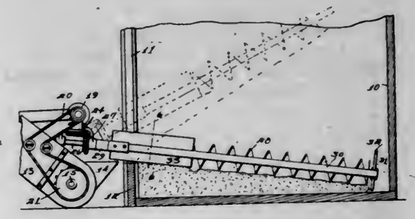
2,298,332

GRAIN REMOVING DEVICE

Lester J. Applegate, Gilmore City, Iowa

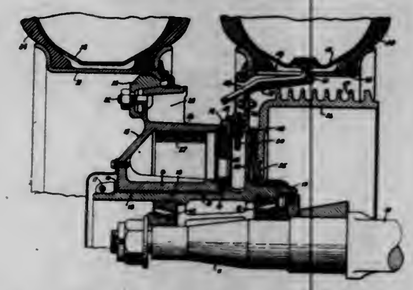
Application February 17, 1941, Serial No. 379,231

2 Claims. (Cl. 198—213)



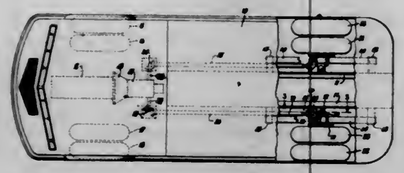
1. A device for removing grain from storage bins, comprising a supporting frame, a conveyor frame pivotally connected to the supporting frame for universal movement and including two parallel bars having outwardly extended flanges and an outer end member for supporting the conveyor frame upon a floor, a screw conveyor rotatably mounted in the conveyor frame between said bars and having its lower portion extended below said bars and its outer end portion above the lower portion of said outer end member, means for rotating the screw conveyor, a chute member fixed to the conveyor frame and surrounding the lower portion of the conveyor and open at its top and being extended from the inner end portion of the conveyor towards the outer end of the conveyor and being of a length substantially less than that of the conveyor portion beyond the chute, and a detachable chute member substantially semi-circular in cross section inserted between said bars and the chute and engaging and supported by said bars and extended from said first mentioned chute to the outer end portion of the conveyor.

2,298,333
VALVE STEM LOCATOR
Charles S. Ash, Milford, and Louis A. Larsen, Detroit, Mich.; said Larsen assignor to Differential Wheel Corporation, New York, N. Y., a corporation of Delaware
Application February 15, 1940, Serial No. 319,068
6 Claims. (Cl. 301—5)



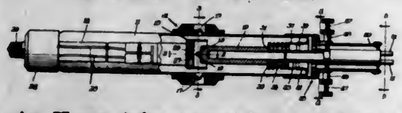
1. In combination with a pneumatically-tired motor vehicle wheel having a brake drum attached to the wheel and a tire mounting rim on the wheel apertured to receive a tire valve stem and a valve stem projecting radially inward and then laterally of the wheel between the rim and brake drum, a supporting and heat insulating member detachably connected to the wheel and positioned between the valve stem and brake drum, contacting with the valve stem at a plurality of points to locate the valve stem, hold it out of contact with the brake drum and increase the heat radiating area between the valve stem and brake drum.

2,298,334
AUTOMOTIVE VEHICLE
Charles S. Ash, Milford, Mich.
Application April 1, 1940, Serial No. 327,094
2 Claims. (Cl. 180—22)



1. In a motor vehicle, a pair of dual wheels, a relatively short axle, a driving member rotatable about the axle and on which the wheels are supported in spaced-apart relation for relative rotation, differential gearing interconnecting the wheels and driving member for driving the wheels from the driving member, a brake member attached to the driving member, means for driving the brake member to drive the driving member and wheels, and means for connecting the axle to a vehicle at the inner end of the axle including a vertical guide for the axle, a leaf spring extending at right angles to the axle between the vertical guide and wheels and connecting the axle and vehicle and resisting vertical movement of the axle and a radius rod extending at right angles to the axle and interconnecting the axle and vehicle whereby only vertical movement of the axle is permitted.

2,298,335
MULTIPLE TARGET ANODE
Zed J. Atlee, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application September 10, 1940, Serial No. 356,157
6 Claims. (Cl. 250—144)



1. An X-ray tube comprising a cathode and an anode, said cathode comprising an elongated electron-emitting filament disposed in position to emit an electron beam of elongated sectional shape toward said anode, said anode being adjustable laterally of said filament whereby to cause impingement of said electron beam upon a selected one of several adjacent elongated target zones in said anode, said zones comprising target material of unlike character whereby resulting X-rays of a desired character corresponding with the target material of the selected zone may be produced.

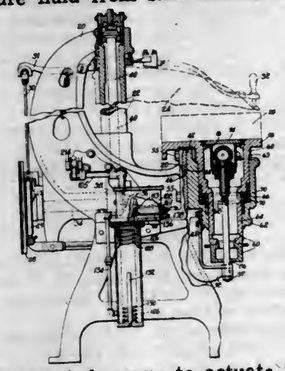
2,298,336
HOT CATHODE GLOW DISCHARGE LAMP UNIT
Maynard A. Babb, North Bergen, N. J., assignor to Duro Test Corporation, North Bergen, N. J., a corporation of New York
Application January 28, 1939, Serial No. 253,254
8 Claims. (Cl. 176—124)



1. A hot cathode glow discharge unit adapted to be plugged in a socket on the conventional house lighting circuit comprising an electromagnetic control unit, a casing therefor having a plug at one end adapted for mounting in a conventional electric outlet, a bayonet socket at the other end having an insulating base, two pairs of contacts extending through said base, automatic electro-magnetic control means in said case, and connected to the terminals of said plug and to said two pairs of terminals, and a tubular hot cathode glow discharge lamp having a bayonet plug end for coaction with said bayonet socket, hot cathodes at opposite ends of said tube, the terminals of said two cathodes being connected to corresponding pairs of terminals in the bayonet plug end of said lamp.

2,298,337
PRESS
Milton H. Ballard and Frank E. Stratton, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 30, 1941, Serial No. 400,396
15 Claims. (Cl. 164—23)

10. In a press, the combination with a work support and movable means for applying pressure to a workpiece on said support, of fluid-operated means for moving the work support into its operative position, means responsive to movement of said pressure applying means for supplying pressure fluid, means for storing said pressure fluid, and a valve for controlling the flow of the pressure fluid from said storing means to



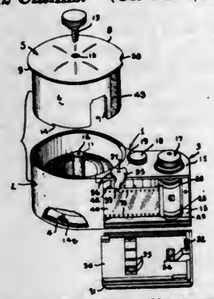
said fluid-operated means to actuate the fluid-operated means.

2,298,338
REPLACEMENT WASHER
Emmet A. Berkery, Marlboro, N. Y.
Application March 21, 1941, Serial No. 384,571
5 Claims. (Cl. 251—160)



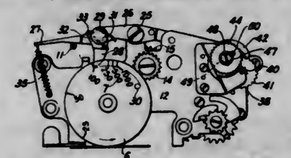
1. A replacement washer for water faucets comprising a yieldable body portion and a substantially U-shaped mounting bracket having vertically spaced horizontal arms, the lower one of which is secured to the upper face of said body portion, there being a central opening formed in the upper arm to accommodate a ball mounting, and a slot extending from the free end of said arm and communicating with said central opening.

2,298,339
FILM WINDER
Walter W. Boes, Dayton, Ohio
Application October 2, 1940, Serial No. 359,419
12 Claims. (Cl. 242—55)



1. A photographic film-dispensing apparatus comprising a casing formed of two compartments, one of said compartments being adapted to contain a roll of film and the other being adapted to contain a cartridge for receiving predetermined lengths of said film, an opening from one compartment to the other to permit the film to be moved from said roll to said cartridge, a movable light barrier for said opening, said cartridge-receiving compartment having an opening through which the cartridge may be inserted therein, a removable cover for the last-mentioned opening, a latch for said cover, and means for preventing operation of said latch when the light barrier is in a position to expose the opening in the film-roll-receiving compartment.

2,298,340
RETARD FOR FOCAL PLANE SHUTTERS
Elmer R. Bradford, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 3, 1940, Serial No. 368,359
7 Claims. (Cl. 95—57)



1. In a retard for focal plane shutters of the type including two curtains, the first curtain of which may be released in advance of the second curtain to make an exposure between the ends of the curtains, the combination with the second curtain roller, of a disk mounted to move therewith, an abutment carried by the disk, a gear train retard comprising a plurality of gears with intermeshing teeth, a gear segment meshing with one of said gears and including a pivoted rocker arm, a pivoted latch carried by the pivoted arm and movable with the arm and into the path of the abutment carried by the disk, whereby when said disk moves in one direction it may move the rocker arm and when said disk moves in an opposite direction it may turn the latch without moving the rocker arm, a spring tending to turn one gear of the gear train in one direction and adapted to be wound up when the rocker arm is moved in one direction through contact of the disk abutment and the rocker arm latch whereby said spring may take up play between the teeth of the gears of the gear train and may tend to return the rocker arm to a rest position.

2,298,341
MOTOR VEHICLE PERISCOPE
Dyron L. Brinkley, Rodessa, La.
Application November 14, 1940, Serial No. 365.700
1 Claim. (Cl. 88—70)



In a device of the character described, a conduit mounted in an automobile body close to the roof thereof and including a longitudinally extending portion and a rightangularly disposed portion opening outwardly through one side of the body adjacent the rear end of said body, said longitudinally extending portion opening outwardly in the body forwardly of the driver's sitting position and including an inclined front wall, mirrors mounted on said front wall and following the inclination thereof, a mirror located in the conduit at the junctures of the longitudinally extending portion and the rightangularly disposed portion, a pair of mirrors located in the end of the rightangularly disposed portion, and supported in an upright position with the outer edges of the mirrors projecting outwardly from

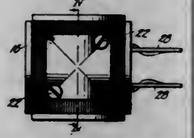
the open ends of the conduit, said pair of mirrors being arranged in converging relation and spaced a selected distance apart for reflecting objects rearwardly and forwardly at the side of the body into the second-named mirror for reflection into the first-named mirror, said second named mirror being in the path of images reflected from the pair of converging mirrors and also in the path of images entering directly into the end of the conduit between said pair of mirrors and permitting the second-named mirror to reflect all of said objects into the first-named mirrors, said first-named mirrors having divisional lines for separating the objects reflected therein by the second and third-named mirrors.

2,298,342

ELECTRICAL PLUG AND RECEPTACLE

Emile P. Brus, Kansas City, Mo., assignor to Sta-Tite Plug Corporation, Kansas City, Mo., a corporation of Missouri

Application July 22, 1940, Serial No. 346,779
2 Claims. (Cl. 173—334)



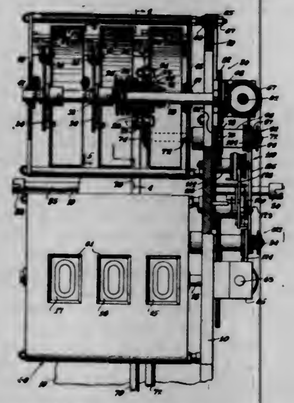
1. In a device of the character described, a split body of insulating material comprising mating sections, each section having a cavity extending inwardly from one side thereof, a pair of spaced apart contact blades in each cavity, a prong rigid with each of said pairs of blades, means for securing said sections together with the cavities in registering relation, and a resilient partition between said pairs of contact blades to urge a blade of each pair toward its corrsponding blade when a prong of an extension is inserted therebetween.

2,298,343

RESETTING MECHANISM FOR COUNTING DEVICES

Kenly C. Bugg, Farmington, Mo., assignor to Neptune Meter Company, a corporation of New Jersey

Application August 16, 1939, Serial No. 290,402
10 Claims. (Cl. 235—144)



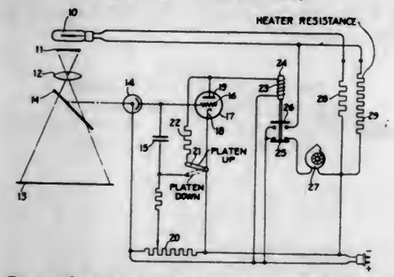
1. The combination with a counter and a shaft operable to drive said counter in opposite directions to perform counting and resetting operations; of driving means for actuating said shaft in a counting direction, resetting means for actuating said shaft in a resetting direction, means operative upon initiation of a resetting operation to hold said driving means against movement and release said shaft for movement independently of said driving means, and means operative after the counter reaches zero position to disconnect said holding means and to connect said driving means and said shaft.

2,298,344

PHOTOGRAPHIC PRINTING APPARATUS

Bradshaw Burnham, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application March 22, 1941, Serial No. 384,723
6 Claims. (Cl. 88—24)



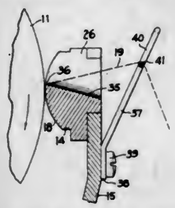
1. In a photographic printer in which an exposure interval is terminated under the control of a photoelectric system whose sensitivity includes wavelengths of light longer than the actinic wavelengths, an incandescent lamp, means for energizing the lamp to initiate an exposure interval, and means in circuit with the lamp for limiting the initial current surge so as to prolong the time required for the lamp to come to equilibrium temperature, whereby the photoelectric system is energized proportionally greater than the printing material.

2,298,345

YARN WINDING MACHINE

Henry R. Childs, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 31, 1940, Serial No. 363,620
9 Claims. (Cl. 242—18)



1. In a yarn winding apparatus, the combination with a rotating winding cone on which may be wound in successive convolutions, of a traverse guide assembly mounted to reciprocate longitudinally of said cone to guide said yarn thereon, and a curved surface of small radius formed on said assembly to provide a substantially point support for said yarn adjacent the point of application of said yarn on said cone.

2,298,346

TREATMENT OF HYDROCARBON OILS

Ben B. Corson and George S. Monroe, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application October 30, 1939, Serial No. 301,948
1 Claim. (Cl. 196—24)

A catalytic hydrogenation process for effecting substantial desulfurization of a gasoline containing both olefinic hydrocarbons and sulfur compounds and hydrogenation of said olefinic hydrocarbons to an extent not materially reducing the anti-knock value of said gasoline, said process comprising subjecting vapors of said gasoline to contact with a nickel sulfide catalyst in the presence of an amount of hydrogen approximately four times that required for complete hydrogenation of said olefinic hydrocarbons and said removal of sulfur and at a temperature of approximately 350° C. under a hydrogen pressure of approximately 900 lbs. per square inch and at a liquid-space velocity of not less than one and not more than two.

2,298,347

TREATMENT OF HYDROCARBON OILS

Ben B. Corson and George S. Monroe, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application October 30, 1939, Serial No. 301,949
1 Claim. (Cl. 196—24)

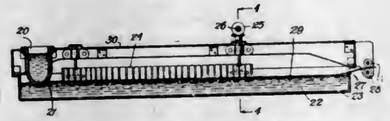
A catalytic hydrogenation process for effecting substantial desulfurization of a gasoline containing both olefinic hydrocarbons and sulfur compounds and hydrogenation of olefinic hydrocarbons to an extent not materially reducing the anti-knock value of said gasoline, said process comprising subjecting vapors of said gasoline to contact with a heavy metal sulfide in the presence of an amount of hydrogen approximately four times that required for complete hydrogenation of said olefinic hydrocarbons and said removal of sulfur and at a temperature of approximately 350° C., under a hydrogen pressure of approximately 900 pounds per square inch and at a liquid-space velocity of not less than one and not more than two.

2,298,348

FORMATION OF METAL SHAPES

Charles D. Coxe, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware

Application May 11, 1940, Serial No. 334,537
12 Claims. (Cl. 22—57.2)



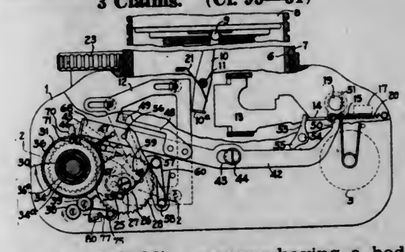
1. In the continuous manufacture of metal sheets directly from molten metal, the process comprising the steps of providing a bath of molten metal substantially immiscible with and having a lower melting point and different specific gravity than the metal to be formed into sheets; spreading a sheet of the molten metal into contact with the molten bath whereby a sheet of the molten metal to be shaped will freeze at the interface of the metals; and then continuously removing the frozen metal sheet from the bath.

2,298,349

SAFETY LATCH FOR CAMERA MECHANISM

Chester W. Crumrine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 23, 1941, Serial No. 375,653
3 Claims. (Cl. 95—31)



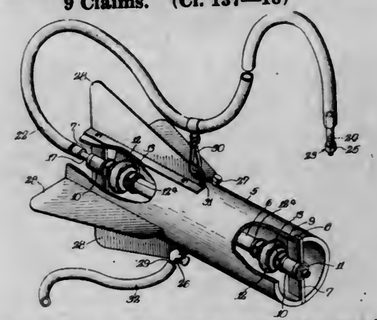
1. In a roll-holding camera having a body, a shutter and a separable back, and provided with double-exposure prevention means comprising interacting film advancing and shutter operating mechanisms, the combination of a comparatively deep recess in the camera body and a projection on the camera-back adapted to enter thereinto, a latch adapted to engage a part of said mechanisms, a portion of said latch extending into said recess and inaccessible to manual interference, said latch being arranged to automatically engage and lock said mechanisms when the camera-back is opened away from the camera body, the projection on the camera-back also being adapted to move the latch and thereby to free said mechanisms when the camera-back is closed.

2,298,350

LIQUID SAMPLING DEVICE

Charles E. Davidson, Jr., Lincoln, Nebr.

Application November 20, 1939, Serial No. 305,231
9 Claims. (Cl. 137—18)



1. A liquid sampling device comprising an elongated tubular casing normally open at its opposite ends, inflatable and deflatable members mounted in the opposite ends of said casing for opening and closing the same, means maintaining said members in substantially concentric relation with said casing, means through which fluid pressure is applied to said members to inflate the same, and means for exhausting fluid pressure from said members to deflate the same.

2,298,351

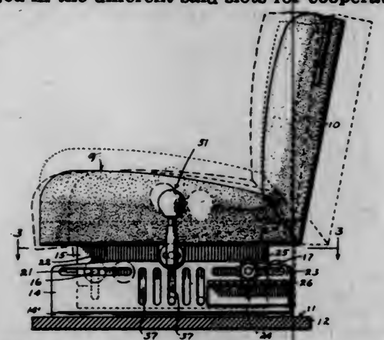
ADJUSTABLE SEAT SUPPORT

John P. De Rose, Albany, Calif.

Application June 28, 1940, Serial No. 342,997
8 Claims. (Cl. 155—14)

1. In combination with a seat, a seat-support-

ing means comprising a plate member supported in upright position beneath the seat in fore-and-aft relation thereto and provided with horizontal slots in front and rear portions thereof, support elements carried by the seat and constantly engaged in the different said slots for cooperatively



supporting the seat upon the plate for its fore-and-aft adjustment and means entirely on the seat providing for independent adjustments of the spacing of the operative support elements with respect to the seat whereby to adjustably vary the fore-and-aft angularity of the seat.

2,298,352

LAUNDRY DRIER

Edward J. Downes, Albany, N. Y.

Application September 6, 1940, Serial No. 355,566
7 Claims. (Cl. 34—109)



7. In a device of the character described, the combination with the cylinder of a laundry machine, of a removable partition for subdividing the interior of said cylinder into two compartments, said partition comprising a plurality of screens connected together but relatively movable whereby said partition may be collapsed and expanded, the interior of said cylinder and said partition being provided with means adapted to engage each other for supporting said partition when expanded in operative, cylinder-subdividing position, and means for holding said partition in expanded condition.

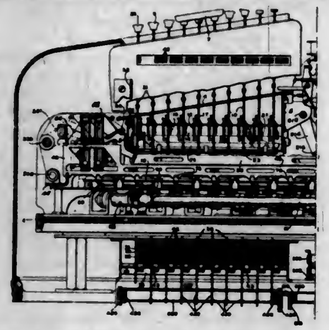
2,298,353

CALCULATING MACHINE

Elmer H. Dreher, Rockville Centre, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application March 18, 1936, Serial No. 69,570
7 Claims. (Cl. 235—61.6)

1. In a calculating machine, card sensing mechanism adapted to sense multiplication factors from punched cards, a keyboard, a set pin basket adapted to be controlled by said sensing mechanism, a decoder containing selectable stop members said keyboard and set pin basket individually controlling said decoder, said set pin basket having a group of set pins through which a multi-digit group multiplication factor sensed from one card controls the selection of stop members in said decoder and a second set of pins through which multi-digit factors sensed from succeeding cards are set up in said decoder, a repeat mechanism in said decoder associated with said first set of pins, adapted to control the release of said stop members by a special perfora-



tion and a multiplying mechanism adapted to perform concurrent multi-digital computations under control of the stop members in said decoder to obtain the product of the group factor and each individual factor sensed from a card.

2,298,354

MANUFACTURE OF ACETIC ANHYDRIDE

Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application December 29, 1938, Serial No. 248,206. In Great Britain February 10, 1938
6 Claims. (Cl. 260—546)

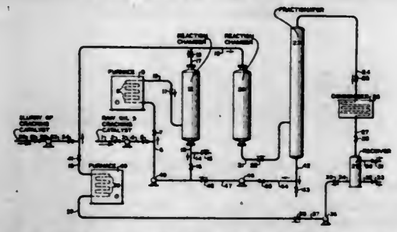
1. Process for the manufacture of acetic anhydride, which comprises subjecting acetaldehyde to oxidation by means of free oxygen in the presence of sufficient of a liquid aliphatic hydrocarbon to form a non-aqueous phase containing acetic anhydride, separating said non-aqueous phase from the aqueous phase simultaneously produced, and recovering acetic anhydride from the non-aqueous phase by distillation.

2,298,355

CATALYTIC CRACKING OF HYDROCARBONS

Gustav Egloff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application September 20, 1940, Serial No. 357,512
3 Claims. (Cl. 196—49)



1. A process for the production of a high octane motor fuel comprising subjecting a raw oil charging stock to catalytic cracking in the presence of a suspended catalyst to form substantial quantities of motor fuel, separating the products of said reaction into a vaporous fraction and a liquid fraction containing the used catalyst in suspension, commingling the aforesaid vaporous

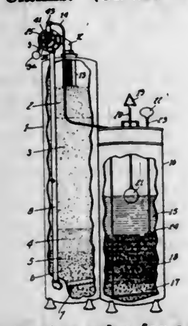
fraction, including the components thereof heavier than gasoline, with gasoline fractions formed as hereinafter set forth and subjecting the resulting mixture to catalytic cracking in the presence of a suspended catalyst to form further quantities of gasoline, fractionating the products from the catalytic treatment of said mixture to separate a normally gaseous fraction, gasoline, and a higher boiling liquid fraction containing used catalyst in suspension, and commingling a portion of the last-named gasoline with the vaporous fraction separated from the products of the first cracking reaction for treatment in the manner hereinbefore set forth.

2,298,356

WATER SOFTENING APPARATUS

Earl E. Eickmeyer and Anthony G. Horvath, Dayton, Ohio, assignors to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio

Original application February 13, 1939, Serial No. 256,066. Divided and this application September 28, 1939, Serial No. 296,964
7 Claims. (Cl. 210—24)



1. In a distributing valve for a water softening system, the combination of a distributing head, a rotor in engagement with said distributing head and having fluid passageways therein, a cover cooperating with said distributing head to enclose said rotor, means for rotating said rotor, a hard water inlet in said distributing head, said distributing head having a plurality of ports for communication with said passageways in said rotor and a plurality of outlet ports for communication with the water softening system with which the distributing valve is associated, said ports and passageways providing means for conducting fluid flow through the distributing valve into the water softening system with which the valve is associated, a brine inlet passage for conducting brine to said distributing head, a control valve in said brine passageway, and means actuated by said rotor for opening and closing said brine control valve.

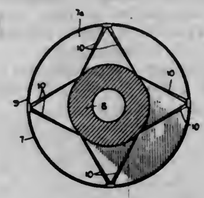
2,298,357

PACKAGE SUPPORT

William J. Elvin, Frostburg, Md., Raymond D. Reel, Keyser, W. Va., Elmer R. Stahl, Meyersdale, Pa., and Frank W. Schulte, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

Application October 4, 1940, Serial No. 359,722
2 Claims. (Cl. 242—125)

1. In a yarn support adapted to receive a transfer tail, the combination of a base flange on said yarn support having a peripheral groove therein and a plurality of grooves on the inner surface of said flange tangential to the normally circular path of the yarn and communicating with said



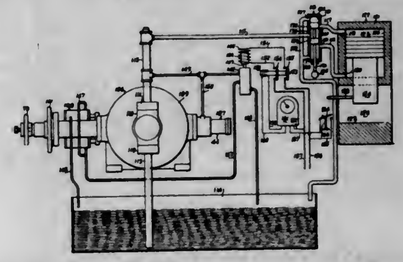
peripheral groove, at least one of said grooves being directed clockwise to said circular path and at least one being directed anticlockwise.

2,298,358

CIRCUIT FOR MOLDING WORK PIECES

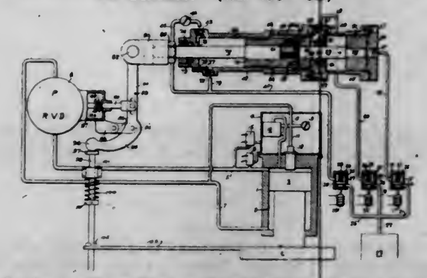
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp'n., Inc., Wilmington, Del., a corporation of Delaware

Original application July 19, 1938, Serial No. 220,046, now Patent No. 2,230,054, dated January 28, 1941. Divided and this application August 16, 1938, Serial No. 225,156
4 Claims. (Cl. 60—52)



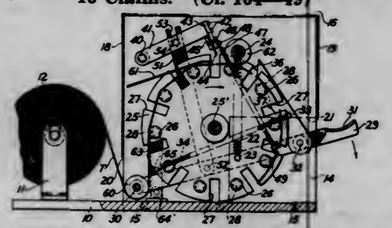
1. In combination in a hydraulic circuit, a motor, a variable delivery pump with a shiftable flow control element connected to feed said motor, means for operating said pump at low pressure to supply low pressure fluid to said motor during the initial portion of the working stroke of said motor, comprising resilient means reacting to move said flow control element to full delivery position, servomotor means responsive to a predetermined pressure in said motor during the working stroke thereof for shifting said pump flow control element to its leakage delivery position in opposition to said resilient means, time delay means, means movable by said motor at a predetermined point in its working stroke for operating said time delay means to cause it to begin its delay period, pilot motor means for increasing the reaction of said resilient means on said flow control element during the same working stroke of said motor to return said flow control element again to full delivery position, and valve means actuated by said time delay means at the end of its delay period while said flow control element is in leakage delivery position to feed fluid to said pilot motor means for increasing the thrust of said resilient means to thereby shift said pump flow control element to full delivery position, whereby said pump is operated at high pressure to thereby supply high pressure fluid to said motor during the latter operation of the same working stroke of said motor.

2,298,359
PRESS CONTROL
Walter Ernst and Philip J. Lindner, Mount Gilead, Ohio, assignors to The Hydraulic Development Corporation Inc., Wilmington, Del., a corporation of Delaware
Application January 18, 1941, Serial No. 375,030
13 Claims. (Cl. 103—38)



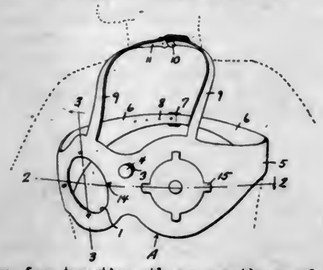
1. In combination with the flow-control member of a reversible variable delivery pump, yielding means continuously urging said flow-control member into retraction stroke position, a first fluid operable plunger operatively connected with said flow-control member and responsive to fluid pressure acting thereupon to move said flow-control member into full forward stroke position against the thrust of said yielding means, a fluid source for supplying fluid pressure to said first plunger, a second plunger operable by fluid pressure from said fluid source, to move said flow-control member to a restricted forward delivery position, and a third plunger operable by fluid pressure from said fluid source independently of the position of said second plunger and against fluid pressure acting on said first plunger for shifting said flow-control member to neutral or no delivery position.

2,298,360
AUTOMATIC TAPE DISPENSER AND CUTTER
Harold L. Fitch, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 11, 1939, Serial No. 273,089
16 Claims. (Cl. 164—49)



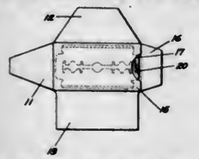
1. A tape dispenser for a sticky surfaced tape comprising, means for rotatably supporting a supply roll of tape, a shearing member, means for pulling said tape in strip form from said roll and adapted to carry the same past said shearing member where it is cut into short lengths, and adapted to deliver said short lengths to a position for removal from the dispenser, said means including spaced members movable in spaced relationship and means for directing said tape toward said member so that the sticky surface thereof is pressed into adhesive contact with said spaced members to be supported thereby at spaced intervals longitudinally thereof, whereby each member supports a severed length of said tape due to the adhesion between the two.

2,298,361
ICE OR HOT WATER BREAST BAG
Elizabeth A. Freund, New York, N. Y.
Substitute for abandoned application Serial No. 726,388, May 18, 1934. This application November 21, 1941, Serial No. 420,018
1 Claim. (Cl. 150—2.2)



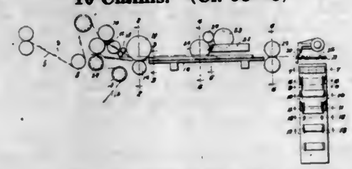
Means for treating those portions of the female body containing the milk glands, comprising a rubber bag made in the shape of a brassière and having elongated tapered and hollow end portions extending under the armpits, straps connected to the ends of the bag and extending around the back of the user, means for connecting the straps together, a pair of neck straps connected with the top part of the bag, means for connecting the neck straps together, said bag having a filling opening, a closure for the same, the front part of the bag having openings therein for the passage of the breasts, a pair of small substantially cup-shaped hollow bags adapted to cover the breasts, means for detachably connecting the small bags to the main bag around the openings in the main bag, each small bag having a filling opening and closure means for the same.

2,298,362
PROTECTED BLADE
Howard Gambrill, Jr., Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application October 2, 1939, Serial No. 297,429
1 Claim. (Cl. 206—46)



A protected safety razor blade of the double edged type having an inner wrapper folded over one of its unsharpened ends, completely enclosing its sharpened edges on both sides and being temporarily secured to the blade with the folded and doubled edges of the wrapper extending outside and protecting the sharp longitudinal edges of the blade, one end of the wrapper having a projecting tongue and the other a recess exposing a limited area of the blade end, in combination with an outer envelope sealed across the wrapped blade and having a narrow blade passage at one end through which the wrapped blade may pass without tearing the envelope, the tongue of the wrapper projecting out through said passage beyond the outer end of the blade and being folded over said end and in exposed position upon the face of the envelope, thus enclosing the outer end of the blade, and providing accessible means by which the wrapped blade may be withdrawn from the envelope.

2,298,363
METHOD FOR WRAPPING FIRST AID DRESSINGS
Henry Ganz, Ridgefield Park, N. J., assignor to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey
Application January 31, 1940, Serial No. 316,664
10 Claims. (Cl. 93—3)



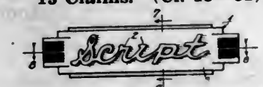
1. Method for the complete wrapping and sealing of first-aid units, which comprises spotting the units upon a travelling strip of wrapping material, subjecting the wrapping material with the spotted units thereon to a pressing operation, folding and sealing the side margins of the strips with relation to the units, dividing the wrapping material in the inter-spotted areas, and folding and sealing the end flaps.

2,298,364
MOLDED NAME PLATE
Joseph A. Gits and Jules P. Gits, Chicago, Ill., assignors to Gits Molding Corporation, Chicago, Ill., a corporation of Illinois
Application March 12, 1938, Serial No. 195,504
11 Claims. (Cl. 40—136)



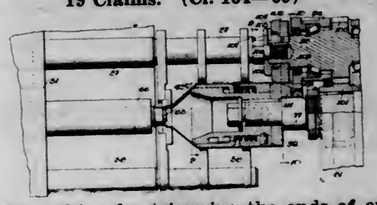
11. A decorated article comprising a plastic base having an opening therethrough, and plastic material extending through said opening and provided with a head on each side of the said base, whereby said plastic material is locked in position on said base, said base being provided with a recess aligned with said opening on one side of said base, the head of plastic material on that side of the base being located entirely in the said recess, and presenting a surface substantially continuous with the surface of that side of the base, the head of plastic material on the other side of the base presenting a surface parallel to that of said other side of the base.

2,298,365
METHOD OF MOLDING NAME PLATES
Joseph A. Gits and Jules P. Gits, Chicago, Ill., assignors to Gits Molding Corporation, Chicago, Ill., a corporation of Illinois
Original application March 12, 1938, Serial No. 195,504. Divided and this application November 18, 1939, Serial No. 305,051
13 Claims. (Cl. 18—61)



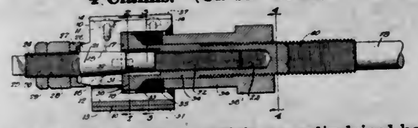
3. A method of molding indicia to be exposed upon the front face of a body having relatively opposed front and rear faces which comprises forming an elongated recess in said body along the rear face substantially in the direction of one dimension of said indicia to be formed to communicate with the front face at a number of places, injecting a fluid indicia-forming material into said elongated recess to flow into and through said places of communication to form said indicia upon the front face, and effecting a permanent bond between said body and the fluid material in said recesses when it hardens that forms in effect an integrally formed unit.

2,298,366
TRIMMING MACHINE
Wiltie I. Gladfelter and Frederick William Duhan, Philadelphia, Pa., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application June 21, 1940, Serial No. 341,754
19 Claims. (Cl. 164—69)



7. A machine for trimming the ends of cylindrical articles, comprising a pair of coaxially arranged rotatable heads, a plurality of longitudinally movable article receiving cradles carried by one head, rotatably mounted mandrels carried by said head and adapted to support the adjacent ends of the articles in the cradles, a plurality of rotating mandrels carried by the other head in alignment with the first-mentioned mandrels, cutters associated with the last-mentioned mandrels, means for longitudinally advancing the first-mentioned mandrels and said cradles to support the articles for rotation jointly by the first and second mandrels, and means for rotating the mandrels to trim the second-mentioned ends of the articles.

2,298,367
LAPPING TOOL
Leopold F. Glaude, Chicago, Ill.
Application June 15, 1942, Serial No. 447,189
4 Claims. (Cl. 51—184.3)

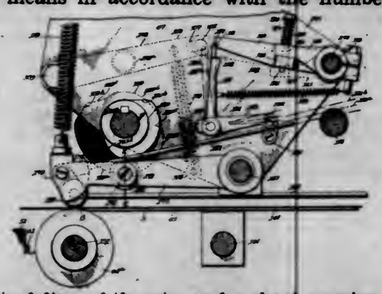


1. A lapping tool, comprising a cylindrical body split longitudinally for lateral expansion and contraction and having an axial bore, a stem concentrically mounted in said body, a collar of resilient compressible material interposed in said bore between said body and stem, and means on said stem for axially compressing said collar for exerting yielding expanding pressure on said body.

2,298,368
CALIPERING MECHANISM
George Goebel and Sherman A. Chantland, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Original application June 10, 1935, Serial No. 25,908. Divided and this application January 20, 1939, Serial No. 252,051
11 Claims. (Cl. 209—88)

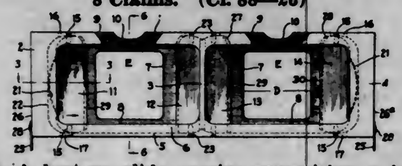
1. The combination in a sheet feeder, of a calipering mechanism, means to deliver sheets to said mechanism, conveyor means to which said mechanism delivers the sheets, reject means included in said last-named means, said caliper-

ing means including means to selectively control said delivery means and the position of said reject means in accordance with the number of



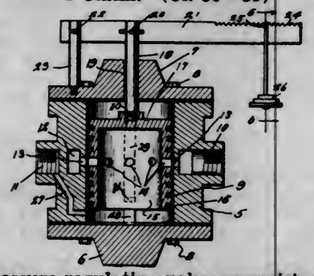
sheets delivered thereto, and a sheet gauging element arranged to control the operation of said control means.

2,298,369
LANTERN SLIDE CARRIER
Valentine F. Greaves, Oakland, Calif.
Application April 24, 1941, Serial No. 390,148
8 Claims. (Cl. 88—26)



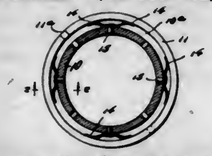
1. A lantern slide carrier comprising a base plate, spaced arms carried by the base plate, guides on which a lantern slide may move, each guide including two angularly disposed intersecting slide locating walls forming a V-shaped groove to receive the lantern slide, a movable mount for at least one guide including means for limiting the movement of said guide relatively to said support, and a spring tending to thrust said guide towards the opposite guide whereby a lantern slide may be frictionally held between the two guides.

2,298,370
REDUCING VALVE
Albert C. Haag, Oxford, Ohio
Application June 2, 1941, Serial No. 396,313
1 Claim. (Cl. 50—39)



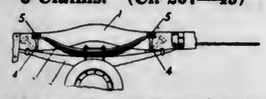
A pressure regulating valve comprising a cylindrical body closed at each end and having intake and discharge ports for connecting in a pipe line, a piston working in the body closed at its upper end and open at its lower end, said piston having ports in its side walls adapted to register with the intake port of the cylinder for admitting fluid into the piston, a stop in the cylinder engageable by the bottom of the piston to limit downward movement of the piston, the discharge port having communication with the cylinder below the piston, said intake ports in the piston being closed upon a predetermined upward movement of the piston by pressure of the fluid entering the same, means for counteracting said pressure and a by-pass passage in the body connecting the upper and lower portions of the cylinder to drain condensation from the cylinder above the piston, the upper end of the passage being normally open when the ports of the piston are in communication with the intake port of the cylinder and one end of said passage being at all times closed by the piston.

2,298,371
PISTON RING
Otto W. Haling, Rochester, Minn
Application April 1, 1939, Serial No. 265,481
2 Claims. (Cl. 309—24)



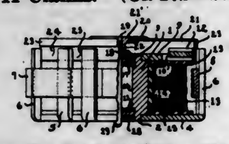
2. A piston ring structure having in combination, upper and lower rings of very small thickness and a third ring between said rings, all of said rings being constructed and arranged to be disposed within a piston ring groove rectangular in vertical cross section, said thin rings having flat surfaces engaging the top and bottom of said groove respectively, said third ring having a lower flat surface, said lower thin ring having a flat top surface engaged by said lower flat surface, said third ring being of soft tempered steel and having a series of circumferentially spaced lugs extending outwardly from its inner edge and spaced from the top thereof, said lugs terminating a short distance from the outer edge of said ring to form a deep groove with said ring, the same having flat top surfaces, said top thin ring having a lower flat surface engaging said flat top surfaces of said lugs, said rings being of the same width radially so as to be equally engaged by an expander in the bottom of said ring groove, said lugs being resilient and tending to hold the top and bottom rings against the top and bottom of said groove.

2,298,372
MOVABLE STOP
Hughey Ham, Farmerville, La.
Application August 8, 1940, Serial No. 351,889
3 Claims. (Cl. 267—45)



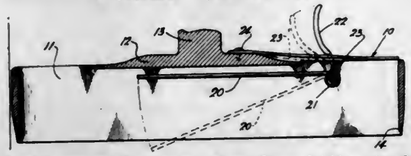
1. A movable spring stop mechanism comprising a pair of parallel spaced axles, bearing members for rotatably mounting the axles on the frame of a truck or the like, each axle being provided with a pair of spaced lugs adapted to resist the movement of a spring, each axle being provided with a lever adapted to turn it, a link connecting the said levers and a pull rod having a connection with the said two levers and their connecting links whereby a movement of the pull rod will cause the two levers and connecting links to move.

2,298,373
SLOW SPEED SYNCHRONOUS MOTOR
William L. Hansen and Ira N. Hurst, Princeton, Ind., assignors to Hansen Mfg. Company, Inc., Princeton, Ind., a corporation of Indiana
Application April 25, 1940, Serial No. 331,610
11 Claims. (Cl. 172—278)



1. In a synchronous motor, a magnetic core, a magnetic field member mounted on one end of said core and having outer pole pieces disposed axially in a substantially cylindrical path, a second magnetic field member mounted on the other end of said core and having inner pole pieces disposed radially with their tips spaced from the tips of the axial pole pieces to leave a continuous annular opening between the pole tips, a rotor positioned within said annular opening, and a shading ring positioned adjacent to and intertwining said outer pole pieces and arranged to shade alternate outer pole pieces.

2,298,374
DOUBLE CUT RIGHT AND LEFT FOURCHETTE DIE
William M. Hartmann, Chicago, Ill., assignor to C. D. Osborn Co., Chicago, Ill., a corporation of Illinois
Application March 10, 1941, Serial No. 382,496
3 Claims. (Cl. 164—33)



3. A device for stamping fourchettes including three spaced integral cutting blades extending in the same general direction, and having cutting edges chamfered on the inside, to pick up stamped-out fourchettes therebetween, the outer two blades having ends deflected inwardly and the central blade having forked ends joined to the deflected ends of said outer blades to outline the tapering ends of mated right and left straight fourchettes, a middle portion of said central blade dividing and spreading to form a diamond-shaped figure outlining darts in said straight fourchettes, said device further comprising a flat member bridging middle portions of said blades, a handle on said flat member, a pin set transversely in said blades intermediate the terminal forks of said central blade and said flat member, a lever pivoted around said pin on each side of the central blade, said levers having each one arm extending under said flat member between said blades capable of ejecting stamped-out, picked-up fourchettes when depressed and another arm extending upwardly beyond said blades, a transverse plate connecting the latter lever arm whereby the latter lever arm may be actuated manually to depress said first lever arm, and a cantilever spring affixed to said flat member and extending therefrom between said latter lever arms and the plate connecting the same above the blades, to the end portions of the blades, said spring resisting depression of said levers.

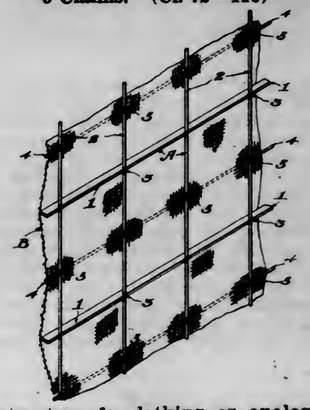
2,298,375
MANUFACTURE OF NITRO COMPOUNDS
Rudolph Leonard Hasche, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 23, 1939, Serial No. 280,799
10 Claims. (Cl. 260—644)

4. A process which comprises reacting formaldehyde with a nitro compound having the formula:

$$RCH_2NO_2$$

wherein R represents a member from the group consisting of hydrogen, halogen, and alkyl, to simultaneous condensation and dehydration, and conducting the reaction in the presence of a solid non-caustic dehydration catalyst and at a temperature above 200° C. so that the condensation and dehydration take place substantially entirely in the vapor phase.

2,298,376
CLOTH BACKED PLASTER REINFORCING
Richard F. Herr and Alexander Carnie, Youngstown, Ohio, assignors to Trucson Steel Company, Youngstown, Ohio, a corporation of Michigan
Application June 26, 1940, Serial No. 342,558
5 Claims. (Cl. 72—116)

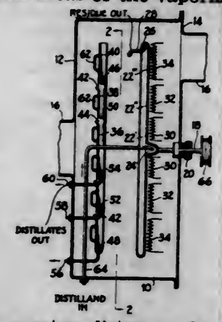


5. A structure for lathing or analogous use, comprising in combination, a substantially rigid metallic reinforcing mesh consisting of spaced ribs of flat substantially rectangular cross section disposed perpendicular to the plane of the face of the mesh and a plurality of facing wires arranged in spaced relation transversely of the front edges of said ribs and welded thereto at their points of crossing, a backing sheet consisting of a sized woven fibrous thread fabric having a thread count of 14 by 14 to the square inch, and means for securing said backing sheet to the rear side of said mesh.

2,298,377
VACUUM DISTILLATION FROM MOVING SURFACES AND APPARATUS THEREFOR
Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application November 3, 1939, Serial No. 302,748
12 Claims. (Cl. 202—52)

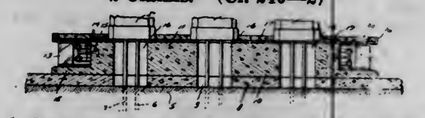
1. The method of vacuum distillation which comprises introducing distilland onto a rotating heated vaporizing surface and separately con-

densing vapor fractions which are vaporized from different areas of the vaporizing surface at



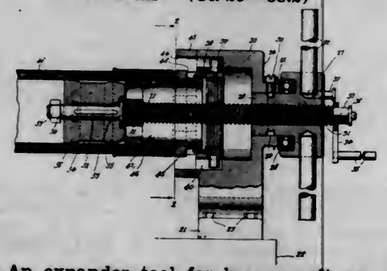
successively greater distances from the center of rotation thereof.

2,298,378
SERVICE STATION PUMP ISLAND
Lucian Stanley Hodges, Richmond, Va.
Application March 24, 1941, Serial No. 384,971
2 Claims. (Cl. 240—2)



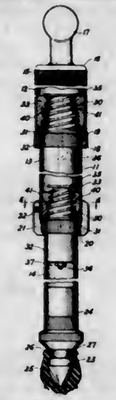
1. In a service station pump island, a unitary base slab adapted to be imposed flat on the ground, a relatively thicker second slab of smaller size imposed on the base slab and having its side edges set back from the edges of said base slab to form a riser offset inwardly from the edges of the base slab and a ledge on the base slab surrounding the riser, a cover plate crowning the second slab and of substantially the same size as the base slab to provide thereon edges overhanging the riser and forming together therewith and with said ledge an edge channel in the island surrounding the same, light transmitting blocks fitted in said channel and spaced from said riser, and illuminating means in said space.

2,298,379
EXPANDER TOOL FOR COUPLINGS
Allan C. Hoffman, Milldale, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 26, 1939, Serial No. 276,027
6 Claims. (Cl. 29—88.2)



5. An expander tool for hose couplings comprising a supporting body having an open end and an abutment face, a thrust plate, interfitting means between said plate and body whereby said plate may be attached by an axial slip fit to the open end of said body and against said abutment face as a stop and retained against rotation relative to said body, said thrust plate provided with a further means to receive a coupling by an axial slip fit and prevent relative rotation of the coupling to the body during the expanding operation, a nut rotatably mounted in the opposite end of the body, a drive screw threaded into the nut and extending through said coupling member when retained in said thrust plate, and an expander head on the inner end of the drive screw adapted to be drawn through the coupling to expand the same when said nut is turned.

2,298,380
TRIPOD LEG AND CLAMPING MEANS THEREFOR
Henry J. Hood, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 12, 1941, Serial No. 382,973
6 Claims. (Cl. 248—191)

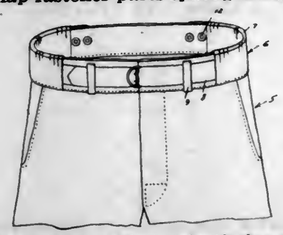


3. In a tripod leg, the combination with a hollow leg member, a second leg member longitudinally and rotatably movable within said hollow leg member, a conical screw fixed to the end of said second leg member within said hollow leg member, a split-nut comprising a plurality of separate arcuate sections each having a tapered inner surface threaded to engage said screw and having an outer contour complementary to and adapted to frictionally engage the inner wall of said hollow leg member, a spring normally forcing each of said arcuate sections laterally of, and into frictional engagement with, the inner wall of said hollow leg member without removing the same from threaded engagement with said screw, and means movable with said screw and adapted to cooperate with said split-nut when the two are moved relative to one another for permitting a relative longitudinal movement between said sections and said screw, whereby the sections are adapted to be moved into clamping engagement with the inner wall of said hollow leg member when said second leg member is rotated in one direction relative to said hollow member, but the screw and nut are positively prevented from becoming disengaged when said second leg member is rotated in the other direction relative to said hollow member.

2,298,381
TROUSERS
Albert Horwitz, El Paso, Tex.
Application March 18, 1941, Serial No. 383,993
2 Claims. (Cl. 2—237)

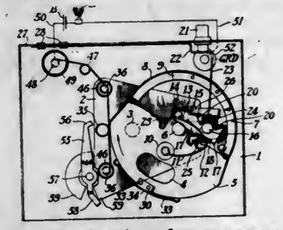
1. In a garment, an elongated tunnel forming

member secured to one side of the garment to extend lengthwise along the waist line of said garment, a divided waist band having ends extending into opposite ends of said member, respectively, one end of the waist band being fixed to said member adjacent one end of the latter, female snap fastener parts spaced along the fixed



end of said waist band, an elastic band fastened at one end to the other end of said waist band and housed in said member, and a tab fastened to the other end of said elastic band and provided with a male snap fastener part for securing to said female fastener parts selectively to thereby variably tension the elastic band and yieldingly shorten the length of the waist band.

2,298,382
CAMERA SHUTTER SPEED CONTROLLER AND SWITCH
Miller R. Hutchison, Jr., and Alois L. Wehr, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 6, 1940, Serial No. 328,314
6 Claims. (Cl. 95—61)

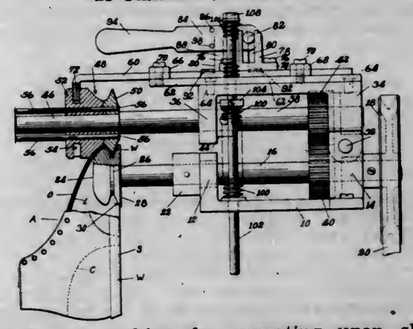


1. A shutter mechanism for cameras comprising, in combination, a support, a shutter movably mounted on the support to move through a fixed path of movement, mechanism operably connected to the shutter for moving it through its fixed path, a spring member carried by said support adjacent the path of movement of the shutter, and a bendable arm carried by the shutter for engaging and flexing the spring member for controlling the speed thereof.

2,298,383
TREATMENT OF HYDROCARBONS
Vladimir N. Ipatieff and Herman Pines, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 7, 1940, Serial No. 360,132
12 Claims. (Cl. 196—10)

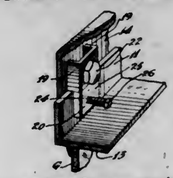
12. A process for producing substantially saturated hydrocarbons of motor fuel boiling range and high antiknock value which comprises alkylating isobutane with ethylene in the presence of hydrogen chloride and a solid composite comprising aluminum chloride adsorbed in a solid adsorbent.

2,298,384
MACHINE FOR USE IN MAKING PREWELT SHOES
Adrien L. Jalbert, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 16, 1941, Serial No. 398,291
15 Claims. (Cl. 12—97)



1. In a machine for operating upon shoe uppers, a roll for supporting a shoe upper, and another roll pivotally movable toward and away from said supporting roll for cooperating therewith and for pressing the upper against the supporting roll to feed the upper between said rolls and simultaneously to conform it to the shape of said supporting roll, a portion of said cooperating roll being separable from another portion thereof to prevent said separable portion from operating upon the upper while said other portion continues to operate thereon.

2,298,385
CONNECTOR DEVICE
Paul A. Jantzen, Newark. N. J.
Application June 12, 1940, Serial No. 340,015
1 Claim. (Cl. 189—75)

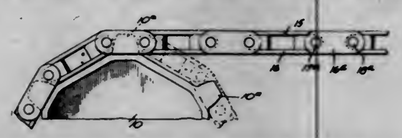


A connector device for securing a sash jamb to a structural steel building member, comprising an elongated body portion, spaced studs depending from one end of said body portion and positioned on the steel building member with the jamb abutting against said studs, a bolt passing through the body portion of the connector device and steel building member to secure the body portion to the building member, the other end of said body portion overlying the sash jamb, and bolt means, passing through said overlying portion, engaging the jamb and holding the same against the building member.

2,298,386
CONVEYER CHAIN
Chester S. Jennings, Syracuse, N. Y., assignor, by mesne assignments, to Lamson Corporation, De Witt, N. Y., a corporation of New York
Application January 6, 1939, Serial No. 249,637
11 Claims. (Cl. 198—189)

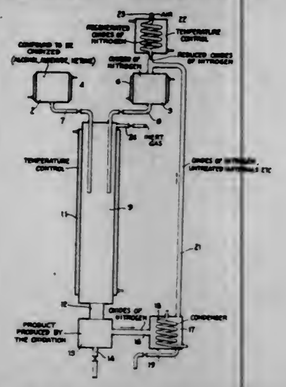
1. A two-plane conveyer chain comprising a plurality of links, each constituted by side bars

having relatively outer faces and longitudinal edges adapted with the faces or edges adjacent link side bars to provide a substantially continuous bearing surface for the chain and transversely extending end pins securing the side bars in spaced parallel relation, and connectors extending between the related end pins of adjacent links and connecting the links in end-to-end relationship, said connectors forming with the inner faces of the link side bars a sprocket



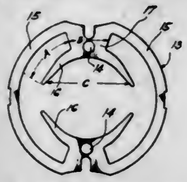
tooth-receiving recess in each link and being constructed and arranged as to dispose each link and the recess thereof at right angles to the next adjacent links and recesses thereof and to provide with the link end pins a succession of right-angularly related pairs of parallel link-flexing axes which correspond to the end pin axes of the interconneced links, and the center line of each tooth-receiving recess of a link being equi-distantly spaced from the axes of the end pins thereof.

2,298,387
OXIDATION PROCESS
William O. Kenyon and George Victor Heyl, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 25, 1939, Serial No. 291,910
9 Claims. (Cl. 260—687)



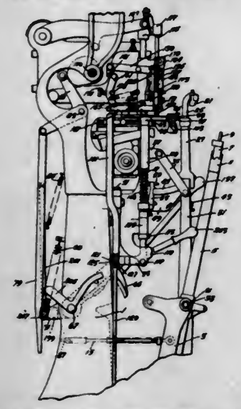
1. A continuous process for the production of acids by the treatment of oxidizable oxygen-containing compounds from the group consisting of alcohols, aldehydes, and ketones, which comprises continuously feeding said oxygen-containing compound into a reaction zone, continuously feeding into the reaction zone an oxidant comprising substantially all NO_2 free of water, maintaining the reaction zone at a temperature between 35° C.–275° C. for causing the oxidation of at least a part of the compound by means of the NO_2, withdrawing a part of the reaction product, separating oxides of nitrogen therefrom, returning separated oxides of nitrogen to a re-oxidation process for the regeneration of NO_2 by oxygenated dry air and employing a part of this regenerated NO_2 for the aforementioned continuous feed.

2,298,388
LAMINATED FIELD STRUCTURE
Max Knobel, Cambridge, Mass., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application February 10, 1941, Serial No. 378,199
1 Claim. (Cl. 171—252)



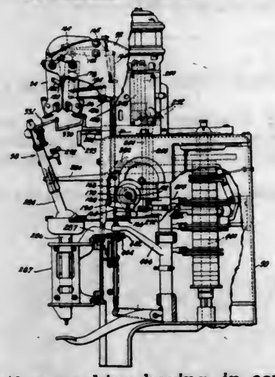
A laminated core structure embodying a plurality of laminations with each lamination including a yoke portion and a plurality of poles integral with the yoke, each of said poles having a throat portion with peripherally spaced inwardly converging straight sides terminating at outwardly extending pole face pieces of equal length, the minimum width of said throat portion being between twenty-five per cent and fifty per cent of the length of straight line connecting the oppositely extending tips of said pole pieces, and a winding about said throat portion defining a coil having its greatest diameter adjacent the yoke and its least diameter adjacent the pole pieces.

2,298,389
ASSEMBLING MACHINE
Harold Lane and Cyril H. James, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 22, 1941, Serial No. 394,688
In Great Britain June 7, 1940
30 Claims. (Cl. 12—4)



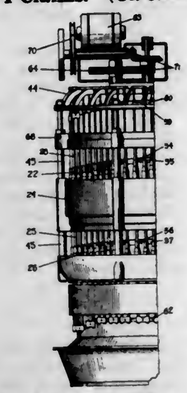
1. In a machine for operating on an end of a shoe upper on a last, the combination with a work support constructed and arranged to yield in the direction of the height of the last, said work support being arranged for movement in the direction of the length of the last, of a last depressor operable by such movement of the work support to position the last heightwise thereof relatively to the operating instrumentalities of the machine, said last depressor being constructed and arranged for movement widthwise of the last into a position remote from the last.

2,298,390
LASTING MACHINE
Robert H. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 13, 1940, Serial No. 352,449
36 Claims. (Cl. 12—7)



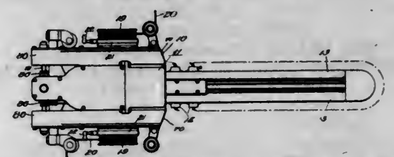
1. A lasting machine having, in combination, means for working a shoe upper over a last simultaneously at opposite sides thereof, pressing means for adhesively securing opposite marginal portions of said upper in lasted relation to a sole member on the last, and means for moving said shoe upper and last past said upper working and pressing means.

2,298,391
WAD FORMING MACHINE
Arthur J. Lewis, Stratford, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application August 25, 1939, Serial No. 291,857
4 Claims. (Cl. 92—59)



1. In a machine for making gun wads from a slurry of wad-forming materials, the combination comprising: a frame; a stationary slurry holding means; a rotatable carrier; a slurry container, tubular wad molds provided with lateral drainage perforations and a tube for each mold having an open end extending above the slurry in said container, said container, molds and tubes being mounted on and rotatable with the carrier; connections between said holding means and the container to feed slurry thereto; a stationary cam race on said frame; a slurry measuring means slidably mounted on each tube and engaging said cam race, the measuring means being moved upwardly by the cam race to feed slurry from the container into a mold through the open end of the tube upon rotation of the carrier; a second stationary cam race on the frame; an imperforate sleeve on each mold engaging said second cam race and slidable to uncover said lateral drainage perforations upon rotation of the carrier; a third stationary cam race on the frame; a wad-forming plunger reciprocable interiorly within each mold and tube and engaging said third cam race to be reciprocated for forming a wad after slurry has been fed to a mold as the carrier is rotated; a fourth stationary cam race on the frame; and a reciprocable lower plunger for each mold closing the bottom thereof, said reciprocable lower plunger engaging the fourth stationary cam race to uncover the mold after the wad-forming operation is complete.

2,298,392
KERF-CUTTING MACHINE
Frank A. Lindgren, Western Springs, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 26, 1940, Serial No. 354,180
12 Claims. (Cl. 262—30)

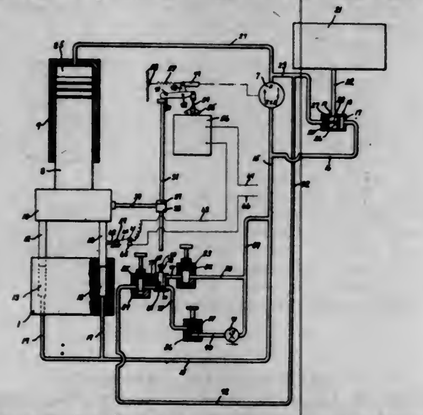


1. In a mining machine of the type slidable along the mine bottom on its bottom during cutting, a main frame, a cutter bar projecting forwardly from said main frame and having a cutter chain movable thereabout in a closed orbital path, and cuttings collecting means extending along the advance side of said machine from the lower forward end thereof including a conveyer extending along and recessed within the advance side of said machine and having a receiving end disposed adjacent said cutter chain and opening to the forward end of said machine and having a discharge end adjacent the upper rear end of said machine.

2,298,393
FLUID OPERATED SLOW-DOWN MECHANISM FOR PRESSES
Philip J. Lindner, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application January 11, 1940, Serial No. 313,320
9 Claims. (Cl. 60—52)

1. In combination, a plunger having associated therewith fluid operable advancing and retracting means for reciprocating said plunger, a fluid source for supplying pressure fluid selectively to said advancing and retracting means, slow-down means operable by fluid from said fluid source for slowing down the return stroke of said plunger, controlling means operable to admit fluid from said fluid source to said slow-down means selectively during the working or the return stroke of said plunger, to move said slow-down means into position for slow-down operation, and means responsive to the admission of pressure fluid to said retracting means for bringing about said slow-down operation at the beginning or any other desired point of travel of said plunger dur-

ing its retraction stroke depending on the admission of pressure fluid to said slow-down



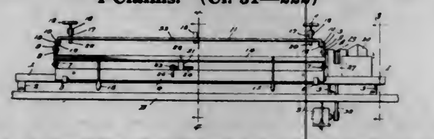
means during the advancing or during the return stroke of said plunger.

2,298,394

SICKLE SHARPENER

Leo Charles Littlefield, Clarion, Iowa

Application August 15, 1941, Serial No. 407,064
4 Claims. (Cl. 51—222)



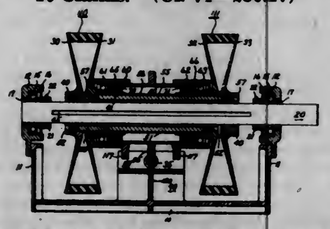
1. A machine for sharpening the teeth on a sickle bar which includes a rotatable abrading wheel, a base, a carriage movable along the base and across the plane of rotation of the wheel, a structure mounted for back and forth swinging movement on the carriage, a bar carried by said structure, means thereon for engaging and holding a sickle bar with some of its teeth in contact with the wheel, said bar being tiltable upwardly relative to the carriage to lift the teeth from the wheel, and means on the carriage for engaging said tiltable bar to lock the bar and structure against movement relative to each other and to the carriage.

2,298,395

VARIABLE SPEED TRANSMISSION

Darcy E. Lewellen and Emmons F. Lewellen, Columbus, Ind.

Application December 3, 1940, Serial No. 368,348
10 Claims. (Cl. 74—230.17)



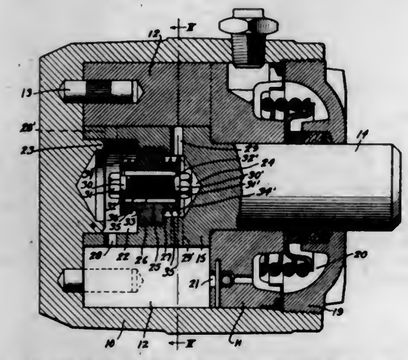
1. Variable speed transmission comprising a pair of shafts arranged on fixed axial centers, each of said shafts having a plurality of pairs of disks arranged for axial movement thereon forming variable diameter pulleys, means rigidly interconnecting like disks of adjacent pulleys, threaded means carried by the inside disks of adjacent pulleys, and threaded means having threads of opposite hand interconnecting said threaded means of said inside disks, said last mentioned threaded means causing movement of cooperating disks in opposite directions.

2,298,396

HYDRAULIC SHOCK ABSORBER VALVING ASSEMBLY

Gervase M. Magrum, Buffalo, N. Y., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application May 9, 1941, Serial No. 392,809
3 Claims. (Cl. 277—71)



1. A valving assembly for controlling the displaced fluid in a hydraulic shock absorber, comprising a seat member interposed in the path of the fluid flow and having a flow passageway therethrough, said seat member having a threaded axial bore therethrough, studs having threaded inner ends engaging in the opposite ends of said threaded bore and having abutment heads at their outer ends, a valve disk on each stud movable between the stud head and the respective side of said seat member, a spring between each valve disk and the adjacent side of the seat member tending to hold the valve disk against the respective stud head for exposure of said seat member passageway to fluid flow under normal pressure, said valve disk being responsive to increased flow pressure against the outer sides thereof to be moved by the pressure toward the seat member to restrict the flow through the seat member passageway.

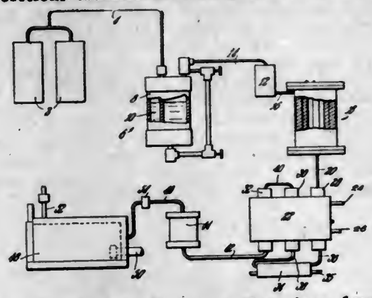
2,298,397

METHOD OF TREATING METAL

Vincent T. Malcolm, Indian Orchard, Mass., assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Mass., a corporation of Massachusetts

Application October 18, 1939, Serial No. 300,000
3 Claims. (Cl. 148—16)

1. The process of providing a piece of hardened, scale-free metal which consists in, placing a piece of hardenable carbon-containing metal into an open furnace of such a character that said piece may be quickly removed therefrom, then leading activated gas into the furnace under such controlled conditions that substantially all air is expelled from the furnace and the piece is blanketed by the gas and simultaneously heating the piece to a temperature above the critical transformation point of the metal,



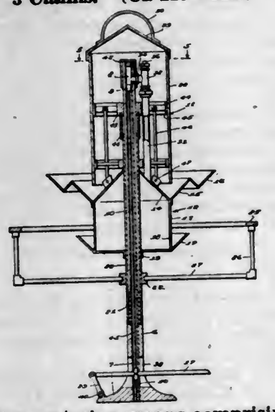
and then rapidly removing the piece from the furnace and rapidly cooling it.

2,298,398

POULTRY FEEDER AND FOUNTAIN

Anthony J. Marshaus, Cleveland, Ohio

Application January 11, 1940, Serial No. 313,435
3 Claims. (Cl. 119—51.5)



1. Poultry watering means comprising a water tank having a trough at the lower portion thereof, said tank having an opening for admitting water to the trough from the tank, an upright for the tank, said upright extending vertically through the tank, a treadle mounted on the lower portion of the upright, said upright being hollow, a rod extending from the treadle and vertically in the hollow upright and provided with a plunger at the upper end thereof, a pipe extending from the tank and communicating with the upper end of the hollow upright, a check valve in the pipe adapted to pass air from the water tank to the interior of the upright when the plunger is moved in a downward direction, and a valved structure in the top of the pipe opening to the atmosphere.

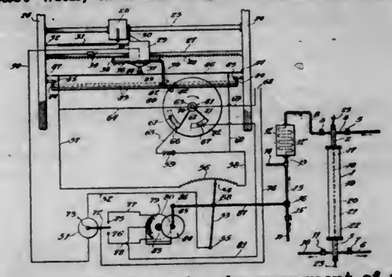
2,298,399

DEVICE FOR CONTROLLING TEMPERATURE

Jerry McAfee, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application October 24, 1940, Serial No. 362,512
3 Claims. (Cl. 23—288)

1. A device for controlling the temperature of a catalyst bed during the period of reactivating the catalyst by controlled oxidation which comprises, means movable in response to variations in temperature of spaced points of a catalyst bed, a follower moved progressively by said means as the temperature increases, means for holding said follower in a position corresponding to the maximum progressive moment of said movable means, reversible electrical means for actuating a valve for controlling the admission of an oxygen-containing gas to the catalyst bed, a resistance bridge, means carried by said follower in contact with, and forming the juncture of two



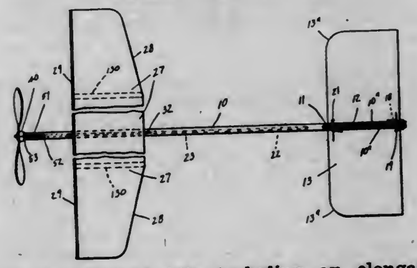
arms of said bridge, whereby movement of said follower changes the resistance ratio of said two arms to unbalance said bridge, means actuated by movement of said electrical reversing means for varying the resistance ratio of the other two arms of the bridge to rebalance the bridge, and means connected between said last mentioned means and said follower contact means for controlling the direction of current through said reversible electrical means.

2,298,400

AIRPLANE KITE

Curtiss J. McCoy, Indianapolis, Ind., assignor to Air-Line Mfg. Co., Inc., Indianapolis, Ind., a corporation of Indiana

Application March 6, 1941, Serial No. 381,977
8 Claims. (Cl. 244—154)



1. An airplane kite including an elongated main frame member of full kite length upon which all the main elements are supported, a depending fuselage vane depending therefrom and extending from adjacent the front end of the full length member toward the rear end and terminating short of the member rear end and at some distance therefrom, a horizontal stabilizing vane extending oppositely and sidewardly of the frame member at the rear end thereof and adjacent to but spaced from the rear end of the fuselage vane and positioned below the frame member, a vertical rudder vane extending upwardly from and through the rear end of the frame member and to the lower end of which is secured the stabilizing vane, means securing the rudder vane to the frame member, a wing extending oppositely and sidewardly from the frame member and near the forward end thereof and having its lower face secured to the upper

face of the frame member, and a flying string anchorage portion on the fuselage vane near the bottom forward portion thereof but some distance rearwardly of the extreme end of the frame member.

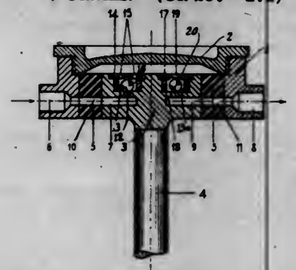
2,298,401
TREATMENT OF TEXTILE MATERIAL
James G. McNally and Edgar C. Jensen, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 22, 1940, Serial No. 353,670
4 Claims. (Cl. 8—61)

1. Textile material comprising an organic derivative of cellulose colored with an aminoanthraquinone dye and containing a compound having the general formula:



wherein R and R_1 each represents a member selected from the group consisting of ethylene and propylene.

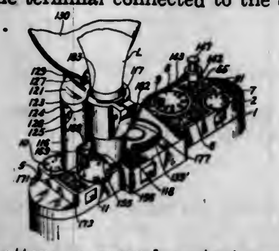
2,298,402
PUMP AND COMPRESSOR
Jean Mercier, Paris, France
Application May 8, 1941, Serial No. 392,578
7 Claims. (Cl. 230—171)



1. A device which comprises, in combination, a piston and cylinder slidable axially with respect to each other, with an annular interval between these two elements, an annular sleeve of an elastic material filling said interval and having its inner and outer surfaces applied with a high adhesion against the outer wall of said piston and the inner wall of said cylinder, respectively, inlet and outlet valve means associated with said piston and cylinder system, at least one of said valve means being carried by that of these two elements which is movable, said elements being provided with passages adapted to communicate with the last mentioned valve means, and said annular sleeve being provided with at least one transverse hole extending therethrough and interconnecting said passages of the above mentioned elements.

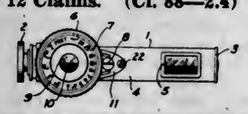
2,298,403
APPARATUS FOR TAKING FLASHLIGHT PICTURES
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 21, 1940, Serial No. 325,171
7 Claims. (Cl. 67—29)

1. The combination with a camera having a reciprocal shutter actuating member extending from the interior thereof, a first contact extending from said camera adjacent said member and mounted to move relative to said camera, means normally acting on said contact to move it in one direction, and an attaching means on said camera and electrically connected to said first contact, of a flash lamp unit including a part engaging said attaching means for detachably mounting said unit on said camera body, and electrically connected to said attaching means, a battery in said unit having one side connected to said part of the unit, a flash lamp socket having one terminal connected to the other side



of said battery, a second contact connected to the other terminal of said socket, means for detachably connecting said second contact to said shutter actuating member to move therewith into engagement with said first contact to close the lamp circuit in timed relation to the release of the shutter, said means including an element detachably connected directly to said member, said second contact connected to but insulated from said element and disposed to engage said first contact when said shutter actuating member is moved, and means for adjusting said second contact relative to the first contact for purposes of synchronization.

2,298,404
POCKET RANGE FINDER CONSTRUCTION
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 12, 1941, Serial No. 406,502
12 Claims. (Cl. 88—2.4)

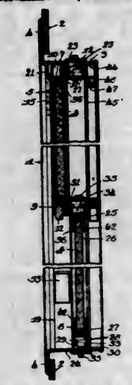


1. For use on an optical element having a body member with a bearing aperture and tapped holes therein, a bearing comprising a sheet metal spider-like bracket, a plurality of spaced arms carried by the bracket, two of said arms being adapted to support a slotted cylindrical member in the aperture of the body member, other of said arms being adapted to form frictional spring tensioning arms, and at least three widely spaced apertures in the bracket through which screws may pass into the tapped holes to attach the bracket to the body member.

2,298,405
CYCLOALKANYL PEROXIDE AND PROCESS OF PRODUCING THE SAME
Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application September 7, 1939, Serial No. 293,851
11 Claims. (Cl. 260—610)

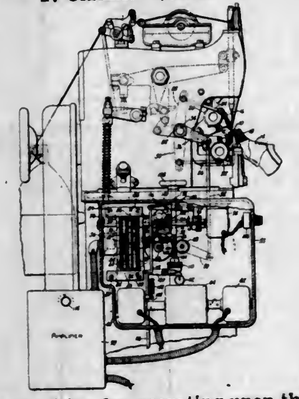
1. A cycloalkanyl peroxide.

2,298,406
WINDOW CONSTRUCTION
James T. Miller, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application February 7, 1940, Serial No. 317,719
3 Claims. (Cl. 189—72)



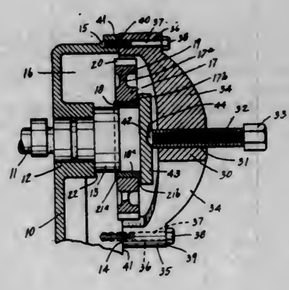
1. A unitary metal window construction comprising a frame, a stationary sash, a slidable sash and vertical channels in which said last named sash is adapted to move, including outwardly facing members forming certain of the inside faces of said channels, compressible weathering means for sealing the slidable sash when in its closed position including compressible material on the inside portions of said slidable sash adapted to engage said outwardly facing members, and complementary upwardly and inwardly inclined cam means located on the opposite sides of said channels from said members and on the adjacent opposite ends of said slidable sash, said cam means on said channels and said sash adapted to engage each other when the sash is in closed position and direct the sash and said weathering means into a watertight sealing contact with said members, said weathering means being adapted also to engage said stationary sash.

2,298,407
CONTROL MECHANISM
Lloyd G. Miller, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 14, 1941, Serial No. 393,374
17 Claims. (Cl. 12—6)



1. In a machine for operating upon the periphery of a shoe part, a first work-engaging member, means for driving said first work-engaging member at a constant speed, a second work-engaging member, means for variably driving said second work-engaging member in accordance with a predetermined schedule, a photoelectric cell, a light source therefor, means for causing variations in the amount of light reaching said photoelectric cell from said light source according to said predetermined schedule, and means operated by the photoelectric cell in response to said variations for controlling said last-mentioned driving means.

2,298,408
MOUNTING FIXTURE FOR PRESS ASSEMBLING
Otto D. Moyer, Indianapolis, Ind.
Application November 10, 1939, Serial No. 303,793
1 Claim. (Cl. 29—85)

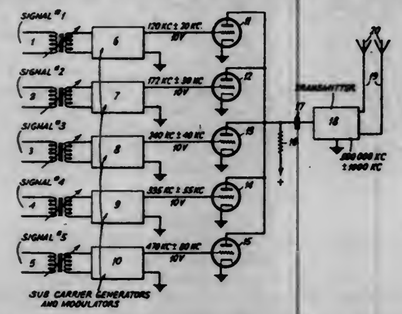


A device for mounting a gear upon a shaft in a housing having a cover detachably bolted thereto to form a gear or the like, enclosing chamber, said device including a concave spider arrangement having a central threaded portion adapted for axial alignment with the shaft axis when the device is mounted upon the housing, and a plurality of curved, rigid arms integral with the central portion each terminating in an elongated axis parallel free end, each being apertured for bolt reception and anchorage to the housing when the cover is removed, the curvature of said arms and elongated ends defining a chamber for nesting a gear or the like adjacent and in alignment with the shaft, a threaded pressure applying member in said threaded portion for pressure mounting of the gear upon the shaft, and means comprising a comparatively flat bearing plate of appreciable area having a pressure applying face and an opposite face including a central recess, the threaded applying pressure member having a partial spherical exposed end seatable in and bearable upon the plate recess for axial pressure transmission in aligned relation.

2,298,409
MULTIPLEXING
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 19, 1940, Serial No. 341,285
23 Claims. (Cl. 179—15)

7. In a signaling system, means for generating a main carrier frequency, means for generating

several sub-carriers, and means for modulating the main carrier by the sub-carriers an amount



which increases in proportion to the frequency of the sub-carrier modulating the main carrier.

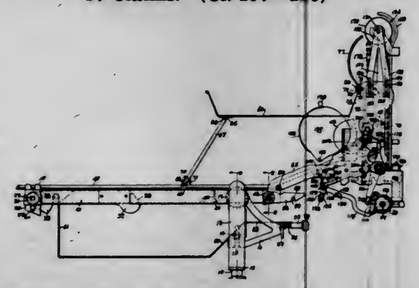
2,298,410

MANIFOLDING MACHINE

William C. Pfeiffer, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio

Application February 23, 1939, Serial No. 258,014

37 Claims. (Cl. 197—126)



37. In a manifolding attachment for a record printing machine, a supporting structure including a pair of spaced uprights, a frame pivoted at one end to one of the uprights and pivoted at an intermediate point to the other of the uprights whereby a portion of the frame extends beyond the last mentioned upright, a manifolding attachment secured to the extending end of said frame, and means for adjusting the height of the frame at said intermediate pivot point in order to change the vertical position of the attachment with respect to the position of the record printing machine.

2,298,411

COPPER SWEETENING HYDROCARBON OILS

Davis Read, Jr., and Wayne L. Benedict, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Original application August 18, 1939, Serial No. 290,846. Divided and this application May 31, 1940, Serial No. 338,224

2 Claims. (Cl. 252—189)

1. A process for manufacturing an oil refining agent comprising heating a granular carrier to a temperature within the range of approximately 250–400° F., mixing with said carrier a solution of copper sulfate and an alkalinous chloride, the weight ratio of copper sulfate to said chloride being within the limits of approximately 50:50 and 67:33, said solution being heated to a temperature within the range of approximately 150–250° F. and allowing a portion of the excess water to evaporate.

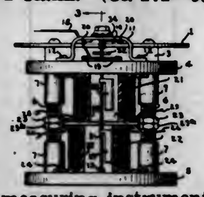
2,298,412

ELECTRICAL MEASURING INSTRUMENT

Jack Remde, Bluffton, Ohio, assignor to R. L. Triplett, Bluffton, Ohio

Application January 11, 1940, Serial No. 313,303

1 Claim. (Cl. 171—95)



A voltage-measuring instrument comprising a casing containing a plurality of solenoids arranged end to end, conductors brought out from each solenoid to separate terminals on the casing, a common pointer shaft extending through the solenoids, a pole piece secured to the interior of each solenoid and extending toward said shaft, and metal vanes extending outwardly from said shaft and positioned in each of the solenoids whereby the vanes magnetically cooperate with the respective pole pieces to produce a composite rotational effort on the shaft when the solenoids are excited by separate voltages, said shaft being constituted of insulating material to minimize magnetic effects between the vanes, one of said solenoids being concentrically mounted with respect to said shaft and another of said solenoids being eccentrically mounted, the said metal vanes being rigidly attached to the said insulating shaft thus serving to prevent magnetic interference between said coils and vanes, the said shaft being of one piece of insulating material and its ends forming bearing elements, and a pointer mounted on said insulating shaft.

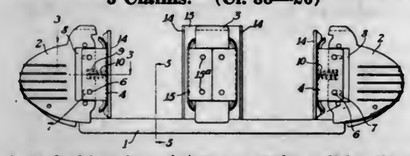
2,298,413

MEANS FOR POSITIONING LANTERN SLIDES

Charles D. Reid, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 24, 1941, Serial No. 390,139

3 Claims. (Cl. 88—26)



1. A holder for picture carrying slides for use in projectors including a source of light and an objective, said slides including picture carrying elements with or without a coverglass of known thickness, said holder including, in combination, a base plate, a pair of spaced rails on the base plate in spaced relationship, at least one rail being movably mounted, a spring tending to press the movably mounted rail towards the opposite spaced rail, each rail including a pair of walls arranged to form a substantially V-shaped groove, the walls being unsymmetrical, the angle of one rail being greater than the angle of the facing rail with respect to the slide holder, whereby a slide may be held to one side of the center of the spaced rails for projection, the inclination of one wall relative to the other wall being selected to space the picture-carrying element of a glass covered slide further from the objective of a projector than the picture-carrying element of an uncovered slide to compensate at least in part for the difference in focal plane between the two types of slides.

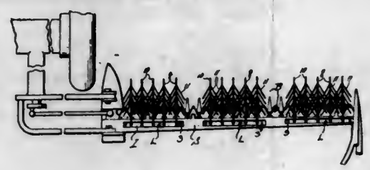
2,298,414

LIFTING ATTACHMENT FOR MOWING MACHINES

Charles Thelmon Rice and Clyde Talmadge Carmichael, Albuquerque, N. Mex.

Application February 10, 1942, Serial No. 430,268

5 Claims. (Cl. 56—312)



1. A pod lifting attachment for a mowing machine to be mounted upon the sickle bar of the machine, said attachment comprising a base bar to be connected to the sickle bar, rods secured to the base bar at points spaced lengthwise thereof, said rods extending forwardly from the base bar and having their outer end portions downwardly offset with respect to the rear portions of the bars, each of said rods being of a length to position the forward portion of the rod in advance of the sickle blade associated with the sickle bar and said forward portion of the rod being offset with respect to the inner portion of the rod sufficiently to position said forward portion of the rod below the cutting blade of the mower, and upwardly and rearwardly inclined fingers carried by each of the rods at points spaced lengthwise thereof.

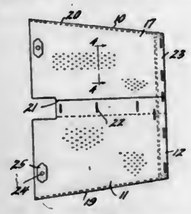
2,298,415

GLOVE COMPARTMENT CONSTRUCTION

Frederick G. Richardson and George T. Balfe, Detroit, Mich., assignors to Detroit Gasket & Mfg. Co., Detroit, Mich., a corporation of Michigan

Application March 27, 1939, Serial No. 264,429

1 Claim. (Cl. 220—18)



A vehicle glove compartment adapted to be secured behind the dash of the vehicle and having a body wall and one end wall, the other end being open whereby to be positioned immediately behind the dashboard, said body wall being formed from laminated material comprising a layer of thin sheet metal having a multiplicity of closely arranged tangs struck therefrom with a perforation adjacent each tang and a substantially coextensive layer of sound deadening and lining non-metallic board-like material united to the inner side of the metal layer by the tangs, said layer having the tangs embedded therein and overlying said perforations, the wall being formed by bending the laminated material to glove box shape and having means adjacent said open end for securing the compartment in position with the open end immediately behind a vehicle dashboard.

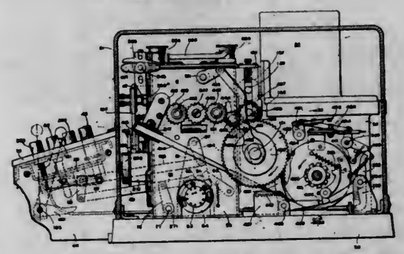
2,298,416

CARD VERIFIER

Robert W. Ritzert, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application February 10, 1939, Serial No. 255,706

20 Claims. (Cl. 73—54)

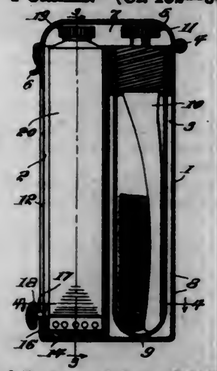


8. In a machine for verifying a record card having columns of perforations in a plurality of codes, means for sensing the coded perforations in each column of said card, a plurality of keys, a shaft, a translator connecting said keys and said sensing means, said translator comprising a frame fixed to said shaft and having two pairs of plates thereon, one of said pairs of plates supporting a plurality of elements for causing the card to be sensed in one code and the other supporting a plurality of elements for causing the card to be sensed in another code, and means for rocking said shaft for interposing either of said sets of elements between said keys and said sensing means.

18. In a machine of the class described; a movable card carriage; a single column of sensing pins adapted to sense the presence and absence of perforations in the upper and lower path of the card carried on said carriage; means for selectively marking the edges of the card, said means comprising two ink wicks fed by ink reservoirs and adapted to be resiliently held against the upper and lower edges of said card; means for disengaging the wick from the lower edge of the card while the upper half of the card is being sensed and for disengaging the wick from the upper edge of the card while the lower half is being sensed; and means under control of said sensing pins for disabling said marking means when said sensing pins sense an incorrect perforation whereby both of said wicks are disengaged from the edges of the card.

20. In a machine of the class described, means for sensing columns of perforations in a record card, means for mutilating said card, a key operable mechanism, means under control of said sensing means for coupling said key operable mechanism and said mutilating means upon the sensing of an incorrect perforation, and additional means under control of said sensing means for retaining said key operable mechanism and said mutilating means in coupled relation, said retaining means being adapted to be rendered ineffective upon the operation of said key operable mechanism whereby said key operable mechanism and said mutilating means may be uncoupled.

2,298,417
TOILET KIT
John Rocca, Graterford, Pa.
Application September 8, 1941, Serial No. 410,104
4 Claims. (Cl. 132—84)



1. A toilet kit, comprising a body portion having an open ended compartment therein, a follower in said compartment, spring means for oscillating said follower, a stud carried by the follower and extending through a slot in the wall of the compartment and co-operating with one wall of the slot for holding the follower in its vertically adjustable position.

2,298,418
PROCESS FOR MACHINING METALS USING CUTTING TOOLS
Gerhard Roesner and Ludwig Schuster, Frankfort-on-the-Main, Friedrich Karl Freiherr Göler von Ravensburg, Neu-Isenburg, near Frankfort-on-the-Main, Heinrich Faber, Berlin-Steglitz, and Hermann Riske, Genthin, Germany, assignors to American Lurgi Corporation, New York, N. Y., a corporation of New York
No Drawing. Application February 28, 1939, Serial No. 259,070. In Germany March 4, 1938
9 Claims. (Cl. 29—148)

2. In machining metals, the step of cutting the metal in the presence of an aqueous solution containing the chromic acid radical and the phosphoric acid radical which is chemically active on the metal.

2,298,419
REINFORCED PACKAGE
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application March 23, 1940, Serial No. 325,539
1 Claim. (Cl. 229—53)



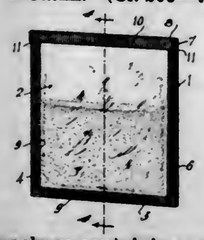
A package containing a fluent substance, comprising two pieces of flexible material each having edge portions folded and returned upon itself, said pieces being arranged with said edge portions of one piece nested within the corresponding edge portions of the other piece and facing in the opposite direction, with corresponding folds of the two pieces coincident with each other, each edge portion being sealed only along its marginal zone throughout its length to the main portion of the other piece inwardly of the corresponding said fold, and the portions of said pieces between said marginal zones including said corresponding folds being free from each other so that said portions are flexible and the strains incident to the tendency of the contents of the package to press outwardly at the folded edges are transmitted through the sealed marginal zones to the main portions of said pieces of material substantially inside said folds.

2,298,420
MARKED AND SCORED PACKAGE
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application November 28, 1940, Serial No. 367,500
1 Claim. (Cl. 99—77.1)



An infusion package comprising layers of tough, porous, fibrous material that is capable of being burned, said layers being sealed together at their margins into flanges and forming a container portion for an infusible substance and a separate tag portion on the flange at one margin, there being a line of closely spaced perforations burned through said layers of said flange between said container portion and said tag portion, and the material between said perforations being scorched and embrittled, whereby said layers are weakened along said line of perforations to facilitate separation of said tag portion and the edges of said perforations are of a color contrasting with the color of said material so as to be easily visible and are devoid of pendant fragments of material which might contaminate the infusion liquid.

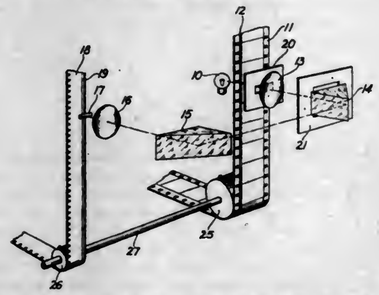
2,298,421
DISPLAY PACKAGE
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application February 1, 1941, Serial No. 376,966
1 Claim. (Cl. 206—78)



A display package containing powder and comprising an opaque back sheet having the same color at both sides, a transparent sheet overlying one side of said opaque sheet and having all marginal portions except one sealed directly to the corresponding marginal portions of said side of the opaque sheet along zones of uniform width and appearance and forming a powder receiving pocket between the sheets having a mouth between said one marginal portion of the transparent sheet and said opaque sheet, said one

marginal portion of the transparent sheet terminating short of the corresponding marginal portion of the opaque sheet which forms a flap which is folded over and sealed to the outside of said one marginal portion of the transparent sheet along a zone of substantially the same appearance as the other said zones to close said mouth and conceal any powder that lies between said opaque sheet and said marginal portion of the transparent sheet at said mouth, the color of the opaque sheet being visible throughout all of said zones and said flap being substantially indistinguishable from the other sealed zones so that said zones form a continuous border surrounding said compartment and of substantially uniform appearance throughout.

2,298,422
SOUND PRINTER
Otto Sandvik and John H. McLeod, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 25, 1939, Serial No. 286,419
12 Claims. (Cl. 88—24)



1. A sound printer for printing a variable density sound track from a variable width sound track comprising a sound gate past which said variable width sound track may be vertically moved, a printing gate past which the portion of a sensitive film which is to receive said variable density sound track may be vertically moved, said sound and printing gates having horizontal widths substantially equal to those of their respective sound tracks and having heights greater than twice that occupied by one cycle of the highest frequency recorded in the sound tracks, means for illuminating the sound gate, an optical system between the sound and printing gates for focusing on the printing gate an astigmatic image of the sound gate, said optical system including a plurality of lenses at least one of which is a substantially spherical converging lens and at least one of which is cylindrical, said plurality of lenses being so arranged that said astigmatic image is vertically punctual and horizontally diffused at least to the width of the printing gate and means for moving the film synchronously past their respective gates.

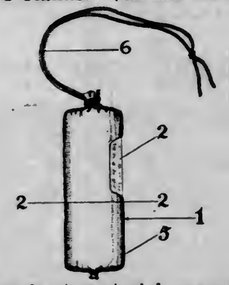
2,298,423
SHOE
August R. Schoenky, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 24, 1940, Serial No. 371,542
1 Claim. (Cl. 36—30)

In a shoe, the combination of an upper, an insole provided with three cylindrical holes in its forepart, two holes being located adjacent to the ball line and one hole adjacent to the toe, and a partial filler having integral substantially cylindrical solid projections on its upper face, said



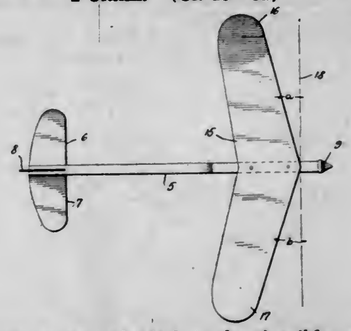
projections being constructed and arranged to enter and fill the holes in the insole.

2,298,424
ABSORBENT MATERIAL
Frederick W. Schreiber, Highland Park, N. J., assignor to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey
Application May 7, 1940, Serial No. 333,742
3 Claims. (Cl. 128—270)



1. An absorbent material comprising a mass of comminuted cellulosic fibers and a water-soluble and expansible organic gum, said gum being present in a finely divided state distributed throughout the entire mass of said cellulosic fibers whereby the fibers of said absorbent material will be further separated upon absorption of a liquid and expansion of said gum.

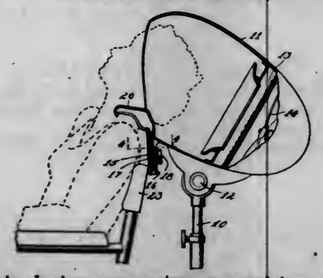
2,298,425
TOY GLIDER
George W. Shaffer, New York, N. Y.
Application September 8, 1941, Serial No. 410,096
1 Claim. (Cl. 46—81)



A toy glider adapted to be forcibly ejected into the air, comprising an elongated fuselage, a rudder and a stabilizer secured to the rear end portion of the fuselage, a substantially V-shaped wing fixed along its transverse center to the front end portion of the fuselage and with its angle portions extending rearwardly an equal distance upon opposite sides of the fuselage,

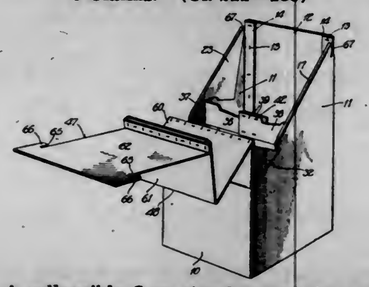
and one angle portion being arranged at an angle greater than that of the other angle portion for effecting a dip of the glider to bring about a looping movement thereof in flight and the return of the glider substantially to its starting point.

2,298,426
HAIR DRYING APPARATUS
Grace M. Shinn, Des Moines, Iowa, and Leo B. James, Downers Grove, Ill.
Application March 31, 1941, Serial No. 386,056
1 Claim. (Cl. 34—99)



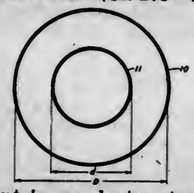
A hair-drying apparatus, comprising a hollow body portion having an open end to receive a patient's head, a heating device in the hollow body, and a combined head rest and neck protector, comprising a supporting plate fixed to the hollow body and extended completely across the lower portion of the opening therein, and a head rest portion slidingly mounted on the supporting plate for vertical movement, a set screw for holding it in various positions of adjustment, said head rest portion having its upper portion shaped to fit back of a patient's head and having its body portion extended vertically and of a width to completely cover the lower portion of the hollow body and whereby the head rest member may be adjusted to comfortably fit heads of different sizes and when in any position of such adjustment, the patient's neck and shoulders will be protected from heat within the hollow body.

2,298,427
FLOOR STAND
Bertram Sianhoff, Brooklyn, N. Y., assignor to Corro-Lith Corporation, New York, N. Y., a corporation of New York
Application May 5, 1941, Serial No. 391,931
9 Claims. (Cl. 211—135)



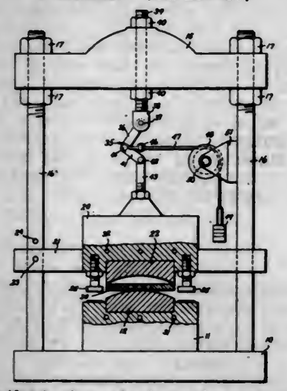
7. A collapsible floor stand comprising a lower supporting section of tubular form including a front wall, a rear wall and side walls permanently and hingedly connected together, the side and rear walls being extended to a point above the front wall to provide a shelf receiving section disposed above the supporting section, an inwardly folding wing section hingedly connected to the upper edge of the front wall of the supporting section and adapted to fold inwardly thereof, scored triangular panels hingedly connecting the ends of said wing section to the side walls of the supporting section, a shelf forming member comprising a plurality of hingedly connected panels secured at one end to the inwardly folding wing section of the front wall and adapted to move therewith into shelf forming position within the shelf receiving section, and means for retaining the shelf forming member in shelf forming position within the shelf receiving section of the stand.

2,298,428
TRANSMISSION LINE
Phillip H. Smith, Denville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 19, 1939, Serial No. 290,950
4 Claims. (Cl. 178—44)



3. A concentric conductor transmission line comprising outer and inner cylindrical electrical conductors arranged concentrically so that one serves as a return path for the other and insulated from each other by a dielectric that is largely gaseous, the ratio of the inner diameter of a given outer conductor and the outer diameter of the inner conductor being such value that the characteristic impedance of the line is approximately 30 ohms.

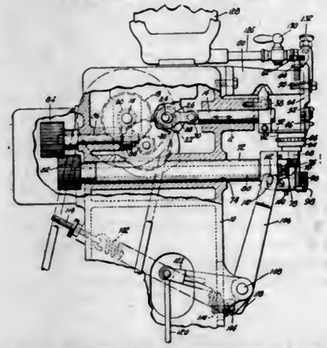
2,298,429
METHOD AND APPARATUS FOR AUTOMATIC PRESSURE CONTROL IN MOLDING OF SYNTHETIC RESINOUS MATERIALS
Charles V. Smith, Dayton, Ohio, assignor to The Univis Lens Company, Dayton, Ohio, a corporation of Ohio
Application August 23, 1940, Serial No. 353,929
6 Claims. (Cl. 18—17)



1. A method of producing a lens from a blank of resinous material which consists of placing a blank of resinous material on one part of a two-part heated mold, applying the other part of the mold to said blank, establishing a force of constant magnitude, elevating the temperature of said blank while in said mold to render the blank plastic whereby said blank is shaped between said mold parts, and so applying said force of constant magnitude to one of said mold parts that the pressure on the blank gradually increases as the blank becomes more and more plastic, stopping the movement of said last named part at a definite point according to the thickness desired in the finished blank, and thereafter cooling the blank to set the same.

4. An apparatus for producing a lens from a blank of resinous material, comprising a two-part heated mold, one part of which is adapted to receive said blank, means for applying the other part of the mold to said blank, means for elevating the temperature of said blank while in said mold to render said blank plastic whereby said blank is shaped between said mold parts, said part applying means including means for establishing a constant force and means cooperating with said last mentioned means for gradually increasing the pressure on the blank as the same becomes more and more plastic, and means for stopping the movement of said other part at a definite point according to the thickness desired in the finished blank.

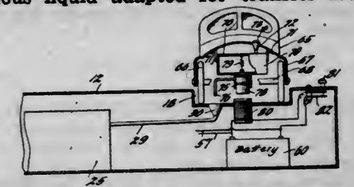
2,298,430
TRIMMING MACHINE
Ernest W. Stacey, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 18, 1940, Serial No. 361,709
5 Claims. (Cl. 12—85)



1. In a machine for trimming the edge of a piece of sheet material, a driven feed roll having a toothed periphery constructed and arranged to penetrate the material to a substantial depth inwardly of the edge thereof, a cylindrical smooth-surfaced member at one end of the feed roll, the diameter of which is less than the diameter of the feed roll but great enough to engage the material without distorting it when the teeth of the feed roll have penetrated the material, and trimming means arranged at the end of the cylindrical member remote from said feed roll for trimming surplus stock from the edge of the material as it is fed.

2,298,431
TOY
Charles J. Sullivan and Hattie T. Leister, Arlington County, Va.
Application November 14, 1939, Serial No. 304,398
10 Claims. (Cl. 46—39)

1. A toy automotive combination comprising a simulated automotive vehicle and a service station therefor, said vehicle being provided with a tank with inlet and outlet openings therein, said service station comprising a simulated gasoline pump structure and storage tank, an innocuous liquid adapted for transfer from the

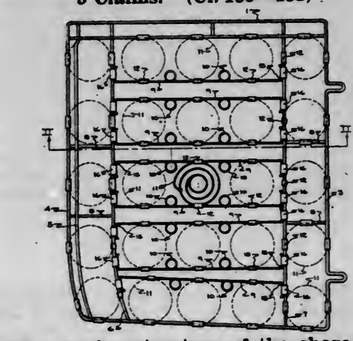


storage tank to the pump and thence to the vehicle tank, a conduit leading from said storage tank to said pump, actually operative liquid pumping means in said simulated pump structure, and discharge connections for transferring said liquid from said vehicle tank to said storage tank.

2,298,432
LUBRICATION AND FUGITIVE TINTING OF SYNTHETIC YARNS
Howard A. Thompson, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 16, 1940, Serial No. 370,348
13 Claims. (Cl. 252—8.8)

1. The method of lubricating yarns composed of or containing an organic derivative of cellulose which comprises applying thereto an aqueous emulsion containing as its essential lubricating component butyl stearate emulsified with an emulsifying agent selected from the group consisting of blown neat's-foot oil and phosphated blown neat's-foot oil as a primary emulsifying agent, and a secondary emulsifying agent, together with a blending agent.

2,298,433
SPRING STRUCTURE
Enos C. Throop, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a corporation of Delaware
Application July 12, 1940, Serial No. 345,034
5 Claims. (Cl. 155—181)



5. In a spring structure of the character described, a rear structure, a plurality of helical springs supported from said rear structure, said rear structure and springs being connected together to provide a unit, said rear structure having a pair of elongated spaced members and a plurality of resilient longitudinally extending wires arranged in separate pairs bridging said

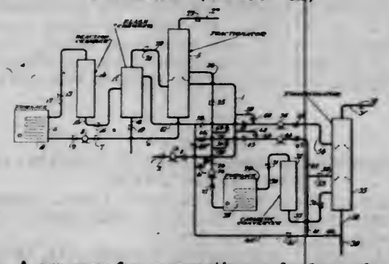
members, said wires having along their respective lengths a plurality of spaced bends to render said wires longitudinally expansible and contractible, said wires being arranged in pairs, said helical springs having their rear portions supported by said wires on portions between said bends, said helical springs bridging the members of said pairs.

2,298,434

CONVERSION OF HYDROCARBON OILS

Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application August 25, 1939, Serial No. 291,889
5 Claims. (Cl. 196—52)



1. A process for converting a hydrocarbon oil into substantial yields of relatively high antiknock gasoline which comprises charging said oil to a primary fractionation step and therein vaporizing a substantial portion of the oil, separating a relatively heavy unvaporized fraction of the oil, subjecting said fraction to non-catalytic cracking in a heating coil and communicating reaction chamber at a temperature and pressure adequate to effect substantial cracking thereof, passing the reaction products into a vaporizing zone at a reduced pressure, separating a residual fraction unsuitable for further conversion, passing the vaporized portion of the reaction products from said vaporizing zone to said primary fractionation step, separating the gas, gasoline, and an intermediate-boiling fraction, contacting said intermediate fraction and distillate fractions of the charging oil in vaporous form with a cracking catalyst in a catalytic cracking step under conditions adequate to effect substantial cracking thereof, passing the reaction products to a secondary fractionation step, recovering the gas and gasoline, separating the insufficiently converted oil from said catalytic cracking step into a low-boiling, an intermediate-boiling and a high-boiling fraction, mixing the high-boiling fraction with the low-boiling fraction, supplying the mixture to the aforesaid vaporizing zone of the non-catalytic cracking step, and returning the intermediate-boiling fraction from said secondary fractionation step to said catalytic cracking step.

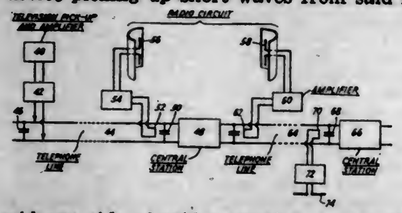
2,298,435

RADIO RELAYING

Harry Tunick, Rye, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application November 26, 1940, Serial No. 367,185
2 Claims. (Cl. 250—15)

1. A short wave relay system comprising a relatively long two wire transmission line, apparatus offering relatively high impedance to short waves connected in said line intermediate the ends thereof, an impedance having a low impedance value to short waves and high impedance value to long waves connected across one end of said line, a source of short waves, a circuit coupling said source to said line adjacent said impedance having low value to short waves and high value to long waves whereby short waves travel down said line to one side of said apparatus having high impedance connected in said line, a pick-up device picking up short waves from said line



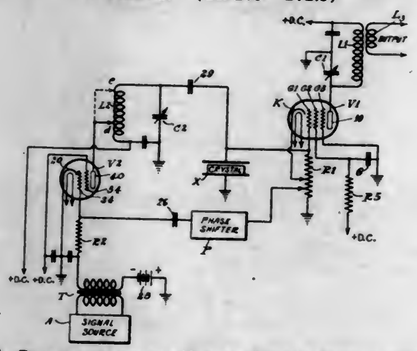
at said one side of said apparatus, an amplifier amplifying the picked up waves, a directive antenna system for directively transmitting said amplified short waves around said apparatus, and a circuit for feeding said directively transmitted short waves into said line at the other side of said apparatus for further transmission of said short waves down said line away from said apparatus.

2,298,436

FREQUENCY MODULATION

George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 5, 1940, Serial No. 338,837
12 Claims. (Cl. 179—171.5)



1. In a wave generating and wave length modulation system, an electron discharge device having electrodes including an anode, a cathode and a control grid electrode, an oscillation generating circuit coupled to electrodes of said tube including said grid electrode and said cathode, a piezo-electric crystal in a holder and an impedance in parallel included in said circuit between said grid electrode and said cathode, an output circuit coupled with said anode and cathode, a modulator tube having an anode, a cathode and a control grid, means coupling said modulator tube cathode to said cathode of said device, means coupling said modulator tube anode to said grid electrode, said crystal being in shunt in the coupling between the anode and cathode of the modulator tube and the grid and cathode of said device, means coupled with the control grid of said modulator tube for applying thereto voltage of the frequency of the oscillations generated by said oscillation generating circuit, phase shifting means in said last named coupling, and means for modulating the impedance of said modulator

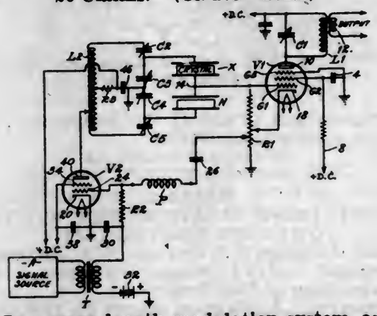
tube in accordance with control potentials to thereby modulate the length of the waves generated.

2,298,437

FREQUENCY MODULATION

George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 5, 1940, Serial No. 338,838
26 Claims. (Cl. 179—171.5)



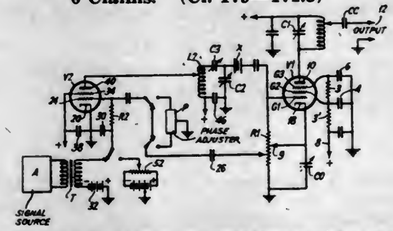
1. In a wave length modulation system, an oscillation generator of the electron discharge tube type having electrodes including a cathode and a control grid coupled in an oscillation generating circuit including a piezo-electric crystal and other electrodes coupled in an output circuit, an additional electron discharge tube having an anode and having a control electrode coupled to said generating circuit to derive excitation voltages therefrom, a circuit coupling the anode of said additional tube to said piezo-electric crystal to feed amplified excitation voltage to said crystal and from the crystal to the control grid of said first tube, means for shifting the phase of the amplified voltage fed by said additional tube to said control grid, and means for controlling the gain of said additional tube to modulate the wave length of the oscillations generated.

2,298,438

FREQUENCY MODULATION SYSTEM

George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application October 17, 1940, Serial No. 361,506
6 Claims. (Cl. 179—171.5)



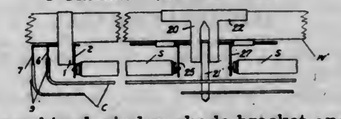
1. In a wave length modulation system, an oscillation generator of the electron discharge tube type having electrodes including a control grid, a cathode, and an electrode serving as an anode, connected in an oscillation generating circuit including a piezo-electric crystal and a reactance in series between said control grid and cathode, said tube having other electrodes connected in an output circuit, an additional electron discharge tube having an anode and having a control electrode coupled to said oscillation generating circuit to derive excitation voltages of the generated frequency therefrom, a tank circuit including a second reactance the first mentioned of said reactances and a third reactance, said third reactance being connected in series with said first reactance, said series arrangement of said first and third reactances being connected in shunt to said second reactance, a coupling between one end of said second reactance and ground, a coupling between the anode of said second named tube and a point above ground radio frequency potential on one reactance, said couplings serving to feed amplified voltages to said generating circuit in phase displaced relation relative to the voltages generated therein, and means to control the gain of said second tube at signal frequency to thereby control the amplification of the voltages fed to said generating circuit and frequency modulate the oscillations generated.

2,298,439

DETACHABLE COMBINATION SHADE AND CURTAIN ROD BRACKET

Elliott E. Vaughan and Thomas P. Tuck, Shreveport, La.

Application December 18, 1939, Serial No. 309,726
3 Claims. (Cl. 248—253)



2. A combined window shade bracket and curtain rod support comprising a base plate member adapted to lie flat against a window casing or the like, a supporting strap for supporting the said base plate member adapted to hang on the said window casing or the like, an outwardly projecting integral window shade bracket extending from the said base plate member, an outwardly projecting integral curtain rod support arm extending from the said base plate member and a detachable curtain rod support provided with a locking means for locking the same onto both the said integral window shade bracket and the said integral curtain rod support arm, said locking means including a notch in the said detachable curtain rod support into which the said integral curtain rod support arm extends and a pair of notches one provided in the said integral window shade bracket and the other in the said detachable curtain rod support to permit an interlocking engagement of the said detachable curtain rod support with the said integral window shade bracket.

2,298,440

COIN COLLECTOR

Leonard Vieth, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

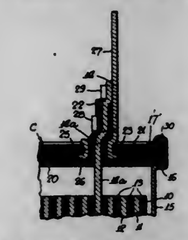
Application June 12, 1940, Serial No. 340,069
4 Claims. (Cl. 194—101)



1. In a coin collector, a pair of spaced plates of non-magnetic material having guide rails

therebetween defining a coin channel between said plates, said channel having a substantially vertical section down which a coin falls after being deposited in said channel, one of said plates in the lower portion of said section having a slot, a movable member mounted externally to said plates and extending along said vertical section for a substantial distance, said member having a projection adapted to enter said slot to provide a coin supporting surface obstructing the passage of coins through said section, said member being biased to maintain said projection in coin non-obstructing position, said vertical section adjacent to and above said projection in its coin obstructing position having an opening through which a deposited coin may be deflected when said projection occupies its coin obstructing position and magnetized means mounted on said member a substantial distance above said projection for magnetizing a magnetic slug traversing said section to an extent insufficient to cause the mutual magnetic attraction therebetween to stop the progress of said slug down said section but sufficient to move said means towards said slug and advance said projection into its coin obstructing position.

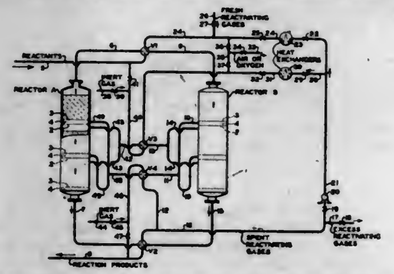
2,298,441
ELECTROLYTIC CELL
Herbert Waterman, Collingswood, N. J., assignor to Aerovox Corporation, New Bedford, Mass., a corporation of New York
Application January 8, 1940, Serial No. 312,815
7 Claims. (Cl. 175—315)



1. An electric cell of the type comprising a container, an active unit therein including a fluid ingredient, said unit having terminals; the combination therewith of a flexible liquid tight gasket having sleeve portions encircling part of the length of the respective protruding terminals, a cover compressing the gasket material against the container at the periphery thereof and metallic means carried by said cover and clasped about said sleeve portions.

2,298,442
TREATMENT OF HYDROCARBONS
Kenneth M. Watson and Robert L. Smith, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 25, 1940, Serial No. 337,168
3 Claims. (Cl. 252—242)

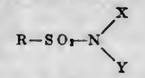
1. In a process employing a relatively large mass of catalyst which becomes carbonized upon use wherein said mass is divided into a series of relatively small beds, the method of regenerating the carbonized catalyst mass while maintaining a substantially uniform regenerating temperature which comprises passing a stream of oxygen-containing gas in series through said beds to burn carbonaceous matter therefrom, removing a portion of the gases from said stream between successive beds and adding relatively cool oxygen-containing gas to the stream between the



successive beds to adjust the temperature and oxygen concentration thereof.

2,298,443
NONDIFFUSING SULPHONAMIDE COUPLER FOR COLOR PHOTOGRAPHY
Arnold Weissberger, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 22, 1940, Serial No. 353,669. In Great Britain August 24, 1939
8 Claims. (Cl. 95—6)

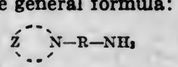
1. A photographic emulsion for forming colored images comprising a colloidal carrier containing a sensitive silver halide and a coupler compound having the formula:



where R is an aryl radical other than a hydroxy substituted aryl radical, X is a phenyl substituted alkyl radical and Y is selected from the class consisting of alkyl and aryl radicals, said coupler compound containing at least one group selected from the class consisting of methylene and ethenol which is reactive with primary aromatic amino developers.

2,298,444
LIGHT SENSITIVE DIAZOTYPE MATERIAL
Arnold Weissberger and Waldemar Vanselow, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 15, 1940, Serial No. 361,263
6 Claims. (Cl. 95—7)

1. A light sensitive diazotype material comprising a light sensitive diazo derivative of a compound having the general formula:



wherein R represents a benzene nucleus, and Z represents the non-metallic elements necessary to complete a morpholine nucleus.

2,298,445
THRESHER
Albert B. Welty, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 19, 1939, Serial No. 310,012
3 Claims. (Cl. 130—27)

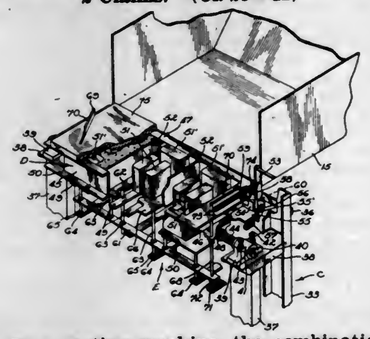
1. A threshing element adapted to be attached to a threshing cylinder and comprising a member

of considerable length adapted to extend generally lengthwise of the threshing cylinder and having a portion provided with notches and adapted to extend generally outwardly from the cylinder, and a rubber part extending along the member in contact with the said portion thereof



and varying in thickness from a minimum at one side at the notches to a maximum at the other side spaced rearwardly from the notches in the direction of rotation so as to provide a beating surface extending from the base of the notches to a point considerably radially outward of the base of the notches.

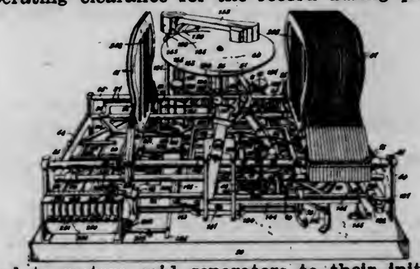
2,298,446
CASTING MACHINE
Martin L. White, Los Angeles, Calif.
Application January 10, 1938, Serial No. 184,240
2 Claims. (Cl. 25—41)



1. In a casting machine, the combination of: a supporting frame; a mold frame rotatably mounted on said supporting frame upon a horizontal axis and adapted when in upright position to receive the material to be cast; a lever for rotating said mold frame, said lever being pivotally mounted on said mold frame on an axis parallel to the mold frame axis and limited in its angular movement in one direction of rotation by a first contact engagement with said mold frame, and in the other direction of rotation by a second contact engagement with said mold frame; means for automatically latching said lever with said supporting frame when said lever is in its position of said first contact engagement and said mold frame is in upright position, said latching means being inoperative when said lever is in its position of said second contact engagement; and resilient means for holding said lever in its position of said first contact engagement and for yieldably resisting angular movement of said lever from its position of said first contact engagement to its position of said second contact engagement.

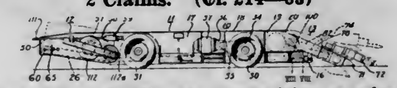
2,298,447
AUTOMATIC PHONOGRAPH
Theodore M. Wright, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application January 10, 1939, Serial No. 250,252
75 Claims. (Cl. 274—10)

5. An automatic phonograph, comprising a turntable movable vertically to and from an elevated playing position, a horizontally-partible record magazine composed of alined upright separators between which the records are individually supported in edgewise relation to the turntable, means disposed for releasable clamping engagement with said magazine-separators as a unit to bodily shift them to and from one or another of a plurality of selective positions over the turntable to present a given record in the axial plane of the turntable, magazine-parting means disposed for releasable coupling engagement with those magazine-separators at opposite sides of a selectively-positioned record for shifting them in opposite directions to provide an operating clearance for the record during play



and to restore said separators to their initial position after play, record-gripping means disposed laterally of the path of travel of the magazine transversely of the turntable-axis and pivoted to swing toward and from each other into and out of edgewise engagement with a selectively-positioned record for supporting it during the parting and restoring movements of the magazine, said gripping means being pivoted to swing a record to and from a horizontal playing position in the axial plane of the turntable, and means for actuating the foregoing means in predetermined sequence.

2,298,448
SELF-LOADING AND SELF-PROPELLED VEHICLE
Einar M. Arentzen, Franklin, Pa., assignor, by mesne assignments, to Joy Manufacturing Company, Franklin, Pa., a corporation of Pennsylvania
Application June 6, 1939, Serial No. 277,627
2 Claims. (Cl. 214—83)



1. A mine shuttle car comprising a wheeled body having outwardly sloping sidewalls and a substantially flat floor, an auxiliary body pivoted to said first mentioned body below the floor thereof and having side walls and a floor forming a continuation of the side walls and floor thereof, a conveyor operating over the floors of said body and auxiliary body for moving material from one end of said car to the other, mechanisms attached to the side walls of said body and auxiliary body respectively for raising and lowering said auxiliary body to vary the elevation of the discharge end thereof, and means for maintaining said conveyor in operable position at all elevations of said auxiliary body.

2,298,449
ANTENNA
Arnold B. Bailey, Scotch Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 8, 1941, Serial No. 418,363
12 Claims. (Cl. 250—11)

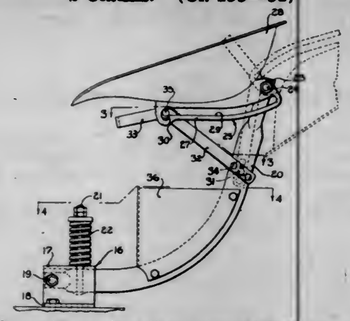
1. An antenna for securing equi-intensity radio

action in all directions in a given plane comprising a pair of sheet conductors each spirally twisted about one of its longitudinal edges and having both faces or surfaces exposed to the ether medi-



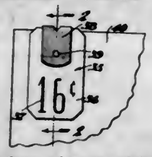
um, the corresponding transverse segmental portions of said sheet conductors being included in a plane perpendicular to said first-mentioned plane and containing said edges substantially.

2,298,450
SEAT
David B. Baker, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 23, 1939, Serial No. 310,718
2 Claims. (Cl. 155—51)



1. A seat construction comprising an upright tubular support having its upper end flattened diametrically to provide a wider portion, a generally horizontally extending inverted channel having vertical side portions embracing and pivoted for tilting at one end to the support on a horizontal axis passing through said wider portion, each side portion of the channel including an elongated guide slot therein having a downwardly directed notch, said slots and notches being alined, a seat carried on the channel, and a brace in the form of a bail having its legs at its open end embracing and pivoted to the support below the first pivot and extending between the sides of the channel and having its closed end disposed beyond said channel to provide a handle portion near one edge of the seat, said bail having guide members respectively slidably engaging the slots in the channel side portions, said members engaging the channel at one end of the slots to support the seat in substantially horizontal position and at the other end of the slots to support the seat in tilted position, said members on the bail respectively engaging the aforesaid notches upon slight upward movement of the seat to prevent accidental tilting of the seat, said handle portion on the bail providing means for releasing the members from the notches for permitting tilting of the seat.

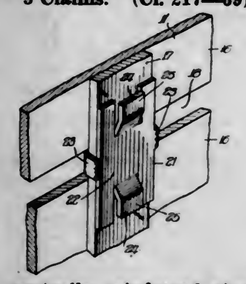
2,298,451
TAG DISPENSER
Harry G. Balthasar, West Tower Park, Ohio, assignor to The Sprayomatic Products Company, Cincinnati, Ohio, a corporation of Ohio
Original application December 15, 1937, Serial No. 179,974. Divided and this application February 2, 1940, Serial No. 317,040
7 Claims. (Cl. 93—88)



1. A dispenser for price marking tickets adapted to be severed from an accordion pleated piece of material and providing flaps adapted to be engaged over the edge of flat merchandise, comprising a magazine supporting the stack of tickets constituted by said strip, a support at the lower end of the magazine for retaining the stack within the magazine and the lowermost ticket in position for attachment, said magazine and support providing a throat into which flat merchandise is inserted, a cutting blade supported adjacent the magazine, and a pivotal mounting for the magazine, said cutting blade adapted to sever the lowermost ticket as adjacent tickets engage above and below the blade.

2. A dispenser for price marking tickets consisting of overlapped strips of material, said dispenser comprising a magazine supporting a stack of said tickets, a support at the lower end of the magazine for retaining the stack within the magazine and the lowermost ticket in position for attachment, said magazine and support providing a throat into which the flat merchandise is inserted, and means on the magazine for holding the lowermost ticket with the flaps constantly spread for insertion of said merchandise.

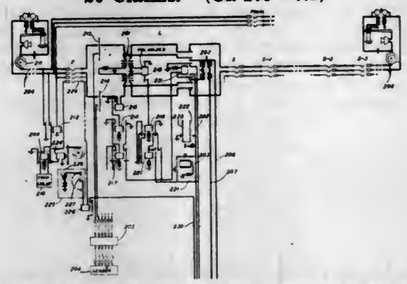
2,298,452
CENTRALLY REINFORCED SINGLE COMPARTMENT CITRUS BOX
Ernest C. Barker, Oak Park, Ill., assignor to The Gerrard Company, Inc., Chicago, Ill., a corporation of Delaware
Application November 27, 1939, Serial No. 306,259
5 Claims. (Cl. 217—69)



1. In a centrally reinforced single compartment citrus box of the type which is approximately twice as long as it is wide or high, box

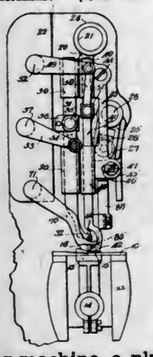
sides composed of spaced slats with cleats secured to the outer faces of the slats crosswise of the latter at the center and ends, a wire stapled to the center cleat on one of the sides of the box and provided with free ends which are long enough to encircle the box in line with said cleat, and a wire attaching clip on the other side of the box provided with anchoring tongues which are bent around the side edges of the center cleat on that side of the box in the gap between the spaced slats, said clip being provided with wire securing formations to which both of the ends of the wire may be separately secured.

2,298,453
SERVICE MEASURING SYSTEM
Henry M. Bascom, Brooklyn, and William A. Rhodes, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 23, 1939, Serial No. 291,484
20 Claims. (Cl. 179—7.1)



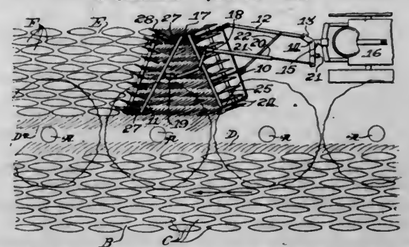
1. In a telephone system, subscribers' lines, means for establishing a conversational connection between a calling line and a called line, means for charging one of the subscribers an amount dependent on the duration of conversation, and automatic means controlled by said charging means to orally announce to said subscriber the amount of the charge.

2,298,454
FOLDING MACHINE
Bryan Beatty, St. Louis, Mo., assignor to The Peerless Machinery Company, Boston, Mass., a corporation of Massachusetts
Application November 6, 1940, Serial No. 364,484
5 Claims. (Cl. 12—54)



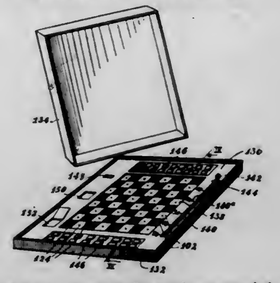
1. In a folding machine, a plurality of folding instrumentalities, means for reciprocating said instrumentalities independently, a plate pivotally mounted on the head of the machine by which plate said instrumentalities are carried and relative to which said instrumentalities are reciprocated, a stationary bed on which the work rests, said bed having an opening therein, a pivotally mounted anvil reciprocable in the opening in timed relation to the movement of the plate by which the instrumentalities are carried, means for reciprocating said plate and anvil whereby the work is advanced by the travel of anvil and plate in one direction, a presser foot carried by the head and means by which said foot is intermittently moved toward and from the bed whereby the work is clamped to the bed as the anvil and plate travel in the opposite direction.

2,298,455
HARROW
Bert R. Benjamin, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 24, 1939, Serial No. 305,840
6 Claims. (Cl. 55—83)



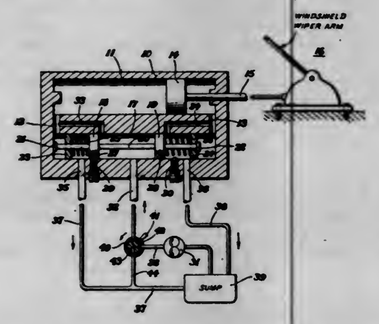
1. A tilling implement comprising front and rear gangs, each gang including a generally transverse shaft mounted for rotation, a plurality of concavo-convex disks carried at their centers by one shaft for rotation therewith, and a plurality of planar disks carried by and for rotation with the other shaft respectively at points spaced from their centers.

2,298,456
MECHANICAL CHESSBOARD
Francisco Benkö, Buenos Aires, Argentina
Application September 30, 1940, Serial No. 359,146
In Argentina November 6, 1939
8 Claims. (Cl. 35—8)



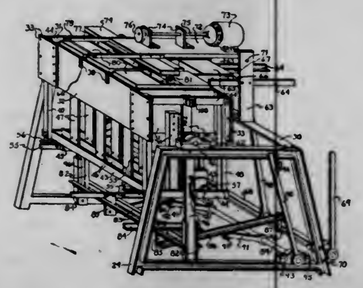
1. A mechanical chessboard comprising a table, a plurality of blocks covering a portion of said table and corresponding to squares of a chessboard, said blocks being individually displaceable to expose the portion of table therebeneath, and an exchangeable chart representing a particular game insertable between said table and blocks having indicia thereon indicating whether or not a displaced block is the proper arrival square for a particular move of a chessman.

2,298,457
VARIABLE STROKE MOTOR
Donald M. Berges, Tenafly, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 18, 1941, Serial No. 389,253
3 Claims. (Cl. 121—150)



1. In a hydraulic motor including a piston having a working stroke in two directions of travel, valve means for permitting the travel of said piston in each direction and for reversing the direction of travel of said piston, said valve means including a valve rod, two spaced valve members fixed to said rod, two auxiliary piston members slidably carried by said valve rod and maintained resiliently spaced from said valve members, a valve and piston chamber enclosing said valve members and auxiliary pistons, detent means for selectively holding one of said valve members in a fixed position, and fluid ports opening on opposite sides of said pistons, whereby, upon the increase of fluid pressure beyond a predetermined value, said auxiliary pistons will be selectively urged toward its corresponding valve member with a force sufficient to free said valve member from said detent and move it to reverse the direction of fluid flow against said piston.

2,298,458
BLOCK MOLDING MACHINE
Elie Owen Blackwell, Gainesville, Fla.
Application July 19, 1939, Serial No. 285,446
11 Claims. (Cl. 25—41)

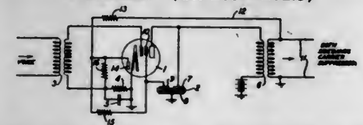


1. A block molding machine comprising a frame, a rotary molding cradle rotatably mounted in the frame, a block forming box-sleeve slidably mounted in the molding cradle and an elevator adapted to move to and from the said cradle, said elevator being slidably mounted on the said frame.

2,298,459
PREPARATION OF 4-METHYL HYDROXY COUMARINS
Albert B. Boese, Jr., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application October 9, 1940, Serial No. 360,430
7 Claims. (Cl. 260—344)

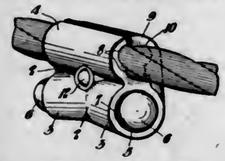
1. In the process of preparing 4-methyl hydroxy coumarins by the reaction of a phenol and an acetoacetic ester in the presence of a condensation catalyst, the step of separating the water and alcohol concurrently produced during the reaction by employing an inert solvent to form an azeotropic mixture with the water and alcohol, distilling off said azeotropic mixture, and thereby securing said substituted coumarin in a state substantially free of water and alcohol.

2,298,460
MODULATED OSCILLATOR
William H. Boghosian, Forest Hills, and Foster A. Hinshaw, St. Albans, N. Y., and Henry G. Och, West Englewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 3, 1941, Serial No. 391,676
3 Claims. (Cl. 179—171.5)



1. In a carrier wave modulating circuit, a space discharge device having at least triode elements, a source of modulating waves and a transmission circuit, a piezoelectric crystal coupling electrodes of said device to cause the devices to produce oscillations of the carrier frequency, circuits coupling said source of modulating waves with electrodes of said device to produce modulation of said carrier frequency oscillations, connections for impressing the modulated waves on said transmission circuit and for suppressing transmission of the unmodulated carrier component, said latter connections comprising a circuit including electrodes of said crystal in shunt across said transmission circuit to provide a substantial short circuit at the carrier frequency.

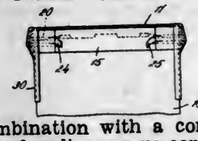
2,298,461
SAFETY REFLECTOR ASSEMBLY
Alan E. Brickman, Rostraver Township, Westmoreland County, Pa.
Application July 30, 1940, Serial No. 348,485
9 Claims. (Cl. 88—82)



1. A safety reflector assembly for highway guard cables comprising a body member having means arranged at each end thereof for receiving and housing a reflector button, a reflector button positioned at each end of said body member in the housing means carried thereby, an attaching portion carried by said body member having a plurality of grooves arranged therein

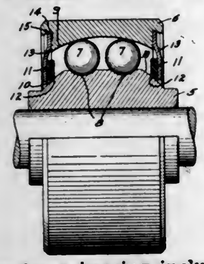
conforming to the contour of the guard cable with which the assembly is to be used, and a removable complementary member which is adapted to cooperate with said attaching portion to securely attach the assembly to a guard cable so as to prevent twisting of the assembly thereon.

2,298,462
PACKAGE SEAL
Wilhelm B. Bronander, Montclair, N. J.
Application July 26, 1940, Serial No. 347,618
9 Claims. (Cl. 229—51)



1. The combination with a container having a closure cap of sealing means comprising a strip extending partially around the container and cap at the junction thereof, and a second sealing strip extending around the remaining portion of the container and cap at the junction thereof and also overlapping the ends of the first strip.

2,298,463
BEARING SEAL
William Griswold Burt, Jr., New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application January 6, 1940, Serial No. 312,637
1 Claim. (Cl. 286—5)



Seal means for a bearing including a pair of concentric rings one within the other and held in axially self-aligning relationship about a point on the axis of both rings, the inner of said rings having a seal seat of generally spherical form having its center of generation substantially on the point aforesaid on the axis of both said rings, said seal means including a seal disk carried by said outer ring and extending across the space between said rings and into proximity to said generally spherical seal seat and forming with the latter a generally radially inwardly directed generally V-shaped groove, and an annular seal ring of yielding resilient rubber-like material stretched over said generally spherical seal seat and contractible by its own resiliency into sealing contact with both said seal disk and said generally spherical seat.

2,298,464
VANADIC OXIDE FLAKES AND METHOD FOR MAKING THE SAME
Blair Burwell, Uravan, Colo., assignor to United States Vanadium Corporation, a corporation of Delaware
Application April 11, 1940, Serial No. 329,094
2 Claims. (Cl. 23—140)

2. Method of preparing substantially dust-free flakes of vanadic oxide, said flakes having substantially smooth surfaces and acicular, fractured edges, which comprises pouring a stream of molten vanadic oxide onto a horizontal metal surface to form a thin layer of vanadic oxide; moving the surface carrying said layer away from

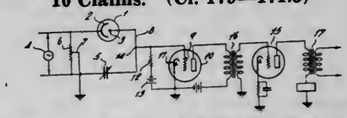


said stream, and simultaneously solidifying the layer by passing a cooling liquid in indirect heat-exchange relation to said surface; and removing from the said surface the solidified layer of vanadic oxide, and simultaneously breaking it into flat flakes of the same thickness as said layer.

2,298,465
NONFOAMING COOLING FLUID
Leo J. Clapsadle, Buffalo, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application September 28, 1939, Serial No. 296,917
9 Claims. (Cl. 252—73)

1. An aqueous cooling fluid containing an alcoholic freezing point depressant, and a foam preventive agent composed essentially of a compound of the group consisting of aliphatic and aromatic esters of a fatty acid containing from 10 to 20 carbon atoms, in amount of about 0.05% to 1.5% by weight of the alcoholic component.

2,298,466
ELECTRO-OPTICAL SYSTEM AND APPARATUS
Austin G. Cooley, New York, N. Y., assignor, by mesne assignments, to Times Telephoto Equipment Inc., New York, N. Y., a corporation of New York
Application July 18, 1940, Serial No. 346,113
10 Claims. (Cl. 179—171.5)

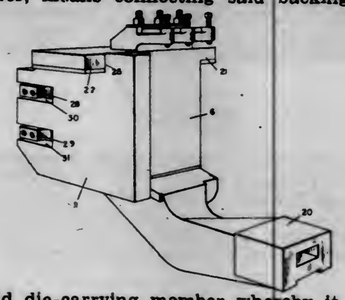


6. The method of modulating a carrier voltage in accordance with light signals and employing only the photo-capacitance variations of a photo-electric cell which includes the steps of applying the carrier voltage to the cell, balancing out the inherent electrostatic capacity of the cell to represent a given light condition, limiting the maximum amplitude of said carrier voltage as applied to said cell to a value where only the photo-capacitance of the cell varies while substantially eliminating any uni-lateral conductivity of said cell, and simultaneously illuminating the cell by light signals to produce in the output of the cell a correspondingly modulated carrier.

2,298,467
FORGING MACHINE
William W. Criley, Shaker Heights, Ohio
Application July 3, 1940, Serial No. 343,785
12 Claims. (Cl. 78—17)

1. In a metal working machine, a bed frame and movable die-carrying member adapted to be reciprocated in a channel in said frame and to be subjected to forces tending to displace said member from straight line movement, a backing plate mounted between said member and a

side of said channel, said backing plate completely overlying the side of said die-carrying member, means connecting said backing plate



to said die-carrying member whereby it is reciprocable therewith and means holding said backing plate against lateral movement on said bed frame.

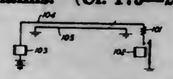
2,298,468

CONTACT PROTECTION

Austen M. Curtis, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 4, 1938, Serial No. 233,242

4 Claims. (Cl. 175—294)



1. In a telephone or telegraph switching system, an electrical circuit comprising a ground, a battery, a relay winding, a first electrical conductor, a carbon resistance, a pair of cooperating relay contacts adapted to open and close, a second electrical conductor, an electrical conducting path extending sequentially in series from said ground, through said battery, through said winding, through said first conductor, through said resistance, said resistance being connected immediately adjacent one of said contacts, through said contacts, through said second conductor and thence to said ground, the magnitude of the reactance of said resistance being of the order to promote the establishment dominantly of a gas glow transient discharge as said contacts make and break to protect said contacts against deterioration.

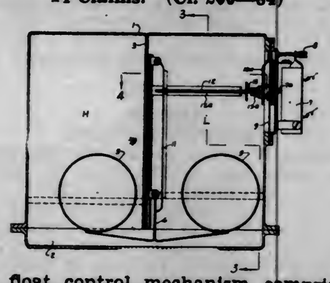
2,298,469

DIFFERENTIAL PRESSURE CONTROL MECHANISM

Verner Dahlman, Louisville, Ky., assignor to American Air Filter Company, Inc., Louisville, Ky., a corporation of Delaware

Application March 27, 1941, Serial No. 385,461

14 Claims. (Cl. 200—84)



1. A float control mechanism comprising a casing having a U-shaped inner space, a liquid bath partially filling the U, and connections for placing the space above the bath in each leg of the U in communication with different pressure areas to cause the liquid levels in said legs to vary in accordance with variations in the pressure drop between areas; a float assembly including a float in each leg of the U and connecting linkage between said floats extending through the bight of said U into both legs and pivoted to said casing for relative angular movement in response to variations in said liquid levels in said legs; and a pressure drop control element operatively connected to said float assembly for operation by it between control positions corresponding to different liquid levels.

2,298,470

RESINOUS FUSION PRODUCT

Arnold R. Davis, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 28, 1941, Serial No. 400,325

9 Claims. (Cl. 260—78)

1. A composition of matter comprising the heat fusion product of a diaryl guanidine and a monoterpene-maleic anhydride addition product acid.

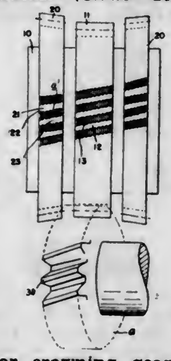
2,298,471

GEAR FINISHING

Robert S. Drummond, Detroit, Mich.

Application May 9, 1939, Serial No. 272,673

7 Claims. (Cl. 29—103)



1. A cutter for crowning gear teeth which comprises a gear-like center-cutting portion and a gear-like end-cutting portion axially disposed to said center-cutting portion, said portions having teeth adapted to mesh with the teeth of a gear being finished, said center-cutting portion having uniform teeth, both sides of which have the same lead, the teeth of said end-cutting portion being non-uniform, opposite sides of which have different leads, and being additionally modified as to pressure angle, so as to produce a crowned end on the gear teeth adapted to have uniform bearing substantially in the line of roll.

2,298,472

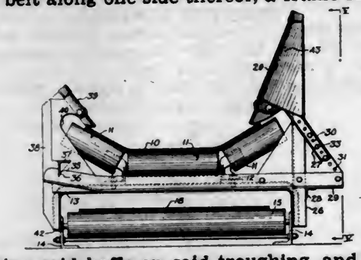
CONVEYER LOADING DEVICE

Victor I. Dudley, Franklin, Pa., assignor to Joy Manufacturing Company, a corporation of Pennsylvania

Application May 8, 1941, Serial No. 392,458

9 Claims. (Cl. 198—204)

1. A loading device for a belt conveyer having an inverted troughing carrying the rollers for supporting said belt, comprising a baffle extending lengthwise of and having an edge overlapping said belt along one side thereof, a frame for supporting said baffle on said troughing, and means on the opposite side of said belt from said baffle for clamping said frame to said troughing.



2,298,473

CONDENSATION OF POLYALKYLOL GUANIDINE SALTS

Walter P. Ericks, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 6, 1941, Serial No. 405,719

7 Claims. (Cl. 260—68)

1. A condensation product of a polyalkylol guanidine salt with a member of the group consisting of polycarboxylic acids and their anhydrides.

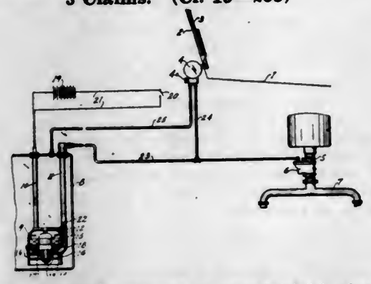
2,298,474

WINDSHIELD CLEANER

George R. Ericson, Kirkwood, Mo., and Charles E. Markham, East St. Louis, Ill., assignors to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application September 30, 1939, Serial No. 297,283

3 Claims. (Cl. 15—253)



1. In a motor vehicle, a windshield cleaning device comprising a fluid operated motor mounted in a fixed position adjacent said windshield, a wiper blade connected to said motor and arranged to be moved across said windshield thereby, a source of liquid, and an electrically operated centrifugal pump for supplying said liquid under pressure to said fluid motor for the operation thereof.

2,298,475

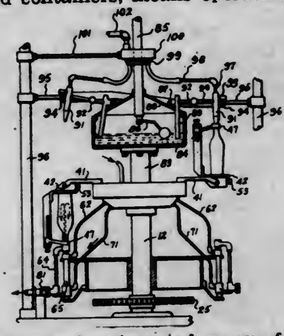
MACHINE INCLUDING MEANS FOR CLEANING CONTAINERS

Paul R. Fechheimer, Cincinnati, Ohio, assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio, a corporation of Ohio

Application August 29, 1938, Serial No. 227,265

8 Claims. (Cl. 226—68)

2. In a machine of the character described, a rotating work table, means for delivering containers to said work table, clamping means for said containers pivoted to said work table, means operative during the movement of said work table to invert said clamping means whereby to invert said containers, means operative to clean



said containers when inverted, means for returning said clamping means to original position, said means including a tube, and fluid pressure means for projecting said tube upwardly into said containers, and means for filling said containers after their return to original position.

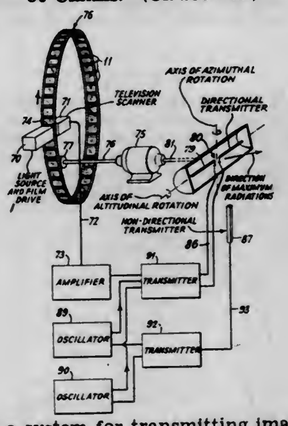
2,298,476

TELEVISIBLE GUIDING SYSTEM

Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application July 19, 1939, Serial No. 285,275

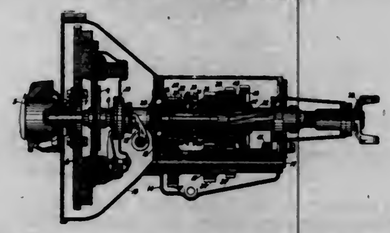
50 Claims. (Cl. 250—11)



49. In a system for transmitting image signals delineatory of a significant surface, a scanning means, means for scanning the surface by the scanning means to produce a group of image signals delineating the scanned surface, means for quasi-repeating, in each successive scanning, the scanning of substantially the same portion of the significant surface in a sequence of directions corresponding to effective relative changes in angular displacement of at least one of altitude and azimuth of the scanning means with respect to the surface and predominantly inclined to the normal to the significant surface, means for repeating the scannings in the predetermined sequence of directions and at a predetermined repetition rate for the individual sequences, and means for transmitting the produced groups of image signals delineating the scanned surface

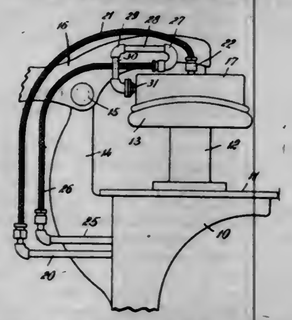
substantially instantaneously directionally radially opposite to the corresponding effectively chosen scanning directions.

2,298,477
TRANSMISSION
Harry R. Greenlee, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application September 26, 1940, Serial No. 358,393
7 Claims. (Cl. 74—339)



1. A transmission comprising a countershaft, a tail shaft, a drive gear normally driving said countershaft, a first speed gear, means splined for axial shifting movement on said tail shaft, including an overrunning clutch coupling said first speed gear to said tail shaft, a second speed gear rotatably journalled on said tail shaft, gears on said countershaft engageable with said first and second speed gears, and friction clutch means operable upon predetermined axial shifting of said splined means for clutching said second speed gear to the tail shaft whereby rotation of said tail shaft will drive said countershaft through said second speed gear at an increased speed.

2,298,478
STEAM BUCK OR PRESSING MACHINE
Stephen Guarnaschelli, St. Albans, N. Y., assignor to Packless Metal Products Corporation, New York, N. Y., a corporation of New York
Application May 24, 1940, Serial No. 336,926
1 Claim. (Cl. 38—36)



In the type of garment pressing machine which comprises a fixed press member and a buck arranged to swing on a pivot at one side of the fixed member into and out of operative relation with said member, said buck having a steam chamber and a drain outlet on the side thereof adjacent its pivot, a conduit from the drain outlet to a fixed point between the sides of the buck and more remote from the pivot than said outlet, a drain pipe below the pivot and a flexible hose interconnecting the drain pipe and said more remote point of the conduit.

2,298,479
MEANS FOR PREPARING COLLAPSIBLE TUBES FOR SEALING
Mervil Hallead, Cincinnati, Ohio, assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application May 24, 1938, Serial No. 209,765
9 Claims. (Cl. 113—1)



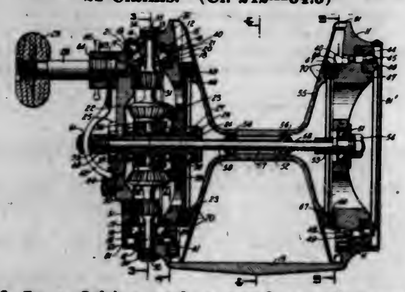
1. In apparatus of the class described, a conveyor which can be raised or lowered, means on said conveyor for holding a collapsible tube accurately in axial position by engaging the tube adjacent its closed end, and a spreading head comprising spreading fingers adapted to enter the end of a tube, means for actuating said spreading fingers to move them apart, said head also including separable supporting means for contacting said tube and controlling the spreading action, and means for actuating said supporting means to cause it to embrace said tube.

2,298,480
PROTECTIVE CLOSURE
Harold C. Harvey, Sturgis, Mich.
Application May 4, 1937, Serial No. 140,661
14 Claims. (Cl. 215—38)



11. A bottle cap for milk bottles or the like, having a central portion adapted to extend across the mouth of the bottle and a skirt portion adapted to extend about the neck of the bottle, said skirt portion having complemental areas coated with an adhesive which when dry and cool is adapted to adhere to itself for securing together such coated areas upon contact thereof with each other, said adhesive being, when dry, substantially insoluble in water and practically incapable of adhering to uncoated portions of said cap.

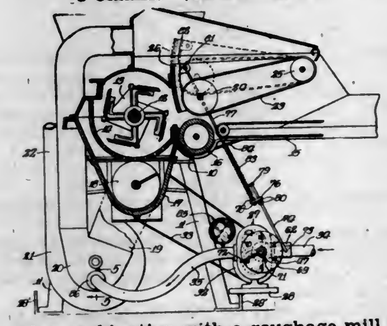
2,298,481
FISHING REEL
James H. Hayes, New York, N. Y.
Application June 30, 1939, Serial No. 282,039
21 Claims. (Cl. 242—84.5)



6. In a fishing reel, a spool, a rod normally

supporting said spool, a pair of discs one at each end of said spool, a reel housing, said discs being mounted for rotation in said housing and said rod being supported in said discs, manual means for rotating one of said discs, and means for moving the other of said discs toward the manually rotated disc to lock the spool therebetween for rotation therewith, said spool being slidable on its rod.

2,298,482
LIQUID PRESSURE CONTROL FOR ROUGHAGE MILLS
John Holland-Letz, Crown Point, Ind., assignor to The Letz Manufacturing Company, a corporation of Indiana
Application June 2, 1939, Serial No. 277,045
8 Claims. (Cl. 146—109)



1. The combination with a roughage mill having a conveying feeding belt, a supplemental feeding belt positioned above said first named belt, a conduit for supplying a liquid to the material comminuted by said mill, a pump in said conduit and driven by said mill, a by-pass in said pump connecting the inlet and outlet sides of said pump together, a valve for controlling the passage of liquid through said by-pass, and means for operatively controlling said valve by said supplemental feeding belt.

2,298,483
PROCESS OF PRODUCING PIG IRON
Charles R. Holzworth, North Tonawanda, N. Y.
Application July 25, 1940, Serial No. 347,369
5 Claims. (Cl. 75—131)



Graphitized Pig Iron
Unetched—100 Diam.

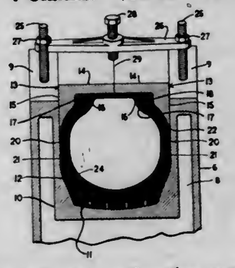
1. The method of producing in a blast furnace a foundry grade pig iron of improved, refined and controlled graphitic structure containing in excess of .25% Ti in a reactive and effective form and in excess of 1% Si, which method comprises charging the furnace with an iron ore containing in its natural state substantially no titanium, and constituting the principal source of iron, together with limestone, a titanium-bearing material in sufficient quantity of produce the aforementioned titanium content in the pig iron, and with sufficient coke to reduce the oxides present in the charge; regulating the proportions of the constituents of the charge to maintain a slag volume in the furnace sufficient to produce from 1000 to 1500 pounds of slag for each ton of iron produced, and to produce a basic slag containing in excess of 42% combined CaO and MgO; and smelting such charge using air temperatures in excess of 1250° F.

2,298,484
WINDSHIELD CLEANER
Erwin C. Horton, Hamburg, and Anton Rappl, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application July 26, 1940, Serial No. 347,750
6 Claims. (Cl. 15—255)



2. A windshield cleaner comprising a wiper, an arm carrying the wiper, an oscillatory shaft on which the arm is carried, a shaft spaced laterally from the oscillatory shaft, a crank fixed on one shaft, a reciprocatory link pivotally connecting the crank and other shaft, said link embodying a shock-absorbing yieldable section acting to absorb the shock of the sudden changes in direction of the link during its reciprocation and thereby cushion the whipping tendency of the wiper at the ends of its strokes.

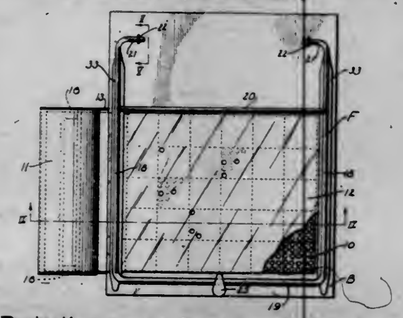
2,298,485
TIRE MOLD
George H. Johnson, Los Angeles, Calif.
Application March 1, 1940, Serial No. 321,707
7 Claims. (Cl. 18—18)



6. In a mold structure for tire sections, a mold

forming a mold cavity shaped to conform to the outermost portion of the exterior surface of the tire section, a pair of bead plates bridging the innermost portion of the tire section and extending into the mold cavity at opposite sides of the tire, a shim lining each bead plate comprising a lip to engage the bead of the tire and a depending portion shaped to conform to the contour of the exterior surface of the inner portion of one side of the tire, said depending portions extending into the mold cavity below the edges of the bead plates, respectively, the portions of the shims in the mold cavity being beveled to sharp edges to form with the mold a smooth surface for the entire exterior surface of the tire section being treated, the lip of each shim being shorter than the length of the mold, the depending portion of each shim being of greater length than the mold cavity so as to distribute pressure of the mold edges over the area of the tire section covered by the ends of the shims protruding from the mold.

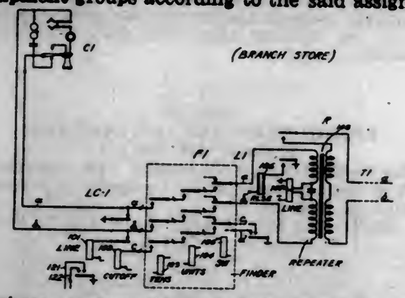
2,298,486
PUNCHBOARD PROTECTOR
John F. Keithman, Hebron, Ind., assignor of one-half to John I. Smith, Wheeler, Ind.
Application May 19, 1941, Serial No. 394,077
2 Claims. (Cl. 273—139)



1. Protecting means for a punch board comprising a clamping frame composed of side portions for extending along the top of the board adjacent to the longitudinal sides of the punch hole field and front and rear portions respectively for extending along the top of the board adjacent to the front and rear sides of the punch hole field, means for detachably securing said frame in position on said board to clamp a sheet of transparent perforatable material against the top of the board over and stretched across the punch holes, whereby the punch holes will be visible through said sheet and said sheet will have to be perforated by a punching tool before punching of the board and will then, when released from said frame, form a record of the punches taken from the board.

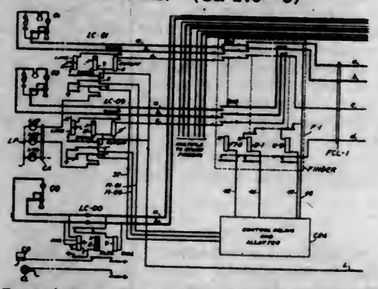
2,298,487
CREDIT-AUTHORIZATION TELEPHONE SYSTEM
Glenn Kiner, Markham, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application April 17, 1941, Serial No. 389,011
8 Claims. (Cl. 179—2)

1. In a credit-authorization telephone system, a credit-authorization information file comprising separate file portions, each such file portion containing a separate portion of the total file information, there being separate telephone numbers assigned respectively to the said separate file portions, a separate call-answering operator's equipment group for each of said file portions, clerks' telephones, switching equipment for extending connections selectively from said clerks' telephones to said call-answering operators' equipment groups according to the said assigned



numbers, a separate operator's telephone for each of said equipment groups, operator-controlled means in any equipment group for connecting the associated operator's telephone to any connection extended to such equipment group.

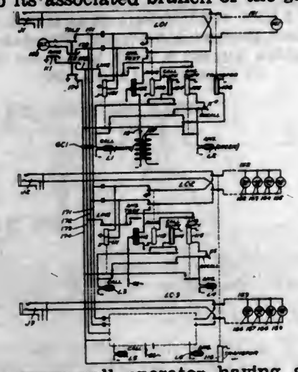
2,298,488
SPECIAL-SERVICE AUTOMATIC TELEPHONE SYSTEM
Glenn Kiner, Markham, and Norman H. Saunders, Chicago, Ill., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application May 21, 1941, Serial No. 394,434
6 Claims. (Cl. 179—5)



1. In a telephone system, lines terminating at a switchboard, link equipment at said switchboard effective to interconnect any calling one of said lines with any called one thereof, a supervisor's station, said link equipment being effective and also to connect any calling one of the said lines to said supervisor's station, display signal means at the supervisor's station, means effective when any one of said lines has been in an inactive calling condition for a predetermined length of time for causing said signal means to display the identity of such line, and means automatically effective whenever a connection is extended from any one of said lines to said supervisor's station for causing said signal means to display the identity of such line.

2,298,489
GROUP-CALL TELEPHONE SYSTEM
Glenn Kiner, Markham, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application September 10, 1941, Serial No. 410,238
10 Claims. (Cl. 179—5)

1. In a telephone system, subscriber lines each having its own terminals through which regular telephone service may be rendered, a group-call line having branches corresponding respectively to said subscriber lines, means controlled at will by a group-call operator for transferring each of said lines from its associated switchboard terminals to its associated branch of the group-call

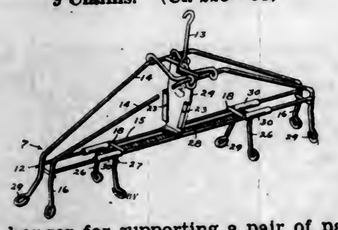


line, the group-call operator having a ringing key common to all said branches, means in each branch responsive to an actuation of said key for projecting ringing current over the associated transferred line, and means in each branch for preventing the said projection of ringing current so long as a receiver is off the hook at a substation on the associated subscriber line.

2,298,490
ETHER DERIVATIVES OF VITAMIN B_6 AND PROCESS OF MAKING THE SAME
Richard Kuhn and Gerhard Wendt, Heidelberg, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 17, 1939, Serial No. 268,344
4 Claims. (Cl. 260—297)

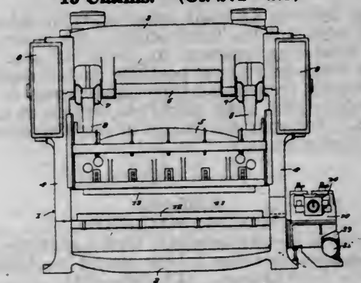
1. The process of producing monoalkyl ethers of vitamin B_6 which comprises etherifying a solution of vitamin B_6 having the formula $C_8H_{11}O_3N$ in substantially pure form by means of dialkylsulfate in the presence of an acid binding agent.

2,298,491
GARMENT DRYING HANGER
Emil Lamar, Berkeley, Calif.
Application April 10, 1939, Serial No. 266,955
9 Claims. (Cl. 223—88)



1. A hanger for supporting a pair of pants in inverted position for its airing and drying, comprising a rigid and elongated support frame, pairs of mutually spaced and substantially coplanar arm members depending fixedly from spaced points of the frame in planes transverse to the length of the frame and arranged for their insertion in the free ends of the different legs of the pants, movable arm members mounted on the frame between the pairs of fixed members and arranged for their insertion in the free ends of the different legs, and means urging the movable members toward each other for their cooperation with the fixed members to forcibly expand the pants legs thereat and effect the support of the pants from the members.

2,298,492
AUTOMATIC CONTROLLING APPARATUS FOR STRIP FEEDING MECHANISM
William F. Longfield, Cleveland, Ohio, assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio, a corporation of Ohio
Application August 2, 1940, Serial No. 349,873
15 Claims. (Cl. 271—2.3)



1. In a feeding mechanism for sheet metal, the combination of a plurality of feeding rolls, means for driving said rolls at high or low speed, a roll spring pressed into engagement with the stock being fed by said feeding rolls, and adapted to be rotated by the movement of said stock, a rotatable member, operative connections between said rotatable member and said spring pressed roll through which the rotatable member is rotated by the rotation of said spring pressed roll, an adjustable member, a pair of switches carried by said member, means on said rotatable member for successively operating said switches and means operated by the operation of said switches for controlling the operation of said feeding rolls.

2,298,493
PROCESS FOR PRODUCING ANHYDROUS MAGNESIUM SULPHATE
Walter H. MacIntire, Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine
No Drawing. Application February 23, 1940, Serial No. 320,514
3 Claims. (Cl. 23—128)

1. A process for producing magnesium sulphate consisting in comminuting serpentine containing calcium compounds, mixing said serpentine with sulfuric acid of 77% concentration in an amount equivalent to the Mg and Ca content of the serpentine and continuously stirring the mixture of serpentine and acid until the stirring and the heat of the reaction produce a dry granulated reaction product containing anhydrous magnesium sulphate as a major portion thereof.

2,298,494
SPRING FORK BICYCLE
James S. Manton, Oak Park, Ill.
Application March 14, 1940, Serial No. 323,850
2 Claims. (Cl. 280—276)

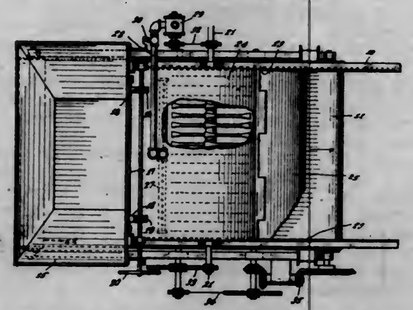
2. In a bicycle, a frame having a head, a fork

structure comprising a stem rotatably mounted through said head provided at its lower end with a fork crown rigid therewith, and a pair of fork blades carried by said crown connected thereto and secured together at their upper ends for movement together as a unit about a horizontal axis, and continuous one piece resilient truss rods



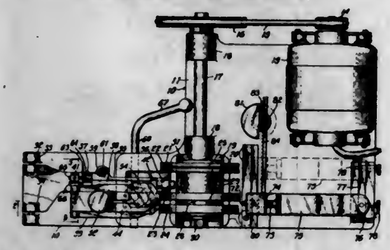
fixedly secured at their lower ends to said fork blades adjacent the lower ends of the latter, said rods extending upward in front of said fork blades with their upper portions curved rearward and fixedly secured at their upper ends to said stem above said head, said rods serving as spring members resisting movement of said blades about said horizontal axis.

2,298,495
MIXING MACHINE
Kenneth E. McConnaughay, West Lafayette, Ind.
Application October 5, 1940, Serial No. 359,830
9 Claims. (Cl. 259—12)



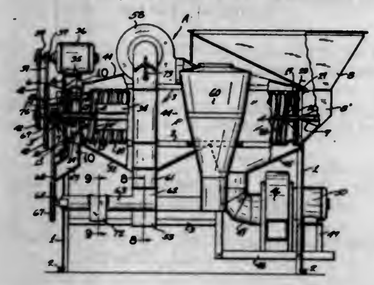
1. In a mixing machine for mixing a bituminous paving composition, a belt conveyor having a generally horizontal upper stretch, an aggregate hopper mounted immediately above the upper stretch of said conveyor and having an open bottom, the rear wall of said aggregate hopper having an opening at its bottom through which aggregate will be fed from the hopper by movement of the conveyor, means for regulating the size of said opening, a mixer housing disposed above said conveyor in rear of said hopper, a transverse shaft disposed within said housing above said conveyor, a plurality of series of circumferentially spaced mixing teeth mounted on said shaft in such a position that they will engage aggregate on the upper stretch of said conveyor as the shaft rotates, said housing having a rear wall-portion hingedly mounted at its upper edge and freely swingable downwardly into close association with said conveyor to prevent aggregate from being thrown from the housing by the action of said mixing teeth, a spray bar within said housing for delivering liquid bituminous binder, and means for moving said conveyor to convey aggregate from said hopper through said housing and for rotating said shaft to cause the outer ends of the mixing teeth adjacent the conveyor to move in the same direction as the conveyor but at a speed which is much higher than that of the conveyor and great enough to cause material on the latter to be thrown upwardly against said housing.

2,298,496
LENS GRINDING MACHINE
Reinhardt Frederick Metzger, Glendale, N. Y.
Application August 9, 1941, Serial No. 406,077
18 Claims. (Cl. 51—98)



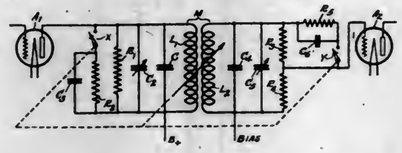
13. In a grinding machine of the character described, a swinging frame, a workpiece supporting member, common means for slidably and swingably mounting said member in said frame, adjustable means on said frame limiting the swinging movement of said member in two directions, adjustable means checking sliding movement of said member in moving a workpiece supported in said member in the direction of a grinding element of the machine.

2,298,497
NUT SHELLING MACHINE
Leo J. Meyer, San Antonio, Tex., assignor to The Champion Pecan Machine Company, San Antonio, Tex., a corporation of Texas
Application January 27, 1940, Serial No. 315,910
4 Claims. (Cl. 209—396)



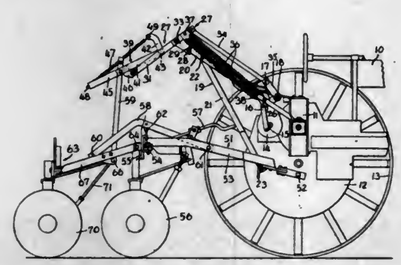
3. A nut shelling machine comprising a frame, a drum supported for rotary movement by said frame and wherein cracked nuts to be shelled are subjected to tumbling action, means for rotating said drum, said drum having a spiral slot formed therein at its circumferential face through which nut meats and shell fragments which are separated during operation of the machine may pass from the interior of the drum to the exterior thereof, means within said drum for feeding nuts and parts thereof longitudinally of the drum, said means comprising a spiral web the turns of which are disposed wholly between adjacent turns of said spiral slot, inclined faces extended from said spiral web to said spiral slot, and means for receiving nut meats and shell fragments discharged from the interior of said drum through said spiral slot.

2,298,498
VARIABLE TUNED TRANSFORMER
Harold A. Moore and John B. Moore, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Original application August 12, 1937, Serial No. 158,756. Divided and this application May 3, 1940, Serial No. 333,092
12 Claims. (Cl. 178—44)



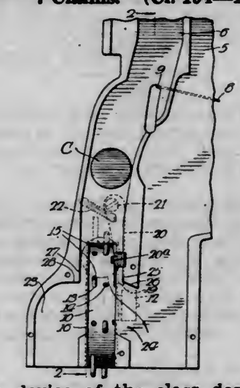
1. A tuned transformer having a variable frequency band width comprising an input and an output circuit, said transformer having a primary and a secondary coil in varying coupling relationship to each other, a fixed and variable condenser in shunt with each primary and secondary coil, an impedance element in shunt with said fixed and variable condensers, and means for simultaneously varying the coupling between said primary and said secondary coil, and for switching additional impedance elements in said input and output circuits for changing the band widths and maintaining the same mid-band frequency for all of said bands.

2,298,499
TRACTOR IMPLEMENT ATTACHMENT
James Morkoski, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 25, 1940, Serial No. 337,227
12 Claims. (Cl. 97—47)



1. In combination, a tractor having a transverse rear axle structure, an implement attachment connected to the tractor and comprising a supporting structure extending rearwardly from the rear axle structure and having lifting means associated therewith, a main tool-frame pivoted to the tractor for vertical movement and adapted to extend rearwardly beneath the supporting structure, an auxiliary frame pivoted to the main frame for independent vertical movement, means for connecting the auxiliary frame to the lifting means associated with the supporting structure, and means automatically coming into play to prevent relative movement between said frames upon operation of the lifting means whereby both of said frames will be lifted together about the pivot connection of the main frame with the tractor.

2,298,500
COIN DIVIDING MECHANISM FOR COIN OPERATED MACHINES
Emil C. Mueller, Chicago, Ill., assignor to The John Gabel Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 27, 1940, Serial No. 331,936
7 Claims. (Cl. 194—1)



1. In a device of the class described, a coin chute, and an element mounted for rotation adjacent the delivery end of said chute and having a plurality of circumferentially spaced members projecting into said chute, some of said members being disposed adjacent one side of said chute and other of said members being disposed adjacent the other side of said chute, said element being adapted to be rotated by the engagement of the coins passing through said chute with said members so as to move said members into said chute, and said members being respectively operative to cam such coins toward the remote side of the chute.

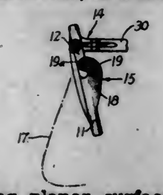
2,298,501
METHOD OF SEPARATING FATTY ACIDS
Latimer D. Myers, Cincinnati, and Victor J. Muckerheide, Silverton, Ohio, assignors to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
Application January 20, 1942, Serial No. 427,491
10 Claims. (Cl. 260—419)

1. The method of conditioning a fatty acid stock to promote the formation of crystals having good filtering characteristics in a solvent solution of the stock cooled to a predetermined temperature, which method comprises adding neutral fat to the stock in such amount that the total neutral fat content of the stock resides within the range of from approximately .2% to approximately 3½%.

2,298,502
EYEGLASS CONSTRUCTION
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Original application March 17, 1939, Serial No. 262,341. Divided and this application April 4, 1941, Serial No. 386,803
3 Claims. (Cl. 88—48)

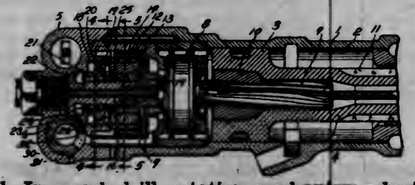
1. In eyeglass frame construction, in combination, an eyeglass frame formed from a plastic material, a pair of nose guards formed on and integral with said frame, said nose guards including sections which slant downwardly and outwardly and are adapted to engage the sides

of the nose of a wearer, said sections being connected to said rims substantially throughout their vertical lengths, a pair of lobes of substantial size with respect to said nose guards formed on the upper ends of said nose guards and extending upwardly therefrom, and a pair of forwardly extending portions formed on and extending forwardly from said lobes, said forwardly extending



portions having planar surfaces of substantial size adapted to engage portions of the center ridge section of the nose of the wearer, said forwardly extending portions being adjustable with relation to the downwardly and outwardly slanting sections of said nose guards so that said forwardly extending portions may be fitted to engage portions of the center ridge section of the nose of the wearer.

2,298,503
ROCK DRILL
Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application March 14, 1941, Serial No. 383,250
17 Claims. (Cl. 121—7)

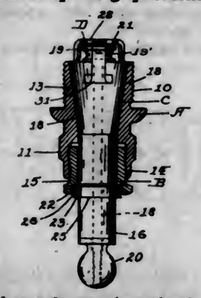


1. In a rock drill, rotation mechanism adapted to rotate a drill steel comprising an intermittent grip mechanism, said grip mechanism including relatively rotatable, concentrically arranged ratchet and carrier elements, the latter being arranged within the former and carrying gripping means, a rifle bar operatively connected to said ratchet element, and clutch means operable at will for holding said carrier element stationary or for freeing said carrier element for rotation.

3. In a rock drill, rotation mechanism adapted to rotate a drill steel comprising an intermittent grip mechanism, said grip mechanism including relatively rotatable elements, one of which is a carrier for gripping means, a rifle bar, and clutch means operable at will during running of the rock drill for connecting the rifle bar to or releasing said bar from said carrier.

2,298,504
SPARK PLUG
Frederick A. Ost, Los Angeles, Calif.
Application June 10, 1940, Serial No. 339,647
9 Claims. (Cl. 123—169)

1. A spark plug, comprising, an outer electric conducting shell having an inner longitudinal tapering shoulder, an insulating core having a corresponding outer tapering shoulder adapted to seat against said inner tapering shoulder, a bushing threaded in said shell adapted to force said core longitudinally with its tapering shoulder seated tightly against the tapering shoulder of said shell, a conducting spindle extending longitudinally through said core having a spark gap terminal on its inner end, and a terminal cage having an annular spark gap terminal in juxta-



position to said spark gap terminal on said spindle and a support forming an electric conductor extending rearwardly from said annular spark gap terminal and secured in contact between the adjacent surfaces of said conducting shell and said insulating core.

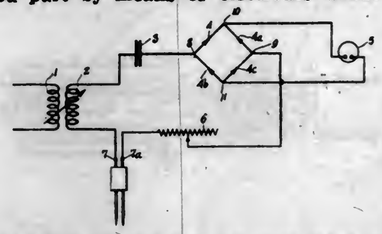
2,298,505
HANDLE FOR GOLF CLUBS
Raymond E. Ottman, Louisville, Ky.
Application February 10, 1941, Serial No. 378,215
2 Claims. (Cl. 273—81)



1. An improved handle for a golf club having a head and a shaft comprising: upper and lower hand gripping sections on the handle connected by an intermediate section, the upper section being offset relative to the lower section in the direction of extension of the club head, and the intermediate section being reduced in cross-section to fit into the space between the fore and middle fingers of the upper hand, the front and rear faces of the intermediate section providing gripping surfaces respectively for the fore and middle fingers of the upper hand, whereby the club may be pivotally held between said fingers.

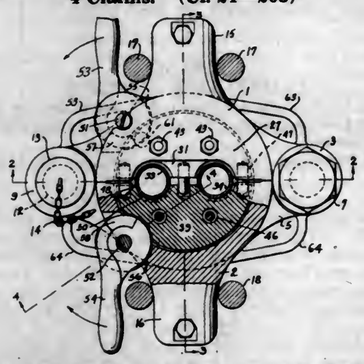
2,298,506
METHOD FOR EXPLORING LIVING TISSUE
Louis W. Parker, Woodside, N. Y., assignor of one-half to Karl Binkovitz, New York, N. Y.
Application January 25, 1940, Serial No. 315,497
1 Claim. (Cl. 128—2.1)

A method of determining the effect of a test substance upon a patient, which consists in applying the test substance to the outer walls of the blood vessels of the patient at a selected part of the tissue of the patient, inflating the blood vessels in said selected part by means of said test substance so as to lower the electrical resistance of the blood vessels in said selected part, passing an alternating current through said selected part by means of electrodes whose tips



substantially contact with the outer walls of said blood vessels so that the resistance to the passage of the electric current is substantially the resistance of the blood vessels, measuring the decrease in the resistance of said blood vessels which results from the application of the test substance, while substantially eliminating the effect of any self-generated current of the tissue from said measurement.

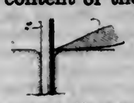
2,298,507
ELEVATOR
Arthur J. Penick and Kirby T. Penick, Houston, Tex.
Application October 6, 1939, Serial No. 298,281
4 Claims. (Cl. 24—263)



1. An elevator of the character described comprising an elevator body formed of complemental sections, means for hinging said sections together at one side, means for releasably securing the sections together at the other side, said body having an inside, downwardly converging seat, complemental slip jaws having external recesses and depending bosses therein and shaped, externally, to conform to the contour of and to fit on said seat and whose facing sides are shaped to fit around and simultaneously grip a plurality of strings of tubing and manually operable means mounted in the body and working in the recesses against the bosses whereby the jaws may be moved upwardly and outwardly.

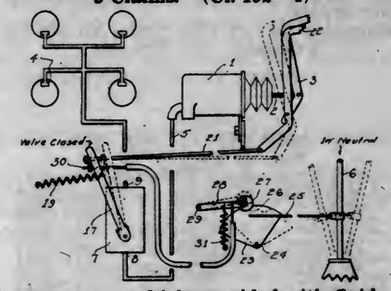
2,298,508
SHAVING METHOD
Peter Nicholas Peters, New York, N. Y.
Application June 14, 1939, Serial No. 279,005
2 Claims. (Cl. 30—32)

1. Preliminary steps in a shaving operation, including, in combination, the cooling of the skin sufficient to reduce, for the duration of the shave, the blood content of the underlying hair-



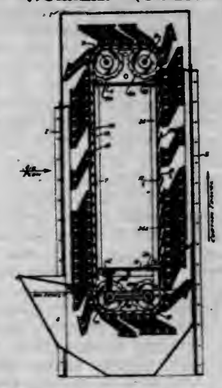
supporting tissue, and the application of heat to the razor, to bring heat to the hair shafts during the shaving stroke.

2,298,509
HYDRAULIC BRAKE CONTROL
John G. Phipps, Springfield, Mo.
Application October 17, 1940, Serial No. 361,575
5 Claims. (Cl. 192—4)



1. In a motor vehicle provided with fluid-actuated brakes, a change-speed gearing lever, a clutch-actuating mechanism, valve means comprising a liftable ball for controlling the communication of fluid to and from said brakes, and means operable by moving said lever to neutral position and the clutch-actuating mechanism into engaged position to seat said ball to close said valve and prevent the return of said fluid therepast to hold said brakes in applied position, and operable to open said valve upon further movement of said clutch-actuating mechanism or lever.

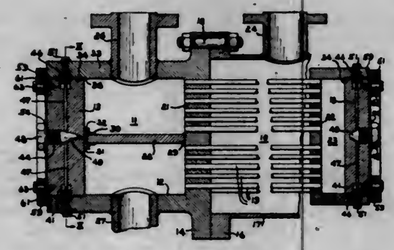
2,298,510
ELECTROSTATIC PRECIPITATING PLATE
Howard W. Pound and Merle K. Rush, Louisville, Ky., assignors to American Air Filter Company, Inc., Louisville, Ky., a corporation of Delaware
Original application April 13, 1939, Serial No. 267,562. Divided and this application January 12, 1940, Serial No. 313,586
7 Claims. (Cl. 183—7)



1. An electrical gas cleaning precipitating cell,

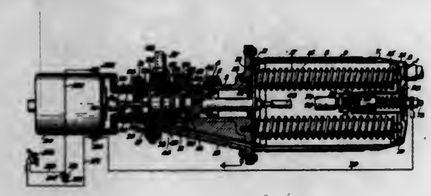
comprising: a group of narrowly spaced plates presenting end face edges and front and rear air-flow face edges; an insulator molding arranged, adjacent each end of each air-flow face, to traverse the edges of successive plates, said molding having spacer blocks, extending into the space between and bearing on spaced plates to space and insulate them; and means for holding said moldings in position.

2,298,511
SEALING CLOSURE FOR HIGH-PRESSURE HEADS
John P. Rathbun, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1938, Serial No. 207,201
2 Claims. (Cl. 220—55)



2. Apparatus of the character described comprising a hollow, pressure-sustaining body member having a main opening at one end and an inwardly facing circumferential recess in the wall of the opening providing a thrust shoulder; a cover in the opening overlapping said recess and having an outwardly facing circumferential recess providing a thrust shoulder, said recesses being aligned and complementally forming a closed annular passage, the cover having a plurality of radial passages connecting at their outer ends with the circumferential recess in said cover; a plurality of shear pieces in the passage and movable radially therein; rods in said radial passages having their outer ends operatively associated with the shear pieces; a bolt threadedly mounted in the cover and extending axially thereof, said bolt having a tapered conical portion contacting the inner ends of the rods whereby adjustment of said bolt in one direction will cause the tapered portion thereof to wedge the rods radially outward and move the shear pieces radially to operative position partially in both recesses to transmit pressure from the cover to the body member; said body member having a plurality of openings extending radially through the wall thereof into its circumferential recess, and through which means may be inserted for moving the shear pieces radially inward so that they are disposed entirely within the recess in the cover, whereby said cover and shear pieces may be removed from the main opening in the body member; bolts threadedly received in the radial openings of the body member for normally closing the same; sealing means under the heads of said bolts; sealing means under the head of the tapered bolt; and sealing means between the cover and the body member.

2,298,512
ACCUMULATOR FOR SUPPLYING LIQUID UNDER PRESSURE
Edward A. Rockwell, Hartford, Conn.
Original application October 15, 1936, Serial No. 105,679. Divided and this application December 1, 1939, Serial No. 307,118
10 Claims. (Cl. 103—222)



1. In an accumulator for accumulating and delivering accumulated pressure for the performance of work, in combination, a plurality of compressible elastic units adapted to apply accumulated pressure when said units are under compression, a movable wall connected to said units for compressing the same, tubular means for maintaining the alignment of the units throughout the length of said units in their low and high compression positions, end closures for the tubular means fastened thereto, adapted to act as supports for said elastic units and fluid pressure supplying apparatus adapted to receive fluid and deliver it under pressure by means of the pressure accumulated by said units.

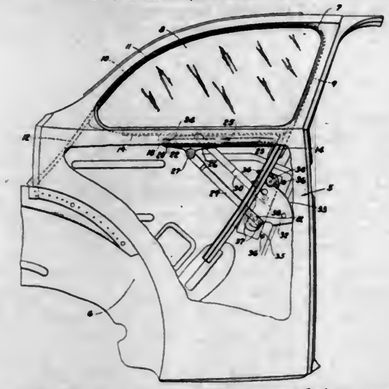
2,298,513
PROTECTIVE COATING
Harry E. Rogers, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 13, 1939, Serial No. 299,273
1 Claim. (Cl. 117—134)

A process of coating metallic piece parts to prevent tarnish or oxidation which consists in dissolving lamb's wool fat in trichloroethylene in the proportion of from 12 to 20 per cent by weight, heating the solution in an open top vessel to a temperature of from 150 to 190° F., cooling the vapors overlying the solution to subdue evaporation, immersing piece parts in said solution for a period of exposure of from 15 to 30 seconds according to the mass of the piece parts, and withdrawing the piece parts by moving them upwardly rapidly through the subdued evaporation zone overlying the solution.

2,298,514
PRESERVATION OF GREEN FODDER
Friedrich Wilhelm Stauf and Georg Janning, Leverkusen-I. G. Werk, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Original application August 9, 1939, Serial No. 289,178. Divided and this application October 12, 1940, Serial No. 360,972. In Germany August 15, 1938
4 Claims. (Cl. 99—8)

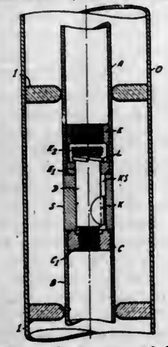
1. A composition for preserving green fodder comprising as its active ingredient a nitrite, the NO_2-group of which is linked to a physiologically innocuous radical.

2,298,515
WINDOW STRUCTURE
Perry W. Sullivan, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application July 14, 1941, Serial No. 402,324
1 Claim. (Cl. 296—44)



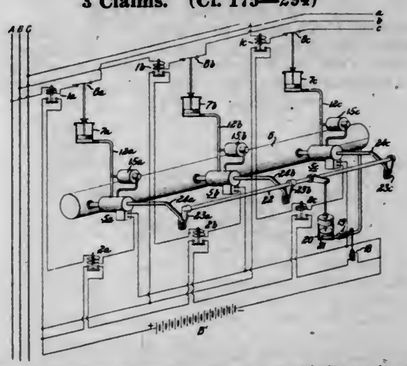
In combination, a window regulator mechanism comprising a supporting member for supporting the lower edge of a window, said supporting member having elongated substantially longitudinally alined slots at least one of which is of arcuate configuration with the ends thereof disposed downwardly, a bracket having longitudinally spaced rollers adapted to ride in said slots, a sector member pivotally mounted for rotation about a fixed axis, a pair of regulator arms each being pivotally mounted at one end to said bracket, the opposite end of one of said arms being pivotally mounted about a fixed axis and the opposite end of the other of said arms being secured to said sector, and a guide member for guiding the window in an arcuate path, means for slidably securing said guide member and said supporting member together, said regulator mechanism and said guide member being arranged so that upon rotation of said sector said supporting member is caused to rotate with one side edge of said window traveling at a faster rate than the other side edge thereof.

2,298,516
JOINT FOR CONCENTRIC CONDUCTORS
Albrecht Streib, Port Jefferson Station, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 13, 1938, Serial No. 245,350
5 Claims. (Cl. 287—125)



1. A transmission line comprising a conductor composed of a plurality of separate lengths, means for joining two lengths of the conductor together, said means including a recessed and a shouldered portion at one end of each length, and a threaded portion at each of the ends thereof, a spacing member interposed between the two lengths of the conductor, a bolt having threads of the same hand and pitch as the threaded portion of said lengths, said bolt retained by the threaded portion of one of said lengths before they are joined together, said bolt located within said spacing member and having means whereby it is rotated with said spacing member to join the two lengths of the conductor together by having its threads engage one of the lengths and to disengage the threads of another length by having its head extending in said recessed portion of one of said lengths until free and seating on the shouldered portion of one of said lengths, and its opposite end threaded into the other one of said lengths when they are completely joined together.

2,298,517
PROTECTION OF MULTIPHASE TRANSMISSION LINES
Hans Thommen, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland
Application February 6, 1940, Serial No. 317,605
In Germany November 17, 1938
3 Claims. (Cl. 175—294)

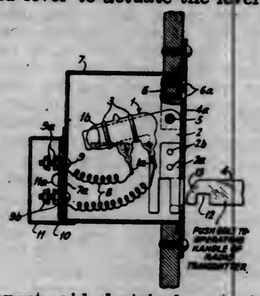


1. A protective system for a multiphase transmission line comprising a reclosing circuit breaker for each phase, relay mechanism individual to the several phases for selectively opening the circuit breaker of a phase on which a fault occurs, timing mechanism individual to each circuit breaker for delaying the reclosure thereof, and means responsive to the simultaneous energization of a plurality of said relay mechanisms to render said timing mechanisms inoperative, thereby to provide a longer period of deionization when a single phase is opened than when a plurality of phases are opened.

2,298,518
ELECTRICAL INTERLOCK SWITCH
Earle Dayton Thorne, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1939, Serial No. 282,092
2 Claims. (Cl. 200—55)

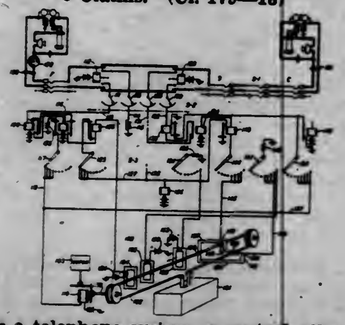
1. An electrical interlock switch for an enclosing member of a radio transmitter having a door therein, a push bolt for latching said door, a metallic casing member secured to said enclosing member adjacent said door, a plurality of apertures in said metallic casing, a movable lever

forming an acute angle with its two arms, said lever having electrical contact means on one of said arms and an aperture on the end of its other arm, said push bolt arranged to pass through one of the apertures in said casing member to engage the aperture in the last mentioned arm of said lever to actuate the lever to connect



and disconnect said electrical contact means, an insulating member covering another aperture in said metallic casing, and a pair of terminals mounted on said insulating member outside of said casing and connected to said contact means by a pair of flexible leads located within said casing.

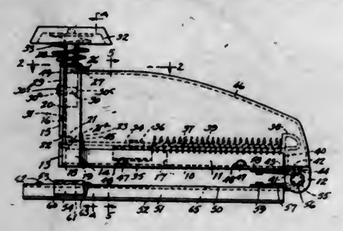
2,298,519
TELEPHONE SYSTEM
Richard J. Tillman, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 21, 1940, Serial No. 341,634
9 Claims. (Cl. 179—18)



1. In a telephone system, a central office, telephone lines terminating therein, automatic switches, means for sending series of impulses over a calling line representing the telephone designation of a wanted line, a magnetizable medium in said central office, means responsive to said impulses for establishing a variable number of permanent magnetizations in said medium to record said telephone designation, and impulse generating contacts of magnetic material controlled by said medium in accordance with the record thereon for selectively operating said automatic switches to extend the calling line toward the called line.

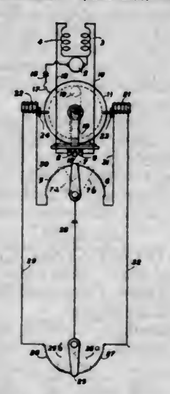
2,298,520
STAPLING MACHINE
Max Vogel, Bridgeport, Conn., assignor to Nevaclog Products, Inc., Bridgeport, Conn., a corporation of Connecticut
Application August 29, 1939, Serial No. 292,377
10 Claims. (Cl. 1—3)

1. In a stapling machine, a frame member comprising a bottom wall having spaced parallel longitudinal upward bends disposed in a horizontal plane and constituting a pair of longitudinal side walls integrally connected to said bottom wall, and having transversely spaced and aligned upward bends at its forward end each in the same horizontal plane with and at right angles to said parallel longitudinal upward bends constituting a transverse front wall integrally



connected to said bottom wall, there being a transverse staple driving passage formed in said bottom wall at its forward end intermediate said transverse upward bends, the front side of said passage being defined by the inner surface of said front wall intermediate said transverse upward bends and having its ends inwardly spaced from said longitudinal side walls, and staple driving means carried by said front wall in vertical alignment with said staple driving passage.

2,298,521
REMOTE POSITIONING MEANS
Fritz Frederick Uehling, Passaic, N. J.
Application March 3, 1942, Serial No. 433,209
11 Claims. (Cl. 172—239)



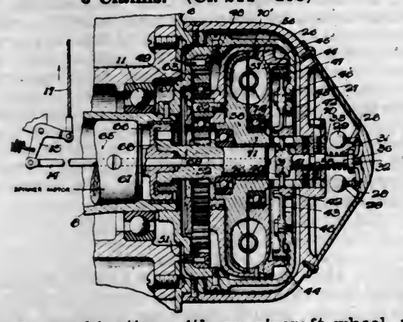
1. In a device of the class described, the combination with a reversible electric motor, and switching means for controlling its direction of rotation, including a movable contact element and two fixed contacts for alternative engagement therewith; of a member rockable about the axis of rotation of the motor and supporting the contact element to move the same therewith, said rockable member carrying a pair of diametrically disposed armatures, respective electromagnetic means juxtaposed to the armatures to move angularly the rockable member in accordance with the energization of the electromagnetic means, means to control the energization of said electromagnetic means, and means rotatable by the motor and associated with the rockable member to oppose its angular movement.

2,298,522
METHOD OF MANUFACTURING BAGS
Harry F. Waters, New York, N. Y.
Original application January 26, 1938, Serial No. 186,957. Divided and this application October 3, 1940, Serial No. 359,487
3 Claims. (Cl. 93—35)



1. In a method of forming a seam incident to the making of a bag from flexible sheet material having at least the surface destined to become the inner surface of the bag provided with a coating of material affected by heat, the steps of providing marginal areas of said surface with bands of thermoplastic adhesive, bringing the areas thus provided with adhesive into opposed face to face relationship, and applying heat to said adhesive along a longitudinal strip narrower than the width of said bands and remote from the inner edges of said bands to cause a fusion of said adhesive within said strip while avoiding application of deleterious heat to the surface of said bag adjacent the inner edges of said adhesive bands.

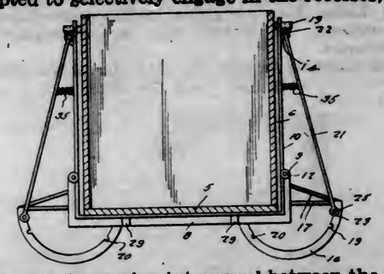
2,298,523
AIRCRAFT CONTROL
Sidney H. Webster, Bogota, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 21, 1940, Serial No. 362,173
3 Claims. (Cl. 244—103)



1. In combination with an aircraft wheel, rotating means for said wheel, said rotating means comprising a motor and fluid clutch, means for converting said clutch to a fluid brake for deceleration of the wheel after de-energization of the motor, said converting means including friction elements engageable with a part of said fluid clutch, and speed responsive means for moving said friction elements to engaging position.

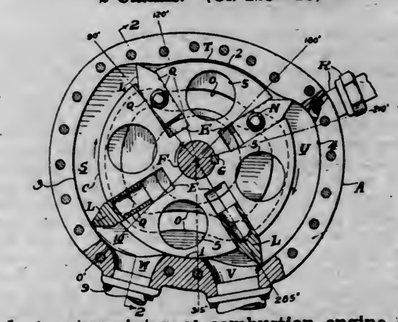
2,298,524
COMBINATION WAGON BOX
Leon Balestri, Hennepin, Ill.
Application June 27, 1941, Serial No. 400,138
1 Claim. (Cl. 296—11)

In a wagon structure, a box, a movable side wall on the box, an arcuate member secured to the box and projecting outwardly and upwardly therefrom, said arcuate member having recesses at the inner side thereof, an arm swingably mounted at its lower end adjacent the box structure side wall and against which the side wall is disposed, a connecting rod having its upper end pivotally secured to the upper end of the arm, an outstanding pin on the lower end of the rod adapted to selectively engage in the recesses, and



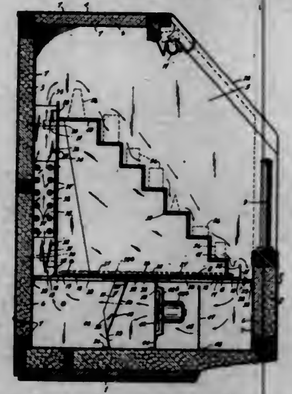
a compression spring interposed between the connecting rod and the arm to force the lower end of the arm outwardly and hold the pin in a selected recess.

2,298,525
ROTARY INTERNAL COMBUSTION ENGINE
Arthur M. Briggs, Huntington Park, Calif.
Application October 8, 1941, Serial No. 414,085
2 Claims. (Cl. 123—16)



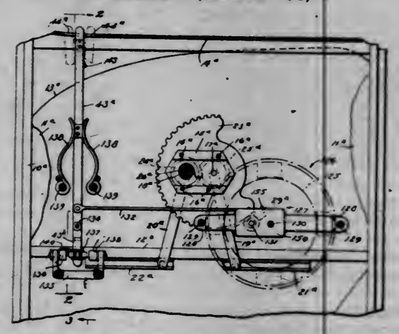
1. A rotary internal combustion engine comprising a casing with an opening therein of substantially elliptical cross-section; end plates closing said opening; a circular rotor mounted in said plates and disposed in said opening intermediate the longest diameter thereof, the periphery of said rotor substantially engaging a side wall of said opening; said rotor and the side walls of said casing serving to define a relatively narrow channel therebetween located substantially diametrically opposite the engaging portions of said rotor and wall, and two relatively wide channels located substantially diametrically opposite each other and each disposed between said engaging portions and said narrow channel; an intake port opening into one of said wide channels; an exhaust port opening from the other wide channel; a spark plug positioned to fire into said last-mentioned channel; radial recesses in said rotor; blades slidably disposed in said recesses and each carrying a pin on each end; an annular cored space in each end plate; a cam slot in each plate extending from said opening to said space, said slot constructed and arranged to receive said pins and keep the outer edges of said blades by means of said pins in constant slidable engagement with the side walls of said casing during rotation of the rotor; a first passageway for conducting unheated oil and carbureted gasoline into one of said cored spaces; and a second passageway for conducting heated oil and carbureted gasoline from the other cored space to said intake port.

2,298,526
REFRIGERATED DISPLAY CASE
John R. Caulk, Jr., Ladue, and Russell E. Davis, St. Louis, Mo., assignors to Hussman-Ligonier Company, St. Louis, Mo., a corporation of Missouri
Application November 28, 1941, Serial No. 420,798
3 Claims. (Cl. 62—89.5)



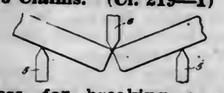
1. In a refrigerated display case having a base, a top, a rear wall, a front wall and end walls, a horizontal partition extending from end to end of the case with its respective side edges spaced from said front and rear walls, a vertical partition spaced from said rear wall, with its lower edge resting on said horizontal partition and its upper edge spaced below said top, a refrigerating device in the flue formed by said rear wall and said vertical partition, a lower vertical partition extending from end to end of said case and from said base to said horizontal partition, a fan disposed over an opening provided therefor in said lower vertical partition and arranged to blow air therethrough to create a circulation of air upwardly through said flue and said refrigerating device, and a baffle disposed forwardly of said fan.

2,298,527
REVERSING MECHANISM
Daniel L. Chandler, Salem, George W. Ewing, Peabody, and Frank H. Walker, Salem, Mass., assignors to Aresee Company Inc., Salem, Mass., a corporation of Massachusetts
Original application June 22, 1940, Serial No. 341,838. Divided and this application January 2, 1941, Serial No. 372,935
3 Claims. (Cl. 192—71)



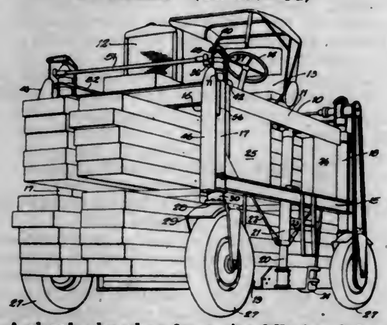
1. In a reversing mechanism having a reversible drive shaft on which are journalled idling gears having radially formed key ways, a clutch assembly comprising in combination, rocker key members having extended lever arms pivoted in recesses located in collars positioned on said shaft, the said rocker key members being rockably journalled on said shaft and engaged with one of said idling gears when rocked to one side from an idling position, a reversing yoke pivoted in said mechanism and engaged with a rotatable reversing collar, a restricted recess located on each end of said collar for the purpose of admitting the said rocker key extended lever arms when said reversing collar is moved longitudinally of the major axis of said drive shaft, one of the exterior corners of said collar recess comprising a cam surface engaged against one side of said rocker key member lever arm, springs anchored to said mechanism and said lever arms for the purpose of maintaining the side of said lever arms against said cam surface thereby rocking said key member into engagement with the said radially formed key ways in said idling gears, the said idling gear then being engaged with said drive shaft.

2,298,528
ELECTRICAL PROCESS FOR BREAKING STEEL BARS
Octave S. de Causse, New York, N. Y.
Application January 8, 1942, Serial No. 425,949
3 Claims. (Cl. 219—1)



1. A process for breaking a metallic bar characterized by simultaneously applying under pressure at the place of intended fracture a plurality of electrodes opposite to each other and upon the surface of the bar, said electrodes carrying low voltage high amperage current of sufficient capacity to traverse substantially through the cross-sectional area included between said electrodes and create a brittle state of said cross-section, and then applying pressure transversely against said bar at said cross-sectional area to fracture the bar.

2,298,529
SHOCK ABSORBER FOR STRADDLE TRUCKS
Henry Noel Dimick, Portland, Oreg., assignor to Willamette Hyster Company, Portland, Oreg., a corporation of Oregon
Application July 19, 1941, Serial No. 403,087
14 Claims. (Cl. 267—34)



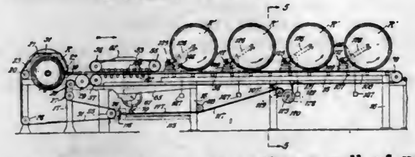
1. A shock absorber for a straddle truck having a frame carrying a vertical bearing, a road wheel stem slidably and rotatably mounted in the bearing; said shock absorber comprising a cylinder carried by the frame and arranged parallel to the bearing and having a quantity of fluid therein, a piston mounted in the cylinder and having an opening lengthwise therethrough, a spring mounted to urge the piston upwardly in the cylinder, a valve mounted in the piston opening to free the opening for fluid flow in one direction therethrough and to restrict the opening for fluid flow in the opposite direction therethrough,, and structure forming a separable abutment effective between the piston and the wheel stem and operating independently of normal turning of the wheel stem to free the wheel stem for movement in one axial direction and to resist, by the piston, opposite movement of said wheel stem.

2,298,530
COMBINED TRAILER AND TENT CONSTRUCTION
George W. Fletcher, San Francisco, Calif.
Application July 12, 1941, Serial No. 402,167
2 Claims. (Cl. 20—2)



1. A folding tent structure comprising a main floor section, wheels supporting the same, hinges secured to said main floor section, extensions hinged to said main floor section, a front floor section secured to said hinges, the pintle of said hinges being offset above said floor sections, auxiliary extensions hinged to said front floor section, hinged back and front panels secured to said main floor and front floor sections respectively, said back panel, said front panel, said front floor section and said auxiliary extensions all folding over and upon said main floor section, and said first-mentioned extensions when raised to a vertical position engaging the side margins of said superimposed folded portions.

2,298,531
CREPED WADDING REEXPANDERS
Charles A. Fourness, Appleton, and Rudolf A. Moravek, Neenah, Wis., assignors to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
Application March 30, 1939, Serial No. 264,906
4 Claims. (Cl. 154—1)



1. Apparatus for re-expanding a roll of previously endwise compressed creped wadding comprising, in combination, a cradle unwinder including an endless belt having a loop portion encircling and frictionally rotating said roll in an unwinding direction, means for driving said endless belt at a uniform speed, means for withdrawing said compressed wadding from said unwinder at a uniform speed greater than the speed of said endless belt, side guides in the form of inwardly facing channels on the cradle unwinder, a core shaft in the compressed wadding roll having projecting ends engaged with said channels, and the means for preventing lateral shift of said roll or said core shaft.

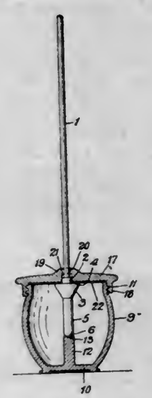
2,298,532
TOBACCO MIXTURE
Mathew Franich, Redondo Beach, Calif.
No Drawing. Application March 23, 1940, Serial No. 325,577
2 Claims. (Cl. 131—17)

1. A tobacco mixture composed of ninety per cent pure tobacco and ten per cent dried blossoms picked while in full bloom of a hybrid plant that is a cross between wild cherry and wild plum.

2,298,533
CAPILLARY ACTIVE CONDENSATION PRODUCT
Winfrid Hentrich, Rodleben, near Dessau-Rosslau, Anhalt, and Erik Schirm, Dessau, Anhalt, Germany, assignors, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application February 14, 1939, Serial No. 256,386. In Germany February 14, 1938
8 Claims. (Cl. 260—248)

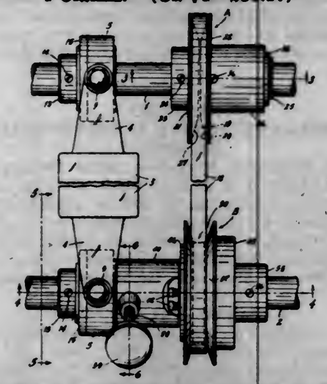
1. A capillary-active mononuclear heterocyclic compound containing from two to three $-C(X)=N-$ groups, forming part of the same heterocyclic nucleus, said nucleus containing only carbon and nitrogen atoms and being selected from the group consisting of azine nuclei and azole nuclei wherein an X is an aliphatic hydrocarbon of at least 6 carbon atoms joined to the nucleus through an amino nitrogen atom; an X is a lower molecular aliphatic hydrocarbon radical containing a water-solubilizing group joined to the nucleus through an amino nitrogen atom; and any remaining X is selected from the group consisting of halogen, hydroxy, amino, mercapto and alkoxy radicals.

2,298,534
APPLICATOR AND CONTAINER
Earl C. Kaye, Evanston, Ill.
Application February 23, 1940, Serial No. 320,411
17 Claims. (Cl. 15—140.3)



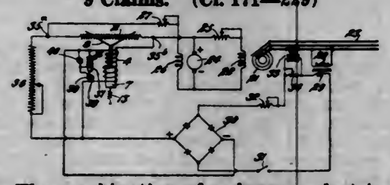
1. In combination, a container, a removable cover therefor, an applicator, an applicator handle, a perforation in said cover, said handle shaped and dimensioned to pass through said perforation, and means including said applicator for exerting compression from within upon said cover when the cover is in closing position upon said container, to insure a tight fit of said cover and container.

2,298,535
DRIVE MECHANISM
Harry W. Krag, Vinita Park, Mo., assignor to American Shoe Machinery and Tool Company, St. Louis, Mo., a corporation of Missouri
Application January 2, 1941, Serial No. 372,878
4 Claims. (Cl. 74—230.17)



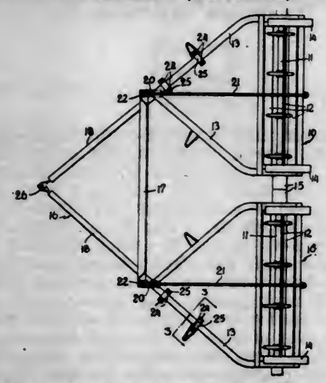
1. A drive mechanism comprising laterally spaced shafts, V-groove pulleys on the respective shafts, an endless power transmission V-belt encircling both of said pulleys and operating in the V-grooves thereof, one of said pulleys comprising two sections cooperating to form the V-groove therein, one of said sections being rigidly secured to its supporting shaft and the other of said sections being movable axially relative to said first mentioned section to connect and disconnect said pulley from said shaft and to vary the width of the V-groove in said pulley and thereby change the effective diameter thereof, the other of said pulleys comprising two sections that cooperate to form the V-groove therein, one of said sections being fixed to its supporting shaft and the other being automatically slidable axially thereof to increase the width of the V-groove in said other pulley when the width of the V-groove in said first mentioned pulley is decreased and for increasing the width of the V-groove in said other pulley when the width of the V-groove in said first mentioned pulley is decreased, adjustable means on said other pulley for limiting the movement of the axially sliding section thereof towards the section thereof fixed to the shaft and thereby prevent unnecessary tension on said belt when said first mentioned pulley is disconnected from its supporting shaft, and a lever operatively connected to said axially slidable section of said first mentioned pulley to actuate the same.

2,298,536
ELECTRIC CONTROLLING APPARATUS
Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application January 18, 1939, Serial No. 251,468
9 Claims. (Cl. 171—229)



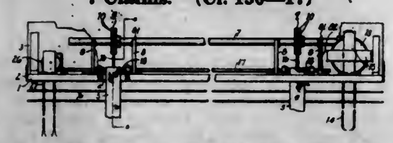
1. The combination of a dynamo-electric machine and controlling apparatus comprising a controlling field winding, means having relatively adjustable contacts maintained in continuous slidable engagement for affecting the current in said field winding, an electromagnet having a winding subjected to change of controlling current derived from said machine and having a movable element for slidably adjusting the relative contacting position of said contacts for affecting said field winding for counter-acting the cause of said change, and means for imposing upon said element a continuous slight vibration for overcoming the friction of repose of the engaged contacts.

2,298,537
SQUADRON HITCH
James E. Lyle, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 3, 1941, Serial No. 381,479
4 Claims. (Cl. 55—61)



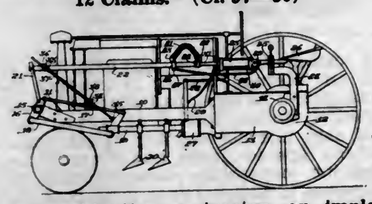
1. In combination, a pair of stalk-cutter units positioned in end-to-end relation and having bumper portions at their adjacent ends abutting one another, each unit including a triangular draft frame, and a third triangular draft frame having overlapping extending portions secured to the outer sides of the first two draft frames of the stalk-cutter units and providing a point of connection for a tractor.

2,298,538
VENETIAN BLIND
George F. McKerlie, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application March 10, 1941, Serial No. 382,565
7 Claims. (Cl. 156—17)



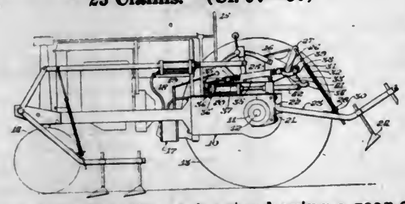
1. In a Venetian blind having a suitable head support, a blind lifting shaft extending longitudinally of said support and having suitable bearings supporting it for rotation, a plurality of spaced wide flanged spool members fixed thereon and a thin flat metal blind lifting ribbon of a width to fit said spools and be wound convolutely thereon attached to each spool to be wound thereon for lifting the blind, a tilting member disposed below each of said spools and adapted to support the ladder tapes of the blind, each tilting member having an axially disposed central aperture through which the lifting ribbon passes and provided at each side thereof with an anti-friction roller on an axis extending parallel with the lifting shaft and adapted to engage and guide said steel ribbon during raising and lowering of the blind and hold said lifting ribbon centrally of said tilting member and the ladder tape supported thereby.

2,298,539
IMPLEMENT HOLD-DOWN DEVICE
Carl W. Mott, La Grange, and James Morkoski, Canton, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application March 26, 1940, Serial No. 326,063
12 Claims. (Cl. 97—50)



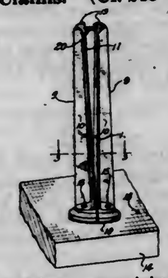
1. In combination, a tractor, an implement mounted on the tractor for vertical movement to and from its ground-working position, means for lifting the implement including a single-acting hydraulic cylinder lift device adapted to react against the tractor and having a movable part, and a part relatively movable with respect to the movable part of the cylinder lift device, biasing spring means, and means for connecting said biasing spring means between said last-mentioned part and the tractor to hold both of said parts in spring biased and collapsed relationship when said device is freed of hydraulic pressure and the implement is in its ground-working position.

2,298,540
TRACTOR CULTIVATOR
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Continuation of application Serial No. 330,740, April 20, 1940. This application October 18, 1941, Serial No. 415,850
25 Claims. (Cl. 97—50)



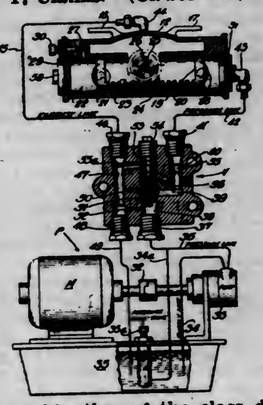
1. In combination, a tractor having a rear axle housing, cultivator rigs pivotally connected to the rear axle housing, a rock-shaft journaled on the tractor, links connected to the rock-shaft and the cultivator rigs, power lift means on the tractor connected to the rock-shaft for raising and lowering the cultivator rigs about their pivotal connection to the rear axle housing, an arm having an arcuate end portion secured to the rock-shaft, a spring, one end of the spring connected to the tractor and the other end of the spring in rolling engagement with the arm on the rock-shaft, whereby when the power lift means lowers the cultivator rigs the end of the spring in rolling engagement with the arm will roll into the arcuate portion of the arm and hold the rigs in their lowered position, and when the power lift means raises the cultivator rigs the end of the spring in rolling engagement with the arm will roll to a neutral position on said arm on the rock-shaft.

2,298,541
NOZZLE HOLDER
Peter Pirsch, Kenosha, Wis., assignor to Peter Pirsch and Sons Co., Kenosha, Wis., a firm composed of Peter Pirsch, W. E. Pirsch, and Celia Pirsch Even
Application January 26, 1942, Serial No. 428,823
5 Claims. (Cl. 248—75)



3. A nozzle holder, comprising a rigid support, an elongated nozzle insert extending away from said support and having a base portion and an outer end portion, the entire insert including said base portion being longitudinally split, means slightly rockingly mounting the split sections of said insert on said support in adjacency, a resilient member interposed between the insert base portions and the support, and yielding means interposed between split outer end portions of said insert to normally urge the same apart.

2,298,542
DOOR OPERATOR
Robert S. Potter and Maurice D. Bennett, Stamford, Conn., assignors to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application April 9, 1940, Serial No. 328,622
17 Claims. (Cl. 268—66)



1. In a combination of the class described, a door closer having a cylinder, a piston movable

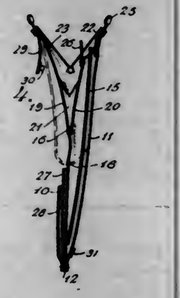
in said cylinder, a fluid pressure source, a valve body, a pressure line leading from said fluid pressure source to said valve body and from said valve body to the high pressure end of said cylinder, an exhaust line leading from the low pressure end of said cylinder to the fluid pressure source, a pressure passage in said valve body forming a functional part of said pressure line, a by-pass passage in said valve body leading from the pressure passage to the exhaust line, means movable incidentally to the flow of fluid under pressure from said fluid pressure source to obstruct said by-pass passage while opening up said pressure passage for the flow of fluid therethrough into said cylinder, whereby said fluid acts against the piston to reverse the normal action of the door closer, said means moving to open said by-pass passage and to shut off said pressure passage incidental to the stoppage of the flow of fluid under pressure from said fluid pressure source, whereupon said piston forces said fluid from the high pressure end of said cylinder through said by-pass passage toward the low pressure end of said cylinder.

2,298,543

COMBINATION PURSE AND BILLFOLD

Karl Schmidt, Brooklyn, N. Y., assignor to Marioness & Company Inc., New York, N. Y.

Application October 11, 1941, Serial No. 414,571
5 Claims. (Cl. 150—35)



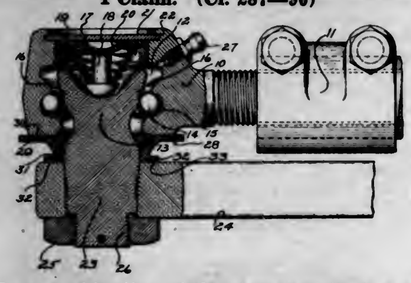
1. A combined purse and billfold comprising a strip of flexible material of such length that money bills may be laid smoothly against it at their full length forming an outer wall member, an inner wall member attached to the outer wall member along the bottom edge and along one side to form a bill compartment, said inner wall member having a branch member, said branch member having interposed between it and said inner wall member foldable end wall members to define a V-shaped coin compartment open at the top to define an entrance for access to said coin compartment, said inner wall member paralleling the length of said strip, the inner wall member being attached at its outer end adjacent the corners only, substantially to the top edge of said strip, whereby a slot is formed between said strip and said inner wall member for accommodating the ends of the paper money bills, said strip and said inner wall member being foldable against said branch member and means for detachably securing said strip and said inner wall member to said branch member below said entrance whereby said coin compartment and said bill compartment may be used independently of one another, if desired.

2,298,544

STEERING JOINT

Bronislaus Ulinski, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application June 1, 1940, Serial No. 338,329
1 Claim. (Cl. 287—90)



In a combination of the class described, a case having an internal opening, a steering ball in said opening, a circular ball bearing supporting and guiding surface formed as part of the surface of said internal opening of said case and comprising spaced upper and lower flanges, a ball bearing cooperating surface formed on said ball, a series of ball bearings lying between said surfaces and held against vertical movement by said upper and lower flanges whereby force is transmitted from said case to said ball through said ball bearings, said surface on said ball being formed with a slight taper extending vertically when the ball bearings are in a horizontal plane, whereby lateral thrust of said case through said ball bearings against said ball surface will have but very slight tendency to move said ball vertically, the said spaced flanges of said supporting and guiding surface holding said ball bearings against displacement, and a spring in said case pressing said ball against said ball bearings, said ball moving vertically under the pressure of said spring whereby automatically to compensate for wear between said ball and case and said ball bearings.

2,298,545

COFFEE PACKAGE

Harry F. Waters, New York, N. Y.

Application October 19, 1939, Serial No. 300,099
2 Claims. (Cl. 99—171)



2. A package particularly adapted for coffee which evolves a gas upon standing and which is subject to deterioration upon exposure to air, including a container having an outer ply of paper, an intermediate ply of partially cured sheet rubber, an inner ply of greaseproof sheet material, coffee disposed within said container, the mouth of said inner ply being closed but unsealed and the mouth of said intermediate ply being closed substantially impervious to air and the rubber

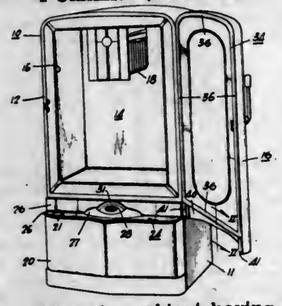
of said intermediate ply being so partially cured as to be substantially impervious to air and relatively pervious to the gas evolved by said coffee whereby said container will substantially exclude air from said package and will permit the gas evolved by said coffee to escape at a rate sufficiently rapid to avoid creation of substantial gaseous pressure within said container and to prevent bursting thereof.

2,298,546

REFRIGERATION APPARATUS

Orland H. Yoxsimer and Anthony A. Quimper, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 19, 1941, Serial No. 398,698
4 Claims. (Cl. 62—89)



1. In a refrigerator cabinet having a substantially vertical front wall, a food storage compartment, said food storage compartment having an access opening in said front wall, cooling means located in said food storage compartment, a panel having a horizontally-extending top portion attached to the access opening side of said cabinet, said horizontally-extending top portion of said panel being positioned somewhat below the plane of the bottom of said access opening, a manually-operated control member for regulating the temperature of said cooling means projecting above the top of said panel for a substantial distance so as to be readily accessible for adjusting, a door for closing said access opening, said door having a gasket thereon for sealing the access opening, said gasket including a vertical portion adjacent each side of the door, said door having a portion which overlaps the access opening, said overlapping portion of the door having a recess therein, said recess being so formed that the walls of the door adjacent said recess and said vertical wall of said cabinet provide a compartment in which said control member is received and concealed when the door is closed, filler gaskets adjacent the sides of said overlapping portion of the door, said filler gaskets being positioned in line with said vertical portions of the door gasket so that when said cabinet is viewed from a side with the door closed a substantially continuous gasket is seen from the bottom to the top of the door.

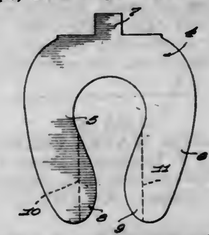
2,298,547

SANITARY SEAT COVER

Austin W. Curtis, Jr., Tuskegee Institute, Ala.

Application December 13, 1940, Serial No. 370,069
1 Claim. (Cl. 4—243)

A sanitary seat cover comprising a paper blank stamped to define a body having spaced arcuate arms, each of said arms having score lines extending from substantially the midpoints of the inner edges of the arms to substantially the midpoints of the end edges of said arms to define retaining flaps, said flaps depending and being



engageable with confronting portions of the outer ends of a toilet seat for limiting said seat cover against displacement from said seat.

2,298,548

SOLUTION OF ZEIN IN SOLVENTS ACIDIFIED WITH INORGANIC ACIDS

Roy E. Coleman, Meriden, Conn., assignor, by mesne assignments, to Time, Incorporated, a corporation of New York

No Drawing. Application July 18, 1938, Serial No. 219,827
14 Claims. (Cl. 106—153)

1. A coating composition comprising a solution of a prolamin in a solvent mixture characterized by the presence of an alcohol and an inorganic acid, said solvent for the zein containing not in excess of 5% of water, said composition containing not in excess of about 5% of added water and being stable against separation of the prolamin at temperatures of 70° F. and being substantially non-gelling.

2,298,549

TREATING ZEIN

Roy E. Coleman, Chicago, Ill., assignor, by mesne assignments, to Time, Incorporated, a corporation of New York

No Drawing. Application February 20, 1939, Serial No. 257,476
8 Claims. (Cl. 106—153)

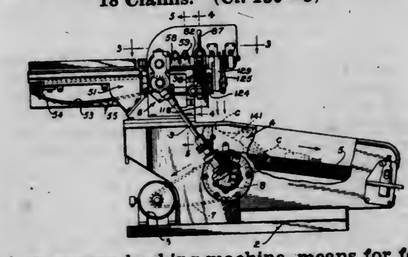
1. A substantially dry, non-plastic, non-sticky compounded zein base for use in the preparation of zein solutions or coating compositions comprising zein and an inorganic acid.

2,298,550

CORN HUSKING MACHINE

Ralph Cover, Westminster, Md.

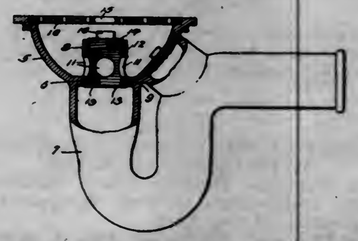
Original application January 22, 1938, Serial No. 186,419, now Patent No. 2,242,113, dated May 13, 1941. Divided and this application December 18, 1940, Serial No. 370,704
18 Claims. (Cl. 130—5)



1. In a corn husking machine, means for feeding corn ears tip first in the direction of the

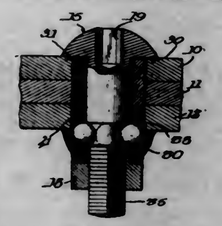
length thereof, means for thereafter feeding said corn ears sidewise, means for slitting the ear husks longitudinally while they are moving in the direction of their length, means for debutting the corn ears while they are being fed sidewise, and means for stripping the longitudinally slit husks from the debutted corn ears.

2,298,551
BACK WATER VALVE
Russell F. Davisson, Tulsa, Okla.
Application October 29, 1941, Serial No. 417,043
1 Claim. (Cl. 182—17)



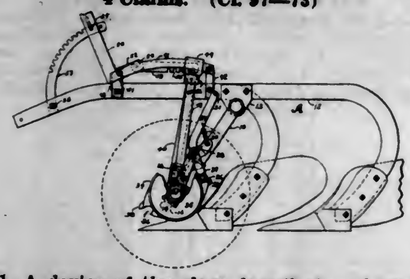
A back water valve for a floor drain trap, comprising a one-piece cylindrical sleeve open at both its upper and lower ends, said sleeve having an external screw thread at its lower end for mounting it in the inlet end of the trap, said sleeve having circumferentially spaced water conducting openings directly above said external screw thread, said sleeve having an internal screw thread from end to end and being downwardly tapered internally below said openings, and a screw plug threaded into said sleeve and having a loose fit therein except when threaded downwardly into said tapered lower end of said sleeve, said plug normally occupying a position in said sleeve above said openings but being tightly receivable in said tapered lower end of said sleeve to prevent back-flow when required.

2,298,552
SELF-HEADING BOLT
Emile M. Du Vall, Chicago, Ill., assignor to Robert E. Owens, Chicago, Ill.
Application June 26, 1941, Serial No. 399,788
13 Claims. (Cl. 85—1)



1. An expansion bolt for insertion in an opening extending through parts to be joined thereby, including a sleeve adapted to have location within said opening, a longitudinally extending member within the sleeve and concentric therewith, said longitudinally extending member projecting beyond the sleeve on one side of the said parts to be joined, an expansion collar supported by said projecting portion of the longitudinally extending member, and a plurality of relatively hard surfaced balls confined between said sleeve and expansion collar, said balls having association with said collar in a manner whereby movement of the collar in an axial direction toward the sleeve will force the collar to encompass the balls, thereby expanding the collar.

2,298,553
CONSTANT HEIGHT LIFT FOR PLOWS
George Ross Ego, Brantford, Ontario, Canada, assignor to Massey-Harris Company Ltd., Toronto, Ontario, Canada, a limited company of Canada
Application January 2, 1941, Serial No. 372,722
4 Claims. (Cl. 97—73)

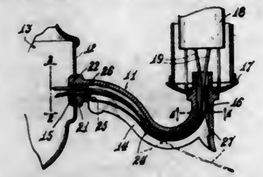


1. A device of the class described, comprising a frame having ground working means, an L shaped axle, one end being transversely hingedly mounted on said frame, the other end extending forwardly and downwardly and having a bracket secured to the end thereof, a stub axle rotatably mounted in said bracket and having a crank on its inner end, a ground wheel rotatably mounted on the outer end of said stub axle, a two part half turn power lift clutch positioned between said bracket and wheel, one half being secured to said stub axle and the other half secured to the wheel, manually controlled means adapted to cause said two clutch halves to be intermittently locked together and means whereby said crank will move one half turn at each operation, a curved bar mounted on said frame and having a bracket slidably mounted thereon, a link forming an operating connection between said crank and said slidable bracket, a manually operated depth lever having a connection to said slidable bracket with means whereby the bracket may be moved and held in any desired position on the curved bar, said curved bar being positioned substantially on a radius with said crank as a center when the crank is in its upper position relative to said stub axle, said axle bracket having a sleeve rotatably mounted therein into which said stub axle is rotatably mounted, the inner end of said sleeve having rigidly mounted thereon an upwardly extending bar, a hub mounted on said slidable bracket through which said bar slidably extends, an arm on the outer end of said sleeve upon which said manually operated means is hingedly mounted, a spring forming a connection between said manually operated means and said sleeve arm whereby said inner clutch member is normally held in either of its inoperative positions.

2,298,554
LAMP FIXTURE
August O. Elting, Chicago, Ill.
Application August 28, 1941, Serial No. 408,624
4 Claims. (Cl. 248—342)

1. In a lamp fixture, a fixture arm including a body portion providing an inverted wire-receiving channel and having a tubular portion at each end communicating with the channel, and a resiliently flexible cover strip having a tongue

at one end engageable in one of said tubular portions and having its other end engageable in



the other tubular portion by flexing said cover strip to retain the cover strip in the channel to house wires therein.

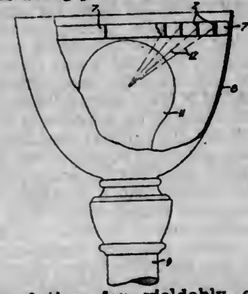
2,298,555
MECHANICAL LEAD PENCIL
Charles R. Fargo, Beverly Hills, Calif.
Application September 25, 1939, Serial No. 296,383
2 Claims. (Cl. 120—21)



1. In a mechanical pencil having a barrel with an internally tapered chuck end, and a running thread on its opposite end; a lead containing unit adapted for reciprocation in said barrel comprising a continuously extending cylindrical tube substantially uniform in cross section having a compressible end beveled to a sharp knife-like edge and engageable with the inner tapered surface of the chuck, the other end of said tube having a head slipped over it, said head having a bore closely engageable with the outer cylindrical surface of the tube wall and a running thread integral therewith engageable with the threaded end of the pencil barrel, there being abutments on the tube wall and said head being rotatably confined on the tube wall by said abutments so that its ends are engageable therewith.

2,298,556
LIGHT REFLECTING SCREEN
Norman C. Foss and Leonard R. Foss, Oakland, Calif.
Application November 8, 1939, Serial No. 303,386
2 Claims. (Cl. 240—81)

1. The combination with a lamp having an upwardly faced bowl for reflecting and diffusing light from a source within the bowl, of a screen comprising a band of flat strip material wound in spiral convolutions about a central axis, spacing means secured to the convolutions for holding the same in substantially uniformly spaced relation, and spring supporting fingers secured upon the outer faces of the outer convolution adjacent the outer ends of the spacing means, said fingers being positioned tangentially to said



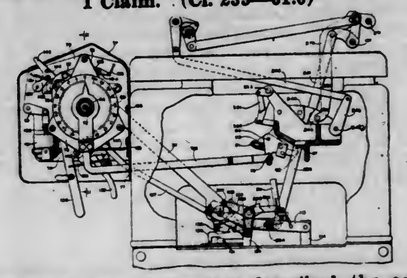
outer convolution for yieldably engaging the inner surface of the bowl.

2,298,557
MINERAL OIL COMPOSITION
Everett W. Fuller, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 25, 1941, Serial No. 412,285
18 Claims. (Cl. 252—50)

1. An improved mineral oil composition comprising a viscous mineral oil fraction and in admixture therewith a minor proportion of a reaction product obtained by reaction of a dichlor alkyl ether and an aromatic amine represented by the general formula

wherein R represents an aromatic hydrocarbon radical and R' is selected from the group consisting of hydrogen, aliphatic radicals and aromatic radicals, said product being present in an amount sufficient to inhibit the deleterious effects of oxidation upon the oil.

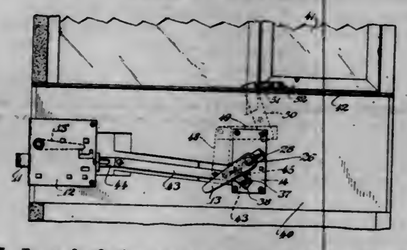
2,298,558
AUTOMATIC STOP FOR TABULATORS
John T. Ferry, Ilion, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application March 21, 1939, Serial No. 263,157
1 Claim. (Cl. 235—61.6)



In a machine of the class described, the combination of a driving means, a clutch for connecting said driving means to the machine, a control means for controlling the operation of taking a total, said control means comprising a link which is operated once during each total taking operation, means for shifting the link from its normal total taking position to a position where grand total taking operations may be con-

trolled, a ratchet disc having teeth on the periphery thereof, a settable stop lug mounted on the ratchet disc, an actuating pawl for engaging the teeth on the ratchet disc, direct coupling means between the link and the actuating pawl for rotating the ratchet disc one tooth space for each total taken by the machine, said direct coupling means comprising a lever manually adjustable to one of two positions to be selectively engaged by the link in either its normal position or in its shifted position, whereby normal total taking operations or grand total taking operations may be counted by the ratchet disc, a rockable lever positioned for operative engagement with said stop lug, and coupling means between said rockable lever and the clutch, whereby engagement of the stop lug with the rockable lever disengages the clutch and disconnects the driving means from the machine.

2,298,559
AUTOMOBILE DOOR LOCK
Henry M. Fredholm, Midlothian, Ill.
Application August 12, 1939, Serial No. 289,743
7 Claims. (Cl. 292—5)

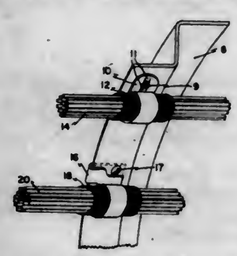


5. In a lock for an automobile door having a swingably mounted ventilating sash, means for securing said door and its sash, operating means for controlling said means including a pivotally mounted handle and a connecting member operable on swinging movement of said handle in a direction to prevent operation of said bolt to lock said sash against unauthorized movement and a latching means engageable with said operating means upon movement of same into said last named position.

7. In a lock for an automobile door having a relatively movable sash, bolt means for securing both said door and said sash in closed positions, handles pivotally mounted on opposite sides of said door, the outer handle having a connection with said bolt means for normally releasing said door, said bolt means including a connection with the inner handle for operation thereby to also release the door upon swinging movement of said inner handle in one direction, said last mentioned connection being operative upon swinging movement of said inner handle in the opposite direction to move said bolt means to lock said sash and prevent further operation of said means by the outer handle.

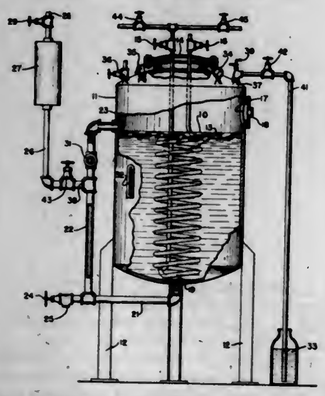
2,298,560
CLAMP
Robert R. Harrison, North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 20, 1941, Serial No. 423,844
1 Claim. (Cl. 248—71)

Means for securing a bundle of wires to a support comprising a substantially semi-circular loop having a flange-like extension at one end for attachment to a support, the other end being free, and a cushion of flat material bonded to the inner face of the loop and having a portion extending beyond the free end of the loop adapt-



ed to be disposed between the bundle of wires and the support.

2,298,561
BACTERIA CULTURE AND PRODUCTION THEREOF
Adolph A. Hendrickson, Oak Park, Ill., assignor to The Albert Dickinson Company, Chicago, Ill., a corporation of Illinois
Application January 24, 1940, Serial No. 315,387
8 Claims. (Cl. 195—96)

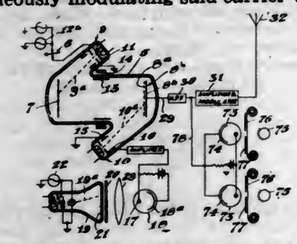


1. The method of breeding bacteria, which comprises inoculating a liquid food medium, in the presence of stainless steel, with aerobic nitrogen-fixing bacteria of the genus Rhizobium, and aerating the liquid medium by injecting air thereinto in proper direction to cause movement of the mass of said medium whereby aeration of the entire mass is assured and bacterial growth is enhanced by the promotive action of said stainless steel.

2,298,562
METHOD AND APPARATUS FOR HINDERING INTERFERENCE WITH WIRELESS TRANSMISSION OF MESSAGES
François Charles Pierre Henroteau, Ottawa, Ontario, Canada
Application May 13, 1941, Serial No. 393,297
In Belgium May 11, 1940
19 Claims. (Cl. 250—8)

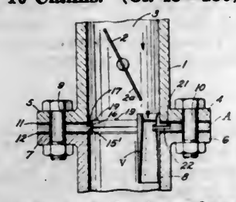
1. The method of hindering interference with wireless transmission of messages, which comprises distorting a wave adapted for selection from all other waves by means of a filter to a wave unadapted for such selection, modulating a carrier wave with such distorted wave itself

modulated in accordance with a message, and simultaneously modulating said carrier wave with



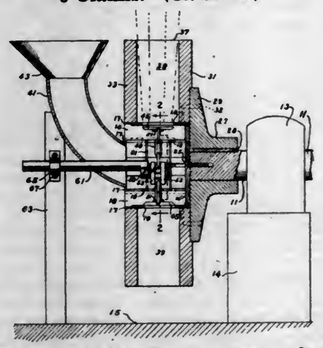
a different wave unadapted for selection from all other waves by means of a filter.

2,298,563
CARBURETING DEVICE
Herman Hersch, Cleveland, Ohio
Application November 16, 1939, Serial No. 304,802
10 Claims. (Cl. 48—180)



1. In apparatus of the type described, a conduit for conveying a mixture of gas and liquid, a trough extending into said conduit and adapted to intercept and collect liquid moving along the wall of said conduit in the direction of mixture flow therethrough, means in said conduit adapted to create a zone of greater mixture velocity at one side of the conduit, means, disposed in said zone of greater mixture velocity, for increasing the velocity and reducing the pressure of a portion of the mixture, and means for conveying liquid from said trough to said pressure reducing means and introducing said liquid into said portion of the mixture having increased velocity and reduced pressure.

2,298,564
ABRASIVE CONTROL UNIT
Lloyd L. Hobson, Marshall, Mich., assignor of one-half to Harry S. Toy, Detroit, Mich.
Application December 12, 1940, Serial No. 369,861
6 Claims. (Cl. 51—9)



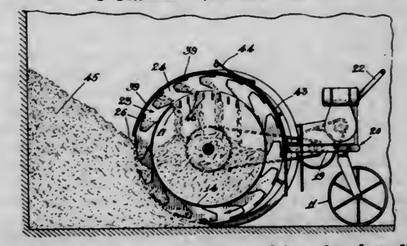
3. A material distributing device having in combination, a material distributing housing of a generally hollow conformation having axially extending slots opening outwardly for delivering material by centrifugal force, a rotatively journalled shaft supporting and driving said distributing housing, slot closing members disposed in said housing adjacent the respective slots for movement outwardly by centrifugal force to close the respective adjacent slots as the housing rotates, a control member mounted in said housing eccentrically with reference to the axis of rotation of said housing, and a flexible connector extending from each slot closing member to the eccentric control member.

2,298,565
FOLDABLE CARDBOARD BOX
Meade Hyndman, St. Louis, Mo.
Application January 25, 1940, Serial No. 315,500
1 Claim. (Cl. 229—41)



A foldable box made from a one-piece blank including two side walls and two end walls, side tabs having permanent integral hinge connection with the lower edges of said side walls and arranged to cross each other and interlock when the box is opened, end tabs complementary to said respective side tabs and having permanent integral hinge connection with the lower edges of said end walls, hinges having spaced end portions in integral connection with the edges of said end tabs and being unattached to said end tabs between said end portions, parts in connection with said hinges extending beyond the edges of said end tabs when said hinges are attached to said side tabs and the box is open, and means for attaching said hinges including said parts to the undersides of the adjacent side tabs leaving the box free to be moved from folded position to open box-like form, and vice versa, and holding said side tabs crossed and interlocked when the box is open.

2,298,566
ROTARY SCOOP TYPE MACHINE FOR HANDLING BULK MATERIALS
Charles S. Johnson, Champaign, Ill., assignor to The C. S. Johnson Company, Champaign, Ill., a corporation of Illinois
Application September 14, 1940, Serial No. 356,744
8 Claims. (Cl. 214—78)



1. A rotary scoop type machine for handling loose bulk material comprising, in combination, a wheeled cart having a horizontal trunnion shaft thereon, a container fixed to said shaft for oscillation therewith and disposed with the shaft projecting through it, a plurality of scoops, a

support freely journaled on said shaft and carrying said scoops in an endless circular series encircling said container, power actuating means carried by said cart, means including a sprocket wheel loosely journaled on one end portion of said shaft and fixed to said revoluble support and having an endless chain trained thereover for connecting said power actuating means in driving relation with said support to revolve the latter, said scoops being positioned on said support to dump their contents onto the container as they successively pass over its top, said container having a peripheral opening therein, and means for turning said shaft to shift said container between a filling position in which said opening is located on the upper side of the container and a discharge position in which said opening is on the lower side of the container, said turning means comprising a hand lever and a second sprocket wheel fixed to the end portion of said shaft opposite to the one first mentioned and a second endless chain trained thereover for connecting said hand lever to said second sprocket wheel to turn the shaft.

2,298,567
PUMP ANCHOR
Judson Kelly, Rivera, Ernest W. Ostrom, Pasadena, and Glynn H. Williams, Huntington Park, Calif., assignors to Axelson Manufacturing Co., Los Angeles, Calif., a corporation of California
Application July 20, 1940, Serial No. 346,624
6 Claims. (Cl. 103—219)



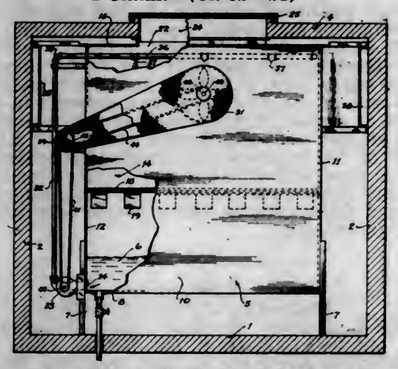
2. In a structure for anchoring pumps in tubing in a well, an anchor member on said pump having means thereon projecting outwardly therefrom, means on said pump defining a seating shoulder spaced from said projecting means, a separate reversible lock member on said tubing including a pair of oppositely directed anchor seats, a separate reversible pump seat member having a pair of oppositely directed seating surfaces thereon, and means detachably securing said lock member and said pump seat member on said tubing in such relative positions as to engage one of said anchor seats with said projecting means and detachably hold said pump in said tubing in a position engaging said seating shoulder with one of said seating surfaces, whereby removal and reversal of said lock member and said pump seat member places the others of said anchor seats and said seating surfaces in positions to so engage said projecting means and said seating shoulder, respectively.

2,298,568
SHEET METAL FASTENER
Harold W. Kost, Birmingham, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application November 7, 1941, Serial No. 418,155
3 Claims. (Cl. 85—36)



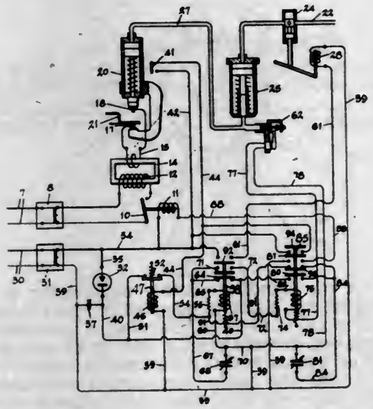
1. A clip for attachment to a supporting panel having an aperture for receiving the shank of a fastener, said clip comprising a pair of arms having portions extending in the same general direction for engaging opposed surfaces of the supporting panel, a shank engaging portion on one arm, and a flexible apertured lip integral with the other arm and having a free end portion severed from and normally inclined out of the plane of the respective arm toward the adjacent surface of the supporting panel, said lip being yieldable and of a size to enter the aperture of the supporting panel and abut against an edge thereof when released from pressure for retaining the clip in position on the panel.

2,298,569
REFRIGERATED VEHICLE
Eric Willard Lager, Palos Park, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application July 22, 1940, Serial No. 346,780
1 Claim. (Cl. 62—24)



A refrigerating unit for truck bodies comprising a brine container having a top, bottom, side and end walls, an ice bunker having a perforated bottom wall mounted within the top portion of the brine container and in spaced relation with opposite side walls of the brine container and providing a continuous air passage between the opposite side walls, an air space between the brine in the container and the perforated bottom wall of the ice bunker, an air inlet adjacent to the top of the brine container communicating with the air space and with the air passage defined by one pair of spaced side walls of the ice bunker and the brine container, an air outlet adjacent to the top of the brine container communicating with the air space and with the air passage defined by the opposite pair of spaced side walls of the ice bunker and the brine container, a conduit provided with force circulating means extending from the bottom of the brine container into the ice bunker and above the ice contained therein and having a plurality of spray outlet nozzles adapted to spray the brine delivered from the brine container directly in contact with the ice in the ice bunker whereby the brine will drain through the ice and become chilled thereby and will drain by gravity through the perforated bottom of the ice bunker and across the air space, and means including a fan for causing the continuous circulation of fresh air through the air passage and air space whereby the incoming warm air is prechilled by contact with the outer walls of the ice bunker and then chilled to a much lower degree by direct contact with the chilled brine trickling from the perforated bottom wall of the ice bunker.

2,298,570
ELECTRIC TIMER
Chester F. Leathers, Chillicothe, Ohio, assignor to Weltronic Corporation, Detroit, Mich., a corporation of Michigan
Application June 23, 1939, Serial No. 280,803
12 Claims. (Cl. 175—320)



1. In a timer control system for actuating first and second translating means, the combination of first and second condensers, means for supplying charging current to said first condenser, control means, means including circuit connections responsive to said control means for disconnecting said first condenser from said first means and for directly connecting said first translating means to said first condenser for actuation by the energy stored in said first condenser, means rendered effective by and during the flow of said energy for delivering charging current to said second condenser, and means rendered effective after a predetermined flow of said energy from said first condenser for rendering said second condenser effective to discharge the energy stored therein and actuate said second translating means.

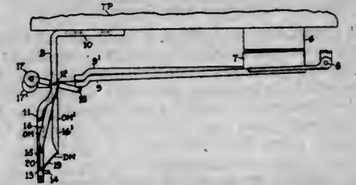
2,298,571
GUIDE CARD WITH INDEX-INSERT POCKET
Harold L. Lindberg, Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application November 1, 1940, Serial No. 363,800
2 Claims. (Cl. 129—16.8)

1. A guide card with a projecting tab for vertical filing systems, said tab having a recess on its front face defined by end and bottom shoulders, a flat tubular pocket disposed in said recess and open at an end to receive an index-insert, one end shoulder abutting said open end of said pocket



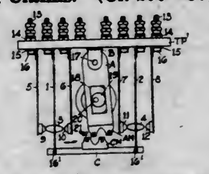
to retain an index-insert therein, and means for securing said pocket to said tab.

2,298,572
RELAY
Robert J. Little, Gates, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 22, 1940, Serial No. 314,923
8 Claims. (Cl. 175—337)



8. In interlocked relays, in combination, two separate armatures movable separately from attracted to retracted position, a normal stop and a reverse stop, a movable detent biased against the normal stop and movable to bear against the reverse stop, an operating link for each armature biased to a normal position and movable, by the movement of its armature to the retracted position, to assume a reverse position, each link when moved away from its biased position contacting said detent and moving the detent toward its reverse stop, the detent when against its reverse stop lying in the path of movement of both links when moving from normal to reverse position.

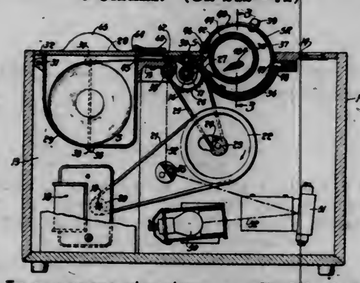
2,298,573
ELECTRICAL CONTACT CONTROL DEVICE
Robert J. Little, Gates, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application June 21, 1940, Serial No. 341,701
4 Claims. (Cl. 200—87)



1. In a contact operating means, an operator, a movable operated member, contacts operatively associated with the operated member, means for moving the operator from one to the other of two extreme positions, a U-shaped magnet carried by the operated member, a U-shaped magnet carried by the operator and positioned to cause its poles to move in close opposition to,

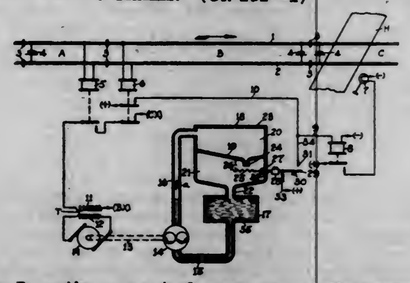
but out of contact with, the like poles of the carrier magnet when the operator is intermediate its extreme positions, whereby to repel the operated member toward one or the other of the two extreme positions when the operator is in the other, or the one, extreme position, the said U-shaped magnets having their poles all in the plane of movement of the said operator.

2,298,574
CAMERA STRUCTURE
Marshall L. Lockhart, Ossining, N. Y.
Application February 9, 1939, Serial No. 255,539
9 Claims. (Cl. 242—71)



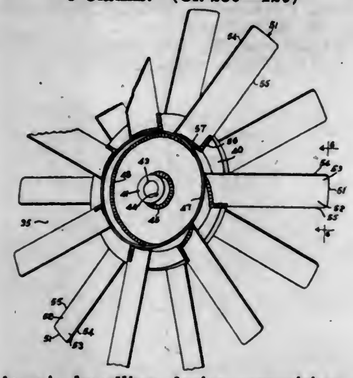
4. In a camera structure, a cylindrical strip receptacle, a support therefor, said receptacle having an opening through the cylindrical wall thereof to receive strip material, said support having a semi-cylindrical seat, said receptacle being seated therein, said seat having an opening therein aligned with the opening of said receptacle when the receptacle is seated in the seat, an element in said seat opposite said openings to engage and support one side of said receptacle, shoulder means adjacent said openings to support the other side of said receptacle, means to guide said strip into said receptacle whereby it forms a roll therein, the thrust of said strip into said receptacle being toward the portion of the receptacle outside of said seat beyond a line connecting said element and shoulder means to effect elevation of said receptacle out of said seat upon the receptacle being completely filled, said receptacle including means to close the opening therein, said strip upon engaging said last means when it is inadvertently closed effecting elevation of said receptacle out of said seat.

2,298,575
HIGHWAY CROSSING SIGNALING SYSTEM
Stuart J. Mackey, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application October 8, 1938, Serial No. 234,074
7 Claims. (Cl. 161—1)



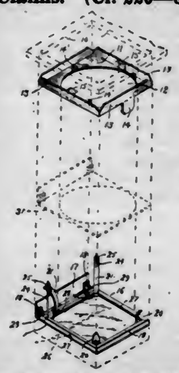
1. In a timer, control means normally ineffective to control, a storage tank, a restricted outlet in the tank, supply means including normally inoperative mechanism operable for causing storing or fluid in the storage tank by virtue of supplying the tank over various time periods, with the fluid at a rate greater than it can escape from the tank through the outlet, whereby to accumulate various amounts of fluid in the tank at the time the supply period terminates, said control means being acted upon only by, and throughout the duration of, fluid flow through the outlet to make it effective to control only during, and throughout the duration of, outlet flow.

2,298,576
AIR HANDLING APPARATUS
Roy H. McElroy and George R. Mumma, Dayton, Ohio, assignors to The International Engineering, Inc., Dayton, Ohio, a corporation of Ohio
Application July 17, 1941, Serial No. 402,780
6 Claims. (Cl. 230—120)



1. An air handling device comprising a disc having an annular ring secured to and extending from each side thereof, the edge of said disc extending but slightly beyond said rings, and a plurality of blades radially disposed adjacent each side of said disc having their inner ends secured to said disc and said rings and extending substantially beyond the edge of said disc for producing axial flow of air.

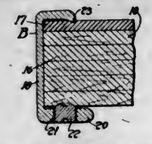
2,298,577
HOLDER FOR ICE CREAM CONTAINERS
Archie J. McPhail, Hibbing, Minn.
Application September 15, 1941, Serial No. 410,905
2 Claims. (Cl. 220—85)



1. A holder for ice cream containers comprising a plate adapted to be disposed in a freezer compartment and on which the bottom of an ice cream container is adapted to rest, said plate being provided with an upstanding wall having spaced inwardly opening sockets, an open frame mounted on said plate and in which the lower end of the container is adapted to be disposed, said frame being provided with leaf springs at the corners thereof for frictionally engaging the side wall of the container for preventing it from turning relatively to the compartment, a U-shaped member pivotally connected to opposite sides of said frame and disposed on the outer side of a portion thereof, latch means for releasably holding the U-shaped member in substantially the same plane as the frame, follower screws carried by the U-shaped member, and said follower screws being adapted to engage said sockets for yieldably holding the upstanding side of the plate against a side wall of the compartment and the side of the frame, remote thereto, against the opposite side walls of the compartment.

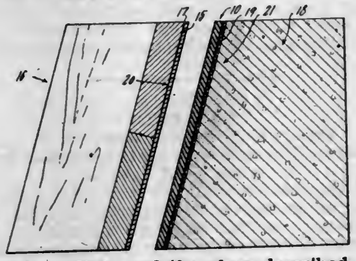
2. A device as in claim 1, comprising means for adjustably positioning certain of said springs relatively to the ice cream container.

2,298,578
TABLE TOP EDGE BANDING
Sern Madsen, Clinton, Iowa, assignor to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa
Application July 24, 1939, Serial No. 286,193
3 Claims. (Cl. 311—107)



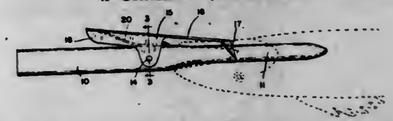
1. An edge banding for a table top comprising an elongated substantially channel-shaped member receiving the marginal edge of the table with one flange overlying the face, the web overlying the edge and the other flange overlying the back of said marginal edge, said one flange having its terminal edge located out of the plane of the inner face of said flange to provide line contact with the face of the table at said terminal edge, said other flange having threaded holes spaced therealong, and screws received therein and bearing against the back of said top when tightened and thereby drawing said terminal edge into said line contact with said face of said table.

2,298,579
ABSORPTIVE FORM LINING
Albert W. Meyer, Nutley, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application September 26, 1941, Serial No. 412,351
12 Claims. (Cl. 25—122)



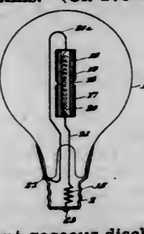
1. A form lining of the class described, comprising a layer of absorbent sheet material, a facing layer of material non-adhesive to cement secured to said absorbent layer by a layer of permeable, water-insoluble adhesive, and a backing sheet of fibrous sheet material adhered to said absorbent layer by a layer of adhesive adapted to be loosened by the action of water in said absorbent layer derived from the concrete.

2,298,580
FISH HOLDING DEVICE
Walter F. Miron, Detroit, Mich.
Application June 16, 1938, Serial No. 214,083
2 Claims. (Cl. 17—8)



1. A fish holding implement comprising a rigid elongated stem and handle assembly, a clamping device pivoted thereto having an actuating portion extending adjacent the handle and a gripping portion extending adjacent the stem and movable toward and from the same, and means pivotally connecting the handle and clamping device at a point between the actuating portion and gripping portion of the latter, the stem being thinner than the handle and the gripping portion having laterally spaced teeth adapted to extend on either side of the stem.

2,298,581
LUMINESCENT LAMP BULB
Jean Baptiste Joseph Marcel Abadie, Puteaux, France
Application January 22, 1940, Serial No. 315,012
4 Claims. (Cl. 176—122)

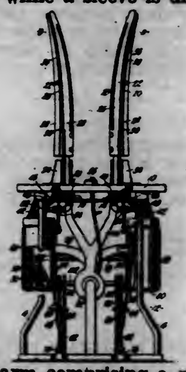


4. A luminescent gaseous discharge device comprised of a bulb, a hollow cup-shaped electrode, a second hollow cup-shaped electrode oppositely arranged with respect to the first with the hollow portions of the cups in aligned relationship, a tubular element of refractory material having its respective end portions seated within the cups, connection wires extending through the bulb into respective electrical connection, with said electrodes and a resistance heater located within said tubular element and having its ends respectively connected with said electrodes at the bottoms of the cup portions thereof.

2,298,582
SLEEVE MOLDING MACHINE
Matthew F. Moran, Kansas City, Mo.
Application November 22, 1939, Serial No. 305,617
4 Claims. (Cl. 223—73)

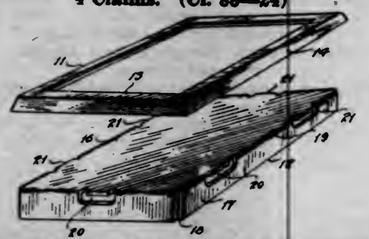
1. In a sleeve molding machine of the character described, a forming arm including a pair of vertical sections; a steam nozzle projecting into the arm between the sections at the lower

ends thereof; an articulated baffle plate at the upper ends thereof closing the space therebetween; and means for directing a blast of air into the arm while a sleeve is disposed thereon,



said forming arm comprising a pair of opposed longitudinally arched sections appreciably narrower than the sleeve arranged to hold a major portion of the sleeve therebetween for direct contact with the steam and air entering the arm.

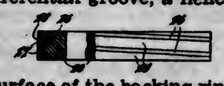
2,298,583
PHOTOGRAPHIC PRINTING FRAME AND THE LIKE
Januarius A. Mullen, Grosse Pointe, Mich.
Application April 28, 1941, Serial No. 390,693
4 Claims. (Cl. 88—24)



1. A photographic printing frame comprising a rectangular base member having a flat paper supporting surface and a vertical flange around the peripheral edge thereof to hold said flat surface spaced from a support upon which said base member may be placed, and a cooperating rectangular open frame adapted to be placed upon said base member for holding a piece of sensitized paper securely in position thereon, said open frame comprising a horizontal flange section for engaging and forming a border outline upon said sensitized paper in the printing thereof and a depending flange section, said depending flange section extending downwardly and outwardly relative to the said flat surface of said base member, whereby said depending flange section will exert a substantially automatic centering action upon a piece of paper supported upon said base member when said open rectangular frame is placed upon the base member.

2,298,584
PACKING RING, CUP WASHER, AND THE LIKE
John Henry Onions, London, England
Application May 20, 1940, Serial No. 336,293
In Great Britain June 28, 1939
4 Claims. (Cl. 309—23)

1. A packing ring for effecting a substantially fluid-tight seal between a pair of telescopically slidable surfaces, one of which has a circumferential groove accommodating the packing, said packing ring comprising an endless backing ring of relatively soft resilient rubber which backing is adapted to be stretched over the wall of the said circumferential groove, a helical rib formed



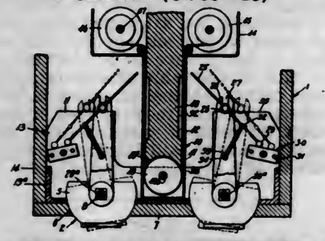
upon that surface of the backing ring which faces the ungrooved slidable surface, and a separate helix of relatively hard wear-resisting material arranged to be sprung into engagement with the surface of the backing ring so that the helical rib on the backing fits between the adjacent turns of the wear-resistant helix and engages with the said ungrooved slidable surface.

2,298,585
AUTOMOTIVE SUSPENSION
Ross H. Phelps, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application March 29, 1940, Serial No. 326,556
15 Claims. (Cl. 267—20)



1. A wheel suspension including a control arm formed of two stampings welded together, said stampings each having oppositely pressed out portions cooperating to form a plurality of hollow strengthening ribs in spaced converging relationship with spaced parallel ends.

2,298,586
OPTICAL APPARATUS
Paul L. Phillips, Hartford, Conn.
Application May 20, 1939, Serial No. 274,799
18 Claims. (Cl. 95—18)

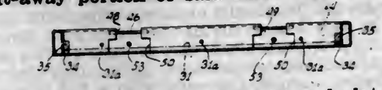


1. In an optical apparatus, adjustable stereoscopic lens systems including right and left lenses and means for adjusting said lenses into converging relation, image reflecting means cooperating with said lenses, and means for automatically adjusting the position of each of said reflecting means bodily and angularly relative to its lens as a function of lens convergence to eliminate distortion of the images as said lenses converge.

2,298,587
CASSETTE
Halsey L. Raffman, Bronx, N. Y.
Application November 15, 1941, Serial No. 419,259
5 Claims. (Cl. 250—68)

1. A cassette comprising a frame having at one end, an outer vertical wall, a horizontal top wall, and an inner vertical wall, said top wall having a cut-away portion, said inner vertical wall being cut-away adjacent its upper end to an extent

equivalent to the cut-away at the top wall, and being cut-away adjacent its bottom end on opposite sides of the cut-away at its upper end, a bar fixed to said inner vertical wall and covering the wider cut-away portion of said inner vertical wall, a



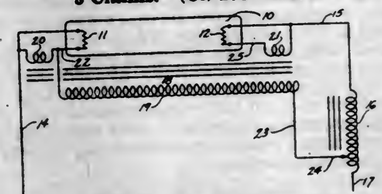
cover for said cassette, and a hinged plate fixed to said cover and extending therebeyond, and formed with recesses, said hinge plate passing through the cut-away portion at the upper end of the inner vertical wall.

2,298,588
SMALL LAMP REFLECTOR
Lambert L. Raymond, Minneapolis, Minn.
Application April 7, 1939, Serial No. 266,451
3 Claims. (Cl. 240—103)



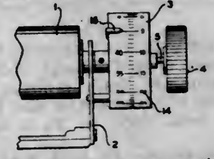
1. A reflector for Christmas trees comprising a sheet of very thin metal having a polished surface, said sheet being of general concavo-convex form and symmetrical about a central axis, said reflector having regular circumferentially spaced convolutions therein and having a central opening and a layer of thin tough flexible insulating paper having adhesive on one side secured to each side of said reflector about said opening and extending inwardly of said opening, said layers being secured together by said adhesive inwardly of said opening and having an opening therethrough smaller than and concentric with said first mentioned opening adapted to receive the plug portion of a lamp, said layers acting to insulate said sheet from said plug portion.

2,298,589
ELECTRIC DISCHARGE APPARATUS
Ralph W. Reitherman and Charles M. Rowell, Chicago, Ill., assignors to Frank F. Rowell, Sr., Chicago, Ill.
Application October 12, 1939, Serial No. 299,080
3 Claims. (Cl. 176—124)



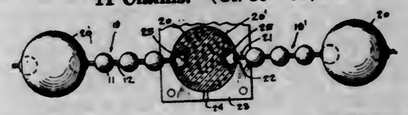
1. Starting and operating apparatus for a gaseous electric discharge device having thermionic cathodes, said apparatus comprising conductor wires connecting one terminal of each of said cathodes in series with a source of alternating current, a ballast inductance interposed in one of said conductor wires in series with said cathodes, and a transformer including a primary and two secondaries, each of said secondaries being connected to the terminals of one of the respective cathodes, and said primary being connected at one end to said ballast inductance and the other end being in series with the secondary connecting the cathode, one terminal of which is connected to the other conductor wire, said inductance and transformer being magnetically coupled, and the core cross-section of said transformer being substantially greater than the core cross-section of said inductance, whereby the voltage is initially increased to cause electronic flow between the cathodes and whereupon said inductance serves to ballast the circuit to maintain electronic flow at reduced voltage.

2,298,590
TYPEWRITER ACCESSORY
Woodward Baldwin Rich, Baltimore, Md.
Application July 15, 1939, Serial No. 284,772
2 Claims. (Cl. 197—189)



1. In a typewriter having a carriage, a rotatable shaft on the carriage, a platen carried by said shaft, and a turning member for the platen, a device for indicating the number of lines to be written on a page comprising a casing having a backing plate secured to the carriage, a drum rotatable around and slidable with respect to said plate, a cover plate secured to the open end of the drum, a ring gear mounted on the backing plate, a driving gear carried by the platen shaft, an idler gear attached to the cover plate and normally out of mesh with the driving gear, the idler gear being in mesh with the ring gear, and the said idler gear being adapted to be moved into engagement with the driving gear by sliding the drum over the backing plate whereby rotary movement is imparted to the drum when the platen is rotating.

2,298,591
CHAIN
David S. Ross, Easton, Conn.
Application October 3, 1941, Serial No. 413,413
11 Claims. (Cl. 59—80)



2. In a chain, the combination of at least one bead with at least one opening; and a member molded substantially over said bead, with the opening exposed and a link with one end thereof enveloped by said bead in said member and the other end thereof projecting out of said opening and extraneously of said member.

2,298,592
DECORATIVE PRODUCT
William Wallace Rowe, Cincinnati, Ohio, assignor to Cincinnati Industries, Inc., a corporation of Ohio
Application February 8, 1937, Serial No. 124,649
2 Claims. (Cl. 154—47)

1. A flexible, non-cracking fabric capable of use as artificial leather, flooring, wall covering and the like, and comprising a flexible body, a layer of universally stretchable paper characterized by crossing sets of creping crinkles adhered to said

body by a non-brittle adhesive, and a wear coating imposed upon said paper layer, said paper layer being printed in imitation of cloth, and said coating being a coating of paint-like character



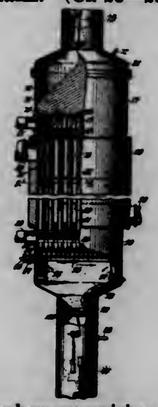
so imposed upon said paper that the said creping crinkles impart a cloth-like texture to said coating, said coating being translucent in character to disclose said printing.

2,298,593

APPARATUS FOR CATALYTIC CRACKING

Louis C. Rubin, West Caldwell, Walter B. Montgomery, Summit, and William J. Degnen, Cranford, N. J., assignors to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware

Application November 12, 1938, Serial No. 240,100
1 Claim. (Cl. 23—288)



A catalyst chamber comprising in combination a plurality of vertical open end tubes positioned in said chamber, means for introducing catalyst material to the upper end of said tubes for passage therethrough, closure plates mounted on a reciprocable support and positioned below the lower end of said tubes, each of said closure plates having an imperforate section and a section having a perforation therein, each of said sections being adapted to be alternately brought into alignment with the lower end of one of said tubes upon reciprocation of the closure plates thereby permitting the intermittent flow of catalyst material through the perforation, a pair of flanged members extending downwardly from said plates on each side of each perforation, a fixed plate positioned beneath said flanged members and adapted to define a catalyst receiving chamber therewith of a definite volumetric capacity.

2,298,594

RAZOR BLADE CONTAINER

Herman W. Rueger, Lancaster, Pa., assignor to Liberty Can and Sign Company, a corporation of Pennsylvania

Application November 14, 1939, Serial No. 304,391
3 Claims. (Cl. 206—16)

1. A razor blade container comprising a substantially deep oblong slide top box having a transversely extending used razor blade slot formed in its bottom at least a razor blade's length distant from one end thereof, in combination with a removable longitudinally extending resiliently longitudinally expansible partition disposed in said box to divide the same into upper and lower compartments, said partition being under longitudinal compression and comprising a sheet metal stamping formed with a flat portion having one end in engagement with one end of the box, a scoop portion curving upwardly from said flat portion into engagement with the box top adjacent the other box end, and a supporting



foot bent resiliently down from said scoop portion into supporting engagement with the box bottom, said supporting foot also being in resilient engagement with its respective adjacent box end and the longitudinal compression of said partition forcing its respective ends into resilient frictional engagement with the respective box ends, the scoop end of said partition being immovable vertically due to the engagement with the box top and bottom of said scoop portion and said supporting foot respectively, and the other end of said partition being free to move vertically under substantial pressure caused by insertion of blades through said used blade slot.

2,298,595

CIGARETTE AND MATCH PACKAGE

Henrietta Schneider, Hollis, N. Y.

Application November 17, 1939, Serial No. 304,900
6 Claims. (Cl. 206—48)



1. A cigarette package comprising means for maintaining a plurality of cigarettes in a wrapped condition, a cover adapted to form a label and the like and located on the outer surface of said means, a secondary cover having match stems attached to its inner surface, the match stems held against said package by said secondary cover being positioned substantially at right angle to the lengthwise direction of said package and being bent over on one or more lengthwise edges of said package, whereby to gain space required for providing a maximum amount of matches for said cigarette package.

2,298,596

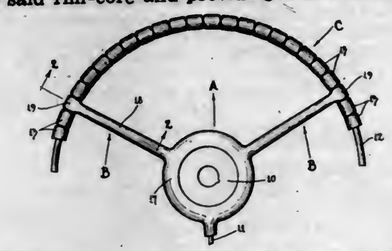
STEERING WHEEL

Herbert A. Schrantz, St. Paul, Minn.

Application June 9, 1941, Serial No. 397,162
3 Claims. (Cl. 74—552)

1. In a steering wheel, an annular spoke-supported rim-core circular in cross-section, grip-members mounted on said rim-core, each grip-member being formed with an axial bore therein receiving the rim-core, the surface of each grip-member defining the bore therein being a surface with an arcuate element of generation, the

curvature thereof conforming with the curvature of said rim-core and providing a free rotational



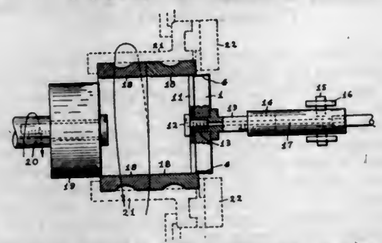
fit between grip-member and rim-core devoid of lost-motion.

2,298,597

MACHINIST'S INTERNAL TESTING GAUGE

Harry C. Sexton, Valparaiso, Ind.

Application August 4, 1940, Serial No. 351,391
5 Claims. (Cl. 33—178)



1. A gauging disk having a central hole, a plurality of faces in the periphery of the disk constituting nongauging portions, separate varying radii gauging arcs between such faces, all of said arcs being concentric with the central hole and having their gauging faces slightly beveled ranging from a minimum radius on one face through approximately three or four ten thousandths of an inch to the maximum radius on the other face, said gauging faces being specially hardened.

2,298,598

MOTOR VEHICLE DOOR LATCH

Evan L. Sitter, McLean, Tex.

Application December 3, 1940, Serial No. 368,384
4 Claims. (Cl. 292—335)



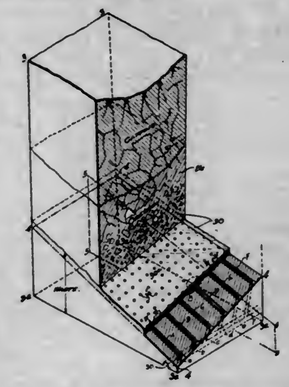
1. In a door lock, a housing, a tubular support mounted for movement within the housing, a sliding bolt mounted within the tubular support and movable longitudinally thereof, said bolt and tubular support having aligning openings, an arm pivotally mounted on the tubular support and adapted to extend into said aligning openings connecting the tubular support and sliding bolt, means for operating said arm releasing the sliding bolt, a spring adapted to retract the sliding bolt when the sliding bolt is released, means adapted to reconnect said retracted bolt and tubular support and a spring adapted to overcome the action of the first mentioned spring and extend the tubular support and sliding bolt when the sliding bolt and tubular support are connected.

2,298,599

BLOCK CAVE MINING METHOD AND PLANT

Mark A. Smith, Ruth, Nev.

Application March 15, 1941, Serial No. 383,528
16 Claims. (Cl. 262—1)



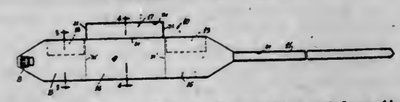
1. A block cave mining plant comprising an ore body having a caving ore zone of relatively great length therein, a conveyor deck substantially parallel to the bottom surface of the caving zone, and a plurality of conveyor drifts spaced apart from one another side-by-side on the conveyor deck and extending along substantially the length thereof; mechanical conveying means disposed in each of the said conveyor drifts, for operation along substantially the length thereof, means operative to feed ore from the caving zone to the said conveyors, and disposal means positioned to receive the ore discharged from the said mechanical conveying means; the said mechanical conveying means having a capacity at least so large that the tonnage of ore conveyed from the loading points in the loading zone, to the disposal means, in unit time, is at least equal to the tonnage rate of caving in the caving zone in the same unit time.

2,298,600

BELT OR OTHER CARRYING ARTICLE WITH POCKET

Bernard Stember, Essex County, N. J., assignor to Basic Patents, Inc., New York, N. Y., a corporation of New York

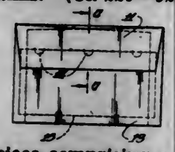
Application April 16, 1942, Serial No. 439,244
1 Claim. (Cl. 224—5)



In a belt, three flat juxtapositioned longitudinal members closed at one longitudinal edge thereof forming the bottom of said belt, transverse spaced-apart securing means joining said members together and forming of said members lateral walls of a plurality of pockets between adjacent of said securing means, and flaps projecting from two adjacent of said members and from between said adjacent securing means, said flaps being secured at their lateral ends whereby an extended mouth is formed for one of said pockets, said flaps being foldable to a position within another of said pockets with the line of fold substantially flush with the upper edge of said another of said pockets and whereby said one of said pockets is concealed from view and made

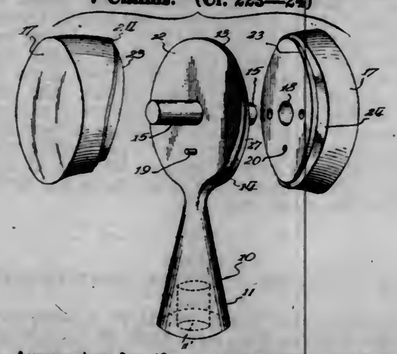
inaccessible when said flaps are folded, and means for securing the ends of said belt about the body of the wearer.

2,298,601
MAILING PIECE
Verne K. Trembiett, Winnetka, Ill.
Application May 31, 1940, Serial No. 338,119
2 Claims. (Cl. 229—92.7)



1. A mailing piece comprising a foldable sheet having a gummed sealing flap adapted and arranged to hold the sheet in folded condition, there being one or more openings in said sheet registering with the gum on said sealing flap when the sheet and flap are folded, and an insert placed within the folds of said sheet against the inner sides of said openings in position to be engaged by the gum on said sealing flap and thereby attached thereto.

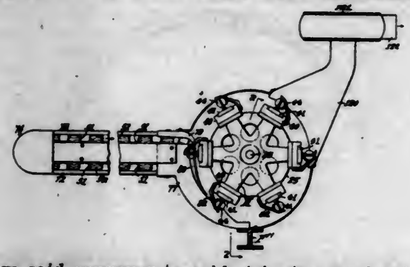
2,298,602
METHOD OF AND APPARATUS FOR BLOCKING HATS
Norman B. Varen, Chicago, Ill.
Application September 8, 1939, Serial No. 293,868
7 Claims. (Cl. 223—24)



1. Apparatus for the manufacture of felt hats and the like, comprising a center support having an aperture therein for rotatably mounting the same on a spindle, a pair of hat blocks removably mounted upon said support and so constructed and arranged as to enable a single felt hat body to be drawn tautly thereabout to form two hats simultaneously, each of said hat blocks being provided with a grooved portion to permit the felt to be held in a fixed position on each of said blocks, each of said hat blocks also being provided with an aperture to permit said blocks to be individually mounted on a spindle after removal of said blocks from said center support.

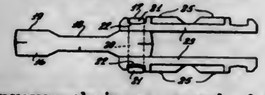
2,298,603
BOBBIN STRIPPER
Ernest H. Vowles, Fitchburg, Mass., assignor to Brown Engine & Machine Company, Fitchburg, Mass.
Application January 12, 1942, Serial No. 426,436
7 Claims. (Cl. 28—20)

1. In a bobbin stripper, a continuously rotated stripping mechanism, a continuously actuated feeding conveyor, and means to transfer a bobbin



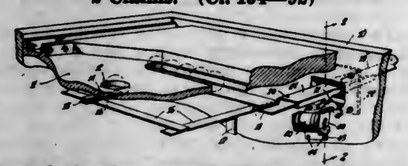
from said conveyor to said stripping mechanism and to move said bobbin continuously forward during such transfer.

2,298,604
KEYSTONE CHAIN
Jervis B. Webb, Bloomfield Hills, Mich.
Application September 12, 1939, Serial No. 294,516
4 Claims. (Cl. 74—254)



1. A conveyor chain composed of a series of links each of which is connected to its adjacent link by a pair of side bars, said links and side bars having longitudinal slotted portions terminating near the ends thereof, headed pins in said slotted portions holding said links and side bars together, said links having raised boss portions at each of their ends, said side bars being positioned adjacent said boss portions when said links and side bars are in operative relation, said side bars having built-up side portions adjacent the slotted portions thereof, said built-up side portions being cut away near the ends of said side bars to form recesses adapted to receive the heads of said pins whereby the combined depth of the said boss portion of said link and said pair of side bars is greater than the distance intermediate the heads of said pins at all possible positions where said pins could traverse except at said recesses of said side bars.

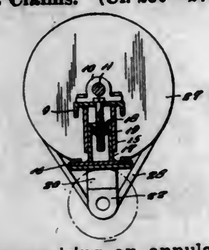
2,298,605
FREE-PLAY DEVICE
Harry E. Williams and Lyndon A. Durant, Chicago, Ill., assignors to A. B. T. Manufacturing Corp., Chicago, Ill., a corporation of Illinois
Application November 19, 1938, Serial No. 241,310
2 Claims. (Cl. 194—92)



1. A device for permitting the operation of a coin slide having a coin aperture formed therein, without the deposit of a coin in the coin aperture of the slide, comprising a latching dog normally disposed in position to engage in the coin aperture to block the movement of the coin slide when no coin is deposited in the coin aperture of the slide, means pivotally supporting the latching dog from an immovable part guiding the coin

slide, an electromagnet support, an electromagnet on the support and having a movable armature comprising a plate member having an outer angled end portion to provide a stop adapted to be disposed in blocking relation with respect to the latch dog when the electromagnet is energized, and means for energizing said electromagnet.

2,298,606
FAN
Julian T. Wren, Jefferson City, Mo.
Application November 4, 1941, Serial No. 417,821
2 Claims. (Cl. 230—273)



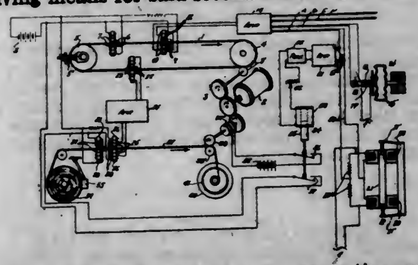
1. A fan comprising an annular upright fan guard, supporting rods extending rearwardly from said guard and having end portions extending radially inwardly of said guard, a horizontal support secured to the end portions of said rods, a fan in said guard, a fan shaft journaled on said support and having the fan fast thereon, a motor including an armature shaft, means to suspend said motor from said support for variable adjustment vertically into different set positions, and a belt and pulley drive from the armature shaft to the fan shaft, said means including a transversely square sleeve depending from said support and fixed thereto, a plate-like motor carrier having a hollow upstanding shank slidably fitted in said sleeve and provided with an internal cross web, and a bolt extended downwardly through said support into said sleeve and shank and through said web.

2,298,607
DECOMPOSING OZONE
William T. Anderson, Jr., Newark, N. J., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J., a corporation of New Jersey
No Drawing. Application May 9, 1940, Serial No. 334,168
1 Claim. (Cl. 23—4)

The method of decomposing ozone in a gaseous medium, which comprises passing a stream of gaseous medium containing ozone through a unitary catalyst mass comprising a catalyst consisting of a loosely compacted agglomeration of glass wool having a thin surface layer of metallic palladium, whereby said gaseous medium contacts a large surface of metallic palladium to catalytically decompose said ozone.

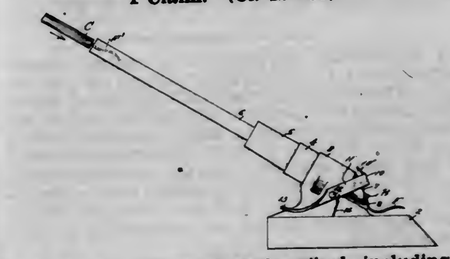
2,298,608
MEMORY TYPE RECORDER
Mortimer F. Bates, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 7, 1939, Serial No. 303,332
1 Claim. (Cl. 234—1.5)

Apparatus for obtaining a record of variations of a physical quantity preceding a selected event, comprising a recording medium in the form of a continuous loop capable of retaining a record, means for continuously rotating said loop, recording means for recording a signal corresponding to said variations on said loop, erasing means for erasing said record displaced from said recording means along said loop in the direction of travel thereof, electromagnetic reproducing means intermediate said recording and erasing means for reproducing as a varying electromotive force portions of said record corresponding to variations of said quantity occurring prior to variations being simultaneously initially recorded, a second recording medium, continuously operating driving means for said second recording medium,



a normally disengaged clutch connecting said driving means and said second medium, electromagnetic recording means for making a record on said second medium corresponding to said electromotive force, means for normally disconnecting said recording means from said reproducing means, and adjustable means for energizing said clutch and connecting said reproducing means to said second recording means operative simultaneously with the recording of a predetermined event upon said loop to produce a record of said electromotive force on said second medium corresponding to signals preceding said predetermined event.

2,298,609
FIRECRACKER CANNON
Everett D. Bonewitz, Monterey Park, Calif.
Application June 21, 1940, Serial No. 341,704
1 Claim. (Cl. 42—55)

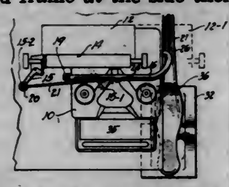


A cannon, of the class described, including a breech-loading barrel having its rear end cut oblique to its axis and forming at its rear, lower edge a lip extending axially rearward as a guide for load insertion.

2,298,610
TYPEWRITER CARRIAGE RETURN DEVICE
Culbert Bowen, Salt Lake City, Utah
Application May 29, 1941, Serial No. 395,841
10 Claims. (Cl. 197—65)

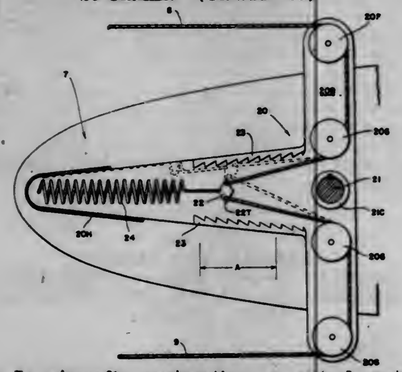
1. In a typewriting machine having a frame; a carriage; and a platen and line-space lever mounted on the carriage; the combination of a

flexible connector having one end thereof removably attached to the said line-space lever; a conduit for the flexible connector, the said conduit extending along and in front of the said frame and terminating in a curved portion depending over the said frame at the side thereof which is



opposite that from which the said line-space lever extends, the conduit further, having an entry in front of the said frame for the flexible connector and an exit leading from the curved portion, for the flexible connector; and means operative to propel the flexible connector in the direction of return of the carriage.

2,298,611
TENSION COMPENSATING DEVICE
Henry H. Bruderlin, Hermosa Beach, Calif., assignor to Douglas Aircraft Company, Inc., a corporation of Delaware
Application May 18, 1940, Serial No. 335,875
20 Claims. (Cl. 244—75)

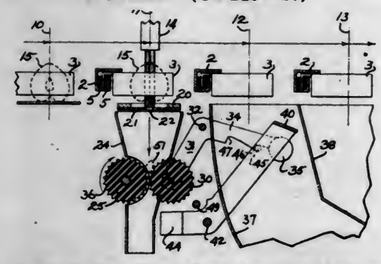


1. In aircraft construction a control system comprising a relatively fixed portion of the aircraft, a movable control surface associated therewith, means for operating the control surface including control cables, a cable tensioning device and means adapted to limit the tensioning effect of said device effective upon the application of a control force to the said operating means whereby the control surface is directly operated by the first said means during the application of said control force.

2,298,612
METHOD FOR PRODUCING ASPHALT EMULSIONS
Donald E. Carr, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application June 16, 1939, Serial No. 279,489
4 Claims. (Cl. 252—311.5)

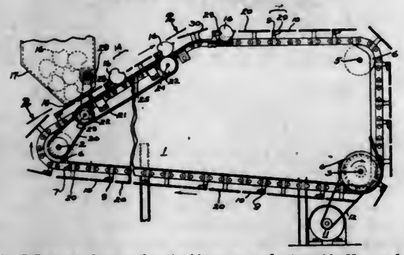
1. A method for producing a bituminous emulsion of low viscosity which comprises separating salt contained in asphalt to produce an asphalt containing less than approximately 0.0005% by weight of a water soluble inorganic salt of a divalent metal and less than approximately 0.005% by weight of a water soluble salt of a monovalent metal and subsequently mixing said asphalt at an elevated temperature with water and an emulsifying agent.

2,298,613
PIT DETECTOR
Ellsworth W. Carroll and Herbert E. Metcalf, San Francisco, Calif., assignors to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
Application December 11, 1939, Serial No. 308,656
8 Claims. (Cl. 146—17)



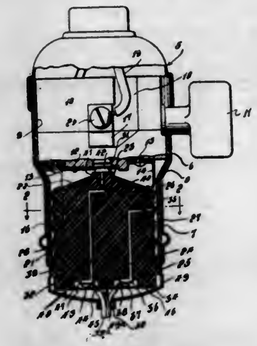
1. A fruit handling device comprising means for ejecting pits from said fruit, pit discard means continuously operative to pass an ejected pit therethrough when ejected, means only momentarily responsive to pasage or non-passage of the pit through said pit discard means for positioning a sorting mechanism, and means for holding the position of said sorting mechanism after discard of said pit until said fruit can be exposed to said mechanism.

2,298,614
FRUIT ORIENTATOR WITH LINEAR DRIVING MEMBER
Ellsworth W. Carroll, San Francisco, Calif., assignor to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
Application September 16, 1940, Serial No. 356,952
11 Claims. (Cl. 198—33)



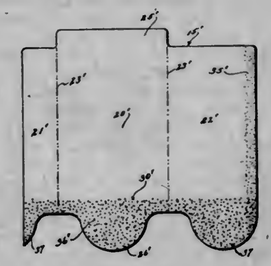
1. Means for orientating a substantially spherical fruit having a stem indent which includes fruit restraining means in which a fruit may rotate, means for progressing said restraining means along a predetermined path, fruit revolving means positioned to at least partially support said fruit against gravity when in said fruit restraining means as said fruit restraining means is progressed along said path, means for moving said fruit revolving means with respect to said fruit restraining means to revolve said fruit, and a pilot member shaped to enter and engage said stem indent, fixed in a predetermined position with respect to said fruit restraining means and movable therewith.

2,298,615
ELECTRICAL CONNECTOR
Lewis Cogsdill, Horseheads, N. Y.
Application June 18, 1941, Serial No. 398,659
4 Claims. (Cl. 173—343)



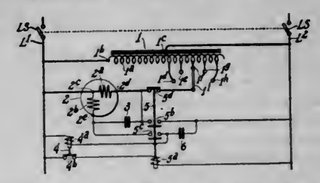
1. As a means for operably connecting an extension cord or the like to the screw-threaded shell zone of a light socket, a multi-member assembly adapted to establish circuit connections with the respective socket contacts when the assembly is positioned relative to the shell zone of the socket and to provide a break in such connections and removal of the cord by movement of assembly members relative to each other nonrotatively, said assembly comprising a female externally-threaded adapter member adapted to be threaded into the socket thread zone, and a rigid male member carrying the cord terminals and adapted to complementally fit the adapter member when assembled therewith, the major portion of said members when assembled being housed within the shell zone of the light socket; said female member being of insulating material of general shell form having its inner end of truncated conical form to provide an approximately closed inner end with a central opening, and having its outer end externally flanged to overlie the shell zone of the light socket, said member additionally carrying an internal local contact plate having a rivet connection with the member thread zone to thereby place said plate in circuit with the light socket shell zone contact when the adapter is in position, the shell body of the member being of substantially uniform thickness to thereby provide a bore of substantially uniform diameter; said male member having the external surface of its body portion substantially complemental to such bore and conical end and provided with a central projection adapted to extend through the truncated conical end with the projection carrying a contact adapted to co-operate with the central contact of the light socket, said male member also carrying a narrow peripheral substantially-annular contact ring positioned to lie in contact with said local contact plate when the members are assembled, the outer end of said male member being externally flanged to overlie the flange of the female member and also carrying the terminal securing means for the cord terminals, the body of the male member having independent connections from the respective terminals to the ring and the end terminal, whereby the male member movement to and from assembly position may be had by an axial slidable movement and with the assembled members held rigidly in position.

2,298,616
ENVELOPE OR CONTAINER
Austin S. Chandler, Fitchburg, Mass., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass., a corporation of Massachusetts
Application May 16, 1939, Serial No. 274,061
1 Claim. (Cl. 229—35)



An envelope of the character described, comprising a blank sheet of paper or the like of the quality indicated having a body portion adapted to form a front wall and side flaps folded inward to form a back wall, adhesive applied to the lapping portions of the side flaps in connecting relation, a bottom tongue formed on said body portions between geometrical longitudinal projections of the sides of said front wall, said side flaps having extensions on their lower edges shaped to constitute the same contour, and a liquid adhesive blade material applied to the opposed faces of the tongue and said extensions, said blade material being of a composition to infuse into the fiber of the tongue and extensions and to constitute therewith a hard rigid blade and tongue and extensions being pressed together to unite the blade material of each with that of the other, the lower end portions of the two said walls being folded together in the same direction on a line immediately inward of said blade to constitute with said tongue and extensions a bottom flap, and an adhesive material of less strength than the paper of the bottom flap engaged in mutual attachment with the opposed surfaces of the body of the envelope and said bottom flap.

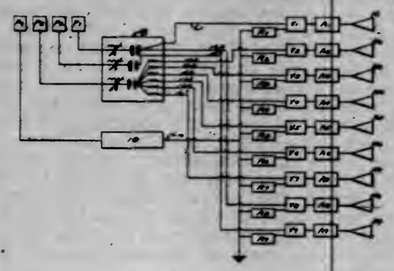
2,298,617
MOTOR CONTROLLER
Philip W. Emley, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 5, 1940, Serial No. 312,553
3 Claims. (Cl. 172—279)



1. A controller for a variable speed, split phase motor having an auxiliary winding and a main winding and a running condenser connected in circuit with said auxiliary winding, comprising line terminals, a transformer connected to the line terminals and provided with a plurality of selectable output terminals affording different output voltages, the common point of said motor

windings being connected to one of said line terminals, a starting condenser, an electromagnetic relay having an energizing winding connected across said line terminals in series with said starting condenser, an electromagnetic switch having an energizing winding, said relay having a set of normally closed contacts in series with said switch winding, said contacts when closed providing a circuit connection for the switch winding across said line terminals for energization thereof, said switch having a set of normally closed contacts and a plurality of sets of normally open contacts, means including said normally closed switch contacts when closed to provide a circuit connection for said motor windings to one of said selectable output terminals, and means including one set of said normally open contacts to connect said motor windings across said line terminals upon energization of said switch winding, and means including a second set of said normally open contacts to connect said relay winding in parallel with said auxiliary winding and said starting condenser in parallel with said running condenser upon energization of said switch winding.

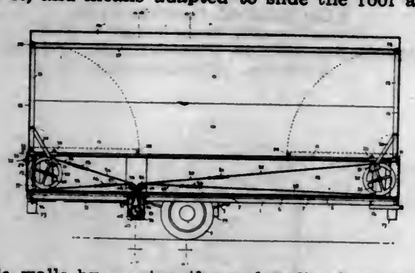
2,298,618
SOUND REPRODUCING SYSTEM
William E. Garity and John N. A. Hawkins, Los Angeles, Calif., assignors to Walt Disney Productions, Burbank, Calif., a corporation of California
Application July 31, 1940, Serial No. 348,616
7 Claims. (Cl. 179—100.3)



1. A method of creating novel sound effects in a theatre in timed relation to the presentation of photoplays, which comprises: positioning loud speaking means in the side walls, ceiling and in rear of the screen of the theatre to virtually aurally encircle the amusement reception center of such theatre; projecting a photoplay; passing a plurality of program sound records through a reproducing pick-up and simultaneously passing a control track bearing control intelligence through a control pick-up; selectively supplying sound record oscillations from one or more of said program sound records from said reproducing pick-up to predetermined loud speakers in accordance with intelligence carried by the control track; and varying the amplitude response of said speakers in accordance with a function of said control intelligence.

2,298,619
CAMPING EQUIPMENT
Ralph W. Gorton, St. Albans, Vt.
Application October 7, 1940, Serial No. 360,177
9 Claims. (Cl. 20—2)

1. A camping house comprising a base, vertically slidable side walls and roof, pivoted end walls, and means adapted to slide the roof and



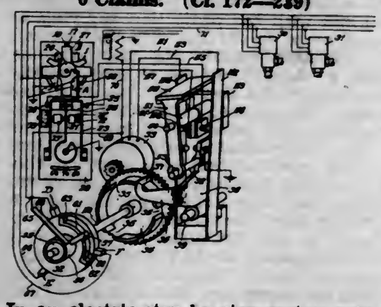
side walls by moving the end walls about their pivots.

2,298,620
LIPSTICK
Clara F. Harris, Kansas City, Mo.
Application August 23, 1940, Serial No. 353,897
1 Claim. (Cl. 206—56)



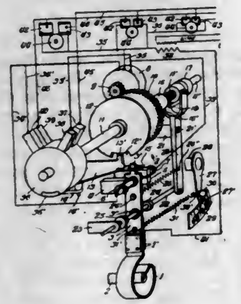
In a device of the character described a tubular body member having a helical groove formed within the inner wall thereof; a longitudinally slotted sleeve mounted in said body member with one of its end portions extended outwardly therefrom, having a laterally protruding bead adjacent its other end to engage said body member to prevent longitudinal movement in one direction relative to said body member and having an outwardly flanged tubular member rigidly secured to the outwardly projecting end of the sleeve to abut and engage the outer end of said body member to prevent relative longitudinal movement of the body member and said sleeve; a lipstick carrier slidably mounted for relative longitudinal movement in said sleeve, normally positioned to overlap the joint between the said body member and said sleeve and being spaced inwardly from the outwardly extending end of said sleeve; a laterally extending detent carried by the wall of said helical groove whereby when said sleeve is rotated as the body member is held stationary the lipstick carrier will move longitudinally of said body member.

2,298,621
ELECTRICAL STEP MOTOR UNIFORM STEP MOVEMENT
Ludwig Holland-Letz, Crown Point, Ind.
Application March 21, 1940, Serial No. 325,156
6 Claims. (Cl. 172—239)



5. In an electric step by step motor, said step motor comprising a stator having at least three pairs of poles disposed around an axis, a rotor journaled upon said axis, said rotor comprising a radially disposed member having a plurality of arms externally traversing the magnetic circuit of said pairs of poles, each of said pairs of stator poles provided with one coil radially arranged so that the opposite end of the said pole angular side spaces are free to interposingly receive the adjacent other coil peripheries, said rotor arm plurality number having a different multiple than said stator pole plurality number, a support member, means for securing said stator to said support member, switching means, means for operating said switching means, and electrical connections between said switch means and said stator coils for operating said step motor.

2,298,622
UNIFORM STEP PRODUCING THERMOSTAT FOR ENERGIZING STEP TEMPERATURE REGULATOR SYSTEMS
Ludwig Holland-Letz, Crown Point, Ind.
Application May 31, 1940, Serial No. 338,174
22 Claims. (Cl. 236—76)

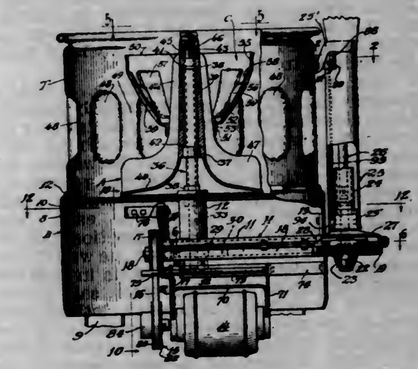


4. In a control system, including responsive means, regulating means, power means adapted to move said regulating means back and forth between predetermined limits constituting a predetermined number of a series of equally divided stepped positions, switch means, said switch means contacted by said responsive means, lock means, said responsive switch means to operate said power means to move said lock means for locking said responsive means contact for assuring the operation of said power means and said regulating means through one of said equally divided step positions of said predetermined limits.

2,298,623
STEEP WATER TREATMENT
Reynold P. Jurgensen and Arthur G. Rohwer, Clinton, Iowa, assignors to Clinton Company, Clinton, Iowa, a corporation of Iowa
No Drawing. Application April 8, 1940, Serial No. 328,532
10 Claims. (Cl. 99—2)

1. A method of treating steep water derived from corn steeps in mildly acid condition comprising heating the steep water under pressure to temperatures ranging between 225° F. and 300° F. for a time sufficient to modify by such heat treatment the material therein contained whereby its scale forming tendencies are reduced upon subsequent evaporation.

2,298,624
WASHING MACHINE
Arthur H. Labisky, West Bend, Wis., assignor to The Barton Corporation, West Bend, Wis., a corporation of Wisconsin
Application February 5, 1941, Serial No. 377,422
8 Claims. (Cl. 68—4)



1. In a clothes washing machine, a substantially cylindrical tub adapted to contain washing liquid to a substantially predetermined level therein, a substantially medially located agitating member in the tub and including liquid moving members extending upwardly from the bottom of the tub and so constructed and arranged as to cause the liquid in said tub to flow substantially helically first in one direction and then in the other direction in the tub with the center of the helix substantially coincident with the vertical axis of the tub to thereby cause clothing and the like immersed in liquid in the tub to collect in substantially ring-like formation wherein the clothing and the like are substantially uniformly distributed about said axis and near the surface of the liquid, and means on said agitating member substantially centered on said axis and positioned to be disposed in substantially horizontal alignment with the clothing and the like collected in said substantially ring-like formation and operable upon operation of said agitating member to exert a rubbing action on clothing and the like at the inner periphery of said ring-like formation.

3. In a clothes washing machine, a tub, an operable member in the tub including an upstanding column and a base portion that is arranged adjacent the bottom of the tub and which has spaced apart upstanding liquid impelling means thereon, other liquid impelling means on said column extended outwardly therefrom in gradually increasing amounts downwardly of said column and which merge into the upper edges of the liquid impelling means on said base portion, and a bowl-like member having an opening in the bottom thereof into which said column may pass when said bowl-like member is moved downwardly on the column, said bowl-like member having slots therein extending outwardly from the opening therein and into which said other liquid impelling means may pass when said bowl-like member is moved downwardly on said column, the gradual increase in the outward extent of said other liquid impelling means and the outward extent of said slots being such as to cause interengagement of the outer ends of the slots with the outer edges of said other liquid

impelling means when the bowl-like member is positioned on said column above and in spaced relation with said upstanding liquid impelling means to thereby retain said bowl-like member on said column to afford a compartment in said tub in which articles of clothing may be cleansed separately from articles of clothing being cleansed in the tub proper, a portion of said other liquid impelling means being disposed in an exposed relation within the compartment so afforded when said bowl-like member is retained on said column to thereby afford liquid impelling means in said compartment.

7. In a clothes washing machine, a tub, an agitator in the tub, and a substantially bowl-like member detachably mounted on the agitator and affording a compartment in the tub in which selected articles of clothing may be washed separately from articles of clothing being washed in the tub proper, said bowl-like member having inwardly directed protuberances each being relatively wide in a peripheral direction and disposed at spaced apart intervals on the wall thereof and defining relatively wide pockets in said wall exteriorly of the bowl-like member, said pockets facilitating cleansing of articles of clothing being washed in the tub proper upon operation of said agitator, said bowl-like member and said rubbing means being formed of plastic material and molded into a unitary structure.

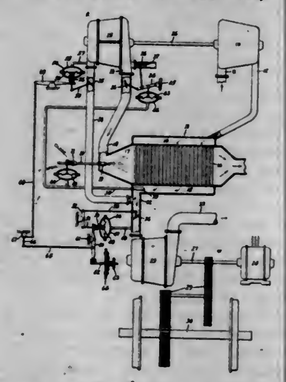
2,298,625

ELASTIC FLUID POWER PLANT

Anthony J. Larrecq, Indianapolis, Ind., assignor to General Electric Company, a corporation of New York

Application March 6, 1941, Serial No. 381,940

5 Claims. (Cl. 60—59)



1. Elastic fluid power plant comprising a compressor for compressing air, a surface type heat exchanger having a first channel connected to receive compressed air from the compressor and a second channel in heat-transferring relationship with the first channel for receiving heating medium, a compressor turbine for driving the compressor connected to receive heated compressed air from the first channel, a power turbine connected in parallel with the compressor turbine, means for producing heating medium including a combustion chamber forming part of the heat exchanger, means for conducting fuel to the chamber and a conduit for conducting air exhausted from the compressor turbine to the combustion chamber, and means for controlling the flow of air through said conduit including a valved bypass connected to the conduit.

2,298,626

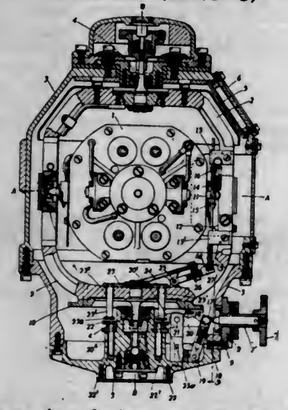
GYROSCOPIC INDICATOR

Robert Hayes Nisbet, Osterley, and William George Harding, Whitton, England, assignors to Sperry Gyroscope Company Incorporated, Brooklyn, N. Y., a company of New York

Application January 20, 1940, Serial No. 314,834

In Great Britain January 23, 1939

4 Claims. (Cl. 74—5)



1. In a caging device for a Cardan ring supported directional gyroscope having a rotor and rotor bearing case and wherein the Cardan ring is mounted to turn on a vertical axis, a yielding caging element for applying a torque to the rotor bearing case adapted to position the spin axis of the rotor of the gyroscope in prependicular relation to the Cardan ring, means adapted to frictionally retain the Cardan ring against movement about its vertical axis, a yielding connection between said element and a part of said means, means for conditioning said first mentioned means to effect operation of said caging element through the yielding connection, and means for applying a torque to precess the rotor bearing case from the position wherein a perpendicular relation exists between the rotor spin axis and the Cardan ring to compress the yielding connection by said caging element and create a reactive torque against such precession in the frictionally retained member to thereby provide the actual force by which the Cardan ring is moved to a given position about its vertical axis.

2,298,627

TANK SAMPLER

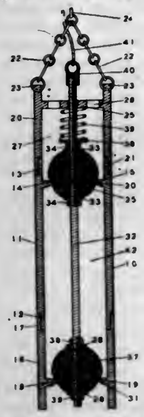
Chester F. Proudman and Henry H. Goossen, New Canaan, Conn.; said Goossen assignor to said Proudman

Application January 5, 1940, Serial No. 312,502

1 Claim. (Cl. 137—18)

A sampler for a tank containing a sediment bearing fluid, like sewage effluent, comprising in combination, a casing; a chamber within said casing; valve ports of substantially similar area at the top and bottom of said chamber; a valve for each port; an actuating and balancing rod engaging said valves, said pair of valves being fixed in spaced relation on said rod; said valves being composed of a material sufficiently yieldable to permit each valve to seat independently of the effect of sediment entrapped between either valve and its seat; spring means acting on said rod to hold said valves in closed position during the placing of said sampler at the desired level in said tank and means attached to said actuating

rod to move said valves and effect positive simultaneous opening and closing of said ports to



secure in said chamber a true sample of said fluid from said level in said tank.

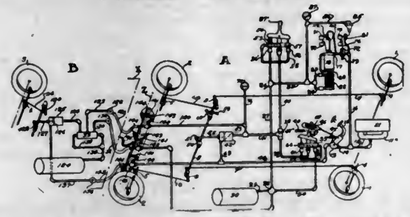
2,298,628

FLUID BRAKE SYSTEM

John A. Redd, Cleveland, Ohio

Application March 29, 1940, Serial No. 326,775

7 Claims. (Cl. 303—4)



1. In a brake system for vehicles, in combination, brake mechanism, a brake cylinder and piston for rendering said brake mechanism effective, a vacuum line leading to said cylinder to act at one side of the piston, a source of vacuum connected with said vacuum line, a pressure fluid line leading to said cylinder to act upon the opposite side of the piston, the piston being operable by vacuum from the vacuum line and pressure from the fluid pressure line for brake application purposes, and instrumentalities for controlling the application of vacuum and air pressure to the said piston in a sequential relation, said last mentioned instrumentalities comprising a common control for the vacuum and pressure lines, and separate control instrumentalities for operating each of said lines independently of the other.

2,298,629

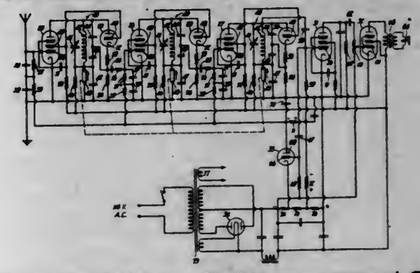
RADIO RECEIVING SYSTEM

William A. Schaper, Cicero, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Application June 10, 1940, Serial No. 339,697

18 Claims. (Cl. 179—171)

3. A selective high frequency resonant system comprising, in combination, a resonant circuit comprising an inductance and having a relatively low dynamic resistance, permeability-changing means for varying the inductance to tune said circuit over a range of frequencies, an electron discharge tube having its plate connected to the high potential terminal of said resonant circuit and having a control grid effec-



tively connected for radio frequency current flow to the ground potential terminal of said resonant circuit.

2,298,630

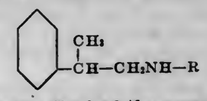
SECONDARY β PHENYL PROPYL AMINES AND PHARMACEUTICAL COMPOSITIONS THEREOF

Robert S. Shelton, Mariemont, Ohio, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware

No Drawing. Application December 24, 1940, Serial No. 371,574

10 Claims. (Cl. 260—570.8)

1. The chemical compounds beta-phenyl-beta-methyl-alpha-(substituted amino) ethanes having the formula



wherein R is a radical of the group consisting of methyl, vinyl and allyl.

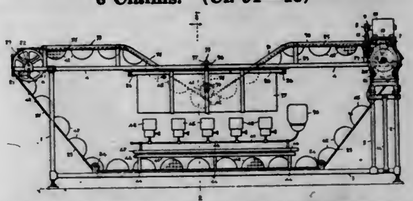
2,298,631

APPARATUS FOR WAXING VEGETABLES

Herman Siewing, Jr., Glasgow, Mont.

Application March 13, 1941, Serial No. 383,231

6 Claims. (Cl. 91—46)



1. In an apparatus for immersing objects, the combination of a frame; a tank mounted in said frame; an endless conveyor mounted in said frame; a plurality of containers mounted in said conveyor; a second frame removably mounted in said first frame and depending into said tank; and a pair of rollers adjustably mounted in said second frame within said tank, said conveyor passing about said rollers, so that the depth of immersion of the containers on the conveyor is determined by the adjustment of the rollers in said second frame.

2,298,632

VALVE

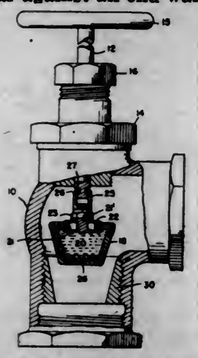
Robert H. Thorner, Detroit, Mich.

Application November 18, 1940, Serial No. 366,047

7 Claims. (Cl. 251—27)

1. In a valve construction, in combination with

a valve seat, a valve comprising a flexible hollow casing having flexible end walls and intermediate side portions adapted to engage said seat, a quantity of substantially incompressible flowable material trapped in the casing and means adapted to bear against an end wall of the casing



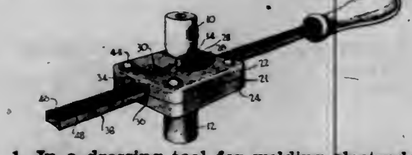
spaced from said side portions to force the valve against the seat and thereafter apply pressure to the entrapped material, whereby the pressure applied to said material is transmitted therethrough to said side portions and the latter are forced against said seat.

2,298,633

ELECTRODE DRESSING TOOL

Joseph Winlock and John J. MacKinney, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 25, 1940, Serial No. 342,234
5 Claims. (Cl. 29—76)



1. In a dressing tool for welding electrodes, a guide jig having an aperture extending therethru for the reception of opposed substantially axially aligned welding electrode tips, and a second aperture extending therethru transverse to said first aperture and intersecting said first aperture, and an abrading tool adapted to be reciprocated in said second aperture, said tool having arcuate concave longitudinally extending abrading faces adapted to suitably shape the end tips of welding electrodes inserted into said first-named aperture into engagement with the tool during reciprocation of said tool in its aperture, whereby a spherical face may be cut upon the electrode tip by reciprocating said tool at various angles in a plane transverse to the axis of the electrodes.

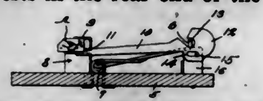
2,298,634

ANIMAL TRAP

Stanton Abbott, Holmesville, Nebr.

Application February 10, 1941, Serial No. 378,273
4 Claims. (Cl. 43—81)

1. In an animal trap, a base, a spring-jaw mounted on the base, a bait support embodying a pair of spaced fingers, a bracket mounted on the base, a pivot pin supported on the bracket, and a pivoted lever mounted on the pivot pin, an enlargement formed at one end of the lever, said enlargement having a horizontally disposed elongated opening in which the pivot pin operates, a forwardly extended hook having a curved surface, forming a part of the enlargement, said spring-jaw adapted to engage within the hook when the pivot pin rests in the rear end of the elongated



opening, the free end of the lever being disposed within the space between said fingers and adapted to rest against bait positioned under said fingers, holding the lever in its set position, and said lever adapted to slide rearwardly, when the bait is removed and the spring-jaw moves over the curved surface of said hook, releasing said spring-jaw.

2,298,635

LETTER FORM AND GUIDE FOR THE SAME

John N. Bliss, Peoria, Ill.

Application February 3, 1941, Serial No. 377,077
2 Claims. (Cl. 35—37)



1. Means for use in producing characters on a receiving surface for sign writing purposes by means of a marking tool, including a character-form against whose edge the marking tool is held in tracing such character, and a plurality of supporting legs extending through said character-form, said legs being adjustable therethrough for locating the form at various distances above said receiving surface.

2,298,636

LUBRICATING COMPOSITION

Carl F. Prutton, East Cleveland, Ohio, assignor to The Lubri-Zol Corporation, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application October 4, 1939, Serial No. 297,873
31 Claims. (Cl. 252—51)

1. An extreme pressure lubricating composition comprising a major proportion of a refined mineral lubricating oil, the load carrying ability of which is substantially increased by the inclusion therein of a minor amount of a stable, oil-soluble extreme pressure addition agent having a vapor pressure less than atmospheric at 140° C., the effectiveness of which is dependent upon its ability to chemically react with the metallic surfaces to be lubricated, said composition additionally having included therein a minor amount of an oil-soluble organic nitrogen and oxygen containing corrosion inhibitor and being characterized by the fact that the inclusion of such corrosion inhibitor therein has not substantially decreased the extreme pressure properties imparted thereto by said extreme pressure addition agent.

2,298,637

LUBRICATING COMPOSITION

Carl F. Prutton, East Cleveland, Ohio, assignor to The Lubri-Zol Corporation, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application October 4, 1939, Serial No. 297,874
33 Claims. (Cl. 252—47)

1. An extreme pressure lubricating composition comprising a major proportion of a refined mineral lubricating oil, the load carrying ability of which is substantially increased by the inclusion therein of a minor amount of a stable, oil-soluble extreme pressure addition agent having a vapor pressure less than atmospheric at 140° C., the effectiveness of which is dependent upon its ability to chemically react with the metallic surfaces to be lubricated, said composition additionally having included therein a minor amount of an oil-soluble organic nitrogen and sulphur containing corrosion inhibitor and being characterized by the fact that the inclusion of such corrosion inhibitor therein has not substantially decreased the extreme pressure properties imparted thereto by said extreme pressure addition agent.

2,298,638

LUBRICATING COMPOSITION

Carl F. Prutton, East Cleveland, Ohio, assignor to The Lubri-Zol Corporation, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application October 4, 1939, Serial No. 297,875
31 Claims. (Cl. 252—52)

1. An extreme pressure lubricating composition comprising a major proportion of a refined mineral lubricating oil, the load carrying ability of which is substantially increased by the inclusion therein of a minor amount of a stable, oil-soluble extreme pressure addition agent having a vapor pressure less than atmospheric at 140° C., the effectiveness of which is dependent upon its ability to chemically react with the metallic surfaces to be lubricated, said composition additionally having included therein a minor amount of an oil-soluble organic oxygen containing corrosion inhibitor and being characterized by the fact that the inclusion of such corrosion inhibitor therein has not substantially decreased the extreme pressure properties imparted thereto by said extreme pressure addition agent.

2,298,639

LUBRICATING COMPOSITION

Carl F. Prutton, East Cleveland, Ohio, assignor to The Lubri-Zol Corporation, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application October 4, 1939, Serial No. 297,876
31 Claims. (Cl. 252—45)

1. An extreme pressure lubricating composition comprising a major proportion of a refined mineral lubricating oil, the load carrying ability of which is substantially increased by the inclusion therein of a minor amount of a stable, oil-soluble extreme pressure addition agent having a vapor pressure less than atmospheric at 140° C., the effectiveness of which is dependent upon its ability to chemically react with the metallic surfaces to be lubricated, said composition additionally having included therein a minor amount of an oil-soluble organic sulphur containing corrosion inhibitor and being characterized by the fact that the inclusion of such corrosion inhibitor therein has not substantially decreased the extreme pressure properties imparted thereto by said extreme pressure addition agent.

2,298,640

LUBRICATING COMPOSITION

Carl F. Prutton, Cleveland Heights, Ohio, assignor to The Lubri-Zol Corporation, Wickliffe, Ohio, a corporation of Ohio

No Drawing. Application May 13, 1942, Serial No. 442,851
43 Claims. (Cl. 252—50)

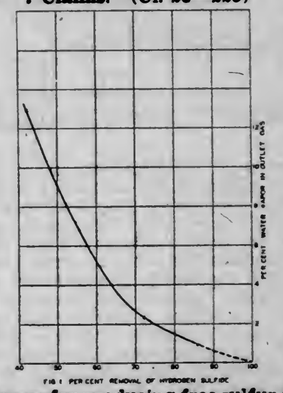
1. An extreme pressure lubricating composition comprising a major proportion of a refined mineral lubricating oil, the load carrying ability of which is substantially increased by the inclusion therein of a minor amount of a stable, oil-soluble extreme pressure addition agent having a vapor pressure less than atmospheric at 140° C., the effectiveness of which is dependent upon its ability to chemically react with the metallic surfaces to be lubricated, said composition additionally having included therein a minor amount of an oil-soluble organic corrosion inhibitor and being characterized by the fact that the inclusion of such corrosion inhibitor therein has not substantially decreased the extreme pressure properties imparted thereto by said extreme pressure addition agent.

2,298,641

TREATMENT OF HYDROCARBON GASES

Walter A. Schulze and James R. Owen, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application February 17, 1940, Serial No. 319,534
7 Claims. (Cl. 23—225)



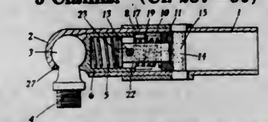
3. A process for producing free sulfur and water as substantially the sole oxidation products from hydrogen sulfide contained in normally gaseous hydrocarbons which comprises passing said normally gaseous hydrocarbons containing hydrogen sulfide in admixture with gas containing free oxygen over a dehydrated bauxite catalyst at temperatures between about 450 and 570° F., treating the gas stream to substantially completely remove water and elemental sulfur formed in the catalytic treatment and then passing the gas stream containing residual hydrogen sulfide and unreacted oxygen through a second bed of dehydrated bauxite catalyst at temperatures between about 450 and 570° F. to effect a substantially complete conversion of residual hydrogen sulfide.

2,298,642

BALL JOINT

René Tampier, Cricklewood, London, England

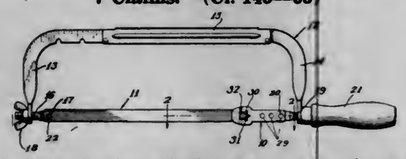
Application May 31, 1940, Serial No. 338,214
In Great Britain June 17, 1939
5 Claims. (Cl. 287—90)



1. A ball joint comprising a casing, a ball located in said casing, a tubular member, having

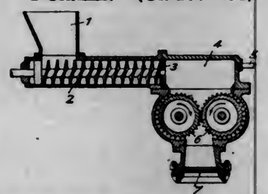
a closed socket end, axially slidable in the casing, a spring disposed inside said axially slidable member and pressing its socket end into contact with said ball, means for holding said axially slidable member against rotation, so that any wear on the end in contact with the ball adapts it to the exact shape of the ball, pressure means acting on said axially slidable member to retain the ball in the casing, said pressure means comprising a plurality of helical surfaces on the axially slidable member, a rotatable member normally tending to rotate in the casing, a plurality of helical surfaces on the rotatable member adapted to co-operate with the helical surfaces on the axially slidable member to convert the torsion on the rotatable member into an axial thrust on the axially slidable member, and means for releasing the ball from the casing when desired.

2,298,643
SAW BLADE ATTACHMENT
Carl Dodegge, Maywood, Ill.
Application May 3, 1941, Serial No. 391,766
7 Claims. (Cl. 145—35)



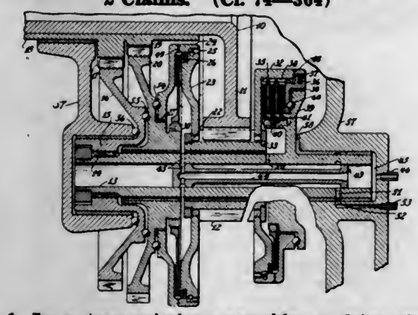
1. A device for attaching an end portion of a broken and consequently shortened saw blade to a saw blade supporting frame so that the said broken and consequently shortened saw blade may again be used in said saw blade supporting frame, notwithstanding its shortened length, said device being especially adapted for use with broken hacksaw blades and hacksaw frames: said device comprising a member having a portion detachably engageable with a shaped end portion of said broken and shortened saw blade so as to provide an axial extension of the said saw blade at an end thereof and between the said saw blade and the said saw blade supporting frame, and means for detachably attaching the said member to the said saw blade supporting frame, said member being provided with a substantially triangular-shaped opening for the reception of a dovetail-shaped end portion of a broken hacksaw blade.

2,298,644
METHOD OF AND DEVICE FOR THE PRODUCTION OF FOOD PASTE ARTICLES
Charles Hummel, Niederuzwil, Switzerland, assignor to Gebrüder Bühler, Uzwil, Switzerland
Application September 9, 1940, Serial No. 356,067
In Switzerland September 11, 1939
4 Claims. (Cl. 107—54)



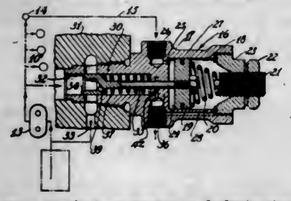
1. In a press device for producing food paste articles, a vacuum chamber, a perforated member arranged at the entrance end of said vacuum chamber for sizing the food paste used for forming the article to be produced into individual food paste strands, conveyer means connected with said perforated member for passing said food paste through said member and said paste strands formed by said member through said chamber, for freeing said strands from entrapped air, further conveyer means connected with the exit end of said chamber for withdrawing said deaerated strands from said chamber, and an extrusion die arranged in front of said conveyer means for the latter to extrude said deaerated strand material through said die in the finished form of said article.

2,298,645
TRANSMISSION
Herman D. Jackes, Jr., Bloomfield, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application December 23, 1940, Serial No. 371,349
2 Claims. (Cl. 74—364)



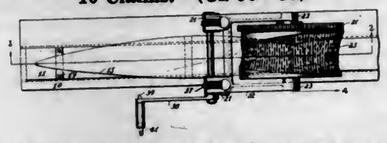
1. In a transmission assembly, a drive shaft having a relatively large gear, a sleeve embracing the drive shaft having side-by-side different sized pinions, both on one side of the drive gear, a layshaft having a pinion rotatable thereon and meshed with the drive gear, said layshaft having a gear meshed with one driven pinion, a sleeve rotatable on the layshaft having a gear engaged with the other driven pinion, a first friction clutch between the layshaft pinion and said layshaft and sleeve gears, of larger diameter than the layshaft pinion, engageable to couple the layshaft pinion to the sleeve gear, and a second friction clutch on the opposite side of the layshaft pinion and larger in diameter than the layshaft pinion, engageable to couple the layshaft pinion to the layshaft and its gear.

2,298,646
LUBRICATION SYSTEM
William G. Ovens, Midland Park, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application October 8, 1940, Serial No. 360,229
4 Claims. (Cl. 184—6)



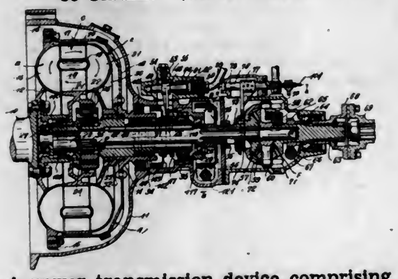
1. In an engine pressure lubrication system comprising an oil pump connected at its delivery side to a succession of engine components, a balanced bypass valve close to the pump delivery, and means responsive to excess oil pressure at or beyond said components to open said bypass valve.

2,298,647
BROACHING MACHINE
Peter F. Rossmann, Snyder, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application August 28, 1940, Serial No. 354,494
10 Claims. (Cl. 90—33)



1. A machine for profiling elongated irregular work pieces such as propeller blades, comprising a work table, means for translating said table, a rotary broach wheel having a portion of its circumference provided with cutting elements each transversely profiled to a different shape to represent a desired work profile at successive points along the work, and means to synchronize rotation of the broach and translation of the work table.

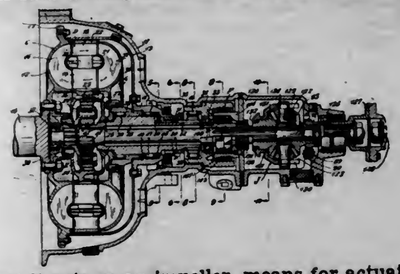
2,298,648
HYDRAULIC TRANSMISSION
Robert C. Russell, Cleveland, Ohio
Application February 20, 1940, Serial No. 319,926
39 Claims. (Cl. 74—189.5)



1. A power transmission device comprising an impeller wheel including a series of vanes, a turbine wheel including a series of vanes, a third vane wheel, means adapted to connect said impeller wheel with a driving means, means for operatively connecting said turbine wheel with a driven member, means for preventing reverse rotation of said third vane wheel, and means including mechanism controlled by the driven member for operatively connecting and disconnecting said third vane wheel with said impeller wheel.

2,298,649
HYDRAULIC TRANSMISSION
Robert C. Russell, Cleveland, Ohio
Application May 5, 1941, Serial No. 391,951
25 Claims. (Cl. 74—189.5)

1. A power transmitting device comprising a driving member, a driven member, a variable speed transmission device of the vane wheel type including an impeller wheel comprising a series of vanes, a turbine wheel comprising a series of vanes, a third vane wheel having a series of vanes adapted to act as reaction vanes, means for operatively connecting said impeller wheel with said driving member, means for operatively connecting said turbine wheel with said driven member, means for rotatably supporting said third vane wheel, means for preventing rotation of said third vane wheel in a direction opposite to the direction of rotation of said impeller wheel, means for operatively connecting said third vane wheel with said driving member temporarily in which



event it acts as an impeller, means for actuating said last-named means, and automatic means operable in timed relation to the actuation of the last-named means for causing a substantially instantaneous reversal of torque between said driving and said driven members.

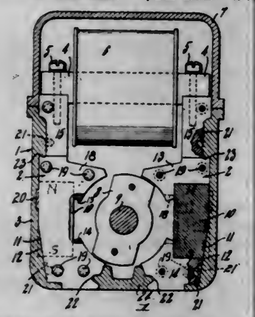
2,298,650
PARTICULATE DETERGENT COMPOSITION
Nicholas N. T. Samaras and Jay C. Harris, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 23, 1940, Serial No. 336,716
10 Claims. (Cl. 252—161)

1. A non-caking, free-flowing particulate solid detergent composition having an apparent specific gravity of about 0.05 to 0.25 and a moisture content of about 1.0 to 5.0% obtained by spray-drying an aqueous solution or homogeneous aqueous suspension, the solid constituents of which comprise a mixture of 35 to 65 parts by weight of sodium sulfate and 65 to 35 parts by weight of a water-soluble salt of a monoalkyl-substituted aromatic hydrocarbon sulfonic acid selected from the group consisting of water-soluble salts of monoalkyl-substituted benzene, toluene and xylene sulfonic acids, the substituted alkyl groups of which contain at least 11 and less than 16 carbon atoms, to each 100 parts by weight of the solid constituents.

2,298,651
PARTICULATE SOLID DETERGENT
Nicholas N. T. Samaras and Jay C. Harris, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 7, 1940, Serial No. 369,124
11 Claims. (Cl. 252—161)

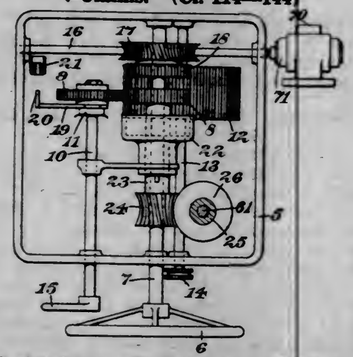
1. A non-caking, free-flowing particulate solid detergent composition having an apparent specific gravity of about 0.2 to 0.5 and a moisture content of about 1.0 to 5.0% obtained by drum-drying an aqueous solution or homogeneous aqueous suspension, the solid constituents of which comprise a mixture of 35 to 65 parts by weight of sodium sulfate and 65 to 35 parts by weight of a water-soluble salt of a monoalkyl-substituted aromatic hydrocarbon sulfonic acid selected from the group consisting of water-soluble salts of monoalkyl-substituted benzene, toluene and xylene sulfonic acids, the substituted alkyl groups of which contain at least 11 and less than 16 carbon atoms, to each 100 parts by weight of the solid constituents.

2,298,652
MAGNET STATOR STRUCTURE FOR MAGNETOS
Wolfgang E. Schwarzmann, Longmeadow, and Charles Stristie, Agawam, Mass., assignors to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application April 26, 1941, Serial No. 390,474
12 Claims. (Cl. 171—209)



1. A magnet stator structure which is constructed and arranged to be fastened as a unit in predetermined fixed position in the frame of that type of magneto having a rotary flux distributor and a stationary generating coil and which includes the following members: a permanent magnet of bar form having opposite polar ends; pole shoes which are arranged on respective ends of the magnet free from direct attachment thereto so as to form a portion of a tunnel for the flux distributor and of which one pole shoe has a projecting arm adapted for magnetic contact with the core of the generating coil; and a tie plate which is fastened exclusively to the pole shoes and which clamps the ends of the magnet between the pole shoes to form a structural unit of the members.

2,298,653
CONTROL GEAR FOR BOATS, AIRCRAFT, OR OTHER MOBILE UNITS
Hubert Scott-Paine and Victor George Bull, Hythe, Southampton, England; said Bull assignor to said Scott-Paine
Application July 26, 1940, Serial No. 347,720
In Great Britain July 27, 1939
7 Claims. (Cl. 114—144)

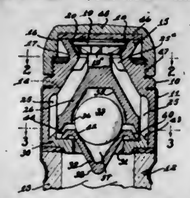


1. A steering control gear comprising a driven steering shaft, a gear wheel fixed thereon, an axially slidable member mounted for movement parallel to said steering shaft, an operating pinion rotatably mounted on said member and permanently meshing with said gear wheel and movable across the width thereof, a hand-controlled operating shaft, a hand-driven pinion rotated thereby and meshing with the operating pinion when both pinions occupy a common plane, a power unit, a power-driven pinion rotated thereby and meshing with the operating pinion when both pinions occupy a common plane, the hand-driven and power-driven pinions being spaced from one another so as to be separately engaged by the operating pinion, a control mechanism for said power unit, a clutch operable to connect said operating shaft to said control mechanism, means operatively connecting said axially slidable member with said clutch whereby movement of said member to engage the operating pinion with the hand-driven pinion disengages said clutch and with the power-driven pinion engages said clutch.

2,298,654
ELECTRIC POWER CABLE
Thomas Robertson Scott, John Krauss Webb, and Stanley George Foord, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
No Drawing. Application February 14, 1941, Serial No. 378,956. In Great Britain July 25, 1939
12 Claims. (Cl. 154—2.26)

4. A method of building up a body of insulating material around electric apparatus which comprises winding a tape comprising soluble solid insulating material, covering said tape with a substance to delay solvent action on said solid insulating material and basting the tape at intervals during the winding with a solvent for the soluble material.

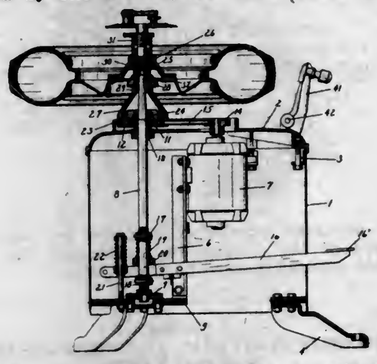
2,298,655
DISPENSING CLOSURE
David H. Segerlund, Detroit, Mich.
Application May 21, 1941, Serial No. 394,429
6 Claims. (Cl. 215—22)



1. In a dispensing closure of the character described, a generally cylindrical housing initially open at both ends, a valve seat at each end, one seat formed internally of the housing and the other seat externally thereof, a valve body within the housing normally resting upon the internal seat, a second valve normally resting upon the external seat, means limiting relative movement of said valves, a ball weight for opening the external valve and closing the internal valve alternatively and a vent for each valve affording communication between the interior and exterior of said housing.

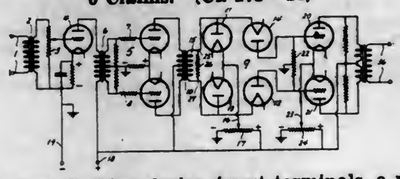
2,298,656
WHEEL BALANCE TESTER
Roy D. Smith, Davenport, Iowa, assignor to Bee Line Manufacturing Company, Scott County, Iowa, a corporation of Iowa
Application December 1, 1939, Serial No. 307,043
10 Claims. (Cl. 73—53)

1. A testing machine for determining off-balance of a wheel comprising a pair of self-aligning bearings, means to support said bearings, means carried by one of said bearings to support a wheel with said one of said bearings located generally centrally of the wheel, means to rotate the wheel about the axial line of said bearings as the axis of rotation of the wheel, the last mentioned means comprising in part a pulley surrounding the axial line of said bearings and supported by one thereof, said drive pulley being



pivotally mounted with reference to said axial line, and cooperating clamp means, one of which is carried by the wheel supporting means, and the other of which is supported by the other of said bearings, said clamp means being movable into cooperating clamping engagement.

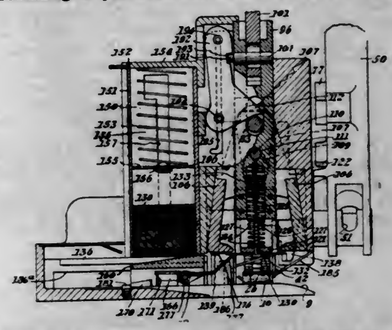
2,298,657
VOLTAGE AND CURRENT LIMITER
James Ernest Smith, Brooklyn, N. Y., James N. Whitaker, Weehawken, N. J., and Gilbert R. Clark, Brooklyn, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Original application April 27, 1939, Serial No. 270,332. Divided and this application May 4, 1940, Serial No. 333,272
6 Claims. (Cl. 178—44)



5. In a limiting device, input terminals, a pair of rectifiers connected in a series circuit across said terminals to conduct current in one direction, a second pair of rectifiers connected in a series circuit across said terminals to conduct current in the opposite direction, a pair of vacuum tube amplifiers, means including a resistance in the first-mentioned series circuit for impressing a negative potential on the input electrodes of one amplifier tube from the first-mentioned current, means including a resistance in the second-mentioned series circuit for impressing a negative potential on the input electrodes of the other amplifier tube from the second-mentioned current and means for combining the output voltages of said amplifiers.

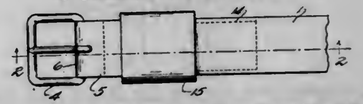
2,298,658
STRAP TENSIONING AND SEALING DEVICE
Herman J. Spencer, West View, Pa., assignor to Leechgrip Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 15, 1939, Serial No. 284,672
14 Claims. (Cl. 81—9.1)

1. Apparatus for fastening together the ends of a binding strap and a seal comprising a seal magazine, feeding mechanism including a main operating handle for feeding a seal from the magazine to a position over the strap ends, forming mechanism including a forming lever for forming a joint between the strap ends and



the seal, and locking means for locking the forming mechanism in inoperative position, said locking means including a lever cooperating with the main operating lever and being arranged to be moved to unlocking position by said main operating lever.

2,298,659
BODY BELT
Harry Chapline Staley, Jr., Baltimore, Md.
Application August 11, 1941, Serial No. 406,391
3 Claims. (Cl. 2—338)

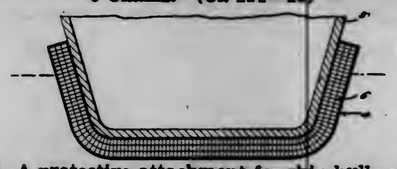


1. A body belt having a belt section and a buckle section, a connector for the sections, resilient means for joining the connector to one section, and a loop to receive the tongue end of the belt, said loop overlying and at all times concealing the connector and junction between the belt and buckle sections, the loop being connected to the buckle section.

2,298,660
PRODUCTION OF ALKYLATED PHENOLS
Donald B. Stevens, Swissvale, and William A. Gruse, Wilkinsburg, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 26, 1940, Serial No. 320,970
11 Claims. (Cl. 260—624)

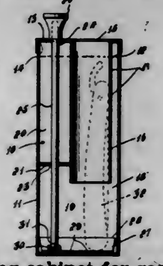
6. A process of producing an oil-soluble 2,4,6-tri-alkylated mono-hydroxy phenol olefin condensation product containing in substantial proportion a 2,4,6-tri-alkylated-mono-hydroxy phenol having a total of at least 4 carbon atoms in the alkyl groups ortho to the hydroxyl group and insoluble in water and in dilute aqueous alkali solution comprising subjecting a mono-hydroxy phenol having not more than one alkyl substituent ortho to the hydroxyl group to the action of an olefin containing at least three carbon atoms, in the presence of a relatively small amount of an acid condensing agent and recovering the product insoluble in dilute aqueous alkali solution having an alkalinity equivalent to that of a solution containing up to 15.0 per cent of caustic soda.

2,298,661
SHIP HULL CONSTRUCTION
Albin P. Swanson, Mount Jewett, Pa.
Application August 4, 1941, Serial No. 405,392
6 Claims. (Cl. 114—11)



1. A protective attachment for ship hulls comprising a shell and a plurality of shock absorbing units arranged in the shell, each of the said units consisting of a casing having a transversely square body and a pointed end and a solid core of fibrous material.

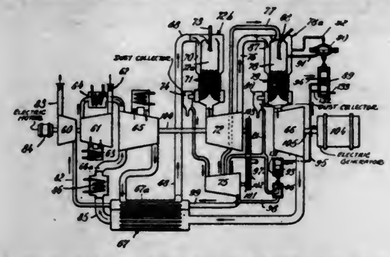
2,298,662
RAZOR STERILIZER
Vernet L. Tetzlaff, Wautoma, Wis.
Application May 1, 1941, Serial No. 391,401
3 Claims. (Cl. 21—87)



1. A sterilizing cabinet for razors comprising a container adapted to contain a liquid antiseptic, a cover for said container provided with a plurality of openings through which razors are adapted to be inserted into the container, sleeves attached to the underside of said cover and extending into said container, said sleeves being disposed around said openings for supporting the razors within the container and in substantially upright positions, partitions depending from the cover into the container and dividing it into a plurality of compartments in each of which one of said sleeves is disposed, rods extending into the container and slidably mounted in the cover, one of said rods extending into each compartment, and platforms connected to the lower ends of said rods and loosely disposed in the compartments for supporting the lower ends of the razors, said platforms normally resting on the container bottom and each being elevated by the upward movement of the rod, to which it is connected, for elevating the razor supported thereby.

2,298,663
GAS TURBINE PLANT
Walter Traupel, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application June 26, 1940, Serial No. 342,424
In Switzerland June 28, 1939
17 Claims. (Cl. 60—41)

1. Gas turbine plant which comprises at least one turbo-compressor, a combustion space in which a part of the compressed working medium is heated, means by which another part of the working medium is passed around the combustion space, a heat exchanger for transmitting heat from the heated gas of the combustion space to the part passed around the combustion space

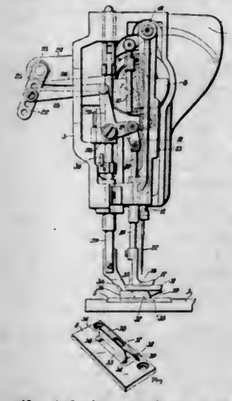


and separate expansion turbines for the gas heated in the combustion space and the part passed around the combustion space.

2,298,664
NONSLIP MATERIAL AND PROCESS OF MAKING SAME
Yates J. Van Patter, Los Angeles, Calif., assignor to Leon Finch, Ltd., Los Angeles, Calif., a corporation of California
No Drawing. Application April 22, 1942, Serial No. 440,107
12 Claims. (Cl. 117—27)

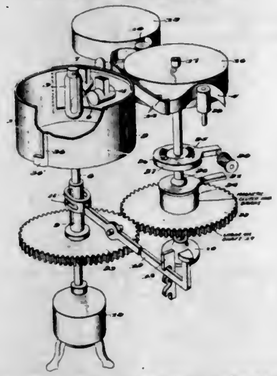
12. The process of preparing non-slip material, comprising waterproofing vegetable grit, by soaking same in thinned drying oil, rinsing the oily grit with a solvent, driving off excess oil by heating the grit, applying the waterproofed grit to cementitious material while such material is wet and thoroughly covering the grit with a relatively thinner cementitious coat.

2,298,665
PILE-FABRIC SEWING MACHINE
George W. Wesson, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application November 5, 1940, Serial No. 364,363
10 Claims. (Cl. 112—2)



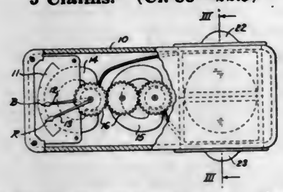
1. In a pile-fabric sewing machine having stitch-forming and work-feeding mechanisms, a pile-dividing member having a substantially flat work-engaging face tapered at its forward end to form a pointed pile-dividing prow disposed in advance of said stitch-forming mechanism, the point of said prow being disposed substantially in the plane of the work-engaging face of said member for initially engaging and dividing the fabric-pile at the bases thereof to receive stitches therebetween.

2,298,666
APPARATUS FOR PRINTING
Robert N. S. Whitelaw, Charleston, S. C.
Application April 19, 1940, Serial No. 330,621
8 Claims. (Cl. 95—4.5)



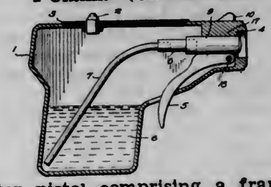
5. Apparatus for printing characters upon photographic material comprising a drum having an opening in the wall thereof, a stencil extending over said opening, said stencil having relatively opaque and transparent sections defining a series of characters, means for supporting a record sheet of the photographic material adjacent the drum, a light source and optical system including a shutter within said drum, manually controlled means for rotating said drum to position a selected character of the stencil in line with said optical system and the photographic material, means operative upon rotation of said drum for alinement of the selected character with the optical system to actuate said shutter to expose the photographic material to light transmitted through the stencil, and means to advance the record sheet with reference to the optical system after an exposure of the photographic material.

2,298,667
COLOR TEMPERATURE METER
Mason Weymouth, San Francisco, Calif., assignor of one-fourth to William H. Atkinson, San Francisco, Calif.
Application November 21, 1939, Serial No. 305,499
5 Claims. (Cl. 88—22.5)



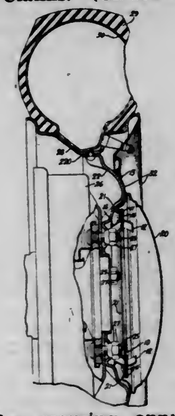
1. In a color temperature meter, the combination of a photo-electric cell adapted to respond to the intensity of light produced by a source of illumination at one point in its spectrum, a second photo-electric cell adapted to respond to the intensity of light at another and complementary point in the spectrum of said source of illumination, a single indicating dial, a meter element connected to and responsive to the output of said first photo-electric cell having a pointer movable over said dial, a second meter element connected to and responsive to the output of said second photo-electric cell having a pointer also movable over said single indicating dial, and filter units associated with said photo-electric cells adapted to limit the response of the respective photo-electric cells to the color values at the different complementary points in the spectrum of said light source, said filter units being so chosen that for a given color temperature they will transmit light from said complementary points in the spectrum of said light source in equal proportions, whereby the pointers of said meter elements will move to a common point upon said indicating dial when the color temperature of the light source corresponds to said given color temperature.

2,298,668
MULTIPLE SHOT WATER PISTOL
Victor O. Will, Pittsburgh, Pa.
Application May 1, 1939, Serial No. 271,000
1 Claim. (Cl. 221—31.5)



A water pistol comprising a frame, a fluid reservoir therein, an ejector, said ejector comprising a collapsible chamber having a slit in one end thereof closed by the normal position of said chamber and forming a valve therein, a second valve positioned within said ejector formed by a collapsible chamber having a slit therein arranged normal to the first mentioned slit, means connecting said second mentioned chamber with the fluid reservoir, and means for collapsing said first mentioned chamber parallel with the plane of the slit in the second mentioned chamber to eject fluid through the first mentioned slit.

2,298,669
WHEEL TRIM SECURING MEANS
Edward L. Wood, Detroit, Mich.
Application February 4, 1942, Serial No. 429,482
10 Claims. (Cl. 301—37)



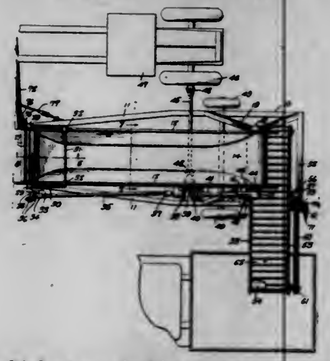
1. Means for securing annular ornamental

wheel trim discs to vehicle wheels employing a multiplicity of circumferentially spaced radially resilient detent type hub cap retainer springs to engage the hub cap of said wheel and removably hold it thereon comprising a radially resilient substantially annular equalizing spring axially anchored with respect to said wheel when disposed radially inward of said hub cap retainer springs and expanded radially outward thereagainst, and a plurality of circumferentially spaced wheel trim holding clips anchored on said equalizing spring formed to engage the inner periphery of the said annular ornamental wheel trim disc and secure the same to said vehicle wheel.

2,298,670
CHLORINATED ESTERS OF ACIDS DERIVED FROM PETROLEUM
Gellert Alleman, Wallingford, and John Harold Perrine, Prospect Park, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application August 12, 1938, Serial No. 224,506
2 Claims. (Cl. 260—468)

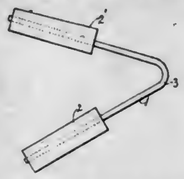
1. The method of producing a chlorinated ester which comprises reacting an acid selected from the group of acids consisting of those naturally occurring in petroleum and those formed in petroleum during the distillation thereof, said acids also having the generic formula $C_nH_{2n-x}O_2$, where x is an even number from 4 to 10, inclusive, with a monohydric, aliphatic alcohol, and subjecting the ester so formed to the action of chlorine gas.

2,298,671
HIGHWAY MAINTAINER CONVEYER
Elijah W. Bayes, Parsons, Kans.
Application December 28, 1940, Serial No. 372,137
3 Claims. (Cl. 37—108)



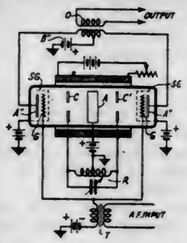
2. In highway maintainer apparatus, a wheeled road scraper, a blade mounted at the front of the scraper and projecting laterally thereof, a wheeled frame disposed parallel with the said scraper, a conveyer mounted longitudinally on the said wheeled frame disposed to carry material from a low position at the front thereof to an elevated position at the rear of the frame, a transversely mounted conveyer disposed to receive material from the rear end of the elevating conveyer for dumping the same from a position at one side of the elevating conveyer, a transverse shaft journaled on the conveyer frame and having a drive gear at one end thereof, a pair of transmission shafts having gears meshing with the said drive gear for operating the longitudinal and transverse conveyers, means connecting one end of the said transverse drive shaft with a carrier wheel of the scraper for driving the said shaft upon rotation of the carrier wheel, and means flexibly connecting the forward end of the conveyer frame with one end of the scraper blade.

2,298,672
HAT DEVICE
Robert Rea Brown, New Canaan, Conn.
Application October 25, 1939, Serial No. 301,120
3 Claims. (Cl. 2—185)



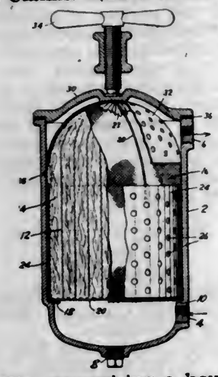
2. In a device of the character described, a frame that is substantially V-shaped and comprising side portions and a connecting portion for said side portions all lying in substantially the same plane and said side portions having enlargements on their free ends extending a substantial distance toward said connecting portion.

2,298,673
DOUBLE CATHODE ELECTRON DISCHARGE DEVICE AND CIRCUITS
Charles H. Brown, Brooklyn, N. Y., and Walter van B. Roberts, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Original application October 28, 1935, Serial No. 46,980, now Patent No. 2,121,067, dated June 21, 1938. Divided and this application August 25, 1936, Serial No. 97,722
12 Claims. (Cl. 179—171.5)



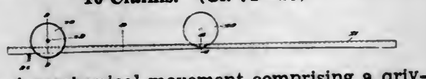
1. In combination, an electron discharge device oscillator comprising an evacuated envelope containing an anode and a pair of surfaces capable of emitting electrons on impact oppositely disposed with respect to said anode, each of said surfaces having an aperture therein, a plate collecting the electrons passing through the aperture of each surface, a grid between each plate and its nearest surface, a resonant circuit external to said envelope coupled between said surfaces, a source of energy connected to said anode and resonant circuit for maintaining said anode at a positive potential relative to said surfaces, means for producing an electrical field perpendicular to the plane of said anode, an output circuit coupled to said plates, and means for modulating the oscillations produced by said oscillator.

2,298,674
OIL FILTER
William G. Burhans, Kingston, N. Y.
Application September 9, 1939, Serial No. 294,127
11 Claims. (Cl. 210—131)



1. An oil filter comprising a housing member having inlet and outlet openings at opposite ends thereof, a cartridge within said housing member between said openings, and means applying endwise pressure to said cartridge, said cartridge comprising a cylindrical, relatively stiff confining member, means providing a fabric wall surmounting said cylindrical member, and filtering material within both said member and said fabric wall, said cylindrical member having substantial clearance with the walls of said housing member, and said fabric wall bulging outwardly under the action of the filtering material therein and said endwise pressure to engage the walls of said housing member to cut off communication between the inlet and outlet openings of the latter.

2,298,675
MECHANICAL MOVEMENT
William L. Callender, Washington, D. C., assignor of one-third to Florian F. Mack, Takoma Park, Md., and one-third to Hayden S. Garber, Washington, D. C.
Application September 17, 1941, Serial No. 411,210
10 Claims. (Cl. 74—25)



1. A mechanical movement comprising a driving element and a driven element, one of said elements comprising a wheel having the peripheral portion thereof presenting oppositely inclined, substantially conical faces, the other element comprising a bar engaging the conical faces and having the distance between its effective conical-face engaging portions varying at different portions throughout its length so that relative movement between said elements causes one of said elements to move bodily toward or away from the center of rotation of the other element.

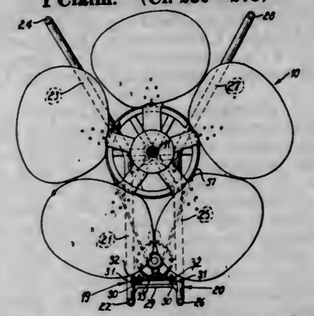
2,298,676
SPLICING THREAD AND YARN
William M. Camp, Glen Ridge, N. J., assignor to The Clark Thread Company, Newark, N. J., a corporation of New Jersey
Application February 26, 1940, Serial No. 320,756
2 Claims. (Cl. 28—1)

2. A method of splicing the ends of thread which comprises overlapping to a predetermined extent the two ends to be spliced, thus determining the length of overlap, placing in contact with the said overlapped ends a splicing thread having a length at least approximately equal to the length of overlap, said splicing thread being normally non-adhesive and containing a potentially adhesive component which develops adhesiveness only upon the application of an agency selected from the group consisting of melting and



dissolving agencies, the balance of the splicing thread being composed of non-adhesive fibers which are not soluble or fusible, applying to the splicing thread said adhesion-developing agency and thereby rendering the same adhesive, and intermingling the splicing thread with the said ends by the application of pressure whereby the fibers of the said ends of thread and the fibers of the splicing thread become united by the said adhesive.

2,298,677
EXHAUST FAN UNIT
William J. Campbell, Indianapolis, Ind., assignor to Climax Machinery Company, Indianapolis, Ind., a corporation of Indiana
Application August 3, 1940, Serial No. 350,875
1 Claim. (Cl. 230—273)

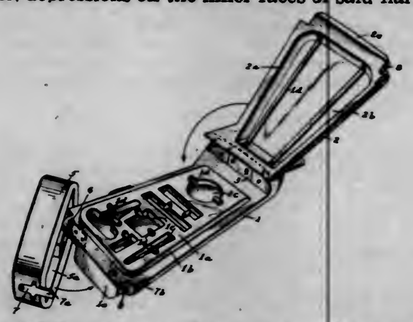


A fan unit comprising two generally upright frame members lying substantially in a common plane, a platform secured between said frame members, lying substantially in a plane perpendicular to said common plane and projecting oppositely beyond said common plane, means supported on said platform at at least two points located respectively on opposite sides of said common plane, a propeller-carrying shaft journalled in spaced supports provided by said means with its axis substantially perpendicular to said plane and projecting oppositely beyond said plane, a second platform secured between said frame members, a motor mounted on said second platform and having a spindle substantially parallel with said shaft, and means connecting said motor spindle to drive said shaft.

2,298,678
GUNSTOCK
Stanley H. Chase, Otisfield, Maine, assignor of one-third to Laura L. Chase, Otisfield, and one-third to Nicolaus Harithas, Mechanic Falls, Maine
Application March 14, 1941, Serial No. 383,388
5 Claims. (Cl. 42—71)

1. A two-part stock for guns and rifles, split centrally thereof, one half being adapted to be connected to the fire-arm in the usual manner, the other half having swinging connection with

the rigid half on its inner end, a cover enclosing the outer ends of the two halves of the stock, said cover being hingedly connected to the said rigid half, depressions on the inner faces of said halves

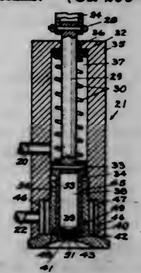


adapted to receive articles of a predetermined character, and means to positively lock the free end of said cover to and over the outer ends of said split halves.

2,298,679
METHOD OF MAKING RESISTORS AND RESISTANCE MATERIALS
Carl J. Christensen, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application April 25, 1941, Serial No. 390,336
12 Claims. (Cl. 201—76)

12. The method of making a resistor composed of the combined oxides of several metals, that comprises preparing an intimate wet mixture of finely divided insoluble salts of each metal, drying the mixture, mechanically working said mixture to a fluffy consistency, heating the mixture in the presence of atmospheric air to convert all of the insoluble salts to their oxides, mechanically working the mixture to a flaky texture, forming the flaky mixture into a body and sintering said body.

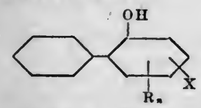
2,298,680
SPRAYING DEVICE NOZZLE
Clyde E. Clark, Seattle, Wash.
Application May 17, 1941, Serial No. 393,989
4 Claims. (Cl. 299—140)



3. In a spray device, a housing member having a cylindrical chamber therein; a chamber closure and seat member on one end of said chamber, said seat member having a discharge orifice therein connecting with said chamber; a traveling piston in said chamber having at one end portion thereof an end wall movable into and out of seating relation with said seat member, said piston having in the seat contacting face of its end wall an annular groove positioned out of registration with said discharge orifice, having a duct angularly disposed to its longitudinal axis connected with said annular groove, and having a longitudinal passageway connecting between said duct and the other end portion of said piston; conduit means connected with a source of air under pressure and connected to said chamber at a location operatively out of the path of travel of said piston; a port in the cylinder forming portion of said housing member, positioned in the line of travel of said piston to be opened and closed thereby, and positioned in spaced relation to said seat member; and conduit means connecting with a source of oil under pressure and connected to said last mentioned port.

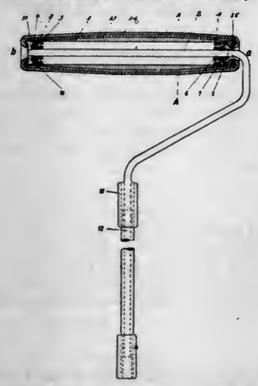
2,298,681
INSECTICIDE
Gerald H. Coleman, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 26, 1939, Serial No. 286,587
9 Claims. (Cl. 167—24)

1. An insecticide comprising a non-corrosive organic solvent having dissolved therein a compound having the formula



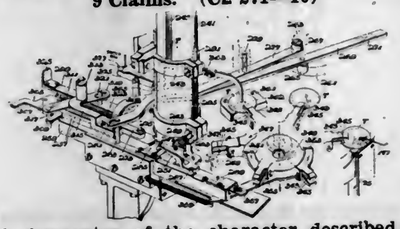
wherein R represents an alkyl radical containing not more than 6 carbon atoms, X represents a member of the group consisting of halogen and hydrogen, and n is an integer not greater than 2, and as an added toxicant a product selected from the class consisting of the extracts of pyrethrin- and rotenone-bearing plants.

2,298,682
ARRANGEMENT FOR PAINTING
Fride Edvin Dahlström, Grasa, Finland, assignor to Lennart Wilklund, Helsingfors, Finland
Application November 8, 1940, Serial No. 364,924
5 Claims. (Cl. 91—62.5)



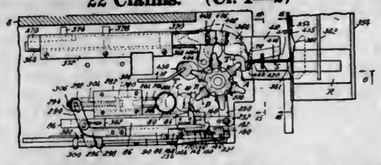
1. A trundle for applying paint and the like including an elongated tubular element, a flexible covering therefor, the diameter of the trundle as a whole being greatest at its axial central portion and tapering toward the ends, and a handle on which the tubular element is rotatably supported.

2,298,683
ATTACHMENT FOR STAPLING MACHINES
John Thomas Dalton, Durham, N. C., assignor, by mesne assignments, to The American Tobacco Company, New York, N. Y., a corporation of New Jersey
Application June 11, 1940, Serial No. 339,960
9 Claims. (Cl. 271—10)



1. Apparatus of the character described, tag delivering mechanism comprising a tube to receive tags in stacked relation, a pair of reciprocating members arranged adjacent the bottom of the tube, tag engaging members carried by one of said reciprocating members, and means actuated by one of the reciprocating members for partially projecting the bottom tag from the tube for engagement by the tag engaging members.

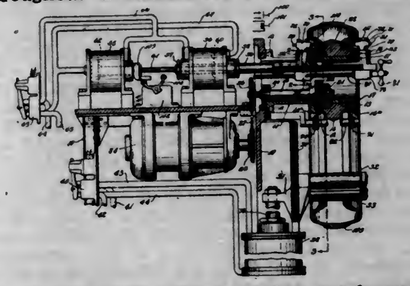
2,298,684
ATTACHMENT FOR STAPLING MACHINES
John Thomas Dalton, Durham, N. C., assignor to The American Tobacco Company, New York, N. Y., a corporation of New Jersey
Application January 14, 1941, Serial No. 374,326
22 Claims. (Cl. 1—2)



13. In combination with a wire stitcher, means for stitching a tag to one of the strings of a bag of the string closure type, said means comprising a platform over which the bags are propelled to a position adjacent the anvil, a tube to receive tags in stacked relation, means for feeding individual tags from the tube to the anvil, a hook to guide the bag string over the anvil, a pair of reciprocating members to oscillate and reciprocate the hook, and an arm arranged adjacent the side of the platform at the point where the string is guided over the anvil and adapted to engage the string as it is fed toward the anvil.

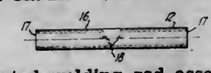
2,298,685
APPARATUS FOR DEBEADING TIRES
Edward A. Davis, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 5, 1941, Serial No. 401,093
4 Claims. (Cl. 164—39)

1. Apparatus for debeading a tire, said apparatus comprising a rotatable annular driving member having a medial outwardly-directed flange at its periphery adapted to enter between the beads of the tire, means for driving said member, and peripheral driving teeth at each side of said flange, said driving teeth being of saw-tooth form and each having a substantially radial driving face for propelling the tire and a sharp driving edge, a single tensioning carriage movable toward and away from the axis of the driving member for elongating the tire and drawing the bead portions of the tire radially against said driving teeth throughout a substantial arc of said driving



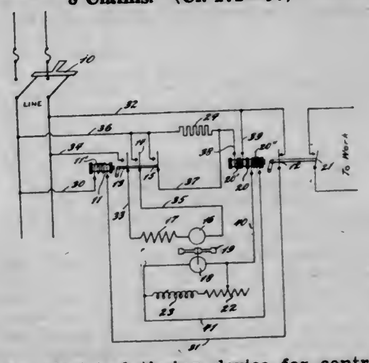
member, an incising blade, and means for pressing said blade through the material of the bead of the tire to the core of the bead to incise the material thereabout circumferentially of the tire without removal of material.

2,298,686
WELDING ROD
Curt C. Davis, Berkeley, Calif.
Application December 24, 1941, Serial No. 424,311
2 Claims. (Cl. 219—8)



1. In a jointed welding rod assembly, a pair of axially aligned metallic welding rod sections of substantially uniform cross section throughout their lengths, a metallic coupling sleeve embracing the adjacent end portions of said rod sections and being in metal-to-metal contact therewith, a flux coating on the outside of said sleeve, and flux coatings on substantially the whole of said rod sections with the exception of the end portions thereof embraced by and in metal-to-metal contact with said sleeve whereby the conductivity of the assembly is substantially unimpaired by the joint between adjacent rod sections and flux is available for promoting welding throughout the length of the assembly.

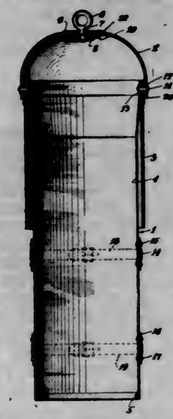
2,298,687
ELECTRICAL TIMING DEVICE
Peter J. Dugan, Crestwood, N. Y.
Application November 19, 1941, Serial No. 419,737
8 Claims. (Cl. 171—97)



8. An electrical timing device for controlling the intermittent operation of an electrical circuit

including a motor generator set having a flywheel acting in conjunction therewith, a circuit connecting the motor to a source of electrical energy, a differential relay having a pair of opposing coils, a circuit connecting one coil of the differential relay to a source of electrical energy, a circuit connecting the opposing coil of the differential relay to the generator, means controlled by the differential relay to control the motor circuit and the circuit to the first-mentioned coil of the differential relay comprising a control relay controlling the motor circuit and the circuit to the first-mentioned coil of the differential relay, a circuit connecting the control relay to a source of electrical energy, said circuit being controlled by the operation of the differential relay, means to regulate the current supplied to the differential relay by the generator, and means controlled by the differential relay to intermittently operate a working circuit.

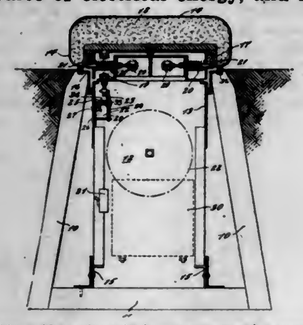
2,298,688
TRANSFER POUCH
Richard C. du Pont, Granogue, Del., assignor to All American Aviation, Inc., Wilmington, Del.
Application November 17, 1939, Serial No. 304,890
4 Claims. (Cl. 258—1)



1. A transfer pouch for aircraft pick-up and delivery systems comprising a relatively rigid, substantially hemispherical nose portion, a tubular carrier section attached to said nose section and a protective skirt attached to said nose section and loosely surrounding said carrier section throughout a substantial portion of the length of the latter, the diameters of said skirt and carrier section being less throughout than the maximum diameter of said nose section whereby to provide air spoilage and to stabilize the pouch when drawn through the air.

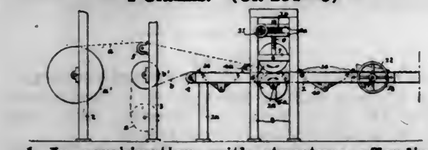
2,298,689
ELECTRICAL DETECTOR BASE
Anthony Ferris, New York, N. Y.
Application June 19, 1940, Serial No. 341,310
8 Claims. (Cl. 273—25)

1. An electrical detector base comprising a supporting frame, a base carried by the frame, a series of vertical coil springs and a series of horizontal coil springs spaced about said base and interposed between the base and the frame permitting downward and lateral movement of the base relative to the frame, an electrical signalling device, a circuit connecting the signalling device to a source of electrical energy, and means for



completing the circuit in response to movement of the base.

2,298,690
APPARATUS FOR FORMING BELTING
John E. Foerch and Raymond Foerch, Clifton, N. J.
Application April 15, 1941, Serial No. 388,641
4 Claims. (Cl. 154—3)



1. In combination, with structure affording a supporting surface over which to advance a pair of superposed plies one of which is more flexible than, and has its lateral margins projecting beyond the lateral edges of, the other, of conductors carried by said structure and having grooves tapering in the direction of advance of said plies and arranged to receive the margins of the flexible ply when folded over said edges of the other ply, and means to press said margins, as so folded, against the respective edges including rollers journaled on crossing axes and offset from each other lengthwise of and having their peripheries protruding into the grooves of the respective conductors.

2,298,691
FISH LURE
William R. Greggains, Rome, N. Y.
Application October 8, 1941, Serial No. 414,199
4 Claims. (Cl. 43—42)

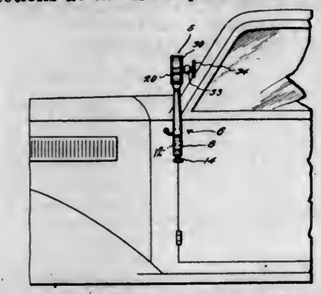


1. A fish lure comprising, a body simulating a minnow having longitudinal reverse curvature, a fish line securing eye disposed forwardly of the center of the body on one side of the body and a fish hook on the other side of the body extending forwardly beyond the body.

2,298,692
SIGNAL
Detroy Robert Giles, Kansas City, Kans.
Application January 13, 1940, Serial No. 313,792
2 Claims. (Cl. 248—205)

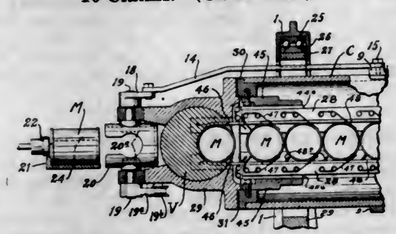
1. A support for electrical utilities comprising

a vertically disposed arm provided with a horizontally curved utility supporting upper end portion, a pair of vertically spaced and horizontally disposed supporting structure attachable projections at the lower portion of the arm, said



arm being hollow from its upper end to the uppermost supporting structure attachable projection to define an electric conductor passageway, the upper projection being hollow in continuation of said passageway, said projections being provided with threads and nuts thereon.

2,298,693
METHOD FOR STERILIZING MILK OR OTHER FOOD PRODUCTS
Harry L. Griffin, Rockville Centre, and Alexander R. Robb, Valley Stream, N. Y., and Rolla W. Titus and Hans T. Gebhardt, Marysville, Ohio, assignors to Nestle's Milk Products, Inc., New York, N. Y., a corporation of New York
Application October 5, 1938, Serial No. 233,374
10 Claims. (Cl. 99—185)



1. In the art of processing milk which is contained in a can of substantially cylindrical shape, in a zone of heating, that step which consists in producing a relative end-over-end movement between the milk and the can prior to and also during the entry of the can into said zone so that said end-over-end movement is produced at the time the can enters said zone.

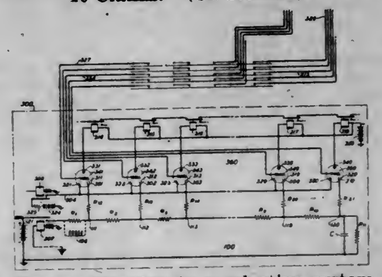
2,298,694
FISHING POLE HOLDER AND HARNESS THEREFOR
Albert S. Haislip, Fredericksburg, Va.
Application May 23, 1940, Serial No. 336,849
6 Claims. (Cl. 224—5)

3. Means for accommodating and flexibly anchoring a fishing pole in a manner to control and regulate end-thrust strains and angling maneuvers while actively handling said pole comprising a flexible leg strap whose degree of flexibility is regulated by straightening or bending the leg of the wearer, means at one end thereof for securing said strap to the foot of the user, strap means for shiftably securing the opposite end of the leg strap to the body of the user, and tiltable self-levelling socket means pivoted on the leg strap to removably accommodate the butt-end



of a fishing pole in the manner and for the purposes described.

2,298,695
SELECTING SYSTEM
Nathan I. Hall, Long Island City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 8, 1941, Serial No. 377,995
10 Claims. (Cl. 179—18)



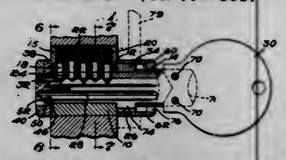
1. The combination in a selective system of a voltage propagating circuit, a plurality of resistors connected in series in said circuit, a source for causing current to flow through said resistors in series, a single condenser in said circuit chargeable by said current and serving to cause a voltage wave to progress along said series of resistors, and a series of responsive devices connected respectively to said resistors, said wave serving to apply an operating voltage to the successive devices as it moves along said resistors.

2,298,696
DETERGENT COMPOSITION
Jay C. Harris, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 2, 1940, Serial No. 368,225
8 Claims. (Cl. 252—161)

1. A detergent composition consisting of a mixture of the following substances in approximately the following proportions by weight per 100 parts by weight of the composition: (1) 35 to 65 parts of a substance selected from the group consisting of monoalkyl-substituted benzene, toluene and xylene sulfonic acids, the substituted alkyl groups of which contain at least 9 and less than 16 carbon atoms and alkali-metal salts thereof, together with (2) a magesium compound se-

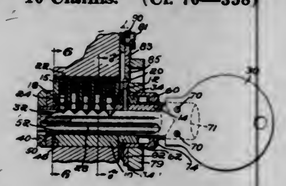
lected from the group consisting of magnesium sulfate and magnesium chloride in a proportion equal to approximately 3% to 25% of that amount required stoichiometrically to convert all the alkyl-substituted aromatic sulfonic acid compound in the composition to magnesium salt, and (3) anhydrous sodium sulfate in a proportion equal to 35 to 65 parts diminished by the amount of magnesium compound present.

2,298,697
LOCK
George Hofmann, Boston, Mass., assignor to American Locker Company, Inc., Boston, Mass., a corporation of Delaware
Application June 21, 1940, Serial No. 341,711
3 Claims. (Cl. 70—395)



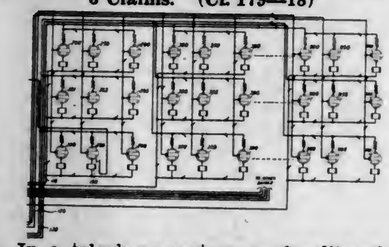
1. An article of manufacture, comprising a key for a lock having an outer member, an inner member rotatable therein and two sets of locking tumblers extending respectively in alignment longitudinally along and in spaced relation about the inner member, the key comprising an open cylindrical portion engageable over the outer end of the inner member and provided with forwardly facing lands for effecting the release of the tumblers in said spaced relation and a longer portion extending forwardly beyond and disposed axially of the cylindrical portion and provided with laterally facing lands therealong for effecting the release of the longitudinally arranged tumblers.

2,298,698
LOCK
George Hofmann, Boston, Mass., assignor to American Locker Company, Inc., Boston, Mass., a corporation of Delaware
Application June 7, 1941, Serial No. 397,092
10 Claims. (Cl. 70—358)



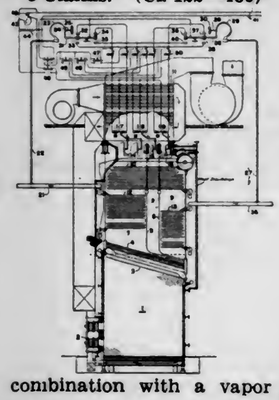
1. A lock comprising an outer member having a large bore therethrough and a plurality of small bores therethrough parallel with and disposed about the large bore, an inner member rotatable within the large bore and having a forward portion of larger diameter in end contact with the outer member and provided with small bores in alignment with the first named small bores, locking plungers and releasing pins carried respectively in the first and second named small bores, springs within the first named small bores rearwardly of the plungers and adapted to force the plungers toward the pins, means closing the rearward ends of the small bores rearwardly of the springs in the outer member, and means detachably connected to one of the members and holding the first-named means in said bore closing position.

2,298,699
TRANSLATION DEVICE
Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 29, 1941, Serial No. 395,719
6 Claims. (Cl. 179—18)



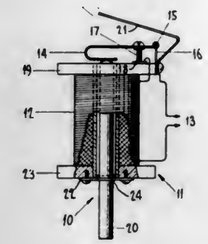
1. In a telephone system, a plurality of registers, means for setting said registers in accordance with the designations of telephone exchanges, a plurality of route relays, means for operating said route relays in accordance with the setting of said registers comprising a plurality of coordinately arranged gas-filled tubes each tube having at least three electrodes, means for applying a potential to one electrode of each tube lying along one coordinate of said arrangement in accordance with the setting of one of said registers, means for applying potential to a second electrode of the tubes lying along one of the other coordinates of said arrangement in accordance with the setting of the second of said registers, and means for preparing a circuit for a plurality of said route relays in series with a potential applied to a third electrode of a predetermined number of said tubes in accordance with the setting of a third of said registers, one of said route relays operating in response to the simultaneous application of said potentials, and means under the control of the operated route relay to cause the establishment of a telephonic connection.

2,298,700
SUPERHEATER AND REHEAT CONTROL
Raymond D. Junkins, Cleveland Heights, Ohio, Thomas C. Toomey, West New Brighton, N. Y., and Charles S. Smith, Westfield, N. J.; said Junkins assignor to Bailey Meter Company, a corporation of Delaware, and said Toomey and Smith assignors to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application July 18, 1940, Serial No. 346,120
5 Claims. (Cl. 122—480)



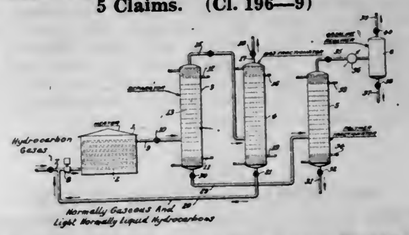
1. The combination with a vapor generator having a furnace, three parallel passes for the gases leaving the furnace, a superheater in one of the passes, a reheater in another of the passes, the third pass being an idle pass, means sensitive to temperature of vapor leaving the superheater adapted normally to vary the gas flow through the superheater pass in direction to maintain said temperature at optimum value, means sensitive to temperature of vapor leaving the reheater adapted normally to vary the gas flow through the reheater pass in direction to maintain said temperature at optimum value, means so responsive to both said temperature sensitive means that that portion of the total gases flowing from the furnace which do not flow through the superheater and reheater passes will flow through the idle pass, and means responsive to a predetermined minimum rate of flow of one of the fluids being heated and arranged to render ineffective the said joint temperature sensitive means when there is no flow through the superheater and reheater passes and direct the total gas flow through said idle pass.

2,298,701
ELECTRIC MOTOR
Emanuel Kalish, New York, N. Y.
Application August 23, 1941, Serial No. 408,061
2 Claims. (Cl. 172—126)



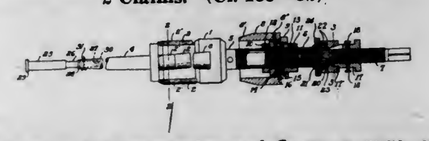
1. In a device of the character described, a hollow spool made of wood and having a solenoid coil wound thereon, a reciprocating plunger projecting into and being movable vertically under the influence of said coil, a fixed contact member secured to the upper surface of said spool, a spring pivotally mounted on said spool and carrying a contact member engageable with said fixed contact member, said spring being downwardly and inwardly curved at its free end and having the free end of said lower curved portion resting upon the upper end of said plunger, said plunger in its upward travel being adapted to move said curved spring upwardly, a spring fixed to said spool and being positioned in superposed and considerably spaced relation from said pivotally mounted spring and providing resilient means for impingement of said pivotally mounted spring, the free end of said impingement receiving spring and the curved free end of said pivotally mounted spring being jointly displaced and tensioned during the upward movement of said plunger, the displacement of the free ends of both springs causing a multiple recoil serving to restore said plunger to its normal lowermost position at an augmented rate, said plunger having a transverse extension at a point intermediate its ends, the lower surface of said spool having a plate secured thereto and serving as a stop for said transverse extension for limiting the downward movements of said plunger.

2,298,702
HYDROCARBON CONVERSION
Percival C. Keith, Jr., Peapack, N. J., assignor to The Polymerization Process Corporation, Jersey City, N. J., a corporation of Delaware
Application July 8, 1938, Serial No. 218,185
5 Claims. (Cl. 196—9)



1. The method of converting normally gaseous hydrocarbons to normally liquid products which comprises heating normally gaseous hydrocarbons having at least two carbon atoms per molecule and normally liquid aliphatic C_5 hydrocarbons from a source described below to a temperature of 1000°–1200° F. under superatmospheric pressure to effect non-catalytic thermal conversion thereof to normally liquid hydrocarbons including a gasoline fraction containing an excessive proportion of low-boiling normally liquid constituents, recovering from the products of conversion as recycle material normally gaseous hydrocarbons having at least two carbon atoms per molecule and a portion of the normally liquid aliphatic C_5 hydrocarbon constituents of said conversion products, separating from the remaining portion of the products of conversion a gasoline motor fuel product and a fixed gas fraction including the constituents of said reaction product undesired in the feed to said conversion treatment, withdrawing from the process said gasoline product and said fixed gas fraction, admixing said recovered recycle material with normally gaseous hydrocarbons having at least two carbon atoms per molecule, and subjecting the resulting mixture to said thermal non-catalytic conversion treatment to effect conversion thereof to gasoline motor fuel of high anti-knock value, the quantity of normally liquid hydrocarbon constituents of the conversion products thus recovered and returned to the thermal conversion zone being regulated whereby the recycled normally liquid hydrocarbons constitute 1 to 10 weight per cent of the total hydrocarbons charged to the reaction zone.

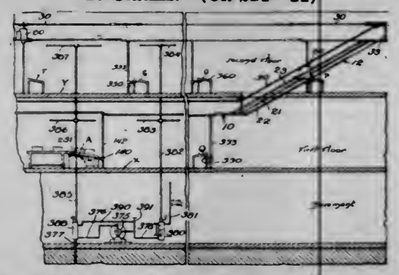
2,298,703
EXPANDING AND FLARING TOOL
Elmer A. Key, Rocky River, and Robert E. Baker, Springfield, Ohio, assignors to The Airetool Mfg. Company, Springfield, Ohio, a corporation of Ohio
Application October 14, 1940, Serial No. 361,129
2 Claims. (Cl. 153—82)



1. In a tube expander and flarer, a cage, expanding and flaring rolls carried thereby, said expanding rolls having their longitudinal axes at an angle to the longitudinal axis of said cage, a tapered rotatable mandrel extending through said cage, an adjustable stop for said cage carried thereby to arrest forward feed of said cage in

said tube, an adjustable stop on said mandrel cooperating with said cage to arrest forward feed of said mandrel in said cage, at least one setscrew to secure said stop to said mandrel while said mandrel stop is being moved toward said cage, additional means to positively prevent forward feed of said mandrel after said mandrel has been arrested by said cage, said last mentioned means comprising left-hand threads on said mandrel upon which said mandrel stop is threaded and means whereby said stop will rotate with said mandrel when the forward feed of said mandrel is arrested by said stop.

2,298,704
INDUSTRIAL CONVEYER SYSTEM
Samuel Lippincott Griswold Knox, Englewood, N. J., assignor to Lamson Corporation, Syracuse, N. Y., a corporation of New York
Application May 1, 1939, Serial No. 271,138
17 Claims. (Cl. 214—11)



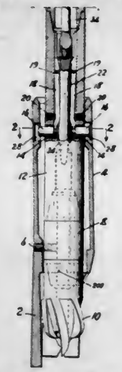
1. In apparatus of the character described, the combination of an endless overhead track, an endless series of load-carriers supported on the track, the carriers each including spaced load-supporting side members and having its bottom and ends open, means for propelling the carriers along the track, a loading station including an elevator adapted when raised to position a load thereon in the path of the moving carriers and between the side members thereof, carrier-controlled mechanism for actuating the elevator to raised position, the track having an inclined rise so related to a raised elevator that the load-supporting members of a carrier negotiating the rise may engage with and lift off a load positioned thereon.

2,298,705
PRICE MARKING TAG
Frederick Kohnle, Dayton, Ohio, assignor to The Monarch Marking System Company, Dayton, Ohio, a corporation of Ohio
Application July 30, 1940, Serial No. 348,416
2 Claims. (Cl. 40—25)



1. A price marking tag, comprising, a ticket formed of heavy paper, a length of wire secured in said ticket along one edge thereof, said wire providing a portion lying across the edge margin of the ticket on the face portion thereof and extending through the ticket, portions of the wire lying coaxially and extending toward each other along the back of the ticket, further portions lying at right angles to said last-named portions and portions rising perpendicularly relative to the face of the ticket from the ends of said further portions to provide attachment prongs bendable where they join said further portions and after the ticket has been applied to the merchandise and the prongs have been inserted therethrough, said attachment prongs being bendable against the merchandise against the back of the ticket either in parallelism with the first-named portion or in parallelism with the last-named portions.

2,298,706
METHOD AND APPARATUS FOR ORIENTING TOOLS
Gottdank L. Kothny, Strafford, Pa., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application November 18, 1940, Serial No. 366,113
14 Claims. (Cl. 255—1)



1. In combination, a drill stem, a tool adapted to be oriented in a bore hole, means movable transversely of the drill stem to project therefrom, said tool having means engageable by said movable means without substantial circumferential play so that the tool is rotatable by the drill stem, and means for maintaining temporary engagement of the aforementioned means.

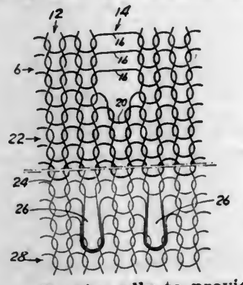
2,298,707
PROCESS FOR REMOVING DISSOLVED SILICA FROM WATER
Otto Liebknecht, Potsdam-Babelsberg, Germany, assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application June 11, 1940, Serial No. 339,891. In Germany August 16, 1939
13 Claims. (Cl. 210—23)

1. A process of removing silica from water which comprises bringing the water in contact with burned magnesite, removing the water from contact with said magnesite, then treating said magnesite with dilute acid reacting solution of at least one of the group of compounds consisting of hydrochloric, sulphuric, carbonic, nitric, acetic and lactic acids and those salts of iron, aluminum and chromium which hydrolize in solution to give an acid reaction, and then bringing an additional quantity of water in contact with said magnesite.

2,298,708
ROLL TOP STOCKING
Elmer C. Lochhead, Moberly, Mo.
Application October 25, 1940, Serial No. 362,765
8 Claims. (Cl. 66—172)

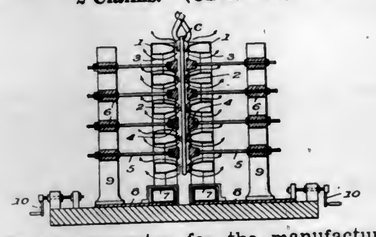
1. A knitted stocking comprising a top knit of

elastic yarn, provided with relatively weakened lines extending wale-wise therein, and having a



tendency to roll outwardly to provide a circumferentially extensible ring.

2,298,709
APPARATUS FOR TEMPERING GLASS
Bernard Long, Paris, France, assignor to The American Securit Company, Wilmington, Del., a company of Delaware
Original application December 17, 1935, Serial No. 54,918, now Patent No. 2,244,715, dated June 10, 1941. Divided and this application March 17, 1939, Serial No. 262,578. In France December 22, 1934
2 Claims. (Cl. 49—45)



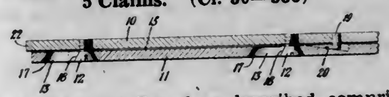
2. In an apparatus for the manufacture of tempered glass sheets, a frame having opposed faces adapted to receive a sheet of glass therebetween, a plurality of orifices on each of said faces outlining substantially congruent mesh networks, screens in the openings of the mesh networks for shielding the surrounded zones against the effects of the cooling medium which is discharged through said orifices and means for conducting a cooling medium to said orifices for discharge therethrough against the opposite surfaces of the sheet to form tempered zones thereupon surrounding zones tempered to a lesser degree than said first mentioned zones.

2,298,710
LOAD BINDER
William J. MacKay, Prineville, and Jesse T. Bolen, Hillsdale, Oreg.
Application July 5, 1941, Serial No. 401,276
1 Claim. (Cl. 24—19)



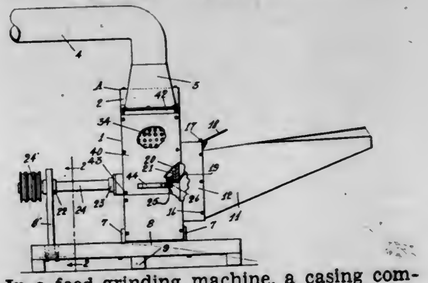
A load binder comprising a plurality of links, each substantially U-shape in form, a lever member U-shape in form and interposed between adjacent links, each of said members having the free extremities of its side arms pivotally connected to the outer extremities of the side arms of one link, an elongated arm extending from the central portion of the cross member of the second link and pivotally connected to the lever member between the inner portions of its side arms, a lever arm extending from the central part of the cross member of the lever member in angular relation thereto in a direction away from the end portion of the lever member pivotally engaged with one of the links, and a stop lug carried by the central portion of the arm of the link and having an inclined surface with which the arm of the lever member contacts to limit the outward movement of the lever member.

2,298,711
RAZOR BLADE HOLDER
Michael Malecki, Brooklyn, N. Y.
Application September 11, 1941, Serial No. 410,396
5 Claims. (Cl. 30—333)



1. A device of the class described comprising a pair of bars movable longitudinally relative to one another, means for securing said bars together to clamp a razor blade between them upon relative longitudinal movement of the bars in one direction and to free the blade upon relative longitudinal movement in the other direction, an end of one of the bars projecting beyond the end of the other bar in all clamping positions of said bars.

2,298,712
FEED GRINDING MACHINE
Henry J. Mankoff, Wichita, Kans.
Application October 2, 1940, Serial No. 359,377
2 Claims. (Cl. 83—11)



1. In a feed grinding machine, a casing comprised of a circular portion having an arcuate offset extending upward and a plurality of V-shaped ribs carried on the inner side of the offset portion, said ribs spaced apart and transversely crossing the offset and a head secured to each end of the circular portion, one head being solid, the other head having a circular opening concentrically positioned in the head, a U-shaped chute secured to the last mentioned head in such a way as to partially encircle the opening whereby substance is fed into the casing, a rectangular plate and means to secure the same to the last mentioned head in such a way as to engage over a quadrant of the circular opening and being at the upper right hand side of the opening, a cutting bar removably secured to the lower portion of the plate and being inward thereof, said bar being reversible with respect to its edges, and the said circular portion of the casing having an opening upwardly positioned and a conductor pipe and hopper to connect the pipe in communica-

tion with the opening, an arcuate screen to cover the opening, said screen comprised of a plurality of rollers transversely crossing the arc, said rollers being in close but spaced relation to each other, the screen being carried by the heads of the casing, a shaft extending through the casing axial of its circular form, a bar secured to the shaft and equally extending each way therefrom, the bar having a cutting blade secured to each extending portion of the bar, the blades to engage with the cutting bar carried by said plate, and a fan grinding element secured to the shaft and set inward from the bar to engage in the circular casing and in working relation to the said screen and V-shaped bars, and power means to turn the shaft.

2,298,713

METHOD OF TREATING RUBBER

James A. Merrill, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 27, 1938, Serial No. 210,432

8 Claims. (Cl. 260—821)

1. In a method of preparing a non-coherent rubber powder, the improvement which comprises adding to caustic-preserved natural latex, in the absence of added hydrophilic colloids and in the absence of added inorganic materials which react with the flocculating agent, a quantity of an aluminum salt sufficient to render the latex acid, and reducing the flocculated rubber to a dry, free-flowing non-coherent rubber powder.

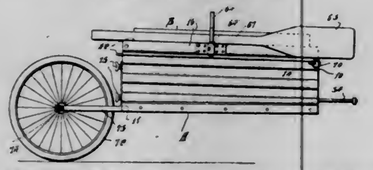
2,298,714

TWO-SECTION OR KNOCK-DOWN BOAT

Willie M. Moats, Cairo, W. Va.

Application September 7, 1939, Serial No. 293,813

3 Claims. (Cl. 9—2)



3. A boat of the class described comprising detachable end sections, one of said sections comprising the stern portion of the boat having a plurality of socket members opening exteriorly of the stern end of the boat, said socket members being located completely inwardly of the outer surface of said end and provided with interior threads, a wheel, a bracket for said wheel, means threaded into said sockets to detachably secure the bracket against said stern end, parallel, longitudinally extending bolt members at the end opposite to the aforesaid stern end, the other of said boat sections being securable to said bolts in forming the boat, and said bolt members being elongated and positioned to function as handles when detached from said other section.

2,298,715

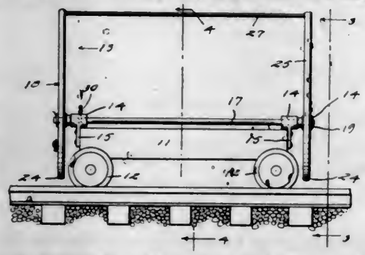
ATTACHMENT FOR RAILWAY CARS

Donald F. Moore, Villa Park, Ill.

Application October 9, 1941, Serial No. 414,389

9 Claims. (Cl. 104—261)

1. In combination with a carrier, wheel segments rotatably mounted on the ends of the carrier and disposed with the planes of said wheel segments substantially crosswise to the longitudinal axis of the carrier, said wheel segments having restricted portions, forming parts of the peripheries thereof, and which are disposed in closer proximity to the centers of the wheel segments than other portions of the peripheries thereof, and which are normally disposed in depending positions and out of engagement with the surface on which the carrier is disposed, said wheel segments being rotatable for moving said



other, last mentioned portions of the peripheries into engagement with the surface on which the carrier is disposed, to cause the wheel segments to function as cams, for raising the carrier out of engagement with the surface and for conveying the carrier, while in an elevated position, in a direction laterally of its longitudinal axis, said wheel segments being mounted on the carrier above its center of gravity and substantially centrally of its sides.

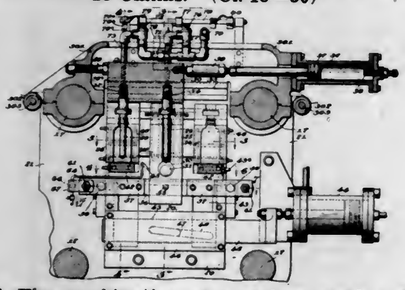
2,298,716

MACHINE FOR MOLDING THERMOPLASTICS

Stephen T. Moreland, Victor E. Hofmann, and Parker C. Tracy, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application October 6, 1939, Serial No. 298,194

18 Claims. (Cl. 18—30)



7. The combination of a parison mold, a finishing mold, each of said molds comprising separable sections movable to and from each other for opening and closing the mold, a plug having an air channel extending therethrough, a carriage on which the plug is mounted, means for reciprocating the carriage and thereby moving the plug into register with the said molds alternatively, means for closing the parison mold around the plug, means for injecting a charge of plastic material into the parison mold and forming a parison surrounding the plug, means for then opening the parison mold and moving the carriage to transfer the plug with the parison thereon to the finishing mold, means for closing the finishing mold around the parison, an air pressure line extending to said channel in the plug, a valve in said line, means for opening the valve for blowing the parison in the finishing

mold and then closing the valve, means for opening the finishing mold after said closing of the valve, leaving the blown article supported on the plug, and timing mechanism operable to effect a second opening of the valve after the finishing mold has opened, thereby supplying air under pressure through the plug and disengaging the article from the plug.

15. A machine for molding articles from plastic material, comprising a sectional mold formed with a mold cavity therein, an injector, means providing a passageway from the injector to the mold cavity, means for injecting material through said passageway into the mold, shearing means positioned at the confluence of said passageway and mold cavity and operable to shear the sprue formed in said passageway from the molded article in the mold, means for separating said mold sections after the sprue is severed, and a sprue ejecting device carried by one of said sections and operable to withdraw the severed sprue from said passageway when the mold sections are separated.

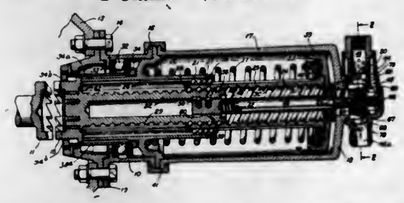
2,298,717

ENGINE STARTING MECHANISM

Romeo M. Nardone, East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Original application September 10, 1938, Serial No. 229,376, now Patent No. 2,197,155, dated April 16, 1940. Divided and this application November 9, 1939, Serial No. 303,690

1 Claim. (Cl. 121—37)



In an engine starter, the combination with an engine engaging member and a piston adapted for axial advance, of motion translating means coupling said piston to said engine engaging member, said motion translating means including two cylindrical drive transmitting parts one of which is internally threaded and the other of which is externally threaded, and a cylindrical roller retaining cage interposed between said drive transmitting parts, said cage having a wall of uniform thickness from one end thereof to the other, and said wall having ball receiving perforations at spaced intervals along a helical path corresponding in pitch to the pitch of the threads of said drive transmitting parts.

2,298,718

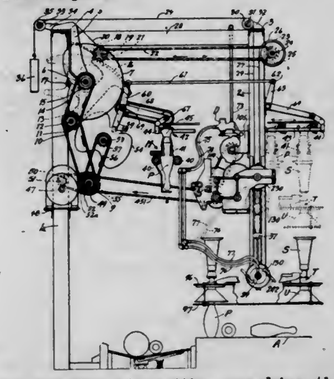
BOWLING PIN SETTING MACHINE CONTROL MECHANISM

Peter M. Nejedly, Brooklyn, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey

Application June 7, 1940, Serial No. 339,344

49 Claims. (Cl. 273—43)

5. In a bowling pin setting machine, a turnably mounted support, a plurality of pin holders for holding pins in substantial playing arrangement mounted on said support, means for placing pins in said holders, means for indexing said support while said support is adjacent said pin placing means to transfer said pins from receiving position to deliver pins above an alley bed, means for lowering said support to deliver said pins in playing positions on said support, means for raising said support, and means operative when said support has been raised for turning said support in the same angular direction to again locate said pin holders in position to receive pins.



7. In a bowling pin setting machine the combination with an alley bed, of a pin conveyor movable to and from said bed for setting and resetting pins thereon, bowling pin handling units carried by said conveyor, mechanism for cyclically turning said support to deliver pins carried thereby to said bed, and control means associated with said units for preventing turning of said support whenever less than a full set of standing pins is felled by the first thrown ball.

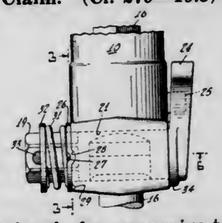
2,298,719

IMPLEMENT RETAINER

Matthew O'Farrell, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application December 12, 1940, Serial No. 369,811

1 Claim. (Cl. 279—19.5)



In the front head of a percussive tool, a longitudinal bore adapted to receive a reciprocable working implement, a cylindrical transverse bore in said head intersecting said longitudinal bore, a cylindrical working implement retaining element rotatably mounted in said transverse bore and formed with projecting portions lying outside the respective ends of said bore, a stop portion formed within the periphery of said retaining element and rotatable into and out of cooperative relation with the working implement, a handle on said retaining element outside the front head and manipulative to set said element to rotative positions of adjustment, an arcuate flange forming an abutment shoulder on one end of said retaining element engageable with said front head to limit axial movement of said element in one direction, a spring surrounding the other end of said element, a base assembly for

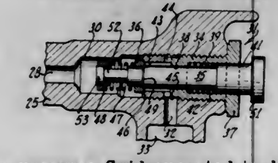
said spring comprising a washer surrounding said other end of said element adjacent its outer extremity and a limit pin extending transversely through said element and interlocked with said washer, said spring being interposed between said base assembly and said front head and pressing said element in a direction to engage said abutment shoulder with the front head, and detent means for said element controlled by said spring.

2,298,720

FEED LEG CONTROL FOR STOPING DRILLS

Matthew O'Farrell, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application September 20, 1941, Serial No. 411,618
5 Claims. (Cl. 251—137)



1. In a pressure fluid operated tool or like device having a recess supplied constantly with pressure fluid and a pressure fluid passageway leading from said recess, a manually operated valve structure positioned in said recess to control the flow of pressure fluid through said passageway, said structure being inserted in said recess and removed therefrom as a unit and comprising a cylindrical bushing the outer periphery of which is threaded for engagement with a complementary surface in said recess, a longitudinal bore in said bushing, counterbores in the opposite or inner and outer ends of said bushing, a series of radial ports in said bushing communicating the inner of said counterbores with the said pressure fluid passageway, a plunger slidably mounted in the longitudinal bore in said bushing and having inner and outer ends projecting beyond the respective ends of said bushing, a head on the outer end of said plunger extending into the outer one of the counterbores in said bushing, a coil spring confined in said outer counterbore by the head of said plunger and acting to press said plunger outward, a ring-shaped valve reciprocably mounted on the inner end of said plunger, a slotted washer embracing the inner end of said plunger, a coil spring interposed between said valve and said washer, abutment portions on said plunger limiting movement of said valve and said washer by said spring, and complementary tapered seating surfaces on one of said abutment portions and the inner periphery of said valve forming a valvular connection preventing the escape of pressure fluid around the inner periphery of said valve, the outer periphery of said valve being adapted for engagement with the inner end of said bushing to close and open the inner counterbore in said bushing and thereby cut off and establish communication between said recess and said pressure fluid passageway, and the assembly comprising said plunger and said valve being reciprocable as a unit within said bushing to seat and unseat said valve with respect to said bushing.

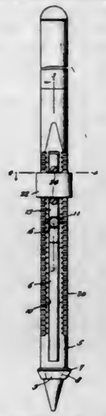
2,298,721

CRAYON HOLDER

Frank V. Orling, Klamath Falls, Oreg.

Application October 6, 1941, Serial No. 413,848
6 Claims. (Cl. 120—13)

1. A crayon holder comprising a tube adapted to hold a crayon for slidably feeding the crayon from one end of the tube, a follower in the tube, a clamping device connecting the inner end of the



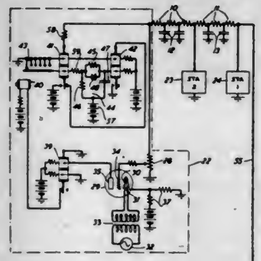
crayon to the follower, said clamping device being adjustable into and out of clamping engagement from a position outwardly of the tube, and a screw feed for the follower.

2,298,722

IMPULSE TRANSMISSION SYSTEM

Wilton T. Rea, Bayside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 30, 1939, Serial No. 282,022
9 Claims. (Cl. 178—58)



1. In a telegraph system, a telegraph line, receiving apparatus normally connected between said line and ground, means for applying transmitting potentials to said line in accordance with the impulses to be transmitted over said line, and means for applying a curbing potential to said line for a period of time at least as long as the duration of a unit interval of the signaling code.

2,298,723

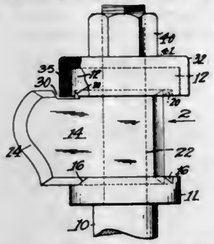
SAFETY COLLAR

Theron A. Rice, Winchendon, Mass., assignor to Goodspeed Machine Company, Winchendon, Mass., a corporation of Massachusetts

Application December 9, 1940, Serial No. 369,331
1 Claim. (Cl. 144—231)

In a cutter head comprising a cutter spindle, a lower clamping collar having parallel cutter-holding grooves extending entirely across its upper face, an upper removable clamping collar

having parallel cutter-holding grooves extending entirely across its lower face and cutter blades mounted edgewise between said collars and having their top and bottom edges seated in said parallel grooves. that improvement which comprises the provision of a transverse notch in an edge portion of each blade near the cutting end thereof, and the provision of an additional



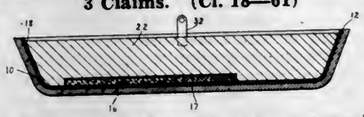
and separate safety collar abutting the ungrooved face of one of said clamping collars and having a flange encircling said collar and projecting beyond the grooved face of said collar into the transverse notches in said blades but spaced from the bottom walls of said notches, and the provision of a single means to secure all of said parts in blade-holding relation on said spindle.

2,298,724

METHOD OF MAKING ORNAMENTAL ARTICLES

Erwin Reach, Hoboken, N. J., assignor to Jacob Firstenberg, doing business as Universal Importing Co., New York, N. Y.

Application June 15, 1940, Serial No. 340,644
3 Claims. (Cl. 18—61)



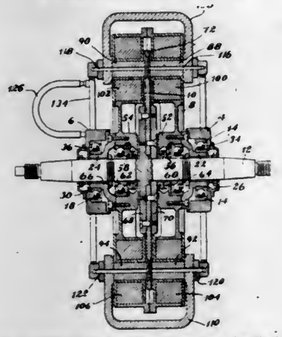
1. The method of making an ornamental article in a mold, which comprises wetting a paper ornamental member, applying a coating of gum tragacanth to the outer or ornamental surface of said paper member, positioning said paper member while wet in said mold, and disposing a layer of plaster of Paris casting material in said mold over said paper member.

2,298,725

METHOD OF DESIGNING DYNAMOMETERS

Augustus R. Rogowski, Needham, Mass.

Application June 6, 1941, Serial No. 396,828
5 Claims. (Cl. 265—24)



1. The method of selecting material for a rotor for use in an electromagnetic dynamometer which will result in the development of maximum torque at a predetermined number of revolutions per minute, comprising the steps of measuring the torque of a given dynamometer while said dynamometer is utilizing a rotor of known dimensions and known electrical resistivity and is rotating in magnetic fields of known strength, noting the revolutions per minute of said known rotor at which the torque of said dynamometer reaches a maximum, and then selecting for the desired rotor a material whose electrical resistivity is in substantially the same proportion to the electrical resistivity of the rotor tested as the revolutions per minute of the desired rotor at which maximum torque is required is to the revolutions per minute of the rotor tested at which maximum torque was produced.

2,298,726

AGE RESISTER FOR RUBBER

Winfield Scott, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 5, 1940, Serial No. 355,459
6 Claims. (Cl. 260—799)

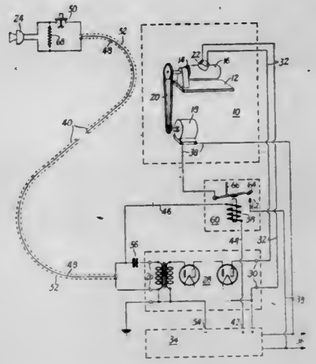
1. A method of treating rubber which comprises vulcanizing the same in the presence of the product obtained by reacting an aryl amide with a ketone at a temperature of about 150–300° C. and with the elimination of water.

2,298,727

CONTROL SYSTEM FOR PHONOGRAPHS

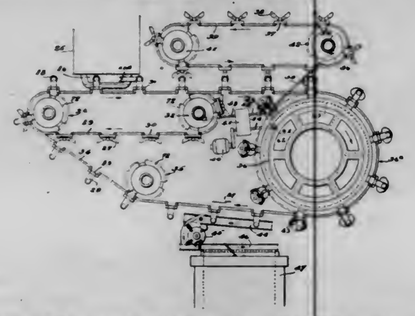
Harold T. Sherman, Los Angeles, Calif., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York

Application December 20, 1940, Serial No. 370,920
6 Claims. (Cl. 179—100.4)



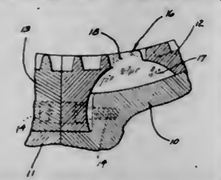
1. In combination, an electric phonograph, a microphone located at a distance from said phonograph, two-conductor connection means extending from said microphone to said phonograph and forming the only electrical connection therebetween, control means at said phonograph for rendering operative certain elements thereof, means at said microphone for operatively connecting said microphone to said connection means, and means at said phonograph responsive to the operation of said last-named means for operating said control means.

2,298,728
BOTTLE BLOWING APPARATUS
Leonard D. Soubier and August E. Scheuerman, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application January 10, 1939, Serial No. 250,186
17 Claims. (Cl. 49—5)



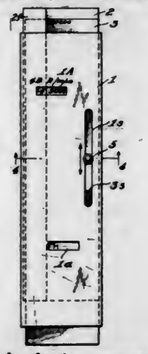
17. The combination of an endless chain of neck mold supporting frames and neck molds thereon, an endless chain of blank mold supporting frames and body blank molds thereon, an endless chain of intermediate molds, a finishing mold carriage, finishing molds thereon, means for rotating said carriage and for driving said chains of molds and supporting frames in paths comprising parallel straight line portions, a support connected to rotate with the finishing mold carriage and over which the chain of neck molds is trained, said parts being so arranged that the blank molds and intermediate molds register in turn with the neck molds during succeeding portions of the travel of the neck molds in their said straight line path and the finishing molds thereafter register with the neck molds, means for moving the blank molds relative to their supporting frames to a charge gathering position while said supporting frames are moving in a straight line, means for introducing charges of glass into the combined neck molds and blank molds, and means for blowing the charges in the intermediate and finishing molds.

2,298,729
MOLD
Charles H. Zimmerman, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application August 24, 1938, Serial No. 226,461
11 Claims. (Cl. 18—38)



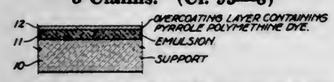
10. In combination in a mold for rubber tires, a base mold having a toroidal cavity and comprising a plurality of mating parts, a plurality of mold inserts lining the toroidal cavity of the base mold, said inserts having narrow slots extending therethrough from their inner to their outer surfaces, a plurality of thin plates, one plate being received in each slot and having a portion extending into the toroidal cavity of the mold, and having a portion adapted to be clamped between the base mold and the insert, and means for releasably securing the inserts in the base mold and clamping portions of the plates between the base mold and the inserts.

2,298,730
INDICATING SLIDE DEVICE
George Alvari, Brooklyn, N. Y.
Application March 1, 1939, Serial No. 259,299
1 Claim. (Cl. 235—89)

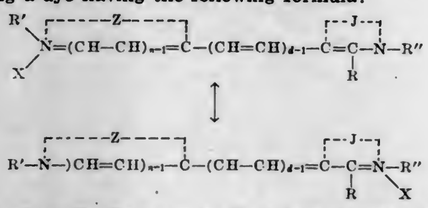


An indicating slide device comprising an elongated sheath formed of united top and bottom faces, said top face having transversely extending openings spaced longitudinally thereof, said top face also having a longitudinally extending slot intermediate its ends and adjacent an edge of said top face, an upper and a lower indicia-bearing member slidably mounted in said sheath, means secured to said lower indicia-bearing member and extending through said slot for moving said lower member longitudinally in said sheath, said means comprising a threaded post fastened to said lower member, a knob threadedly engaging said post, said knob being operable to frictionally clamp said upper and lower members together for moving same in unison, said knob further having a circumferential groove receiving the edges of the sheath which define the longitudinal slot in the upper face thereof.

2,298,731
PYRROLE FILTER AND BACKING DYE
Leslie G. S. Brooker and Robert H. Sprague, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 7, 1940, Serial No. 317,726
In Great Britain February 17, 1939
5 Claims. (Cl. 95—8)



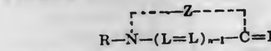
1. A photographic element comprising a sensitive layer and a light absorbing layer containing a dye having the following formula:



in which Z=the non-metallic atoms necessary to complete a heterocyclic nucleus; J=the non-metallic atoms necessary to complete a pyrrole nucleus; R=hydrogen, alkyl, or a chemical bond of a pyridine ring; R'=alkyl; R''=hydrogen, alkyl, aryl, or a chemical bond of the same pyridine ring as R; d=a positive integer of from 2 to 3; n=a positive integer of from 1 to 2; and X=an acid radical.

2,298,732
POLYMETHINE BASE
Leslie G. S. Brooker and Frank L. White, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 16, 1940, Serial No. 370,352
15 Claims. (Cl. 260—240)

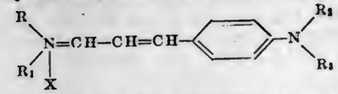
1. A polymethine base of the following general formula:



wherein L represents a methine group, n represents a positive integer of from 1 to 2, R represents a radical selected from the group consisting of alkyl and aryl radicals, R' represents an aryl radical, and Z represents the non-metallic atoms necessary to complete a heterocyclic organic nucleus.

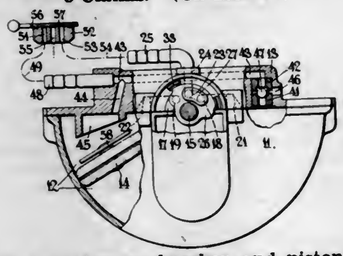
2,298,733
FILTER DYE AND PHOTOGRAPHIC MATERIAL CONTAINING THE SAME
Leslie G. S. Brooker and Robert H. Sprague, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 29, 1941, Serial No. 385,938
14 Claims. (Cl. 95—8)

1. A photographic material provided with a silver halide emulsion layer and a filter comprising a dye of the following general formula:



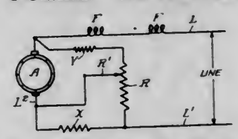
wherein R and R_1 each represent a monovalent organic radical, R_2 and R_3 each represent alkyl radicals and X represents an acid radical.

2,298,734
MOTOR
Louis Buchmann, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application July 13, 1940, Serial No. 345,354
8 Claims. (Cl. 121—97)



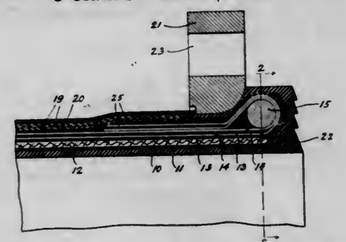
1. In a motor, a chamber and piston means movable therein by differential pressures acting thereon, valve means operable by fluid pressures for applying one of said pressures alternately to opposite sides of the chamber, other valve means for applying the other of said pressures alternately to opposite sides of the chamber, and snap action means for operating said other valve means, and means for applying said other of said pressures to one side of the chamber independently of said other valve means.

2,298,735
ELECTRIC MOTOR
Gordon E. Gray, Western Springs, Ill., assignor to David T. Siegel, Wheaton, Ill.
Application May 4, 1940, Serial No. 333,308
8 Claims. (Cl. 172—239)



1. The combination with a motor of the series commutative type having a field winding, an armature and brushes, a source of current, said source of current having a circuit connection leading to the field winding of said motor and another circuit connection connected to the armature of said motor, said last named connection including parallel paths, one of said paths having a variable resistance therein, and the other of said parallel paths having a fixed resistance therein, and said variable resistance also being connected to that brush of the armature of said motor which is not connected to the source of current through the said parallel paths.

2,298,736
FLANGED HOSE
Donald E. Harpfer, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application August 3, 1940, Serial No. 350,432
3 Claims. (Cl. 285—71)

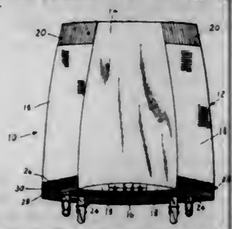


1. A flanged end hose including a rubber and fabric body, a circumferentially split metal ring positioned adjacent the end of the body with the end of the body being cuffed back over the ring, the ends of the ring normally being spaced apart by the resiliency of the body, and clamping means surrounding the body and engaging with the cuffed back end thereof adjacent the ring and adapted to compress the body and move the ends of the ring towards each other during a clamping operation.

2,298,737
FOUNDATION GARMENT
Emil D. Kattermann, Dover, and Edwin P. Scriggins, East Orange, N. J., assignors to Swiss Knitting Company, Dover, N. J., a corporation of New Jersey
Application March 27, 1940, Serial No. 326,130
3 Claims. (Cl. 2—33)

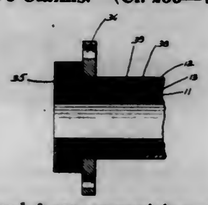
1. A girdle or other foundation garment comprising a body confining or compressing portion, means carried by the girdle for supporting the wearer's stockings, and elastic fabric means se-

cured to said body compression portion of the girdle between said stocking-supporting means and said body compressing portion, said elastic fabric means being substantially more elastic and easier to stretch than said body confining portion and capable of stretching readily in response to the pull of the stockings on said supporting means thereby to relieve excessive tension on said stockings, said elastic fabric means including a band of elastic net which extends in the



circumferential direction of said body compression portion and which is readily stretchable in a direction circumferentially of the girdle and also in a direction longitudinally of the girdle and elastic tapes secured to the upper and lower edges, respectively, of said net, one of said tapes being secured to said body-compressing portion of the girdle, said stocking-supporting means being secured to the other of said elastic tapes, said tapes extending in the circumferential direction of said body compression portion of the girdle.

2,298,738
FLANGED HOSE
Elmer G. Kimmich and James L. Cutler, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Original application December 28, 1935, Serial No. 56,554. Divided and this application February 2, 1939, Serial No. 254,211
3 Claims. (Cl. 285—71)

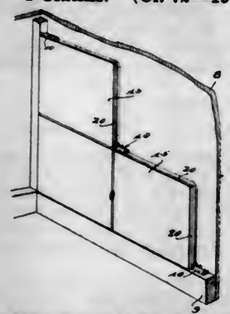


1. A flanged hose comprising a tubular body portion of rubberized fabric, a substantially non-contractible annular ring having a relatively square cross section and closely surrounding the tubular body adjacent the end thereof with the end of the body being cuffed back over the annular ring and against the body and vulcanized around the ring to form a radially directed flange having radially directed sides substantially parallel to the sides of the ring, and an inextensible metal clamping member surrounding the tubular body portion and having a radially directed side engaging the axially inner side of the flange.

2,298,739
ALPHA HALOACRYLONITRILES
Joy G. Lichty, Stow, and James D. D'Ianni, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application March 15, 1940, Serial No. 324,144
15 Claims. (Cl. 260—464)

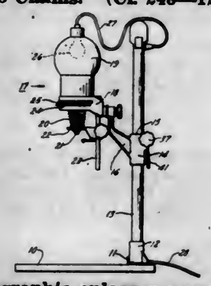
1. A method of preparing alpha haloacrylonitriles which comprises combining a halogen with acrylonitrile to form alpha, beta, dihalopropionitrile, treating the dihalo compound to remove only one molecule of hydrogen halide leaving an alpha haloacrylonitrile and recovering the alpha haloacrylonitrile.

2,298,740
WALL TILE CLIP
Edward P. Lockart, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application December 18, 1940, Serial No. 370,662
4 Claims. (Cl. 72—19)



3. In a clip of the character described, an elongated substantially cylindrical body formed of resilient sheet metal and including a pair of longitudinal parallel spaced flanges and a pair of inclined tabs struck outwardly from longitudinally spaced points on each flange, said body portion having a radial opening to accommodate anchoring means for the clip.

2,298,741
PHOTOGRAPHIC ENLARGER
James J. Lazna, Cleveland Heights, Ohio
Application September 17, 1940, Serial No. 357,152
18 Claims. (Cl. 248—125)

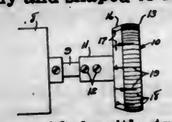


1. A photographic enlarger comprising a support column, a bracket slidably mounted on said support column, a friction drive mechanism on said bracket for moving said bracket along said support column, and manual control means on said bracket independent of said friction drive mechanism for rendering said friction drive mechanism inoperative.

2,298,742
ATTACHMENT FOR TYPEWRITERS
Anna M. Larose, The Pas, Manitoba, Canada
Application October 14, 1940, Serial No. 361,165
1 Claim. (Cl. 197—189)

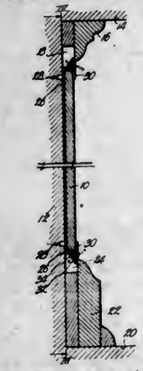
In a typewriting machine, the combination

with a revoluble platen having a circular flat knob fixed at one end thereof, of a resilient cover member removably fitted on the said knob, the said cover embracing the periphery of the knob and having inwardly directed end flanges disposed against the end faces of the knob, the exterior periphery of the cover being divided circumferentially and shaped to form an annular



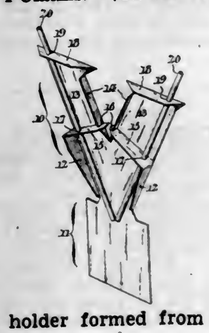
finger portion provided with transverse corrugations, and a smooth annular section having a diminishing taper toward the inner end of the knob and having circularly arranged consecutively numbered graduations designating uniformly spaced divisions of the circumference of the platen for indicating the relative position of a work sheet on the said platen.

2,298,743
MEANS FOR REMOVABLY POSITIONING WALL COVERINGS
Samuel P. Lichtor, Kansas City, Mo.
Application March 3, 1941, Serial No. 381,457
8 Claims. (Cl. 20—15)



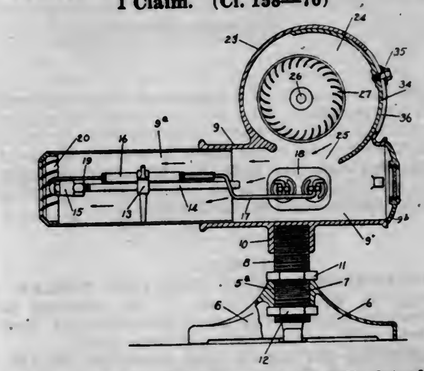
1. Means for attaching stiff panels to a supporting wall comprising an angular anchor plate projecting outwardly from the wall; and a retaining strip hingedly connected to the anchor plate to overlie the marginal edge of the panel.

2,298,744
FLAG HOLDER
Adolf Liermann, Philadelphia, Pa.
Application February 23, 1942, Serial No. 431,981
4 Claims. (Cl. 248—39)



1. A flag holder formed from relatively thin stiff sheet material with an upper portion having the configuration of the letter V; a lower supporting portion at the vertex of the V; and projections at the rear along the length of the bars of the V and apertured to receive the stems of a pair of flags.

2,298,745
OIL BURNER APPARATUS
William F. Klockau, Moline, Ill.
Application August 30, 1939, Serial No. 292,662
1 Claim. (Cl. 158—76)



In an oil burner apparatus, a cylindrical air tube, provided with a discharge opening at one of its ends and a closure at the opposite end, a liquid fuel supply pipe; supported in said air tube for conducting a supply of fuel to said discharge opening, a nozzle on said pipe and discharging through said opening means for igniting the fuel air mixture at the point of discharge, a blower having a cylindrical walled casing supported on said air tube near the closed end thereof, said casing having an air intake in one of its walls and a discharge opening into the air tube, a semi-cylindrical baffle-plate supported in contact with the inner face of the cylindrical wall of said casing, extending through said discharge opening and into the air tube toward the discharge end of said tube for preventing turbulence in the closed end of said tube, and means for adjusting the said baffle-plate to open or partially close the discharge opening.

2,298,746
GLASS COMPOSITION AND PRODUCT THEREOF
Harold R. Moulton, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
No Drawing. Application August 4, 1941, Serial No. 405,373
5 Claims. (Cl. 106—47)

1. A vitreous composition whose analysis is expressed as:

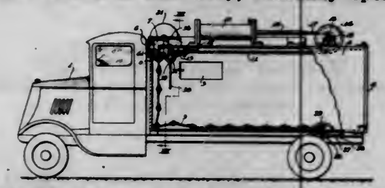
	Per cent
Cadmium oxide	50 to 80
Boric anhydride	20 to 50

and a stabilizer introducing from 0.5 to 2.5% beryllium, based on the batch.

2,298,747
REFUSE COMPACTING APPARATUS
Dudley C. Agar, Pittsburgh, Pa.
Application January 28, 1941, Serial No. 376,291
8 Claims. (Cl. 214—67)

1. In a refuse truck body, a transverse par-

tition having one of its ends normally disposed near one end of said body and having a flexible portion extending lengthwise of said body toward the opposite end thereof, a clamp for detachably connecting the other of said ends of the partition to the bottom of said body, manually operable



means for swinging said clamp out of engagement with the partition, fluid pressure operated means for moving said one end of the partition towards said opposite end of the body to thereby compact refuse between the partition and said opposite end, and spring actuated means for returning said partition to its original position.

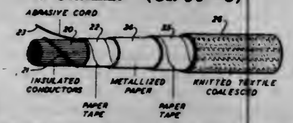
2,298,748

METHOD OF MAKING ELECTRIC CABLES

George R. Brown, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application October 28, 1939, Serial No. 301,749

3 Claims. (Cl. 96—3)



1. A method of making an electric cable having a core, which method comprises the steps of coating textile threads with thermoplastic material, combining the coated threads into a discontinuous sheath about a core, and subjecting the discontinuous sheath to heat and pressure to coalesce the thermoplastic material on the threads into a continuous seamless substantially structureless body having embedded therein as a skeleton the discontinuous structure of textile threads.

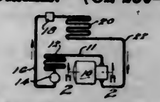
2,298,749

REFRIGERATING MECHANISM

Oskar H. Buschmann, Sidney, Ohio, assignor to Copeland Refrigeration Corporation, Sidney, Ohio, a corporation of Michigan

Application October 25, 1940, Serial No. 362,823

14 Claims. (Cl. 230—206)



1. In a sealed motor compressor unit, in combination, a housing having a pumping chamber formed integrally therewith at one end thereof, a hollow shaft assembly rotatably mounted within said housing, said shaft having a passage therethrough leading to a wearing surface of said assembly, a pumping element in said chamber operatively connected to said shaft for receiving driving movement therefrom, a motor including a stator received within and fixed with respect to said housing and a rotor fixed with respect to said shaft, means adjacent one end of said shaft assembly for limiting axial movement thereof in one direction, a pocket formed on the end wall of said housing adjacent the opposite end of said shaft, means driven by said shaft for supplying lubricating oil to said pocket, tubular means in open communication with said pocket and projecting into the hollow interior of said shaft, and a shoulder on said tubular means arranged in cooperating relation with respect to said opposite end of said shaft assembly for limiting axial movement of said shaft in a direction opposite to the first mentioned axial movement.

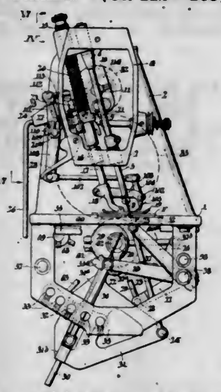
2,298,750

SEWING MACHINE

Norman V. Christensen, Chicago, Harold J. Le Vesconte, Western Springs, George Sauer, Berwyn, and Oscar Quist, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application September 8, 1938, Serial No. 228,888

13 Claims. (Cl. 112—165)



3. A sewing machine comprising a work support; feeding means for engaging the fabric and intermittently advancing it on the work support; a needle adapted to penetrate the fabric from above; a shaft above the work support from which said needle is actuated; a second needle adapted to penetrate the fabric from beneath; a shaft below the work support from which the second needle is actuated in alternation with the first needle; means also actuated from the lower shaft for moving the second needle laterally, while engaged in the fabric, in synchronism with the fabric advancing movements of the feeding means; means below the work support actuated from the lower shaft for spreading and temporarily holding the thread loop of the first needle to enable entry thereinto of the second needle; means above the work support actuated from the upper shaft for spreading and temporarily holding the thread loop of the second needle to enable entry thereinto of the first needle; and transmission means interconnecting the two shafts.

2,298,751

TELEPHONE SYSTEM

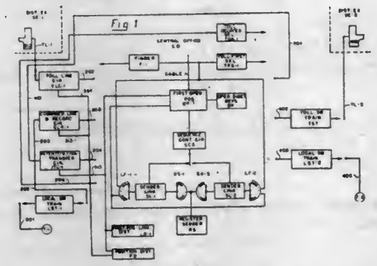
Thomas F. Crocker, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application September 6, 1940, Serial No. 355,630

20 Claims. (Cl. 179—27)

1. In a telephone system, a plurality of lines, an operator position, a group of links individually associated with said operator position, each of said links including an automatic answer switch and an automatic call switch, automatic means

controlled when said operator position is idle for connecting an idle one of said links thereto and for selectively operating the answer switch of said one link to seize a calling one of said lines, thereby to extend the call on said calling line to said operator position to be answered, means responsive to the operation of the answer switch of said one link for rendering busy said one link, means controllable from said operator position for se-



lectively operating the call switch of said one link to seize a called one of said lines, thereby to complete a connection between said calling line and said called line, means responsive to the operation of the call switch of said one link for rendering busy said one link and for disconnecting said one link from said operator position, and means controlled when a busy one of said links is connected to said operator position for rendering busy said operator position.

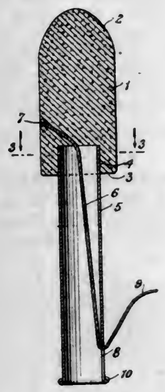
2,298,752

TAMPON

Joseph R. Crockford, Brooklyn, N. Y.

Application April 18, 1941, Serial No. 389,099

1 Claim. (Cl. 128—263)



A tampon consisting of a substantially cylindrical section of sponge-like cellulosic material having a recessed rear end, a tube of less diameter than the tampon having an open end fitted into the recessed rear end of the tampon, a withdrawal cord on the tampon extending through the tube, the tube being notched, the notched portion of said tube engaging the cord and holding it tensioned to thereby cause said cord to hold the tube and tampon together in operative relation.

2,298,753

ART OF REFINING

Carl F. Cross and Edgar P. Grogg, Hammond, Ind., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application January 5, 1939, Serial No. 249,455

4 Claims. (Cl. 196—38)

1. In the production of substantially non-reactive petroleum distillates of kerosene boiling range by treatment with fuming sulphuric acid, the improvement which comprises subjecting the acid treated distillate to treatment with steam and a relatively small amount of a solid alkaline compound at an elevated temperature below the initial boiling point of the distillate under the conditions of treatment.

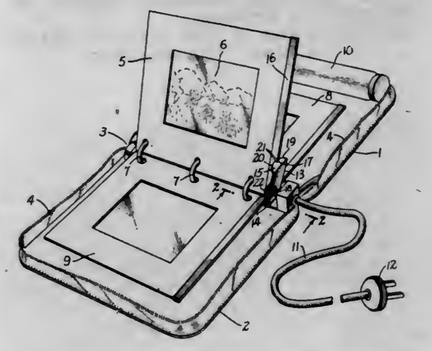
2,298,754

DEVICE FOR EXHIBITING TRANSPARENCIES

John Adams Davis, Great Neck, N. Y.

Application December 14, 1940, Serial No. 370,145

3 Claims. (Cl. 40—130)



1. A device for exhibiting transparencies including a case having hinged cover members, a transparency carrier hinged to the cover members adjacent their hinge and adapted to lie within either of the cover members, a lamp mounted in one of the cover members remote from the hinge, substantially parallel with the axis thereof and at least coextensive with the length of the transparency, and means for automatically arresting the movement of the transparency carrier as it is moved from one cover member toward the other and for supporting the carrier in a predetermined position in relation to the lamp.

2,298,755

APPARATUS FOR DESTROYING NOXIOUS PLANTS

Homer L. Diller, Phoenix, Ariz.

Application May 29, 1939, Serial No. 276,382

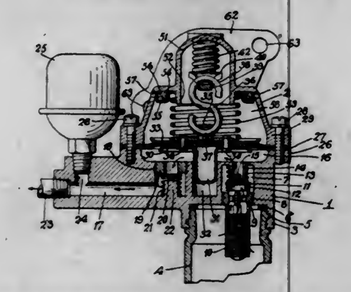
1 Claim. (Cl. 299—120)



A spray nozzle comprising a casing an inlet at the upper end, an outlet at the lower end, and an exterior threaded portion adjacent said lower end,

a strainer positioned within the lower end of the casing and having a peripheral flange terminating in alignment with the lower end of the casing, a diaphragm positioned against the lower end of the casing and contacting with the edge of the peripherial flange on the strainer, said diaphragm having a series of openings therein with directive vanes extending upwardly at an angle to the surface of the diaphragm and immediately above the openings, a convex diaphragm having a central discharge opening therein, an annular bushing interposed between the diaphragm and the convex diaphragm to space the convex diaphragm from the diaphragm, and a thimble having an inwardly extending lip at its lower end to engage the edge of the convex diaphragm and threadedly engaged with the exterior threads of the casing to hold the convex diaphragm, the diaphragm and the strainer in assembled relation on the casing.

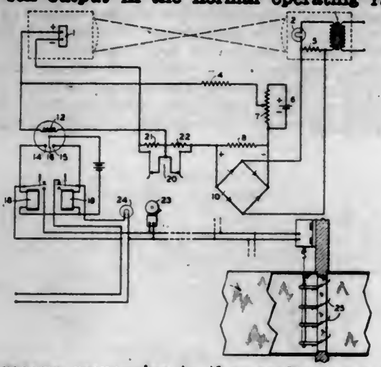
2,298,756
INVERTED PUMP
Charles A. Erickson, Chicago, Ill., assignor to United Specialties Company, Chicago, Ill., a corporation of Delaware
Application May 22, 1941, Serial No. 394,579
9 Claims. (Cl. 103—150)



1. In combination in a pump, a housing, a pumping element positioned therein, means for moving said pumping element, said means including a spring biased to move said pumping element in one direction, when free to do so, and means for moving said pumping element in the opposite direction, said last mentioned means including a lever arm, and a rigid unitary S-shaped connection member joining said lever arm and said pumping element, and comprising the sole connection therebetween, said connection shaped to provide substantial clearance between it and the lever arm and between it and the pumping element.

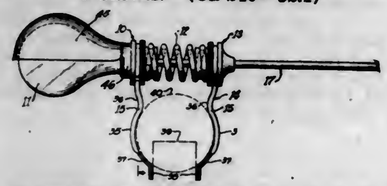
2,298,757
SMOKE DETECTION SYSTEM
Francis C. Evans, Dongan Hills, Staten Island, and Khatchik O. Donelian, New York, N. Y., assignors to The American District Telegraph Company, New York, N. Y., a corporation of New Jersey
Application December 10, 1938, Serial No. 244,988
10 Claims. (Cl. 177—311)

1. In combination, a source of light, a source of fluctuating voltage for energizing said source of light, a photocell for receiving light from said source through a supervised area, the output of said cell varying in accordance with the fluctuations of said voltage, means responsive to said source of fluctuating voltage for producing an output corresponding to fluctuations in said voltage variable at substantially the same rate as the cell output in the normal operating range



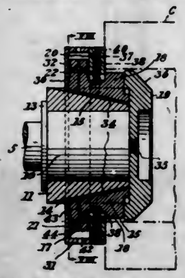
and means responsive to the resultants of said outputs.

2,298,758
PORTABLE ELECTRIC LAMP
Fred V. Fischer, Omaha, Nebr.
Application April 16, 1941, Serial No. 388,726
7 Claims. (Cl. 240—52.1)



1. A portable electric light lamp including an electric lamp socket, a tubular member spaced from said socket, a coil spring interposed between and connecting said socket and said tubular member, clamping means including a pair of clamping members extending one from said socket and the other from said tubular member, and an electric current conductor extending through said tubular member and through the longitudinal axis of the convolutions of said coil spring into connections with said socket.

2,298,759
COIL HANDLING APPARATUS
Frederick Z. Fouse, Weirton, W. Va.
Application August 23, 1940, Serial No. 353,870
6 Claims. (Cl. 242—72)



1. A rotatable head for supporting a coil comprising a rotatable support movable toward and from a coil to be supported, segments slidable on sloping seats formed in said support whereby said segments move radially of said support

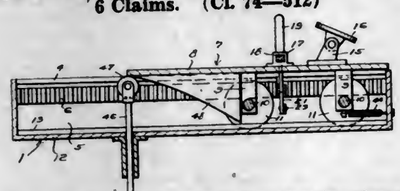
when moved axially thereof, said segments having portions adapted to engage a coil interiorly, said segments also having bearing portions projecting radially thereof, a fixed-diameter annulus engaging said bearing portions and adapted to engage the end of the coil and thereby arrest said segments as said support is moved toward the coil, and means carried by said annulus exerting a yielding inward pressure radially on said segments.

2,298,760
INKING PAD
Benjamin D. Gilbert, New York, N. Y.
Application September 4, 1941, Serial No. 409,519
7 Claims. (Cl. 91—54.5)



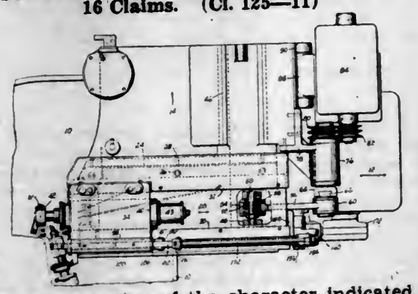
1. In combination, a support, and an inking pad attached to said support, said inking pad comprising a base, flocking attached to one side of said base, and a pressure-sensitive adhesive on the other side of said base for removably attaching said base to said support.

2,298,761
CONTROL DEVICE
Callender Faysoux Hadden, New Orleans, La.
Application October 14, 1941, Serial No. 414,955
6 Claims. (Cl. 74—512)



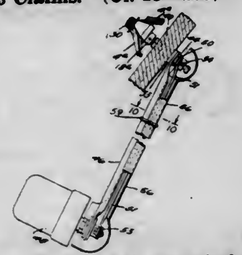
1. A control device of the character described comprising an elongated housing, a plunger slidable in said housing, rack bars mounted longitudinally in the housing, a foot-operated carriage movable longitudinally on the housing, said carriage including a plate and supporting wheels on said plate operable in the housing, a slidable foot-operated bar mounted transversely on the plate, a lever pivotally mounted beneath the plate and operatively connected to said bar, and latches operatively connected to said lever and engageable with the rack bars for releasably securing the carriage against movement relative to the housing.

2,298,762
GRINDING WHEEL DRESSING
Franklyn P. Hegeman, Union, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 13, 1941, Serial No. 383,197
16 Claims. (Cl. 125—11)



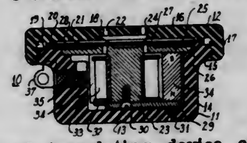
2. In apparatus of the character indicated, a main slide adapted for advancing and retreating movement, a wheel slide mounted on the main slide for reciprocation in the direction of said advancing and retreating movement and having a grinding wheel, means for constantly reciprocating the wheel slide with respect to the main slide, a dressing slide on the wheel slide and normally reciprocating therewith, a dressing tool on the dressing slide, and means for shifting the dressing slide with respect to the constantly reciprocating wheel slide to thereby traverse the dressing tool along the grinding wheel.

2,298,763
WINDOW WIPER
John H. Herzog, Brooklyn, N. Y.
Application July 19, 1941, Serial No. 403,121
3 Claims. (Cl. 15—255)



1. A wiper for a two part rear window of a motor vehicle having a passenger compartment provided with a rear window and a luggage compartment below said window, the two parts of the rear window being separated by a frame, which wiper comprises two wiper arms mounted through a hole in said frame, a drive for said wiper arms comprising an oscillating motor mounted in the luggage compartment of said motor vehicle, an elongated support member on which said motor is mounted, hollow clamping means extending through the hole in the window frame clamping said support member to the window frame, and reciprocating drive means connecting said motor with the wiper.

2,298,764
SOUND TRANSLATING DEVICE
Albert F. Horlacher, Genoa, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application January 27, 1941, Serial No. 376,094
3 Claims. (Cl. 179—114)



1. A sound translating device comprising a longitudinally extending cylindrical cup-shaped casing, a laterally extending vibratory diaphragm mounted adjacent its marginal edge in the open end of said casing, a longitudinally extending core element disposed substantially centrally within said casing and having a pole face presented to said diaphragm, a laterally extending first field element disposed adjacent the open end of said casing in substantially parallel close spaced relation with respect to said diaphragm and surrounding said core element in close spaced relation therewith, said first field element having a pole face presented to said diaphragm, a lat-

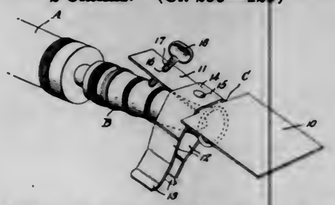
erally extending second field element disposed adjacent the bottom end of said casing and magnetically connected to said core element, a winding disposed in said casing and surrounding said core element, said winding being positioned between said first field element and said second field element, and a semiannular permanent magnet disposed in said casing and at least partially surrounding said winding, said permanent magnet being positioned between said first field element and said second field element and presenting opposite longitudinally spaced-apart poles thereto.

2,298,765

SPRAY ATTACHMENT FOR HOSE NOZZLES

Albert Johnson, New York, N. Y.

Application June 4, 1941, Serial No. 396,494
2 Claims. (Cl. 299—120)



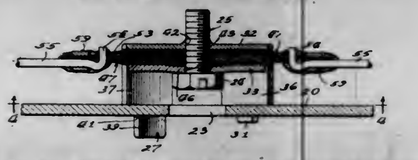
1. A spray attachment for hose nozzles including a deflector blade having a rearwardly extending shank and adapted to be disposed in the path of the water stream issuing from the nozzle, and means for detachably mounting said blade upon the hose nozzle for longitudinal rocking adjustments relative thereto consisting of a pair of resilient fingers depending from opposite side edges of the shank for clampingly engaging the hose nozzle and a set screw extending through said shank rearwardly of the fingers with the inner end of the screw depending from the shank and bearing upon the hose nozzle for rocking the blade on the outer end of the nozzle so as to adjust the angularity of the blade and thereby regulate the degree of deflection of the water.

2,298,766

ELECTRICAL CONDENSER

Carther M. Jorgensen, Chicago, Ill., assignor to Underwood Electric & Mfg. Co., Inc., Chicago, Ill., a corporation of Illinois

Application January 6, 1941, Serial No. 373,235
9 Claims. (Cl. 175—41.5)



5. In an electrical condenser the combination of an external housing plate having a plurality of transversely extending guide flanges separated from each other by slots, said plate having a centrally located threaded aperture, a plurality of metal condenser plates and a plurality of insulating sheets arranged alternately in a stack to insulate said condenser plates from each other and from said housing plate, said insulating sheets being shaped to engage said guide flanges, and a pressure plate engaging the assembly of insulating plates and condenser plates, said pressure plate having a centrally located aperture surrounded by a dished portion and having radially extending slots extending from said aperture in said dished portion, and a threaded metal member extending through said pressure plate and threaded into said housing plate to place a predetermined compression upon the assembly of the insulating plates and condenser plates, said condenser plates being formed with integral radially extending connector portions and said condenser plates being arranged in at least two series of plates, the plates of each series being insulated from the plates of the other series and the plates of different series having their connector portions extending through different slots in said housing, and means for securing said connector portions together to assure the location of said condenser plates in said assembly with the condenser plates out of contact with the threaded member and the housing flanges.

2,298,767

CLOSURE HINGE MEANS

Walter H. Johnson, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application June 3, 1940, Serial No. 338,576
5 Claims. (Cl. 112—258)

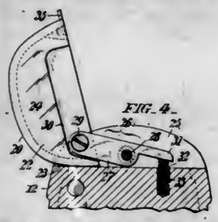


FIG. 4.

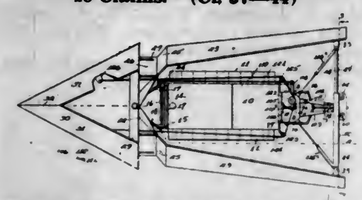
1. Closure hinge means including a hinge element in the form of a single lever arranged along one end of the closure; a fixed axis on which the lever is fulcrumed intermediate its ends; a pivot connecting the lever at one end to the corresponding end of the closure adjacent the rear edge of the latter; and a compression spring influential upon the opposite end of the lever to yieldingly resist movement of the closure from either its open position or its closed position.

2,298,768

SNOW PLOW

George B. Kester, Tingley, Iowa

Application June 7, 1940, Serial No. 339,335
18 Claims. (Cl. 37—44)



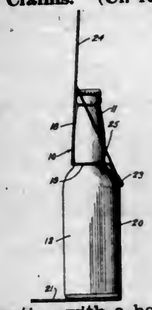
1. In a snow plow, a nose portion, a pair of side wings, means for pivoting the forward ends of said wings to the forward end of a tractor to swing about a vertical axis with the tractor between said wings, means for swinging the forward end of the nose portion laterally relative to the longitudinal axis of said tractor and to said wings, means for adjusting the rear end of said side wings toward and from each other and to said tractor.

2,298,769

RIDER DISPLAY

Edwin A. Kirchner, James D. Sherman, and Elmer J. Hausknecht, Chicago, Ill.

Application March 30, 1940, Serial No. 326,874
8 Claims. (Cl. 40—4)



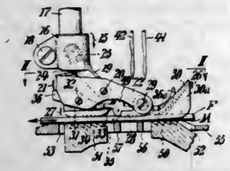
1. In combination with a bottle having a neck and a body portion, a display rider fashioned from sheet material and comprising upper and lower offset parts extending vertically on opposite sides of the bottle along, respectively, the neck and the body portion of said bottle, an apertured part hingedly connecting said offset parts and fitting over the neck of said bottle, a lower part hingedly connected to and extending horizontally from said lower offset part under the bottom of said bottle, a centrally apertured tab hingedly connected to the top of said upper offset part and extending therefrom around the neck of said bottle into overlapping connecting relationship with the top part of said lower offset part.

2,298,770

PRESSER FOOT FOR SEWING MACHINES

Frank A. Kucera, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application June 27, 1940, Serial No. 342,653
13 Claims. (Cl. 112—235)



1. A presser foot for sewing machines, comprising a shank member, a horizontal rocker fulcrumed intermediate its ends to said shank member, separate rockable toe and heel fabric engaging components carried respectively by the front and rear ends of said rocker; and a spring pressed chaining finger having one end fulcrumed adjacent the rear end of said rocker and having its other end operating downwardly in the field of operation of said toe component.

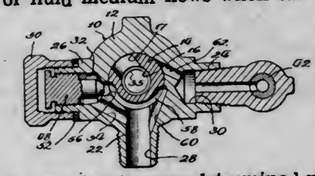
2,298,771

GAS VALVE

Charles C. Lamar, Chicago, Ill., assignor to Harper-Wyman Company, Chicago, Ill., a corporation of Illinois

Application April 18, 1940, Serial No. 330,336
4 Claims. (Cl. 251—104)

1. In a valve of the type comprising a body apertured to receive a rotatable control member operable to control the supply of a fluid medium, said control member being provided with a central axial passageway and a radial passageway for controlling the supply of the medium to a burner, an inlet passageway, a passageway adapted to be connected to a pilot burner and communicating with the control member at a point angularly displaced in one direction from said inlet passageway, and a low adjustment passageway providing communication between the inlet passageway and control member at a point angularly displaced in the opposite direction from said inlet passageway through which a predetermined amount of fluid medium flows when the control



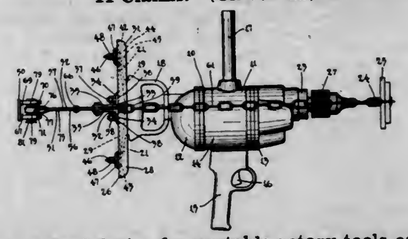
member is operated to a predetermined position, including in combination, an auxiliary passageway leading from said inlet passageway to the control member at a point between said inlet and pilot passageways, and a passageway in said control member spaced from the axial and radial passageways therein, said pilot, auxiliary and last mentioned passageways being so constructed and located angularly with respect to each other and the inlet, the low adjustment and the radial and axial passageways that gas is supplied to the pilot burner at a substantially constant pressure whenever gas is supplied to the burner.

2,298,772

FEED DEVICE FOR PORTABLE TOOLS

Herman Milberg, East Union, Minn.

Application June 10, 1940, Serial No. 339,734
11 Claims. (Cl. 77—32)



1. A feed device for portable rotary tools comprising a support carried by the tool, a pair of crossed levers pivoted intermediate their ends to said support, substantially in alignment with the axis of the tool, a connector between two of the corresponding ends of the levers and the work, a single actuator connected to the other ends of both of the levers to procure simultaneous movement thereof, said actuator being adapted upon movement toward the work to swing the levers in a direction to procure relative movement of the work and the tool toward each other.

2,298,773

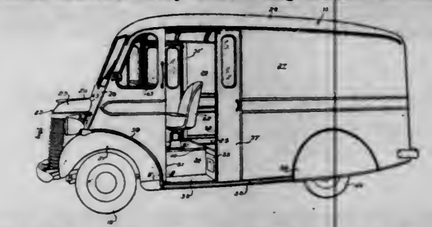
VEHICLE

John Nicol, Detroit, Mich., assignor to Divco-Twin Truck Company, Detroit, Mich., a corporation of Michigan

Application June 13, 1940, Serial No. 340,395
3 Claims. (Cl. 296—35)

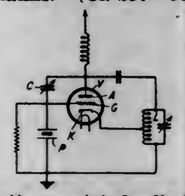
1. In combination with a self-propelled vehicle stock chassis equipped with a forwardly disposed

engine and its standard front fenders; an elongated substantially complete self-sustaining box-like body unit of large storage capacity constructed distinct from said chassis and adapted to seat directly upon said chassis with the front end thereof at least partly extending over said engine and overhanging said fenders; means securing said front end of the body directly upon said fenders so that the latter become rigid with the front end of the body, the lower ends of the front and side body walls being formed to follow



the changing contour of the fender surfaces therebeneath; a side doorway opening to a low entrance floor within said body; an upstanding engine cover within said body forwardly of said doorway; an elevated cargo platform at one side of said engine cover forwardly of said doorway and said entrance floor so that said cargo platform is readily accessible to a driver standing on said floor; and a floor at the other side of said engine cover arranged at a lower level than said platform forwardly of said doorway.

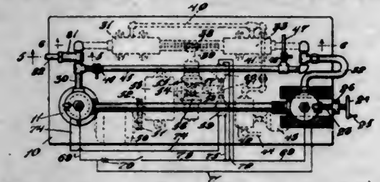
2,298,774
CRYSTAL CONTROLLED OSCILLATION GENERATOR
George Percy Parker, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application June 28, 1940, Serial No. 342,930
In Great Britain July 12, 1939
9 Claims. (Cl. 250—36)



1. In combination, a triode discharge tube, a parallel tuned circuit having a high potential end and a grounded end, a series connected piezo-electric crystal and a condenser connected between the anode of said tube and the grounded end of said parallel tuned circuit, said condenser and the crystal capacity constituting a potentiometer capacity, said triode tube having its anode coupled to the high potential end of said tuned circuit, its grid being connected to the junction point of the crystal and condenser, and its cathode being connected to an intermediate point on the inductive element of the parallel tuned circuit.

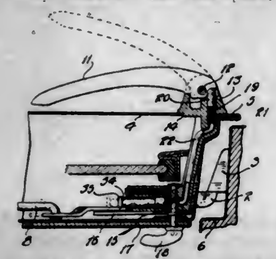
2,298,775
RIFLE BARREL LAPPING MACHINE
Andrew Raiche, Providence, R. I.
Application May 16, 1941, Serial No. 393,799
11 Claims. (Cl. 51—59)

10. A machine for lapping the bore of a gun barrel, comprising spaced supports having means thereon for mounting a gun barrel therebetween, a lapping tool in said bore, a closed circuit including a liquid in said gun barrel, a cylinder having a conduit leading to said bore and a piston in said cylinder operable for applying a force



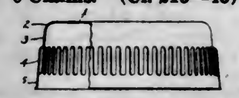
on said liquid to move the same through said gun barrel to propel said lapping tool through the said bore, and means engaged by said lapping tool and operable for controlling the action of said piston.

2,298,776
HYDRAULICALLY OPERATED LOCK
Lloyd R. Rhein, Pleasant Ridge, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application February 12, 1941, Serial No. 378,501
8 Claims. (Cl. 292—144)



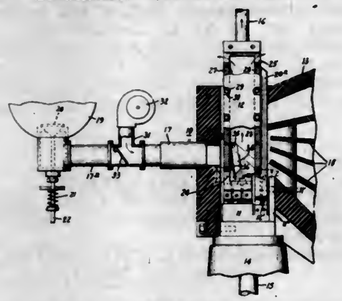
1. In a hydraulic lock particularly adapted for narrow pillars, the combination of a lock casing, a bolt slidable therein, means for retracting the bolt from the inside of the door and outside operating connections of the hydraulic type comprising a hydraulic transmission passing across the door just inside the jamb face and having means on the inner end for retracting the bolt and having means on the outside end to be actuated by the outside handle and idling means together with a valve that may be alternately turned to put the idling means in communication with the hydraulic fluid to make the outside handle ineffective and to put the retracting means in communication with the hydraulic fluid to make the outside handle effective to retract the bolt.

2,298,777
PLIABLE METAL CLOSURE
John W. Thomas, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 18, 1941, Serial No. 383,935
6 Claims. (Cl. 215—43)



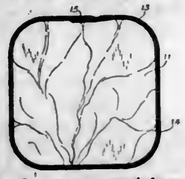
2. A pliable metal closure having initially smooth upper and lower skirt portions adapted to be reformed on a container and a pre-corrugated intermediate skirt portion.

2,298,778
ELECTRIC CIRCUIT BREAKER
Carl Thumim, Yeadon, and Alexander C. Boisseau, Lansdowne, Pa., assignors to General Electric Company, a corporation of New York
Application September 20, 1941, Serial No. 411,622
10 Claims. (Cl. 200—148)



1. In a high-speed fluid-blast circuit breaker comprising stationary and movable current-conducting parts including relatively movable contacts, means for supplying a blast of fluid under pressure adjacent said relatively movable contacts during the circuit opening operation of said circuit breaker, means for circulating a fluid medium adjacent said current-conducting parts while said circuit breaker is carrying current, and means for rendering said last-mentioned means ineffective whenever said first-mentioned means operates to supply a blast of fluid adjacent said relatively movable contacts.

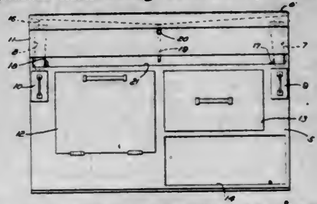
2,298,779
MEAT PACKAGE AND METHOD
Richard H. Vogt, Philadelphia, Pa.
Application May 21, 1941, Serial No. 394,533
11 Claims. (Cl. 99—174)



1. A meat package comprising a quantity of meat customarily purchased by the ultimate consumer, a moisture-proof liner completely surrounding said quantity of meat and adapted to prevent evaporation of the natural juices and penetration of the moisture normally present in the meat to the outer surface of said liner and a cellulose casing separate from the liner tightly shrunk around said liner and said meat to retain said liner in place and compress the meat whereby a firm, attractive package is provided.

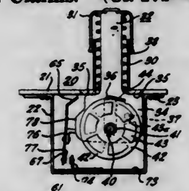
2,298,780
GRIDDLE
Thad Wilson, Gary, Ind., assignor to Biddie In A Basket, Inc., a corporation of Indiana
Application October 1, 1941, Serial No. 413,082
3 Claims. (Cl. 53—5)

1. A griddle having four walls and a rectangular bottom sloping from each end thereof toward the center to provide a deep fat frying portion thereat, a plurality of narrow rectangular openings located in said bottom adjacent each end thereof and spaced apart from said walls, a support for said griddle, a tapered duct for each of said openings, said duct having a rectangular cross section and being detachably mounted on



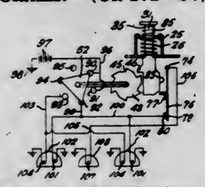
said support in alignment with said griddle opening, and a removable receptacle for each duct, each receptacle being carried by said support and positioned in alignment with one of said ducts.

2,298,781
SWITCH MECHANISM
Arnold A. Bluemle, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 21, 1940, Serial No. 336,421
7 Claims. (Cl. 171—97)



7. An electric switch including in combination, a casing; a switch back closing one side thereof; a plurality of stationary contacts arranged in an arcuate path and a biased movable contact adapted for successive engagement with one of the stationary contacts carried by the switch back; a carrier supporting bridge means rotatably mounted within the casing, said bridge means adapted to engage alternately certain of the stationary contacts; an actuator carried by said casing and projecting through same for reciprocable movement; and provisions provided by the actuator cooperating with the carrier and the biased movable contact whereby the bridging means is rotated step-by-step and the biased contact engages its associated stationary contact successively when the actuator is moved a predetermined distance in one direction from its normal position.

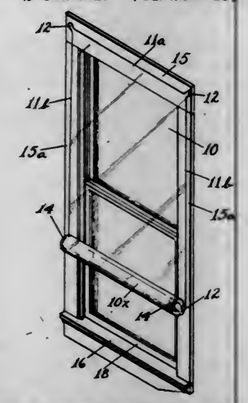
2,298,782
DIMMER SWITCH
Arnold A. Bluemle, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 21, 1940, Serial No. 336,422
17 Claims. (Cl. 171—97)



2. In an electrical distributing system, the combination of bright, dim and passing lights;

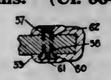
electrical connections for all the lights; a current source for all the lights; a master switch for controlling the distribution of current to the bright and dim lights alternately; an auxiliary switch for controlling the distribution of current to the passing light, a common actuator for both switches, said actuator being capable of predetermined movement to operate the auxiliary switch to disconnect the passing light from the source without effecting the position of the master switch whereby the lights then connected with the source by said master switch will keep on burning.

2,298,783
TRANSPARENT SEALING DEVICE FOR WINDOW OPENINGS
Harold A. Burnett, Wichita, Kans.
Application March 18, 1940, Serial No. 324,519
2 Claims. (Cl. 20—40)



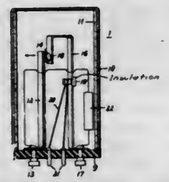
1. In a transparent sealing device for window openings; the combination of a flexible transparent piece of material, the edges of said material being turned against the main body of the material and cemented thereto as a reinforcing for the edges of the piece of material, the corners of the piece of material projecting beyond the main body of the piece to form tabs by which the piece of material may be handled, and the edge portions of the piece of material having an adhesive thereon to provide an air tight means of attaching the piece of material to a window casing as shown and described.

2,298,784
OPHTHALMIC MOUNTING
Roland T. Cook and Wilfrid A. Bonin, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application June 29, 1938, Serial No. 216,526
5 Claims. (Cl. 88—47)



1. An ophthalmic lens of transparent moldable plastic material normally having no preformed connection opening therein and lens holding means having a pair of spaced ears, one on each side of the lens, one of said ears having an opening therethrough and the other of said ears having an undercut recess in its lens engaging face and having an opposed imperforate outer surface and a connecting member having an enlarged head adjacent one end thereof and a main tubular like body portion forced through the opening in one of said ears, through the material of the lens and into engagement with the undercut recessed portion of the opposed ear with its enlarged head engaging the ear having the opening therein and with the opposed end of the tubular body portion having portions flared outwardly beneath the undercut part of the recess of the adjacent ear so as to mechanically interlock therewith and with certain of said plastic material being present within the tubular member after said connection member is in anchored relation with the ears of the lens holding means.

2,298,785
STARTING SWITCH
Leonard W. Cook, Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Application September 27, 1941, Serial No. 412,531
5 Claims. (Cl. 200—122)



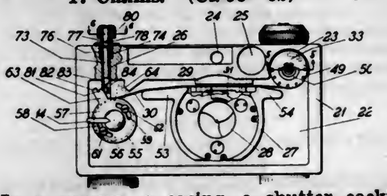
1. A thermal switch comprising a plurality of normally closed cooperating contacts, a resistance heater connected in a series circuit therewith, means responsive to said heater for separating said contacts whereby the switch undergoes cycles of alternately opening and closing said circuit, and means comprising a member constructed to have high heat storage capacity and arranged to receive heat from said heater for interrupting said cycles in response to heat received by it from the heater and accumulated in it after a plurality of successive energizations of the heater.

2,298,786
REINFORCING SEAM FOR OVERNIGHT, BATHING, AND OTHER BAGS
Harry Dubofsky, Brooklyn, and Joseph Alhadef, Rockaway Beach, N. Y.
Application January 29, 1940, Serial No. 316,124
5 Claims. (Cl. 190—54)



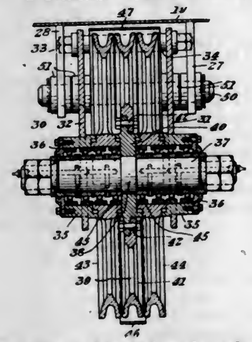
3. In a bag having flexible walls extended at right angles to each other with adjacent edges turned in and secured together with a welt disposed between the adjacent faces thereof, a tubular casing of flexible material, said tubular casing comprising a tube portion and a web portion, said web portion being formed of two strips of material respectively extending from said tube portion, said strips being secured together in face engagement with one another and being mounted on the inside face of one of said inturned edges, and a stiff wire extending through said tube portion for reinforcing said welt to stiffen and shape said bag.

2,298,787
CAMERA
Gustave Fassin, Grosse Pointe, Mich., assignor to International Industries, Inc., Ann Arbor, Mich., a corporation of Michigan
Application December 6, 1939, Serial No. 307,891
17 Claims. (Cl. 95—62)



8. In a camera, a casing, a shutter cocking member carried by said casing comprising a rockably mounted member and a setting member angularly adjustable on said rockable member, a manually operable shutter release device on said casing and cooperating stop formations on said setting member and said device.

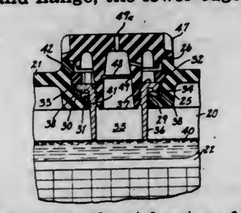
2,298,788
HEAD SHEAVE BLOCK FOR CLAMSHELL BUCKET OR THE LIKE
Edward L. Harrington, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application September 10, 1941, Serial No. 410,291
4 Claims. (Cl. 37—183)



1. A head sheave block for clamshell buckets or the like, comprising spaced hanger brackets, a sheave pin extending between said brackets, bearings carried by said brackets in which said pin is rotatably supported, a center sheave secured to said pin adapted to be reeved with the holding cable of the bucket, and outer sheaves rotatably carried on said pin between said first-mentioned sheave and said bearings adapted to be reeved with the closing cable of the bucket, said center sheave having a hub with an axial thickness less than the axial thickness of the center sheave at the periphery, and bearings on said pin for said outer sheaves extending at least partially within the planes in which the lateral faces of the periphery of the center sheave lie.

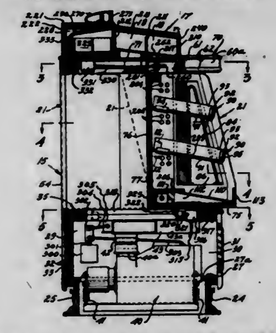
2,298,789
NONOVERFILL DEVICE
Robert H. Hill, Anderson, and Richard M. Goodwin, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 18, 1940, Serial No. 330,360
4 Claims. (Cl. 136—178)

1. A non-overfill device for a liquid container comprising the combination of a cover for the container having a filler opening therethrough, the wall of the filler opening having an inwardly extending ledge the upper face of which is provided with a continuous groove to receive a quantity of liquid; a valve located within the opening and having an opening through which liquid passes into the container and having an outwardly extending flange by which the valve is supported by the ledge, said flange being provided on its under face with a continuous lip received by the groove of the ledge, the liquid in the groove providing a seal at the contacting portions of the ledge and flange, the lower edge of the valve



extending downwardly at least as far as the desired level of liquid in the container when the flange is supported by the ledge; a vent-plug for closing the filler opening; cooperating means provided by the plug and valve whereby turning the plug relative to the valve causes the valve flange to be lifted from the ledge whereby the container may be vented through the space between the valve flange and the cover ledge and through the vent provided by the plug; means for preventing rotation of the valve while permitting vertical movement thereof; and means for limiting the movement of the valve flange from the cover ledge.

2,298,790
DISPLAY CASE
Edward J. Klassen, Los Angeles, Calif., assignor to The Klassen Company, Los Angeles, Calif., a corporation of California
Application July 29, 1940, Serial No. 348,160
18 Claims. (Cl. 62—89.5)



1. In a cabinet structure of the character described, the combination of a pair of opposed, vertically spaced, upper and lower stationary walls, a swinging case received between said walls, said case having top and bottom walls presented at relatively close spacing to said upper and lower walls, a vertical trunnion tube extending through the top and bottom walls of said case and supported within said upper and lower stationary walls, means for supplying refrigerated air to an end of said tube through the corresponding stationary wall, and said tube being

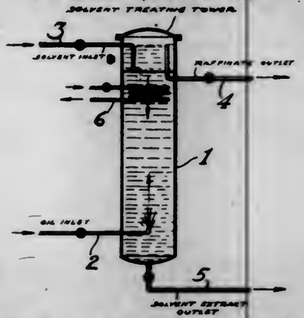
perforated between the bottom and top walls of said case to permit discharge of said refrigerated air into said case.

2,298,791

SOLVENT TREATING OF MINERAL OILS

Paul J. Harrington, Fanwood, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application May 14, 1938, Serial No. 207,874
2 Claims. (Cl. 196—13)



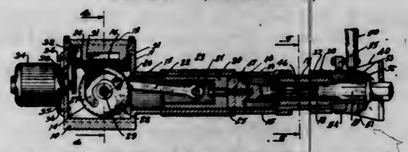
1. A solvent treating process comprising contacting mineral oil with a solvent comprising essentially water at a temperature of about 600° F. and at a pressure sufficient to maintain the constituents in the liquid phase under conditions to form a raffinate phase and a solvent extract phase, separating said phases and removing the solvent therefrom.

2,298,792

ROCK DRILL

John Royal Hicks, Sargents, Colo.

Application June 27, 1941, Serial No. 399,977
6 Claims. (Cl. 255—43)



1. An electrically driven rock drill comprising: a barrel; a piston slidably mounted in said barrel; a chuck for receiving the rear extremity of a drill steel positioned at the forward extremity of said barrel; a hammer head on said piston to contact said steel; a crank disc positioned on a transverse axis at the rear of said barrel, said disc having a concentric circumferential slot extending substantially 180° about its axis; a connecting rod extending from said piston to a position adjacent said disc; a pin in the extremity of said connecting rod entering said slot so that as said disc is rotated one extremity of said slot will engage said pin to draw said piston away from said steel; and spring means for drawing said piston toward said steel when said pin passes the dead center position on said disc.

2,298,793

BITUMINOUS PAINT

August Holmes, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 1, 1939, Serial No. 282,482
3 Claims. (Cl. 106—14)

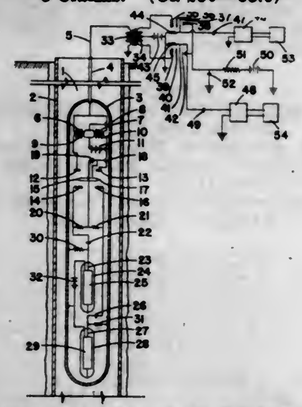
1. A method of protecting metallic surfaces against corrosion which comprises coating the said metallic surface with a composition consisting of cracking coil tar of 119° to 200° F. softening point prepared by subjecting a petroleum oil having a gravity of about 30° to 35° A. P. I. to a temperature of about 800° to 1000° F. at a pressure of 6 to 2000 pounds per square inch in a narrow confined stream, after which the heated petroleum oil is introduced into an enlarged container and the cracking coil tar separated and a volatile solvent and allowing the volatile solvent to evaporate therefrom.

2,298,794

WELL LOGGING

Lynn G. Howell, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 23, 1941, Serial No. 399,330
3 Claims. (Cl. 250—83.6)



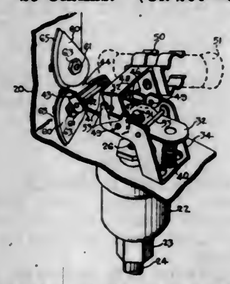
1. A method for logging boreholes which comprises passing along the borehole a plurality of Geiger-Muller counters, amplifying the output pulses of said counters continuously, combining said amplified pulses in a single conductor in out-of-phase relationship, conducting said pulses to the surface, separating said pulses at the surface, and separately recording values, each of which is a function of one of said pulses.

2,298,795

SWITCHING MECHANISM

Albert L. Judson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application May 7, 1937, Serial No. 141,299
29 Claims. (Cl. 200—83)



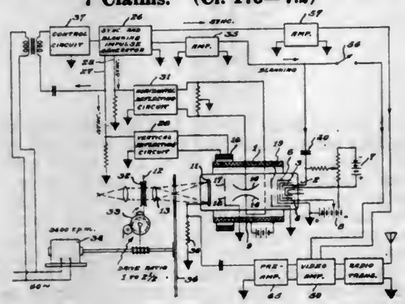
1. In a device of the character described, in combination, a movable member, a lever movable thereby, a second lever associated with said first lever and movable thereby, contact means movable by said first lever, abutment means disposed adjacent an end of said second lever, the arrangement being such that said movable contact is not moved until said first lever has moved said second lever into engagement with one of said abutments and yieldable means associated with said second lever and said contact mechanism whereby excessive motion of said second lever is not transmitted to said contact means.

2,298,796

METHOD AND APPARATUS FOR PICTURE TRANSMISSION

Ray D. Kell, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 31, 1939, Serial No. 292,925
7 Claims. (Cl. 178—7.2)



1. A picture-transmitting system comprising in combination a cathode ray transmitter tube of the type in which there is a mosaic screen having elemental capacity elements which are electron-emissive and in which an electron beam is directed toward said screen, the electrons at the point of impact on said screen having a velocity such that the ratio of secondary electrons emitted from said screen to primary or beam electrons is less than unity, means for projecting images of a picture or scene upon said screen intermittently at a certain rate whereby periodically recurring signal pulses of a certain polarity appear in the output circuit of said tube in synchronism with said projection, means for scaning said screen with the electron beam at the end of each projection whereby picture signals of opposite polarity to said certain polarity appear in said output circuit, the resulting video signal in said output circuit having the characterstic that the alternating current axis is always at the level representing black in the picture, clipping means having a fixed bias for clipping off said signal pulses at said black level whereby pedestals are produced, means for producing periodically recurring synchronizing pulses that occur simultaneously with said pedestals, and means for so adding said synchronizing pulses to said clipped video signal that they extend beyond said pedestals in the direction of black.

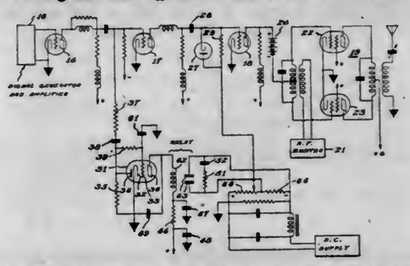
2,298,797

TELEVISION TRANSMITTER

Ray D. Kell, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 30, 1939, Serial No. 297,216
4 Claims. (Cl. 178—7.2)

1. The method of transmitting television pictures from a radio transmitter including a final radio frequency amplifier stage having a certain output rating for continuous output, said method comprising producing a carrier wave, producing a composite signal comprising picture signals and periodically recurring synchronizing impulses which impulses are in the direction of black in the picture being transmitted, inserting in said composite signal the direct current component of



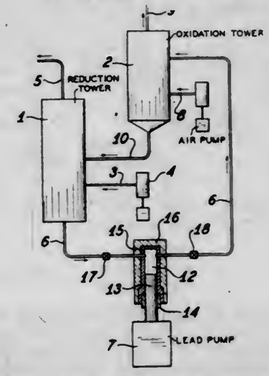
said picture, modulating said carrier wave negatively with the resulting composite signal and with the synchronizing impulses driving said amplifier stage substantially to maximum power output and substantially above said certain output rating, and automatically reducing and holding the output of said amplifier stage to at least substantially said continuous output rating in response to interruption of said composite signal.

2,298,798

METHOD FOR PRODUCING GASEOUS OXIDES OF SOLID METALLOIDS

Warren K. Lewis, Newton, Mass., and Thomas V. Moore, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

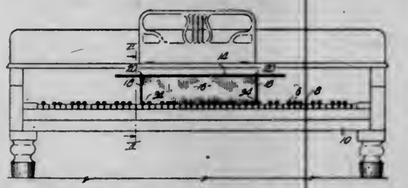
Application October 1, 1938, Serial No. 232,790
12 Claims. (Cl. 23—150)



1. A method for producing a normally gaseous oxide of a normally solid metalloid of the group consisting of carbon and sulfur in a substantially pure state which comprises introducing a substance containing the metalloid in a reactive state into a fluent, molten body of readily reducible metal oxide which melts at a temperature below the decomposition temperature of the desired metalloid oxide, whereby reaction occurs between the metalloid and the metal oxide yielding the normally gaseous metalloid oxide, removing the resulting gas, continuing the addition of the metalloid containing substance until the metal oxide is substantially reduced, subjecting the reduced metal oxide while still in the fluent state to a

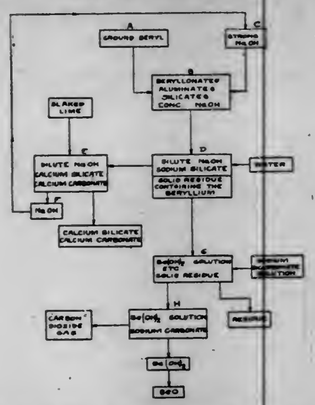
blast of air until it is reconverted into the metal oxide, and then resuming the addition of the metalloid-containing substance.

2,298,799
KEYBOARD COVER
Jewel Lorene McClintock, Slaton, Tex.
Application August 5, 1941, Serial No. 405,529
7 Claims. (Cl. 84—467)



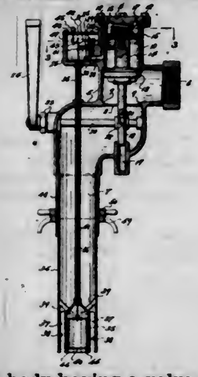
1. A piano keyboard cover comprising a unitary, collapsible body having a panel; and a plurality of brackets hingedly secured to the panel, said brackets being formed and disposed to enter spaces between the keys of the piano and when in such position, to support the panel above the keys in parallel spaced relation thereto.

2,298,800
PROCESS FOR THE PRODUCTION OF BERYLLIUM OXIDE OR HYDROXIDE
Ralph H. McKee, New York, N. Y.
Application May 26, 1939, Serial No. 275,846
7 Claims. (Cl. 23—24)



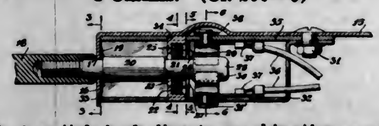
7. The process of producing beryllium hydroxide from beryllium-bearing minerals, which comprises comminuting the beryllium-bearing minerals, mixing a mass of said comminuted beryllium-bearing minerals with about 3 to about 3½ times its weight of an aqueous solution of an alkali hydroxide of about 75% concentration to form a pulp, heating said pulp at about 185° C. for about 24 hours to dissolve siliceous matter and carbonates thereby producing a mixture of beryllium hydroxide-containing residue and residual alkali hydroxide, filtering the beryllium hydroxide-containing residue from said mixture, treating said beryllium hydroxide-containing residue with an aqueous solution of sodium bicarbonate to dissolve the beryllium hydroxide therefrom without the use of acids, filtering to obtain a filtrate containing beryllium in solution, and precipitating beryllium hydroxide therefrom.

2,298,801
SELF-CLOSING BARREL FILLER
William Meyer, East Orange, N. J., assignor to A. W. Wheaton Brass Works, Newark, N. J., a corporation of New Jersey
Application October 4, 1941, Serial No. 413,600
11 Claims. (Cl. 226—127)



8. A faucet body having a valve port, said body including an air chamber aligned with said valve port, a faucet valve to close said valve port, a piston member carried by said faucet valve and slidable in said air chamber, spring means to move said piston member and faucet valve in valve port closing direction, air discharge means in communication with said air chamber including an outwardly opening check-valve, manipulatable means to move said faucet valve to open said valve port wtih accompanying movement of said piston member to expel air from said air chamber through said air discharge means and past said check-valve, and float controlled means for opening said check-valve for readmission of air into said air chamber, the float of which is located adjacent to the discharge portion of said faucet body.

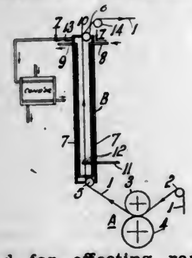
2,298,802
ACTUATOR
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application September 13, 1939, Serial No. 294,600
3 Claims. (Cl. 200—6)



2. A switch including in combination, a casing, electrically separate contacts mounted upon opposite faces of said casing, an end wall forming a part of said casing and provided with an opening, a stem extending through said opening and adapted to fulcrum against the edges of the same, a handle secured to said stem and positioned exteriorly of said casing, said stem extending between said contacts, said stem being rockable in one direction to engage one of said contacts and in an opposite direction to engage the other of the same, said stem moreover when rocked in a direction substantially at right angles to either of said first named directions simultaneously engaging both of said contacts, a movement limiting plate secured to said casing and formed with an opening through which said stem extends, said plate being disposed at a point

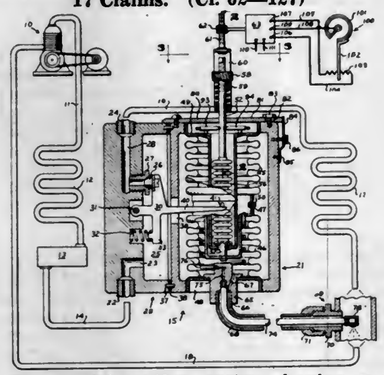
short of said contacts and the opening of said plate being of a size adequate to permit of said stem engaging said contacts; the opening being of sufficiently limited size to prevent said stem forcibly engaging said contacts to distort the parts and a series of radially extending springs disposed within said casing at a point adjacent said limiting plate, said springs serving normally to maintain said stem in a position free from engagement with either of said contacts; certain of said springs resisting movements of said stem in either of said first-named directions and others of said springs resisting movements of said stem in the right angular directions.

2,298,803
DRYING OF PRINTED MATTER
Herbert Newall Morris, London, England
Application February 8, 1938, Serial No. 189,296
In Great Britain March 3, 1937
11 Claims. (Cl. 101—416)



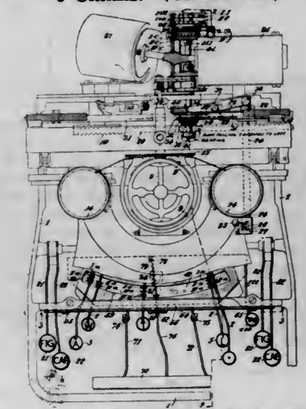
1. A method for effecting rapid drying of printed matter consisting in subjecting the surface of a single reach of paper immediately following the making of an impression thereon with a low volatile, non-toxic ink to the action of an atmosphere substantially free from air and containing superheated steam at a temperature above the boiling point of volatile constituents in the ink of the impression and below that which will damage the paper, and maintaining a current of superheated steam about the paper by continuously withdrawing from adjacent the paper, the steam and the volatile constituents removed from the ink by the action of the steam.

2,298,804
EXPANSION VALVE
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 26, 1938, Serial No. 231,684
17 Claims. (Cl. 62—127)



1. In a refrigerating system having a condenser, an evaporator and an expansion valve for controlling the flow of refrigerant from the condenser to the evaporator, the combination of, means for by-passing a small amount of refrigerant from the high pressure side of the expansion valve to the evaporator outlet, said means being arranged to cause condensation of said by-passed refrigerant, and means for controlling the position of the expansion valve in response to the rate of condensation of the by-passed refrigerant.

2,298,805
DIFFERENTIAL LETTER SPACING FOR TYPEWRITERS
Charles W. Norton, West Orange, N. J., assignor to Ralph C. Coxhead Corporation, New York, N. Y., a corporation of Delaware
Application June 23, 1939, Serial No. 280,708
9 Claims. (Cl. 197—84)

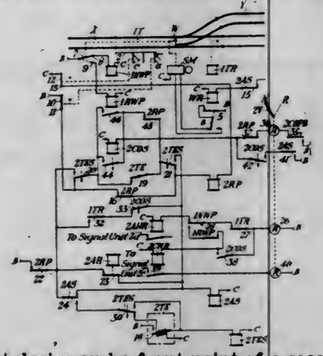


1. In a typewriting machine, in combination, a movable paper carriage, a plurality of differential letter space escapements operatively connected with said paper carriage, a plurality of universal bars operatively connected with said escapements, type keys in a keyboard, a plurality of push rods carried by said type keys, said universal bars being provided with notches, and means to shift said push rods relatively to said notches to determine the effective operation of said push rods on said universal bars when the type key is operated.

2,298,806
RAILWAY TRAFFIC CONTROLLING APPARATUS
John M. Pelikan, Chicago, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 22, 1941, Serial No. 416,007
4 Claims. (Cl. 246—161)

1. In a railway interlocking system of the class comprising, a railway track switch, a signal indicating proceed, slow speed, or stop, for governing traffic over said switch, an approach locking relay normally energized over a stick circuit completed when said signal is at stop and which relay when deenergized prevents operation of the switch, a time element device having a first time contact which is slow to close when said device is energized and having a second time contact which opens upon energization of said device and which is slow to close when said device becomes deenergized, a stick relay provided with a pick-up circuit including said first time

contact of said time element device, an energizing circuit for said time element device completed when said signal is at stop and including a back contact of said locking relay and a back point of a contact of said stick relay, a stick circuit for said stick relay including a front point of said contact of said stick relay, and a first pick-up circuit for said approach locking relay completed when said signal is at stop and including said second time contact of said time



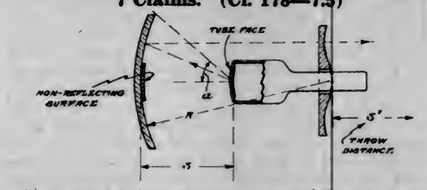
element device and a front point of a second contact of said stick relay; the combination with the foregoing apparatus of, a signal control relay effective when energized for causing said signal to indicate call-on, manually operable means for energizing said signal control relay, and an auxiliary pick-up circuit for said approach locking relay, said circuit including a front contact of said signal control relay and said front point of said other contact of said stick relay.

2,298,807
ERASING SHIELD
Fred W. Radel, South Orange, N. J.
Application September 20, 1941, Serial No. 411,619
3 Claims. (Cl. 120—41)



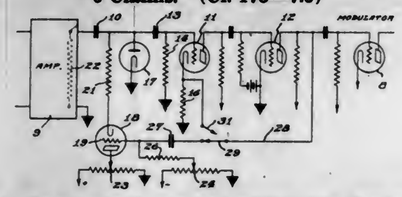
1. An erasing shield comprising a dihedral body having a rear part with a concave seating surface adapted to encompass part of the platen roller of a typewriter and a front part with a paper supporting surface of a considerably flatter curvature than said platen roller.

2,298,808
TELEVISION PROJECTION SYSTEM
Edward G. Ramberg, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 26, 1941, Serial No. 390,459
7 Claims. (Cl. 178—7.5)



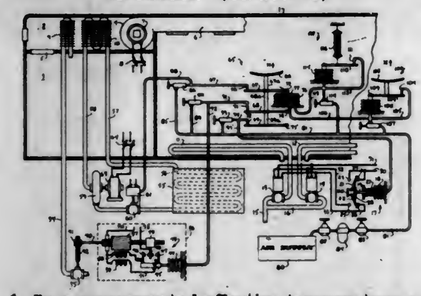
1. A projection system comprising a concave spherical mirror, a correcting plate positioned at least approximately at the center of curvature of said mirror, and a projection tube having an object surface therein which is positioned at a conjugate focus of the system and having a transparent refractive end or tube face of a certain thickness, said correcting plate being figured to correct both for the spherical aberration of the mirror and for the error introduced by said thickness of the tube face.

2,298,809
LOW FREQUENCY REINSERTING CIRCUIT
Henry E. Rhea, Medford, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 27, 1939, Serial No. 276,082
6 Claims. (Cl. 178—7.3)



1. In a circuit for reinserting lost frequency components of a composite signal comprising picture signal and regularly recurring control impulses of greater amplitude than the picture signals of like polarity, the combination of a condenser and rectifier means connected in series to form a charging circuit for said condenser, means for charging said condenser through said charging circuit in accordance with the height of said impulses as measured from the alternating current axis of said composite signal, a discharging circuit for said condenser, said discharging circuit including an electric discharge tube, and means for so applying said control impulses to said tube that the impedance thereof is lowered for the duration of said impulses.

2,298,810
CONTROL SYSTEM
Paul F. Shivers, Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 6, 1938, Serial No. 211,997
13 Claims. (Cl. 257—3)



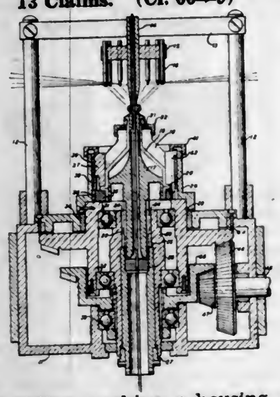
1. In a compensated effective temperature control system, in combination, a space thermostat including a control member actuated by a thermostatic element, diaphragm means for adjusting said space thermostat in a manner to vary the standard of temperature maintained thereby, an outside temperature responsive compensating thermostat including a first valve device for varying the pressure applied to said diaphragm means, a humidity compensating device including a second valve device for varying the pressure applied to said diaphragm means, and differential widening means for the temperature and humidity compensating devices, comprising pressure responsive devices responsive to pressure applied to said diaphragm means tending to oppose movement of said valve devices.

2,298,811
FISH LURE
Alexander Sisco, Kokomo, Ind.
Application May 13, 1941, Serial No. 393,259
8 Claims. (Cl. 43—42)



1. A fish lure comprising a body portion including upper and lower sections, one of which is formed of fibrous material and the other of sponge rubber, a reinforcing plate interposed between the sections and having its forward end projected longitudinally beyond the sections to form a tongue, and a hook secured to said reinforcing plate and disposed at the rear of the lure.

2,298,812
KNITTING MACHINE
Clyde N. Stover, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 9, 1938, Serial No. 218,301
13 Claims. (Cl. 66—9)

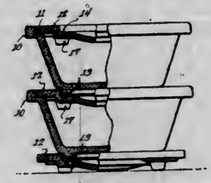


1. In a knitting machine, a housing, a cam, a cylindrical support for the cam journalled in one end of the housing, a needle cylinder, a cylindrical support for the needle cylinder journalled in the cam support and projecting therethrough, the projecting end of the cylinder support being journalled in the other end of the housing, and means for rotating both the cam support and cylinder support.

2,298,813
TREATMENT OF POLYMER SUBSTANCES
Luther B. Turner, Roselle Park, N. J., assignor to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application October 27, 1938, Serial No. 237,204
6 Claims. (Cl. 260—32)

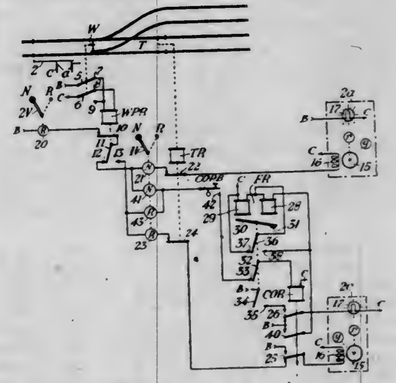
1. In the processing of high molecular weight plastic iso-olefinic polymers the step of kneading the polymers in the presence of an aqueous liquid within a temperature range of 40° F. to 90° F. until the aqueous liquid forms the discontinuous phase of an emulsion with the polymer as the continuous phase.

2,298,814
CASSEROLE
Albert M. Weis, Milwaukee, Wis.
Application January 25, 1939, Serial No. 252,720
2 Claims. (Cl. 65—59)



2. A dish cover having a rim adapted to seat within the dish to close the same, spaced feet on the under side thereof for coaction with a supporting surface to support said cover clear of said surface, and said cover having spaced recesses in the top thereof to receive the feet of another similar cover to thereby permit stacking of said covers.

2,298,815
RAILWAY SIGNALING APPARATUS
Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 20, 1941, Serial No. 415,744
3 Claims. (Cl. 246—219)

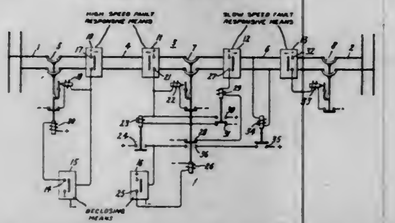


1. In a railway signal system of the class wherein a signal at times is steadily energized for providing one indication and is intermittently energized for providing a distinctively different indication, the combination with a signal, a checking relay, and a normally quiescent flasher relay of the type having its armature biased to one of its two extreme positions, of an energizing circuit for said checking relay completed through a contact of said flasher relay closed in the biased position of said armature, an energizing circuit for said flasher relay completed through a front contact of said checking relay, and a circuit for said signal including a contact of said flasher relay closed in the other of its said two extreme positions.

2,298,816
RECOVERY OF TAR ACIDS
Charles M. Ambler, Jr., Jenkintown, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application August 9, 1939, Serial No. 289,323
11 Claims. (Cl. 260—627)

1. In the recovery of tar acids from tar, the process comprising mixing the tar with an aqueous alkali metal hydroxide solution, separating the resulting aqueous alkali metal phenolate phase from the tar by centrifugation, concentrating the resulting aqueous alkali metal phenolate phase by evaporating water therefrom, adding carbon dioxide to the concentrated phenolate phase, separating the resulting alkali metal carbonate solution from the resulting tar acid phase, mixing the tar acid phase, from which the alkali metal carbonate solution has been separated, with a springing acid, separating the resulting tar acid phase from the resulting salt solution phase to obtain a tar acid phase substantially freed of salt solution, mixing the tar acid phase, from which said salt solution phase has been separated, with a solvent chosen from the class consisting of methyl alcohol, chloroform, carbon disulfide and sulfur dioxide to effect precipitation of coking constituents, thereafter removing said precipitated coking constituents from the solution of tar acids in said solvent, and separating the solvent and other impurities from the tar acids by distillation.

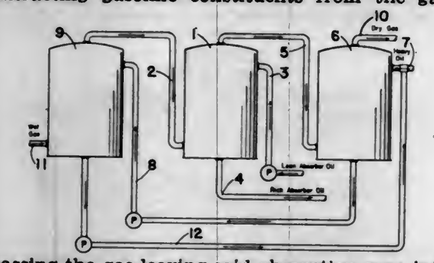
2,298,817
AUTOMATIC RECLOSING CIRCUIT BREAKER SYSTEM
Arvid E. Anderson, Media, Pa., assignor to General Electric Company, a corporation of New York
Application June 26, 1941, Serial No. 399,805
6 Claims. (Cl. 175—294)



1. In combination, two electric circuits, a circuit breaker interconnecting said circuits, means responsive to a fault on one of said circuits for opening and quickly reclosing said circuit breaker, means responsive to a fault on the other of said circuits for opening said circuit breaker, and means for reclosing said circuit breaker only in response to a predetermined electric condition of said other circuit when said circuit breaker is opened by said last-mentioned fault responsive means.

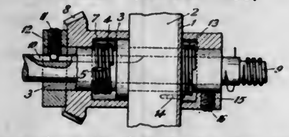
2,298,818
METHOD FOR RECOVERING LIQUIDS FROM GASES
Stuart E. Buckley, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 22, 1939, Serial No. 285,922
1 Claim. (Cl. 183—114.6)

A method for recovering hydrocarbons boiling within the gasoline range from a gas obtained from distillate wells under a pressure in the neighborhood of 2000 pounds per square inch containing them together with normally gaseous hydrocarbons which comprises passing the high pressure gas through an absorption zone countercurrently to a heavy hydrocarbon absorption menstruum boiling above the kerosene range and containing low boiling hydrocarbons capable of extracting gasoline constituents from the gas,



passing the gas leaving said absorption zone into a second absorption zone countercurrently to a hydrocarbon absorption menstruum boiling below the gas oil range, passing the gas leaving the second absorption zone and the menstruum leaving the first absorption zone countercurrently to each other in a third absorption zone and feeding the menstruum from the third absorption zone to the first absorption zone.

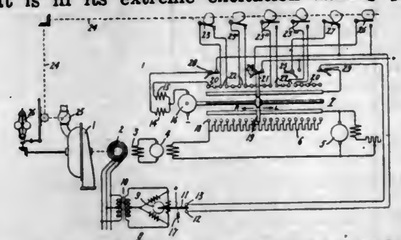
2,298,819
AUTOMATIC FEED DEVICE FOR THE THREAD GUIDE MEANS OF COP WINDING MACHINES
Albert Brügger, Horgen, Switzerland
Application February 3, 1942, Serial No. 429,430
In Switzerland November 6, 1940
6 Claims. (Cl. 242—158)



1. In an automatic fed device for the thread guide means of cop winding machines a screw spindle for intermittently feeding said thread guide means longitudinally thereof, a sleeve receiving said spindle and connected to same for rotation therewith, two coil springs mounted on said sleeve each adapted to be operatively coupled through its coil to a point extraneous to said sleeve for accordingly controlling said sleeve, a rotatable feed control member arranged on said sleeve, means for coupling the coil of one of said springs to said control member for said member to impart its rotational feed movement to said sleeve and through the latter to said spindle, and means for coupling the coil of the other said springs to a point being stationary relative to said sleeve for preventing said sleeve from sharing in the backward rotation of said control member while said spindle resets into initial position.

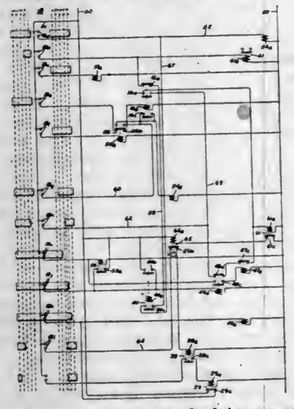
2,298,820
REGULATOR SYSTEM
Delmar D. Chase, Huntington Woods, Mich., assignor to General Electric Company, a corporation of New York
Application September 6, 1941, Serial No. 409,788
4 Claims. (Cl. 290—7)

1. In combination, a prime mover, a throttle therefor, a synchronous generator driven by said prime mover, a motor operated rheostat for controlling the excitation of said generator, a regulator for controlling said rheostat including a circuit for operating said rheostat in an excitation lowering direction, a switch having a moving contact operated by said rheostat and having a plurality of sets of cooperating spaced contacts arranged along its path of movement, said circuit being completed through said moving contact and the cooperating contact which is engaged by said moving contact when said rheostat is in its extreme excitation raising posi-



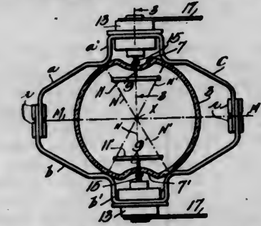
tion, a plurality of switches for respectively interconnecting said spaced cooperating contacts, and means responsive to the opening of said throttle for sequentially opening said switches so as progressively to disconnect said sets of cooperating contacts from each other starting with the last set of cooperating contacts at the excitation lowering end of the range of said rheostat whereby the amount of excitation lowering which said regulator can cause said rheostat to produce will decrease progressively as said throttle is opened.

2,298,821
CONTROL SYSTEM
James W. Cooke, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 14, 1942, Serial No. 426,735
14 Claims. (Cl. 172—152)



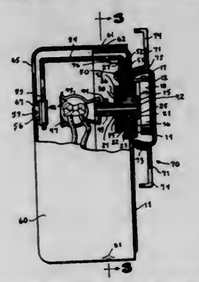
14. A control system for hoists comprising in combination, a series hoist motor, limit switch mechanism for disconnecting said motor from its source at a predetermined limit of operation of said hoist in the hoisting direction thereby to stop said hoist within a predetermined zone, a reversing type master switch for controlling the direction of rotation of said motor, said master switch having a plurality of speed controlling positions for the lowering direction, a plurality of electromagnetic switching devices operable in sequence in response to progressive operation of said master switch through said speed controlling positions for progressively adjusting the speed of said motor, means controlled by the operation of said limit switch for completing a dynamic braking circuit for said motor in the lowering direction and for interrupting the sequential operation of said switching devices while said hoist is within said zone and responsive to operation of said limit switch at said limit in the lowering direction for interrupting said dynamic braking circuit and resuming the sequential operation of said contactors.

2,298,822
ELECTRICAL CONNECTOR
Edward C. Conrad, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application August 30, 1941, Serial No. 409,006
4 Claims. (Cl. 250—27.5)



1. The combination with an electron discharge tube having a cylindrical section through which a pair of oppositely located electrode terminals extend, of an expansible ring-like member adapted to be fitted about said cylindrical section and having a pair of oppositely located terminal receiving connectors, said expansible ring having a contour such that when contracted it contacts said tube at a plurality of circumferentially spaced points intermediate said electrode terminals.

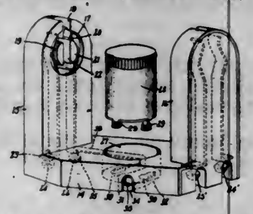
2,298,823
THERMOSTATIC SWITCH
Stephen Crum, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 13, 1939, Serial No. 299,315
21 Claims. (Cl. 200—139)



1. In a device of the character described, an assembly comprising a switch casing and a thermostat housing mounted on said casing outside thereof, said housing having a surface adapted to be placed against a body to whose temperature the thermostat is to respond, a thermostat in said housing, a switch in said casing actuated by said thermostat, and means for mounting said assembly so that said surface of the housing is

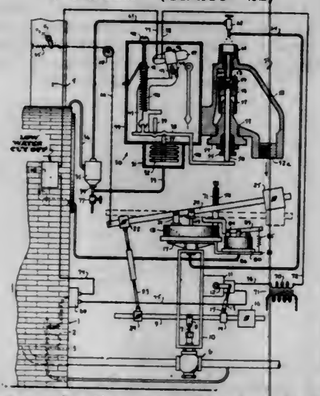
held against said body, said means being movable with respect to said assembly so that the assembly may be properly levelled when it is mounted.

2,298,824
LAMP SOCKET
William G. Darley, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application July 22, 1941, Serial No. 403,503
2 Claims. (Cl. 173—337)



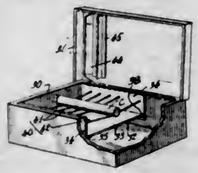
1. A socket for mounting a plurality of tubular lamps to secure a line of light comprising, in combination, a housing of insulating material having a base portion, said housing having holders projecting from said base, each of said holders being provided with receptacle means, said holders being arranged in spaced lateral offset relationship on said base with the receptacle means facing one another whereby a separate lamp may be mounted on each holder with the ends of the lamps lying in side by side overlapping relationship, and a receptacle including spaced contacts mounted on said base between said holders and adapted to receive an electric device, one of said contacts being electrically connected in series with one of said holders.

2,298,825
COMBUSTION CONTROL
Arthur C. Grant, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 23, 1939, Serial No. 252,386
9 Claims. (Cl. 236—21)



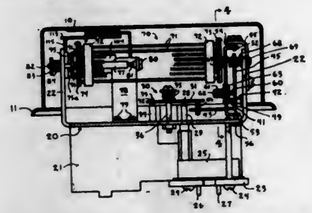
1. In a combustion control system for a steam boiler, in combination, firing means for said boiler, a controller for graduatingly controlling said firing means, a pressure actuated motor for actuating said controller, said controller including a pivotally mounted lever, a two position type motor for moving the pivotal mounting for said lever, said two position type motor having a first position in which the pivotal mounting is positioned so that the pressure actuated motor is placed in control of said controller and a second position in which the pivotal mounting is positioned so that said controller is positioned for substantially reducing the rate of combustion irrespective of said pressure actuated motor, a source of fluid, control valve means actuated in accordance with boiler pressure for graduatingly controlling the application of said fluid to said pressure actuated motor for thereby graduatingly positioning said controller, and a control device actuated in accordance with boiler pressure for controlling said two position motor in a manner to cause said motor to assume its first position when boiler pressure is below a predetermined value while assuming its second position when boiler pressure rises above said value.

2,298,826
SMOKER'S COMBINATION APPARATUS
Charles B. Grady, Sky Top, Pa.
Application December 15, 1939, Serial No. 309,440
3 Claims. (Cl. 131—237)



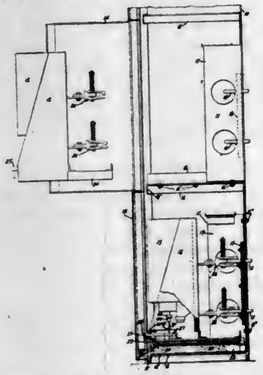
1. A light and portable cigaret and ash receiver comprising in combination, an oblong, freely portable and manually tiltable open-top box member adapted to be placed on a table and having a closed bottom and walls surrounding and closing the two sides and two ends; and a separate upwardly-removable interior oblong shallow tray member set down into position enclosed wholly within the box and substantially shorter than the interior length of the box and comprising a closed floor and upstanding side extensions and mounted permanently thereon in spaced relation elevated slightly above the tray floor, a cigaret rest consisting of spaced-apart cross-bars to support horizontally a cigaret suspended in air, the tray member being open-ended and having its floor smooth for the easy-sliding of ashes and butts endwise therealong towards and past the open end thereof; said box and tray members being mutually formed for the loose interior support of the tray member against longitudinal sliding in the box and with its floor at a predetermined elevation substantially below the top edge of the box and spaced substantially above the bottom of the box thereby to leave a concealed but accessible receiving compartment between the box bottom and tray floor, whereby the tray may be bodily lifted out from and set back down into its interior position between the box end walls or replaced by a new tray within the box at will, thus facilitating thorough access and cleaning of both portable box and removable tray; and the relative shortness of the tray within the box leaving at one end a downward ash passage of substantial length and width between one end edge of the tray floor and an end wall of the box, whereby at will the entire receiver may be manually reversely tilted to cause the transfer of accumulated ashes and butts from the tray floor through the downward passage into the concealed compartment between tray floor and box bottom.

2,298,827
HUMIDITY CONTROLLER
Frederick D. Joesting, Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 15, 1940, Serial No. 340,853
18 Claims. (Cl. 236—44)



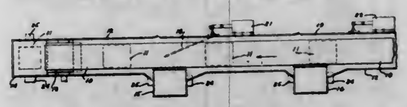
10. In combination, a flapper valve, a movable humidity responsive element for opening and closing said flapper valve in accordance with changes in ambient humidity, first adjustment means for varying the sensitivity of said element in relation to said valve, second adjustment means for varying the control point at which said element will act upon said valve, a strain release for preventing undue stress in said element, and means for preventing movement of said element in response to ambient temperature changes, said last means also providing a pivot for said adjustment means.

2,298,828
ELECTRIC SWITCHGEAR
Bertram W. Mahoney, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application June 4, 1940, Serial No. 338,750
6 Claims. (Cl. 175—298)



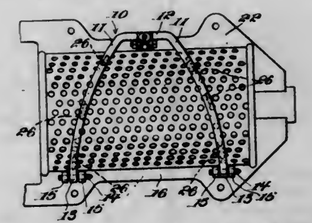
1. A switchgear of the type including a stationary housing, a separate intermediate unit arranged to be supported in said housing, a movable structure including a circuit breaker mounted thereon arranged to be moved horizontally in drawer fashion toward and away from said intermediate unit, primary disconnecting devices having cooperating members carried by said intermediate unit and said movable structure, said intermediate unit and removable structure being so constructed and arranged that all features of the stationary housing such as said primary disconnecting devices which require adjustment with respect to the movable structure may be adjusted prior to installation of said intermediate unit in said housing.

2,298,829
CONVEYER SYSTEM
Paul S. McCann, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 20, 1940, Serial No. 346,532
10 Claims. (Cl. 198—20)



1. In a conveyer system, a conveyer, a series of separate stations arranged to receive articles from the conveyer, means at one of said stations for diverting articles from the conveyer to said station, and means responsive to the presence of articles in another of said stations when accumulated therein beyond a predetermined point for operating said diverting means to divert articles to said first-mentioned station.

2,298,830
CORN SHELLER ATTACHMENT
John D. McGillis, Chippewa Falls, Wis.
Application August 13, 1941, Serial No. 406,679
1 Claim. (Cl. 130—6)

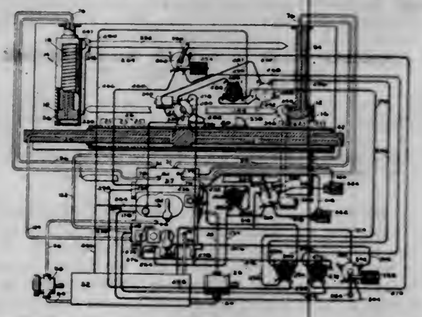


In a mill including a hopper, a rotatable working head in the hopper and longitudinal sills supporting the hopper, the improvement which consists of a frame having a pair of downwardly bowed diverging legs connected at the front ends by a cross bar, hinge eyes at the free ends of the legs, hinge eyes on the longitudinal sills, hinge pins engaged through said hinge eyes, spaced downwardly curved prongs on the under side of said cross bar, a latch bolt engaged between said prongs, means pivotally attaching the latch bolt to one of said sills, a semi-cylindrical screen supported by said legs and provided with openings arranged spirally therein, and projections on the screen engaging the said legs to provide a space between the screen and the legs to allow shelled corn to drop through the space between the legs.

2,298,831
POWER TRANSMISSION
Raymond S. Miller, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application February 23, 1938, Serial No. 191,903
4 Claims. (Cl. 60—52)

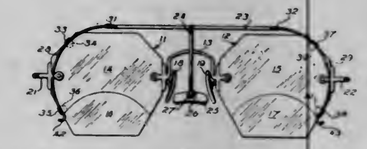
1. A unitary control panel for a hydraulic power transmission system having an oppositely movable main motor and an oppositely movable auxiliary motor comprising a pilot operable four-way valve for controlling the main motor, a four-way valve for controlling the auxiliary motor, flow controlling means for the main motor in series with the first valve, a relief valve for limiting the maximum pressure of fluid supplied

to the auxiliary motor and for at times by-passing such fluid at negligible pressure and a back pres-



sure valve for maintaining pressure on the fluid returning from the main motor.

2,298,832
DETACHABLE NOSEPIECE
Charles L. Mowrer, Hagerstown, Md.
Application September 28, 1940, Serial No. 358,915
2 Claims. (Cl. 88—41)

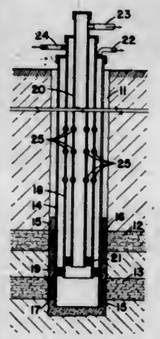


1. An elevating attachment for multifocal eyeglasses of the type having a conventional bridge extending between lens units containing reading and distance lens portions, said attachment comprising a rigid cross bar terminating at opposite ends in resilient levers of sufficient length and contour to extend substantial distances along the outer edges of the lens units, a nose engaging element mounted on a support member depending from the medial portions of said cross bar, clips on said resilient levers adapted to interfit with said lens unit edges to securely fasten the attachment to said eyeglasses and thereby hold the eyeglasses in elevated position with the reading lens portion in the direct straight ahead line of vision of the wearer, and means providing rigid outstanding finger grip projections adjacent the terminals of each of said resilient levers to enable the wearer to grasp said projections to exert considerable leverage for displacing said resilient levers laterally outwardly to laterally expand the attachment for swifty and safely mounting and dismounting said attachment.

2,298,833
LUBRICANT
Clifford W. Muessig, Roselle, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application March 28, 1940, Serial No. 326,400
5 Claims. (Cl. 252—58)

1. A lubricating composition comprising a lubricating oil blended with a minor proportion of a halogenated high molecular weight polymer of a normal mono-olefin containing 2 to 3 carbon atoms per molecule in a viscosity improving amount.

2,298,834
MEANS FOR PRODUCING OIL WELLS
Thomas V. Moore, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 24, 1940, Serial No. 336,907
4 Claims. (Cl. 103—4)



1. Means for producing fluid from a plurality of formations in a borehole comprising a casing arranged within said borehole provided with means for communication between each of said producing formations and the interior of the casing, a string of tubing arranged inside of the casing, a packer on said string of tubing between two producing formations arranged for sealing the annular space between said casing and said tubing, a second string of tubing arranged inside of said first string of tubing, a second packer arranged adjacent the lower end of said second string of tubing to seal the annular space between said first and second strings of tubing, means for injecting high pressure gas in the annular space between said first and second strings of tubing, gas inlet valves arranged on said first string of tubing to allow gas to flow from the annular space between said two strings of tubing into the annular space between said casing and said outer string of tubing.

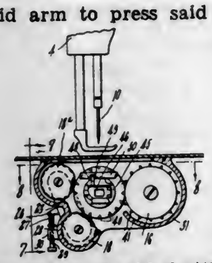
2,298,835
DENTAL IMPRESSION COMPOSITION
Stanley E. Noyes, Los Angeles, Calif.
No Drawing. Application November 7, 1941, Serial No. 418,167
6 Claims. (Cl. 18—47)

1. An impression material comprising a reversible gel-forming hydro-colloid base, an alkali metal perborate and manganese sulphate.

2,298,836
SEWING MACHINE
Floyd H. Ogden, Arlington, Mass., assignor to Wilcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application June 5, 1939, Serial No. 277,369
5 Claims. (Cl. 112—189)

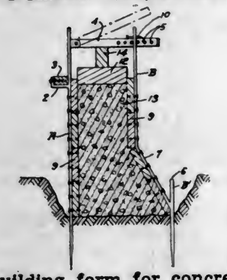
1. In a sewing machine, a shuttle, a driving wheel for said shuttle arranged with its periphery in engagement with the periphery of said shuttle, an idler journaled on a fixed pivot and engageable with the periphery of said shuttle angularly spaced from the engagement between said wheel and shuttle, a pivoted arm, a second idler journaled on said arm, means yieldingly

acting on said arm to press said second idler



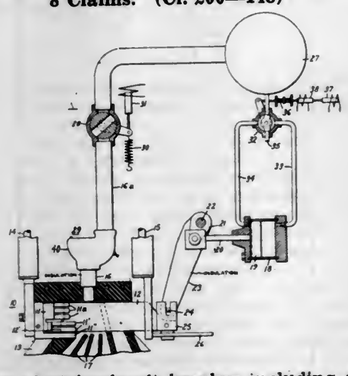
against the periphery of said shuttle, and means for driving said driving wheel.

2,298,837
CONCRETE FOUNDATION WALL FORM
James B. Oswald, Burlingame, Calif.
Application March 22, 1941, Serial No. 384,689
4 Claims. (Cl. 25—131)



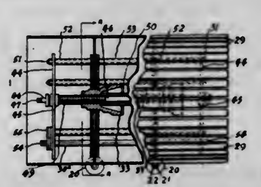
1. In a building form for concrete walls, the combination of a pair of metal stakes one of which has a driving portion with an angular offset form supporting portion having an upright extension parallel with and spaced from and extending above said driving portion, and a spreader and spacer bar carried by one of the stakes and engageable with the other to maintain the two stakes in proper relation, the stakes being provided with nail holes, and form members of wood nailed to the adjacent inner faces of the stakes, the nails passing through said nail holes.

2,298,838
ELECTRIC CIRCUIT INTERRUPTER
Robert Paxton, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application July 17, 1940, Serial No. 345,955
8 Claims. (Cl. 200—148)



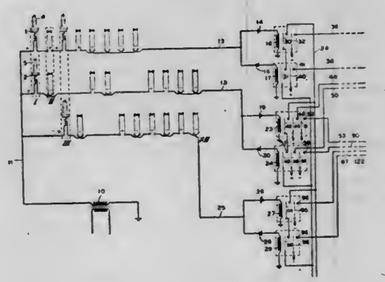
1. An electric circuit breaker including a pair of relatively movable contacts separable to draw an arc therebetween, a source of fluid under pressure, means for introducing a blast of said fluid adjacent said arc for arc-interrupting purposes, and means for causing a plurality of variations in only a portion of said fluid introduced during an interrupting operation.

2,298,839
FORM FOR CONCRETE ARCH CONSTRUCTIONS
William Alfred Porter, Red Hill, Brisbane, Queensland, Australia
Application September 17, 1940, Serial No. 357,172
In Australia October 30, 1939
15 Claims. (Cl. 25—131.6)



1. An improved form for arch concrete constructions consisting of several frames extending transversely of the form and spaced apart longitudinally of the form, a series of toms having radial movement in said frames and extending transversely of the form, laths at the extremities of said toms; stepped cones upon a central shaft passing through said frames; the inner ends of said toms bearing on the cones, means for moving said cones longitudinally for advancing or receding said toms; a flexible band around said laths and pawl controlled winding drums for tightening and loosening said band.

2,298,840
ALARM SYSTEM
Gerald G. N. Purcell, East Orange, N. J., assignor to American District Telegraph Company, New York, N. Y., a corporation of New Jersey
Application March 4, 1938, Serial No. 193,873
4 Claims. (Cl. 177—360)

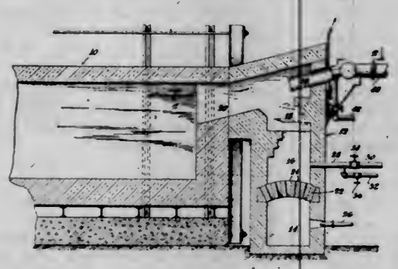


1. A signal system comprising a source of potential, a transmitting station and a plurality of lines connected thereto, said transmitting station including jacks and a portable key member comprising rectifier members adapted to be connected to said jacks for signaling over said lines.

2,298,841
TEXTILE FINISHING
Robert L. Pyner, Roselle, and Henry C. Paulsen, Elizabeth, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application October 28, 1939, Serial No. 301,778
3 Claims. (Cl. 8—136)

1. A method of finishing sheer knitted silk fabric to increase its strength and durability with preservation of texture and appearance, which comprises immersing said fabric into a dilute solution of solid polybutene polymers having molecular weights in the range from about 65,000 to 165,000 dissolved in a volatile organic solvent in a concentration from about 0.1% to 2%, removing excess of said solution from said fabric, and drying the thus treated fabric to remove any remaining solvent and to leave said polymers evenly deposited on the fibers of the knitted fabric in an amount within the limits of about 0.5% to 5.0% by weight of the thus treated fabric.

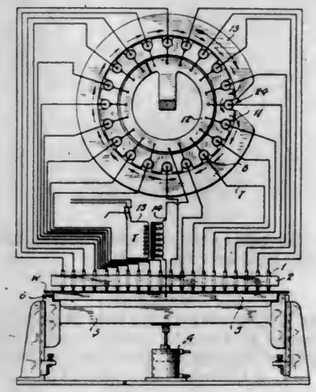
2,298,842
LUMINOUS FLAME FURNACE
Paul K. Richardson, Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application June 27, 1939, Serial No. 281,342
3 Claims. (Cl. 263—52)



2. The process for operating a furnace of the reverberatory type which comprises firing the furnace with a first mixture of natural gas and air directed into the main furnace chamber containing the material to be heated, burning a second mixture of natural gas and air in a chamber separate from the main furnace chamber to produce hot, substantially neutral combustion gases, conducting said combustion gases to and into the path of said first gas mixture, and introducing raw natural gas into said combustion gases prior to their intermixing with said first mixture of natural gas and air in order to crack said raw natural gas, whereby a highly luminous flame is produced in the main furnace chamber.

2,298,843
GANG SPOT WELDER
Robert Schiff, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 12, 1939, Serial No. 299,166
8 Claims. (Cl. 171—242)

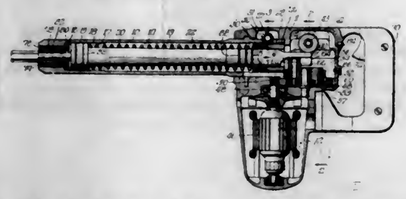
1. In a distributor, a plurality of electrical circuits, means for sending current through the circuits successively, comprising a moving impedance member having means to prevent or restrain the flow of current through all but selected load circuits at the moment.



2,298,844
LUBRICANT
Albert A. Schilling, Stratford, and Thomas B. Curran, Bridgeport, Conn., assignors to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Application February 15, 1940, Serial No. 319,106
16 Claims. (Cl. 252—56)

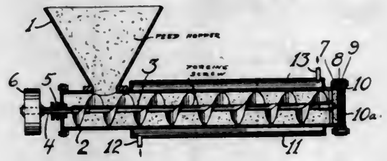
1. A substantially solid bullet lubricant including a mineral wax-like lubricant and not less than about 5% of a microcrystalline petrolatum wax.

2,298,845
IMPACT HAMMER
Joseph M. Schmied, Chicago, Ill., assignor to Skilsaw, Inc., Chicago, Ill., a corporation of Illinois
Application July 30, 1941, Serial No. 404,633
10 Claims. (Cl. 125—33)



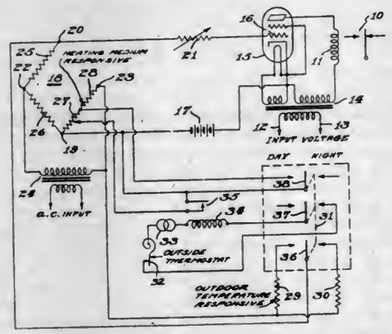
4. In an impact hammer having a housing and a reciprocable hammer member slidably mounted in said housing, means for varying the force of the blow to be given by said hammer member, said means including a compression spring operatively mounted at one end to said hammer member, a screw threaded portion in said housing adjacent the other end of said spring member, a threaded adjusting member for said spring mounted in said housing with its threads in operative engagement with the threaded portion of said housing and forming a stop member for the last mentioned end of said spring member, a helix on said adjusting member, and manual adjusting means meshing with said helix to turn said adjusting member along the screw threaded portion in said housing to compress or release tension on said spring member.

2,298,846
WAX-POLYMER BLEND MANUFACTURE
Arthur C. Skooglund, Clark Township, Union County, N. J., assignor, by mesne assignments to Jasco, Incorporated, a corporation of Louisiana
Application November 2, 1940, Serial No. 364,045
5 Claims. (Cl. 18—48)



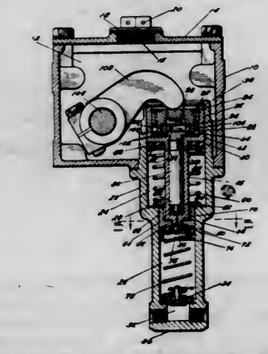
1. A process of homogeneously blending a wax with a linear high molecular weight hydrocarbon polymer susceptible to depolymerization and breakdown by heat and mechanical attrition, which comprises admixing the wax and the polymer to form a heterogeneous mixture thereof, compressing said admixed materials under a substantial pressure at a temperature sufficiently low to prevent substantial depolymerization of the polymer, and forcing the compressed materials to become sheared into slender solid pieces wherein said wax and polymer are blended.

2,298,847
HEAT CONTROL SYSTEM
Perry C. Smith, Breton Woods, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1940, Serial No. 316,629
2 Claims. (Cl. 236—91)



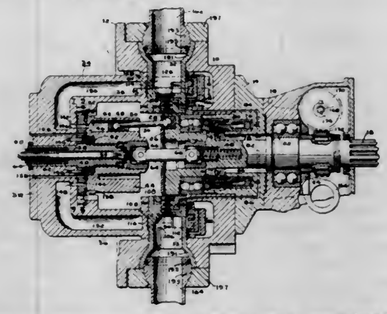
1. In a heat control system of the type wherein the balance of a bridge network is dependent on the potential drops of high temperature coefficient elements connected respectively in different arms of said bridge network and maintained respectively at outside and heating medium temperatures, the combination of a pair of zero temperature coefficient elements one of which is connected in series with said heating medium temperature responsive element, means for alternatively connecting said outside temperature responsive element or the other of said zero temperature coefficient elements in said network, and means for short-circuiting a predetermined portion of said series-connected zero temperature coefficient element in response to a predetermined critical value of said outside temperature.

2,298,848
FLUID PRESSURE PRODUCING DEVICE
Harvey C. Swift, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application October 5, 1940, Serial No. 359,965
7 Claims. (Cl. 60—54.6)



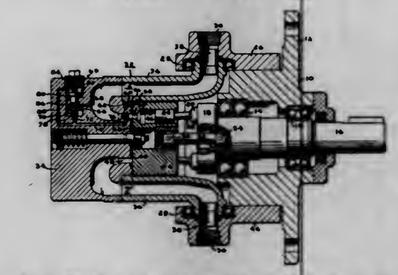
1. A fluid pressure producing device comprising a cylinder having a large chamber and a relatively small chamber, a piston reciprocable in the cylinder having a large piston and a small piston complementary to the chambers, a valve in each of the pistons normally open, the valve in the large piston operative to close upon initial movement of the piston, the valve in the large piston operative to open upon attaining a predetermined pressure in the chambers, and the valve in the small piston closing immediately upon opening of the valve in the large piston.

2,298,849
POWER TRANSMISSION
Harry F. Vickers and Kenneth R. Herman, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application March 30, 1939, Serial No. 265,012
4 Claims. (Cl. 308—9)



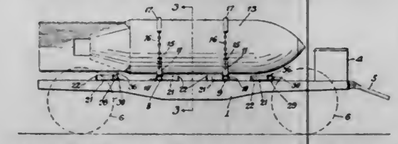
1. In a pump or motor device the combination of a stationary frame member and a rotary driving member and pumping or propelling mechanism of the type imposing an axial thrust between said members in proportion to the operating pressure of the device, an anti-friction thrust bearing between the two members and having sufficient load capacity to carry only a portion of the thrust at full load and speed, a slipper type thrust bearing between the two members, and means responsive to changes in operating pressure in the device for bringing one of the bearings into and out of operation.

2,298,850
PUMP OR MOTOR
Harry F. Vickers, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application August 30, 1939, Serial No. 292,563
3 Claims. (Cl. 103—162)



1. In a fluid pressure energy translating device having a plurality of cylinders and pistons reciprocable therein, a rotary valve structure comprising two relatively rotatable members provided with flat, annular, sealing surfaces in running engagement and containing fluid distributing ports communicating with said cylinders, means forming an auxiliary bearing surface between said members, and means for feeding fluid from one distributing port of the valve to the auxiliary bearing at a constant volumetric rate under sufficient pressure to maintain the members out of metal-to-metal contact, said means including a valve responsive to pressures existing intermediate the distributing port and the auxiliary bearing for regulating the flow to the auxiliary bearing.

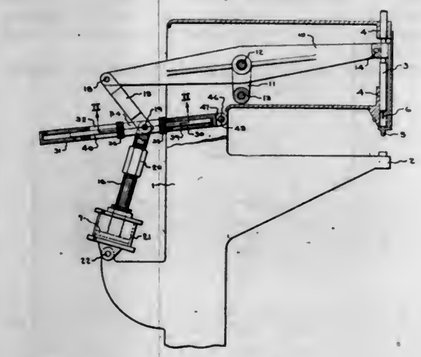
2,298,851
TRAILER
Lester W. Wachter, Streator, Ill., assignor to Anthony Company, Streator, Ill., a corporation of Illinois
Application July 10, 1941, Serial No. 401,723
8 Claims. (Cl. 280—179)



1. In combination, in a load holding assembly, a support, a plurality of racks, pivotally mounted on said support and including a central rack, and a plurality of end racks, each of said racks comprising a longitudinal shaft like member, on said support, and comprising load engaging parts, said central rack having sets of load engaging parts, positioned on its longitudinal member at an angle from each other, each of said end racks having a single set of load engaging parts.

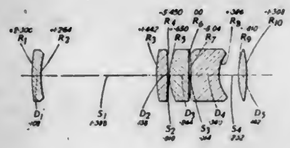
2,298,852
ACTUATING MECHANISM FOR RIVETING MACHINES
Loyd A. Ward, Jackson, Mich., assignor to Tomkins-Johnson Co., Jackson, Mich., a corporation of Michigan
Application April 24, 1937, Serial No. 138,736
12 Claims. (Cl. 78—49)

1. In a riveting machine a rivet set, means to actuate said set to project a rivet for receiving work to be riveted, and independent means op-



erable after an elapsed time interval, to actuate said set to upset said rivet.

2,298,853
OPTICAL OBJECTIVE
Arthur Warmisham, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application November 5, 1940, Serial No. 364,453
In Great Britain November 9, 1939
11 Claims. (Cl. 88—57)

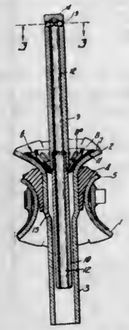


1. An optical objective corrected for spherical aberration, coma, astigmatism and distortion and comprising five axially aligned simple lens elements separated by air spaces of which the first and the fourth (counting from the front) are divergent elements whilst the other three are convergent elements, the front divergent element consisting of a meniscus lens with both surfaces convex towards the front and having a focal length numerically greater than 1.5 and less than 6 times the equivalent focal length of the whole objective, whilst the front surface of the other divergent element has a radius of curvature greater than that of the rear surface thereof, the air space between the front two elements having an axial length not less than the equivalent focal length of the objective and not greater than 3.5 times the equivalent focal length.

2,298,854
BEVERAGE BREWING DEVICE
Frank E. Wolcott, West Hartford, Conn., assignor to The Silex Company, a corporation of Connecticut
Application February 18, 1939, Serial No. 257,215
3 Claims. (Cl. 53—3)

1. For a beverage brewer of the character described, a device comprising a hollow rod including an upper section having a closed end and orifices adjacent said end extending later-

ally from the interior thereof, a lower section,

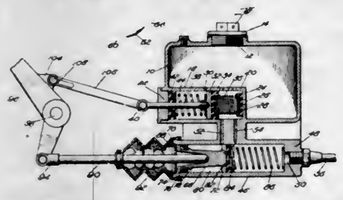


and a cup-shaped spirally slotted member secured between said upper and lower sections.

2,298,855
LUBRICANT
Donald L. Wright, Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application October 21, 1939, Serial No. 300,565
5 Claims. (Cl. 252—56)

1. A steam cylinder lubricant comprising in combination a steam reduced cylinder oil having a viscosity of at least 100 seconds Saybolt at 210° F., in combination with a minute quantity of polyisobutylene dissolved therein together with from 3% to 20% of auxiliary fatty material.

2,298,856
FLUID PRESSURE BRAKING SYSTEM
Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Original application September 20, 1937, Serial No. 164,636, now Patent No. 2,201,518, dated November 21, 1939. Divided and this application December 14, 1939, Serial No. 309,251
2 Claims. (Cl. 60—54.6)



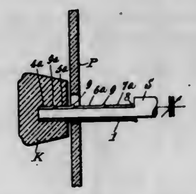
1. In a fluid pressure braking system including a reservoir, a fluid pressure producing device supplied therefrom and means for actuating the device, a pump in the reservoir below the fluid level including a chamber having an inlet communicating with the reservoir and outlets in continuously open communication with the pressure producing device, a piston reciprocable in the chamber, a spring imposing a load on the piston, and means connecting the piston to the actuating means including an overrunning connection for automatically operating the piston to maintain a positive pressure on the fluid in the system, said inlet controlled by a valve in the pump chamber spring-loaded by the piston to normally inhibit passage of fluid therethrough.

2,298,857
BOILER FLUE PROTECTOR
Charles C. Clark, Columbus, Ohio
Application August 2, 1940, Serial No. 349,615
1 Claim. (Cl. 122—115)



An expansible refractory member for use in lining the flues of a tubular water boiler comprising an asbestos paper sheet convoluted into an elongated tubular body conforming to the contour of the bore of the flues, and a collar of asbestos paper convolutions secured about the outer wall adjacent one end of the body member.

2,298,858
CONTROL ELEMENT
Frederick L. Creager, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 1, 1940, Serial No. 332,771
7 Claims. (Cl. 287—53)

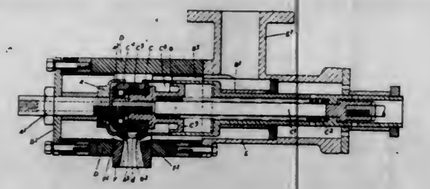


1. A knob having a sleeve projecting from the base thereof and adapted to receive a shaft end, said sleeve comprising a plurality of discrete pairs of clamping elements constituted of spring material terminating adjacent the axis of said shaft and adapted to exert a clamping force upon said shaft at spaced areas along the surface thereof.

2,298,859
ALTERNATING CURRENT ELECTRIC CIRCUIT BREAKER
Archibald Allan, Whitley Bay, and Donald Foster Amer, Newcastle-on-Tyne, England, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a company of Great Britain
Application November 12, 1940, Serial No. 365,368
In Great Britain November 13, 1939
8 Claims. (Cl. 200—148)

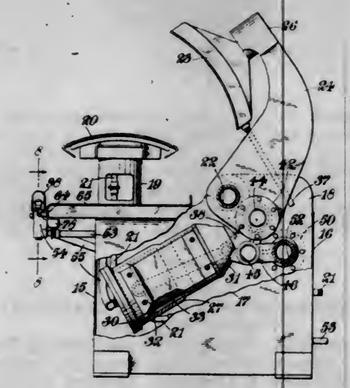
1. An A. C. electric circuit-breaker, comprising in combination a casing, relatively movable contacts within the casing, means for separating the contacts, a gas-out flow member in the wall of the casing having a nozzle throat, a source of gas under pressure, means whereby on opening of the circuit-breaker gas is admitted from the source to the casing at high pressure and escapes in the form of a powerful blast through the nozzle throat, spaced arcing tips separate from the gas-outflow member and associated with the contacts and between which the arc formed on separating the contacts extends, such arcing tips being located close to the nozzle throat on the high pressure side thereof in such positions that the arc-gap between them extends across the entrance to the nozzle throat transversely to the direction of flow of the gas-blast through the throat, and passages leading from

the interior of the casing around at least one of the arcing tips to the nozzle throat and separating such arcing tip from the surface of the gas-flow member, the arrangement being such that



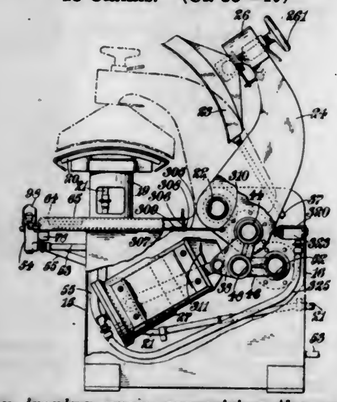
the gas-blast will flow not only through the arc-gap between the arcing tips but also through the said passages and thence out from the casing through the nozzle throat thereby cooling and deionising the arc path.

2,298,860
IRONING PRESS
Stephen Evans Alley, Christopher Stanley Gardner, and Stephen Eric Alley, Shrewsbury, England
Application June 24, 1941, Serial No. 399,571
In Great Britain March 28, 1940
6 Claims. (Cl. 38—40)



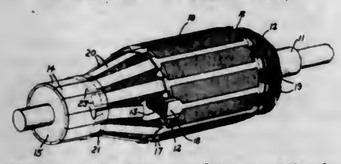
1. An ironing press comprising in combination a movable pressing head, a co-operating buck, a piston head, a trunk reaching from one face thereof, a two-diameter cylinder, the larger and smaller parts of which closely fit the piston head and piston trunk respectively and the diameter of which trunk is such that the opposed exposed faces of the piston head in the larger part of the cylinder are of different areas, means for admitting fluid pressure at will to and shutting it at will off from that end of the larger part of the cylinder to which the piston face of larger area is directed and for admitting fluid pressure continuously to the other end of the larger part of the cylinder, and means connecting the piston head to the movable head in such manner that fluid pressure on the piston face of larger area operates to bring the movable head into operative position and apply the ironing pressure, and that fluid pressure on the piston face of smaller area operates to bring the movable head out of operative position.

2,298,861
IRONING PRESS
Stephen Evans Alley, Christopher Stanley Gardner, and Stephen Eric Alley, Shrewsbury, England
Application June 24, 1941, Serial No. 399,572
In Great Britain March 28, 1940
13 Claims. (Cl. 38—40)



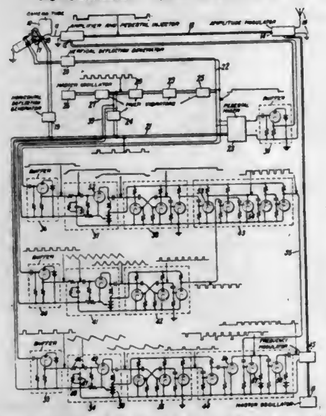
1. An ironing press comprising the combination with a movable pressing head and a co-operating buck of an arm constituting a mounting for the movable head, a mounting for the co-operating buck, a fluid-pressure-operated piston for operating the movable head, a toggle, a toggle anchorage, a connecting rod connecting the piston to the junction of the toggle links, means connecting the other ends of the toggle links respectively to the said pressing head arm and anchorage in such manner that the head and buck are brought together and the ironing pressure applied by the piston moving the links towards their straight-line setting, means for varying the ironing pressure between the head and buck by varying the setting of one of said members in its mounting in relation to the other said member in the direction to vary the timing of the stalling of the piston pressure in relation to the movement of the toggle links towards their straight-line setting, a visual pressure indicator, and means connecting said indicator to the piston connecting rod to move with the toggle links as the latter move towards their straight-line setting, in such manner as to indicate the ironing pressure as measured by the angle subtended by the toggle links.

2,298,862
DYNAMOELECTRIC MACHINE CONSTRUCTION
Harry W. Balz and Lawrence F. Hemphill, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York
Application August 12, 1941, Serial No. 406,452
12 Claims. (Cl. 171—206)



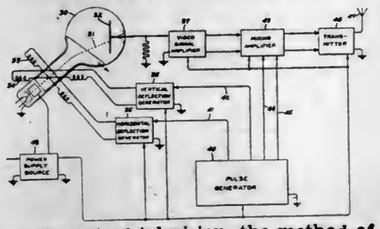
1. A dynamo-electric machine rotatable member including a core having winding slots therein, conductors forming a winding in said slots, a commutator, means including a lead connected to said winding and being formed and arranged in contact with said commutator for exerting a biasing force radially inwardly on said commutator and for providing an electrical connection between said winding and said commutator, and insulation arranged about said lead in said slot.

2,298,863
IMAGE TRANSMISSION SYSTEM
Everhard H. B. Bartelink, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York
Application April 24, 1940, Serial No. 331,349
19 Claims. (Cl. 178—7.2)



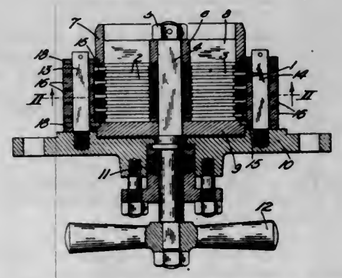
1. The signaling method which comprises producing a wave, modulating the amplitude of the wave intermittently in accordance with a signal, modulating the frequency of the wave in accordance with a second signal in the intervals between modulation of the amplitude of said wave, transmitting said wave so modulated to a receiving position, reproducing said first signal from the amplitude modulation of said wave, transmitting only the portions of said wave above a magnitude sufficiently great substantially to eliminate amplitude modulation of said portions, and reproducing said second signal from the frequency modulation of said transmitted wave portions.

2,298,864
SYNCHRONIZING SYSTEM
Everhard H. B. Bartelink, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York
Application September 10, 1940, Serial No. 356,155
22 Claims. (Cl. 178—7.2)



1. In the art of television, the method of providing a composite synchronizing signal for use in a system employing interlaced scanning comprising the steps of developing first synchronizing pulses recurring at a frequency f_h equal to the line scanning frequency or an integral multiple thereof and synchronized with successive scanning lines, interrupting said pulses during the time intervals between successive picture fields, developing equalizing pulses during said last mentioned intervals recurring at a frequency knf_h, where k is an integer and n is the number of interlaced picture fields in which the picture area is completely scanned once, interrupting said equalizing pulses during an intervening portion of each of said last mentioned intervals, developing second synchronizing pulses during said intervening portions recurring at a frequency $pknf_h$, where p is an integer greater than one, and combining said pulses to form a composite synchronizing signal.

2,298,865
STRAINING OR FILTERING APPARATUS FOR LIQUIDS
William Robert Beldam, London, England, assignor to Auto-Klean Strainers Limited, London, England, a company of Great Britain
Application February 9, 1940, Serial No. 318,169
In Great Britain April 11, 1939
3 Claims. (Cl. 210—152)

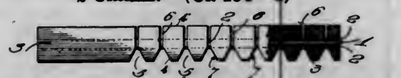


1. Straining apparatus comprising a cylindrical straining wall composed of a plurality of axially spaced ring elements, a plurality of supports spaced at substantially equal distances apart around the outside of the straining wall, cleaning blades mounted upon and spaced axially apart on said supports and operatively extending into the spaces between said ring elements, with the blades on each support extending into different spaces and the remaining blades extending into every other space, said ring elements mounted for rotation relative to the blades and their supports, and means for effecting such rotation, said cleaning blades being operative on relative rotation between said ring elements and blades, to clear the spaces between the ring elements.

2,298,866
RESINOUS COMPOSITION
Robert E. Burnett, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 3, 1940, Serial No. 359,550
10 Claims. (Cl. 260—51)

1. A composition of matter comprising the product of reaction of a mixture comprising (1) an aldehyde and (2) a condensation product of (*a*) an alkaryl ester selected from the class consisting of alkaryl phosphates and carbonates containing reactive halogen in the alkyl radical thereof and (*b*) a phenol selected from the class consisting of phenol and monosubstituted phenols.

2,298,867
METHOD OF MAKING CUT TOOTHED POWER TRANSMISSION BELTS
Richard Y. Case, Philadelphia, Pa., assignor to L. H. Gilmer Co., Philadelphia, Pa., a corporation of New Jersey
Application March 13, 1941, Serial No. 383,236
2 Claims. (Cl. 154—4)

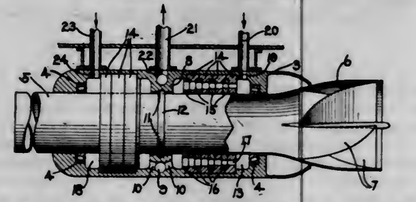


1. The method of making a cut toothed power transmitting belt, which consists in forming an elastic neutral zone section comprising one or more rows of inextensible pull cords invested in a soft rubber body, enclosing the top, bottom, and sides of said neutral zone section in a surrounding casing formed of a vulcanizable material, then vulcanizing the casing to a degree such as to render the same relatively hard and inflexible against compression or expansion, and then transversely dividing the casing so as to form a continuous series of block-like members on the tension side of the neutral zone section and so as to form a continuous series of projecting teeth on the compression side of the neutral zone section, each tooth being arranged in transverse alinement with a companion block member and integral therewith so as to be entirely separated from the adjacent teeth by the intervening transverse divisions to adapt the belt to flex solely upon the neutral zone section on lines between adjacent pairs of companion teeth and block sections.

2,298,868
SYNTHETIC POLYAMIDE FILAMENTS OF HIGH IMPACT STRENGTH AND PROCESS OF MAKING SAME
Willard E. Catlin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 3, 1940, Serial No. 327,735
7 Claims. (Cl. 18—54)

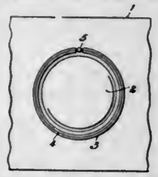
1. A process for improving by at least 25% the impact strength of an oriented synthetic linear polyamide filament, which comprises multiple die-drawing said filament to about 46% of its original diameter with at least one-half of the reduction in cross-sectional area of said filament being accomplished before the last die-drawing, subjecting said filament to treatment with a non-solvent swelling agent therefor, heating said treated filament in a relaxed condition for at least .2 hours while permitting free axial shrinkage of the filament and terminating said heating prior to a decrease in tensile strength of said filament of more than 30%.

2,298,869
MARINE PROPELLER
Byron A. Cogswell, Grand Rapids, Mich.
Application November 12, 1940, Serial No. 365,185
5 Claims. (Cl. 115—34)



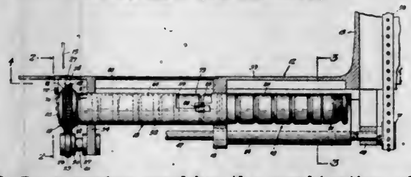
1. A marine propeller comprising, a housing, an elongated tube rotatably mounted within said housing and extending beyond one end thereof, a propeller mounted within said tube, secured thereto and rotatable therewith, and means within said housing to rotate said tube and propeller.

2,298,870
TELEVISION RECEIVER
Arthur Henry Cooper, Iver, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application December 12, 1940, Serial No. 369,773
In Great Britain August 24, 1939
7 Claims. (Cl. 178—7.5)



1. A television receiver comprising a cathode ray tube having a luminescent target area to be viewed, a masking surface surrounding the screen and an illuminating means positioned adjacent the target area and surrounding the masking surface in the area adjacent the target for illuminating the masking surface and thereby reducing contrast and eye-strain.

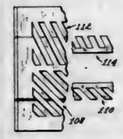
2,298,871
SEWING MACHINE
Donald A. Cumfer, Ridgewood, N. J., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application November 8, 1940, Serial No. 364,760
19 Claims. (Cl. 112—186)



2. In a sewing machine the combination of a rotary hook member for engaging a needle thread loop, having a bobbin case receiving chamber therein, said chamber having opposed bobbin case receiving and bobbin case expelling openings; means for receiving a plurality of bobbin cases and directing the same to said chamber; means for releasably maintaining a bobbin case in a predetermined position axially in said chamber; and a single means for, in a single movement in one direction, urging a bobbin case from said receiving and directing means through said receiving opening into said predetermined position in said chamber and for ejecting a bobbin case initially in said chamber through said expelling opening from said chamber and said rotary hook member.

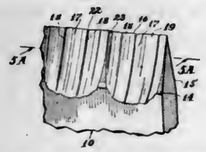
2,298,872
DRY SHAVER
Godfrey Dalkowitz, Brooklyn, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application August 10, 1938, Serial No. 224,017
19 Claims. (Cl. 30—43)

1. In a dry shaver, a pair of relatively movable coacting cutting members, at least one of said members having a cutting edge disposed at an angle other than a right angle to the direction of relative movement and another cutting edge disposed at a different angle other than a



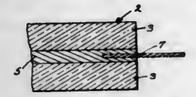
right angle to the direction of relative movement, and the other of said members having a cutting edge disposed at an angle other than a right angle to the direction of relative movement.

2,298,873
PILE WIRE
Godfrey Dalkowitz, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application July 16, 1941, Serial No. 402,641
1 Claim. (Cl. 139—44)



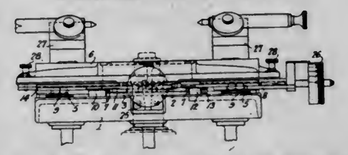
A pile wire blade having a bevelled edge defined by two angularly related surfaces intersecting to form the cutting edge, one of said surfaces being grooved at spaced intervals along its length and transversely of said cutting edge to provide portions of reduced thickness separated by ridges in alternation therewith lengthwise of the bevelled edge said portions being each thinned down at the cutting edge to a feather edge, the portions of reduced thickness being closely contiguous at the cutting edge so that the outermost edges of said thinned out portions form a continuous and uninterrupted cutting edge running lengthwise of the blade, and is comprised substantially for its full length of these feather edges.

2,298,874
LAMINATED GLASS AND MOUNTING THEREFOR
Brook J. Dennison, Aspinwall, and Frank F. Painter, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application December 28, 1940, Serial No. 372,106
3 Claims. (Cl. 20—56)



1. In a closure structure for an opening in a wall, an interlayer of organic plastic, glass plates bonded on opposite sides of the interlayer and defining therewith a laminated unit, and flexible sheet metal in strip form running longitudinally of border portions of the laminated unit and anchored in the plastic interlayer between the glass plates adjacent their edges, said sheet metal extending beyond the edges of the glass plates constituting flexible connecting elements for mounting the laminated unit.

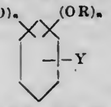
2,298,875
COORDINATE MEASURING MACHINE
John Hendri Dowell, London, England, assignor to Adam Hilger Limited, London, England
Application July 8, 1941, Serial No. 401,527
In Great Britain May 14, 1940
5 Claims. (Cl. 33—174)



1. A machine for making measurements in two directions at an angle comprising a base; a carriage for supporting an object to be measured; a first intermediate piece; means guiding the first intermediate piece to move in a first direction on said base; a second intermediate piece; means guiding said second intermediate piece to move on said first intermediate piece in a direction at an angle to said first direction; means mounting said carriage for angular movement relative to said second intermediate piece; means for maintaining said carriage in angularly adjusted position; and means independent of said intermediate pieces for supporting said carriage directly on said base for movement on said base under control of said intermediate pieces.

2,298,876
STABILIZED DRY ROSIN SIZE
Arthur C. Dreshfield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 4, 1940, Serial No. 368,454
7 Claims. (Cl. 106—218)

1. A stabilized dry size composition comprising saponified rosin and, as an anti-oxidant therefor, a compound of the general formula

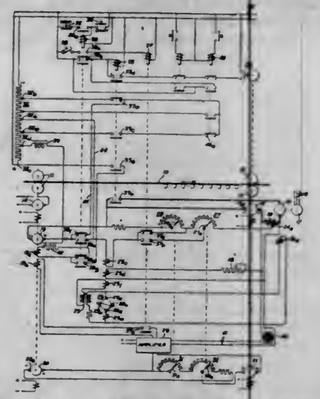


wherein Y represents an unsaturated aliphatic hydrocarbon radical, R and R′ each represents one of the group consisting of hydrogen and a lower alkyl radical, and n and n' represent integers whose sum is less than 4, said anti-oxidant being present in an amount sufficient to render the composition substantially resistant to oxidation.

2,298,877
CONTROL SYSTEM
Martin A. Edwards, Scotia, and Francis Mohler, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application March 22, 1941, Serial No. 384,718
11 Claims. (Cl. 172—239)

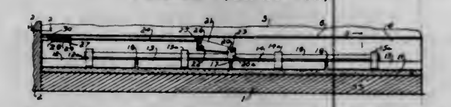
1. A control system comprising in combination an electric motor, means for controlling the excitation of said motor comprising a dynamoelectric machine having a control field axis, means for producing a control voltage comprising a generator having a field winding, a source of voltage, a reactance device and means for connecting said field winding to said source in series relationship with said reactance thereby to control the rate of rise of the voltage of said generator, means for producing a voltage proportional to

the speed of said motor, and means responsive to said voltages for producing a net excitation along said control field axis thereby to accelerate



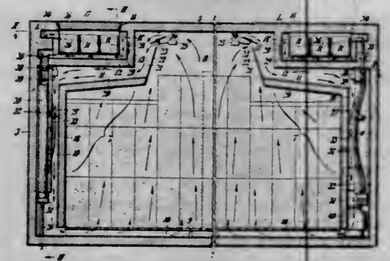
said motor to a speed having a predetermined relationship to the voltage of said generator.

2,298,878
WEATHER STRIP
Albert Egli, San Jose, Calif.
Application December 17, 1940, Serial No. 370,508
1 Claim. (Cl. 20—68)



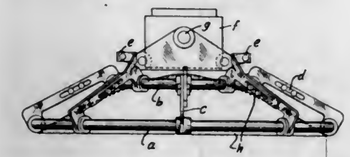
A weather strip assembly comprising, supporting mountable upon the bottom of a door to extend the length thereof, a vertically movable and substantially horizontal bar disposed lengthwise thereof intermediate its length, means operative to lift the bar mounted on the supporting means and pivotally connected to the central portion of the bar, a flexible threshold strip having its top edge reinforced with longitudinally spaced rigid members disposed below said bar, and a vertically slidable lifting connection between the center of each member and the overlying bar.

2,298,879
REFRIGERATOR CAR
Warren R. Elsey, Wynnewood, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 4, 1942, Serial No. 441,607
9 Claims. (Cl. 62—91.5)



1. A refrigerator car or the like including a cold storage compartment; a bunker for ice below the car roof adjacent one of the car walls; a reticulate false floor setting apart a horizontal airflow passage in the bottom of the compartment; a partition defining a flue which extends upward of said wall from the horizontal airflow passage and which communicates at the top with said compartment; and a closed convection circuit means for a secondary refrigerant in the form of a radiator comprising a top header in contact with the ice in the bunker, a bottom header within the lower part of the flue, a vertical down-flow pipe extending down from the bottom of the top header through the flue to the bottom header, and a vertical up-flow pipe extending up from the lower header in the flue and connecting into the top header at a higher level, and heavy insulation surrounding the down-flow pipe throughout its length to prevent the fluid therein from being influenced by temperature changes in the air passing through said flue for maintenance of a temperature differential to promote circulation of the secondary refrigerant in said convection circuit.

2,298,880
ROTATION SYMMETRIC REFLECTOR
Walter Gartenmeister, Bergfeld, Germany; vested in the Alien Property Custodian
Application December 10, 1940, Serial No. 369,441
In Germany March 16, 1939
6 Claims. (Cl. 250—11)



3. An electro-magnetic reflector subjected to undesirable secondary stray lobes in the normal operation thereof, comprising a curved electromagnetic reflecting surface, means for changing the focal length of said reflecting surface including a plurality of coaxial rings, and a plurality of radially mounted braces having adjusting means for adjusting the curvature of said reflecting surface to prevent occurrence of said undesirable stray lobes.

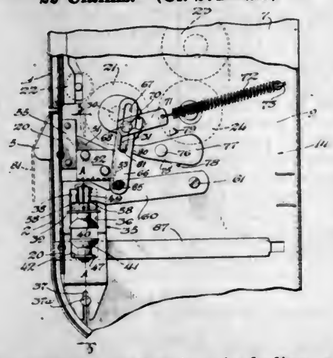
2,298,881
ANTIOXIDANT
Carlin F. Gibbs, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application February 6, 1941, Serial No. 377,692
14 Claims. (Cl. 260—810)

2. The method of preserving rubber which comprises treating a rubber with a compound having the structural formula

$$R-\overset{\overset{O}{\|}}{\underset{\underset{O}{\|}}{S}}-R'=(OH)_2$$

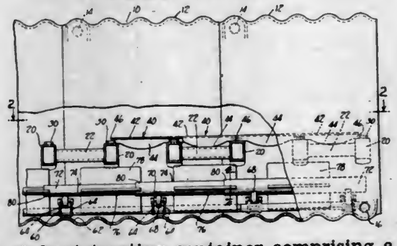
wherein R represents an organic radical with the free valence on a carbon atom, R' represents a radical with the free valence on a benzenoid ring, said radical containing an aromatic nucleus of the class consisting of nuclei of the benzene, naphthalene, and biphenyl series, and the two hydroxy groups are in the para position on a benzenoid ring.

2,298,882
STOP MECHANISM FOR DISPENSING CABINETS
Albert C. Grunwald, River Forest, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application January 14, 1941, Serial No. 374,367
29 Claims. (Cl. 271—2.3)



1. A time-stop mechanism including a slide-stop having openings therein alined on a midline extending in direction of reciprocation, a support entering one of the openings and cooperating therewith as a guide for the slide, a timer having a part on the support adapted to engage with a second part carried by the slide when the stop is in stopping position, means adapted to hold said parts together during and release them at the end of a time period, and means entering the second opening and cooperating therewith as a guide.

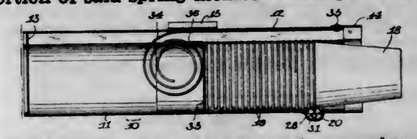
2,298,883
CARBURIZING CONTAINER
Henry H. Harris, Champaign, Ill.
Application April 25, 1941, Serial No. 390,273
9 Claims. (Cl. 266—5)



1. A heat treating container comprising a cylindrical shell, a plurality of arched cross beams disposed and secured within the shell in spaced relation to the container floor and to each other, a plurality of track members keyed onto said arched beams, and means to support each of said track members at a common level.

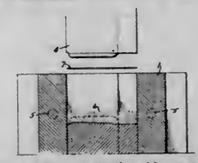
2,298,884
CUP DISPENSING DEVICE
Samuel N. Hope, Wauwatosa, Wis., assignor to Griffith-Hope Company, West Allis, Wis., a corporation of Wisconsin
Application May 15, 1939, Serial No. 273,628
1 Claim. (Cl. 312—44)

In a dispensing device, a support adapted to hold a succession of articles to be dispensed and having a channel extending therealong and including opposite walls, and means for urging said articles toward dispensing position comprising an elongated spring member normally urged by its resiliency to a spirally coiled condition and secured at its outer end to said support, the coiled portion of said spring member tending to roll up



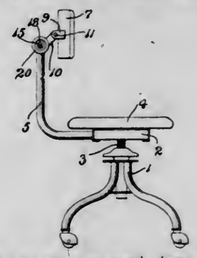
toward the secured end of the spring member for feeding said articles, and the unwound portion of said spring member extending in said channel, the opposite walls of said channel being adapted to laterally confine said spring.

2,298,885
METHOD FOR PRODUCING HIGH DENSITY SINTERED PRODUCTS
Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 29, 1941, Serial No. 395,793
5 Claims. (Cl. 75—22)



1. The method for fabricating a body of complex shape and uniform density from powdered ingredients which comprises placing the powder to be pressed in a rigid mold which has the irregular contour of one of the surfaces of said body, applying pressure to said powder by a rigid plunger and flexible pad, said pad being positioned between the plunger and the body to be pressed and the surface of said plunger having an irregular contour substantially identical with the opposite surface of said body.

2,298,886
CHAIR BACK
David D. Hunting, Grand Rapids, Mich., assignor to Metal Office Furniture Company, Grand Rapids, Mich., a corporation of Michigan
Application July 1, 1940, Serial No. 343,317
6 Claims. (Cl. 155—156)



5. In a chair having a seat, two spaced standards operably connected with said seat and extending in an upward direction back of said seat, links adjustably connected for a pivotal movement to the upper ends of said standards, one link to each standard, said links being adapted to be moved between a substantially vertical posi-

tion in alinement with the standards and a horizontal position in front of said standards, a back member extending substantially horizontally between said links and adjustably connected thereto, and clamps including manually operable hand wheels for securing the links in any position to which adjusted with respect to said standards, said hand wheels having rubber-like coverings, the rear portions of which are located back of the standards, for the purposes specified.

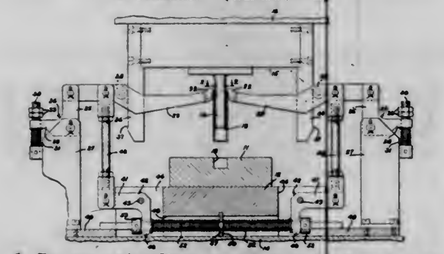
2,298,887

STRIPPER FOR EXTRUDING APPARATUS

Ralph Jongedyk, Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application March 13, 1941, Serial No. 383,151

8 Claims. (Cl. 207—1)



1. In an extruding apparatus having an extruding die and a cooperating extruding punch, a pair of stripper members mounted for movement relative to the punch in a direction longitudinally of said punch, said stripper members being movable relative to each other in a direction longitudinally of the punch, and means responsive to a movement of one of said stripper members in one direction longitudinally of the punch for moving the other stripper member in the opposite direction.

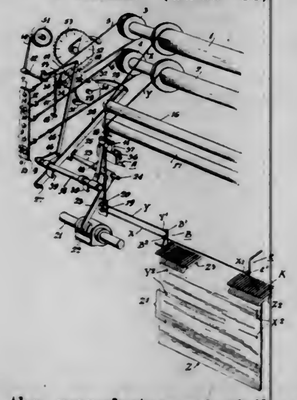
2,298,888

ART OF WARP KNITTING

Frank J. Kaufmann, Tribes Hill, N. Y.

Application December 17, 1941, Serial No. 423,271

8 Claims. (Cl. 66—86)



1. In the manufacture of cloth containing threads drawn from two warp beams to supply, during a predetermined cycle of knitting movements of the knitting machine, predetermined different lengths of thread to be knitted into the same predetermined length of cloth, the method of ascertaining the lengths of threads so fed and thus the speeds of said beams during said cycle of knitting movements, which consists in guiding two threads running at different speeds, one drawn from one and the other from the other of said warp beams, to a marking station; simultaneously marking said running threads at said station at regularly recurring intervals corresponding to recurrent cycles of knitting movements of the machine; and guiding said threads so marked to two observation stations, one thread to one observation station and the other thread to the other observation station, over paths so differing in length that, notwithstanding the difference in speed and length of the two threads, the marked portions of said threads will arrive simultaneously at the two observation stations after an interval corresponding to a cycle of knitting movements, provided said warp beams rotate at speeds to supply said predetermined lengths of thread during said cycle of knitting movements.

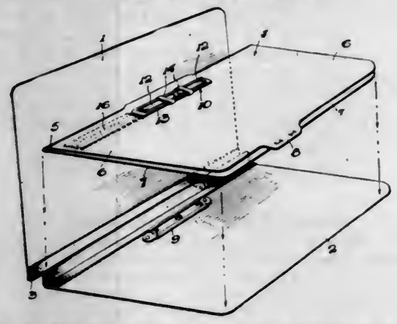
2,298,889

FILE FOR PAPERS AND THE LIKE

Louis L. Kearney, Oakland, Calif., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

Application September 8, 1941, Serial No. 409,981

12 Claims. (Cl. 129—25)



1. A file for papers, correspondence and the like comprising an outer cover folder and an inner folder, means for detachably securing the folders together comprising a fastener having a base portion permanently attached to one of the outer folder covers and a portion adapted for sliding engagement with said base, attached to one of the covers of the inner folder, said latter portion of the fastener having bendable prong members thereon adapted to receive the papers to be filed, the other cover member of said inner folder having a cut-out portion therein formed by turning back a portion of the body upon itself, whereby when said cover is reversely folded upon the cover to which the paper receiving portion of the fastener is attached, said fastener portion is in alinement with and extended through said cut-out portion to be slidably engageable with the base portion of the fastener.

2,298,890

ELECTRIC SWITCH MECHANISM

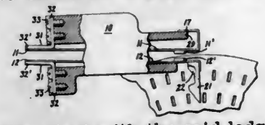
Vincent W. Leonard, Saugus, Mass., assignor to General Electric Company, a corporation of New York

Application December 24, 1940, Serial No. 371,494

1 Claim. (Cl. 200—1)

In a switch mechanism, the combination of an insulating block provided with a slot and a ledge

at one end of said slot, a pair of L members each L member comprising two legs projecting from an apex in angular relationship to each other one of said legs being attached to the end of said block with the second leg projecting away from the end of said block at one end of said slot said projecting legs being spaced from each other and arranged above one another, a resilient switch contact arm attached at one end to the upper one of said second legs projecting through said slot and provided with a hook at its free end for engaging said ledge at the other end of said slot said second leg being adjustable about its apex to effect an engagement of said hook



end of said contact with the said ledge and upon further adjustment to effect a flexure of said contact arm to establish a predetermined resistance to a movement away from said ledge, a second contact arm attached to the lower projecting leg said contact arm also projecting through said slot and being arranged to cooperate with said first-mentioned contact arm said lower second leg being adjustable about its apex to move said free end of said contact arm against the side of said slot and to further move said contact arm to effect a predetermined flexure of said arm thereby to establish a predetermined resistance to actuation of said last-mentioned arm, and means arranged to intermittently actuate said contact arms.

2,298,891

VENETIAN BLIND TILTER

Hans K. Lorentzen, Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York

Application August 17, 1940, Serial No. 353,020

7 Claims. (Cl. 156—17)



1. In a Venetian blind tilter having a bracket adjacent to which is a cord pulley, and having a cord guide beneath the pulley; the improvement which comprises: the cord guide being two open loops, the opening in each loop facing in the direction of the bracket.

2,298,892

VENETIAN BLIND HOLD-DOWN BRACKET, ETC.

Hans K. Lorentzen, Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York

Application February 14, 1942, Serial No. 430,890

12 Claims. (Cl. 156—17)



11. A Venetian blind hold-down bracket comprising: a single strip of sheet-metal adapted to be mounted edgewise of a window jamb, the strip including a base portion and an upwardly inclined body portion, and the top of the strip being formed as a hook.

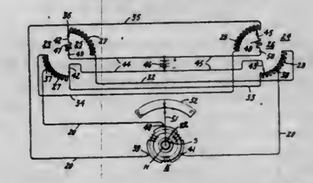
2,298,893

LIQUID LEVEL GAUGE

John R. Macintyre, South Peabody, Mass., assignor to General Electric Company, a corporation of New York

Application March 21, 1941, Serial No. 384,529

7 Claims. (Cl. 73—313)



6. A system for transmitting coordinated indications from a plurality of different transmitting points to a multiterminal indicating instrument at a receiving point, said system comprising a plurality of resistors located at the transmitting points and connected in series to form a closed electrical circuit, contact brush means located at each of the transmitting points, said brush means being adapted to be connected to a current source, means for sweeping the contact brush means along the resistors successively in response to variations in the coordinated indications to be transmitted, and a plurality of taps spaced along the resistors in the continuous series circuit, said taps being adapted to be connected to indicating-instrument terminals.

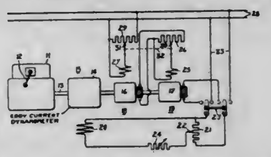
2,298,894

ELECTRIC DYNAMOMETER

Kenneth R. McDougal, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

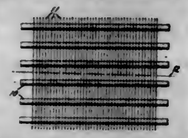
Application September 4, 1940, Serial No. 355,323

5 Claims. (Cl. 73—51)



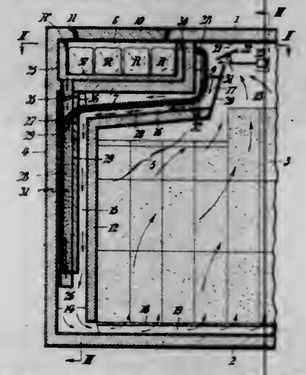
1. In combination in a system for testing prime movers, an electric dynamometer comprising field producing means and a rotary element adapted to be coupled to the prime mover to be tested for placing a load of controllable speed-horsepower characteristics on said prime mover, a first direct current generator having field and armature windings and driven at a speed proportional to the dynamometer, means for exciting said dynamometer field producing means in accordance with armature voltage variations of said first generator, a second direct current generator having field and armature windings and driven at a speed proportional to the dynamometer, means for exciting said field winding of said first generator in accordance with armature voltage variations of said second generator, and means connecting said field winding of said second generator to a separate direct current source of supply.

2,298,895
METHOD OF MAKING HEAT EXCHANGE UNITS
Roy H. McKibben, Bloomfield, and David M. Dart, Essex Fells, N. J., assignors to General Electric Company, a corporation of New York
Application February 28, 1942, Serial No. 432,814
9 Claims. (Cl. 29—157.3)



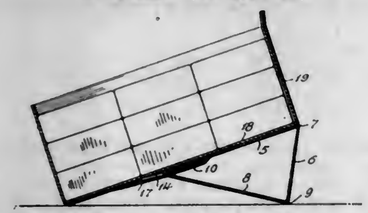
1. The method of constructing a heat transfer unit including a bank of finned tubes of the self-draining type which comprises providing a bank of finned tubes having the form of a parallelogram and comprising a plurality of parallel straight tubes and substantially parallel elongated fins mounted on said tubes transversely thereof, cutting said bank of finned tubes between two of said tubes longitudinally at an angle equal to the desired pitch of the tubes of the completed unit to form two separate portions of said bank, and interchanging the relative positions of said portions and assembling said portions to provide the top and bottom sections of a finished bank of tubes having the desired pitch for drainage and which bank may be included within a minimum rectangle.

2,298,896
REFRIGERATOR CAR
Wendel J. Meyer, Philadelphia, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 4, 1942, Serial No. 441,591
10 Claims. (Cl. 62—91.5)



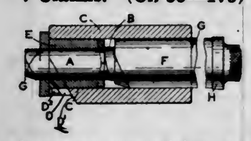
1. A refrigerator car or the like including a cold storage compartment; a bunker below the car roof adjacent one of the car walls; a reticulate false floor setting apart a horizontal air-flow passage in the bottom of the compartment; a partition extending upward substantially parallel to the wall, then laterally beneath the bunker and finally upward and parallel to the inner end of said bunker to the car roof to form a flue which is in communication with the compartment at the top by way of an inlet port at the upper end of the partition; and a closed convection circuit means for a fluent secondary refrigerant in the form of a radiator comprising a top header arranged for contact with ice in the bunker, a bottom header within the vertical portion of the flue, a down-flow pipe leading at one end directly from the bottom of the top header to the bottom header, and an up-flow pipe leading up from the lower header through the vertical portion of the flue, then through the horizontal portion of said flue beneath the bunker and connecting into the top header at the opposite end and at a higher level.

2,298,897
DISPLAY DEVICE FOR CONTAINERS
Harold L. Myers, Morristown, N. J.
Application March 28, 1941, Serial No. 385,605
2 Claims. (Cl. 206—44)



1. The combination of a merchandise container including a bottom, and a display device comprising a main section secured to the bottom of said container in surface engagement therewith and provided with a locking opening co-operating with said bottom to form a locking recess, a plurality of panels foldably connected with each other and with said main section and foldable relatively to each other and to said main section into easel form for supporting said container in display position and to an inoperative position in surface engagement with said main section, means for slidably connecting one of said panels with said main section, and a locking flap on said one of said panels arranged to pass into said locking recess into contact with the bottom of said container and to engage a wall of said locking opening to fix said panels in easel form.

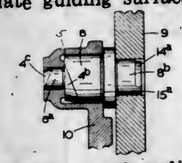
2,298,898
GAUGE FOR MEASURING OR CHECKING DIMENSIONS
John Oswin, Coventry, England, assignor of one-half to John Ernest Neale, Coventry, England
Application January 16, 1940, Serial No. 314,169
In Great Britain January 16, 1939
7 Claims. (Cl. 33—178)



1. A female gauge comprising, a cylindrically bored gauge body formed at one end of its bore with a gap opening into said bore and having spaced axially parallel sides and an axially diagonal bottom, said bottom intersecting said bore around a portion of its circumference so that the internal cylindrical surface of said bore increases in area in an axial direction away from its intersection with said diagonal bottom.

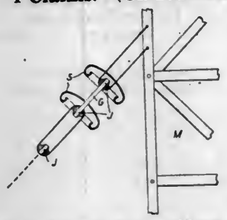
2,298,899
INTERFITTING MACHINE AND LIKE PART
John Oswin, Coventry, England, assignor of one-half to John Ernest Neale, Coventry, England
Application February 1, 1940, Serial No. 316,858
In Great Britain February 3, 1939
3 Claims. (Cl. 308—22)

1. Interfitting machine and like parts comprising a female element having a cylindrical inner wall surface and a complementary male element to be received by said female element with a close fit and having a cylindrical surface, the cylindrical surface of the one being opposed to the cylindrical surface of the other in their interfitted relationship, the cylindrical surface of one of said elements commencing rearwardly of its leading end, and the extreme leading end of said element being of non-circular cross-section and formed with an arcuate guiding surface constituting a



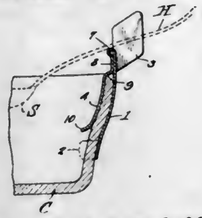
forward continuation of the adjacent cylindrical surface of said element and at its extreme leading end subtending an angle of less than one hundred and eighty degrees and increasing in extent from its leading end toward said cylindrical surface of said element so as to subtend an increasing angle until it attains the maximum of three hundred and sixty degrees.

2,298,900
GUY WIRE INSULATOR
Wilhelm Peters, Berlin, Germany; vested in the Alien Property Custodian
Application December 13, 1940, Serial No. 369,970
In Germany March 24, 1939
4 Claims. (Cl. 174—140)



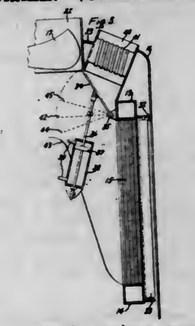
1. An arrangement for uniform potential distribution of an antenna mast comprising a plurality of guy wires each one of which is divided into sections, a plurality of insulators for dividing said guy wires, a plurality of metallic members adjacent each one of said insulators, said metallic members being arranged in pairs on said guy wires to artificially increase the capacitance therebetween to give a uniform potential distribution to the guy wires of said antenna.

2,298,901
SPOON HOLDER
Glenroy Pickering, Marietta, Ohio, assignor of ten per cent to Ora E. Treadway, Marietta, Ohio
Application February 3, 1941, Serial No. 377,241
1 Claim. (Cl. 65—65)



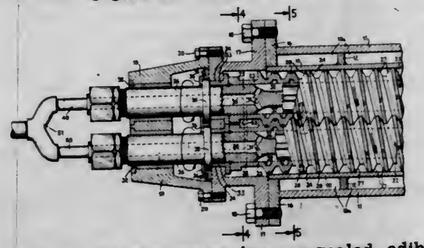
A one-piece, resilient spoon-holder including a folded portion providing a rest for a spoon handle, wings extending from the respective sides of the folded portion and upwardly therebeyond, said wings diverging away from the folded portion, spaced resilient tongues integral with opposed thicknesses of said folded portion and positioned to receive between them the wall of a container, said tongues constituting a clip for gripping the wall, one of said tongues having an offset portion positioned to bear downwardly on an edge of the engaged container thereby to support the holder.

2,298,902
HEAT EXCHANGE SYSTEM
James C. Rhoads, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application June 4, 1940, Serial No. 338,752
7 Claims. (Cl. 105—26)



1. A railway vehicle prime mover heat exchange system including a heat exchange device having an air passage intake thereto for removing undesired heat from said prime mover, means including an air impeller for circulating air through said heat exchange device, an air by-pass intake opening to the exterior of the vehicle separate from the heat exchange device air passage intake, and means for varying the effective size of said air passage through said heat exchange device and for substantially simultaneously and inversely varying the effective size of said by-pass air intake passage to maintain substantially constant the air flow through said air impeller whereby said air impeller operates substantially under most efficient conditions.

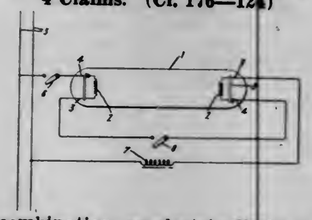
2,298,903
APPARATUS AND METHOD FOR MAKING CHILLED PRODUCTS
Jacob Schaub, deceased, late of Westfield, N. J., by Betty A. Schaub, executrix, Westfield, N. J., assignor to The Best Foods, Inc., a corporation of Delaware
Application October 21, 1940, Serial No. 362,174
8 Claims. (Cl. 99—244)



1. Apparatus for preparing congealed edible products comprising an elongated housing, a

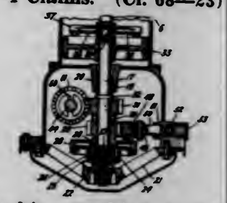
plurality of intermeshing rotors for forcing liquid and plastic material through said housing, means for rotating said rotors in the same direction, and means for chilling said material within said housing.

2,298,904
ELECTRIC DISCHARGE APPARATUS
William J. Scott and Leonard J. Davies, Rugby, England, assignors to General Electric Company, a corporation of New York
Application October 1, 1940, Serial No. 359,254
In Great Britain March 19, 1940
4 Claims. (Cl. 176—124)



1. In combination, an electric discharge device having spaced electrodes, one of which has an appreciable amount of resistance, means for connecting said electrodes with a source of current supply to energize the device and initially to heat said one electrode by the passage of heating current therethrough, and means responsive to heat produced by said device for short-circuiting said one electrode.

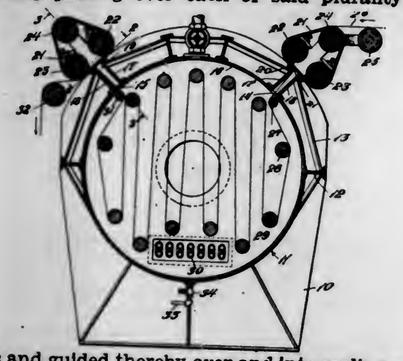
2,298,905
WASHING MACHINE
Charles K. Skinner, Southport, Conn., assignor to General Electric Company, a corporation of New York
Application September 19, 1940, Serial No. 357,415
4 Claims. (Cl. 68—23)



1. In a washing machine, a vertical shaft, a rotatable receptacle on the shaft for receiving liquid and clothes to be washed, a frame in which the shaft is supported for axial movement, resilient means resisting axial movement of the shaft in the frame whereby the axial position of the shaft is responsive to the weight of the receptacle and contents, and mechanism for driving the shaft at its washing speed including clutch members respectively loose on and fixed to the shaft, said clutch members being positioned so as to be out of engagement when the receptacle is empty and in engagement when the receptacle is filled with liquid to the proper level for washing.

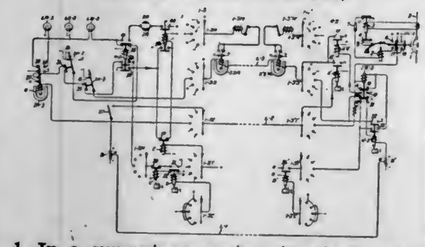
2,298,906
CLOTH-TREATING APPARATUS
Paul A. Sperry, New Haven, Conn.
Application November 16, 1940, Serial No. 365,974
3 Claims. (Cl. 68—5)

1. A cloth-treating apparatus comprising a sealed pressure chamber for treating the work, said chamber having an entrance and an exit opening therein, a plurality of guide rolls positioned at spaced location in triangular formation about each of said openings with two of said rolls positioned on either side of said opening, an apron having a greater width than the length of said opening passing over each of said plurality of



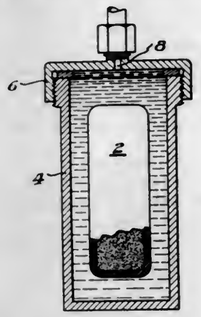
rolls and guided thereby over and into sealing engagement with the edges about said openings and presenting a movable surface to travel with the work as it passes through said openings, and means for applying a tension on one of said rolls to urge the apron thereon towards the edges about the opening sealed thereby.

2,298,907
SUPERVISORY SYSTEM
Clyde E. Stewart, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application February 1, 1941, Serial No. 377,033
32 Claims. (Cl. 177—353)



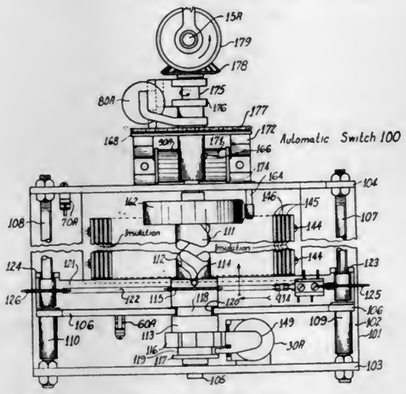
1. In a supervisory system in which selective means at two points are adapted to be operated to establish connections respectively between a plurality of movable devices at one of said points and corresponding indicating means at the other point, means responsive to any of said devices changing its position for initiating the operation of said selective means so as to establish a connection between the device initiating the operation of said selective means and the corresponding indicating means and for transmitting between said points while said connection is established an indicating impulse of a character dependent upon the position then occupied by such device, and means controlled by the character of said impulse for operating the indicating means corresponding to the device which initiated the operation of said selective means so as to indicate which device has changed its position and whether at the time such an impulse is transmitted that device is in a different position than the position from which it moved to initiate the operation of said selective means or is in the position from which it moved to initiate the operation of said selective means.

2,298,908
POWDERED METAL
Chandler Wentworth, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1940, Serial No. 372,435
6 Claims. (Cl. 29—155.5)



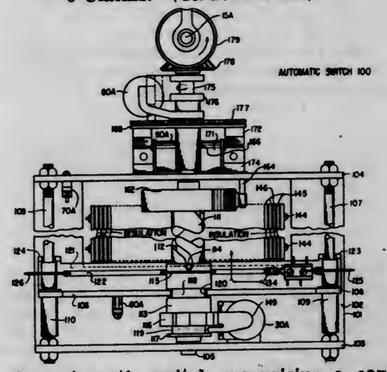
6. Method of making a structure of comminuted spongy paramagnetic spongy particles, said method comprising lubricating said particles, subjecting said lubricated particles to a compression force applied in substantially all directions and of an intensity sufficient to reduce their particle size, removing the lubricant and thereafter molding said particles together with a suitable insulating material in the form of the structure desired.

2,298,909
AUTOMATIC TELEPHONE SYSTEM
Bernard D. Willis, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 7, 1941, Serial No. 377,835
42 Claims. (Cl. 179—18)



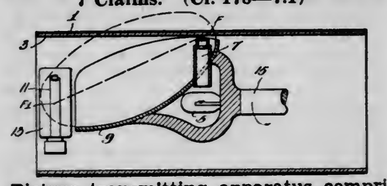
1. In a telephone system, a calling line, a called line, a calling device selectively operative repeatedly to transmit a plurality of impulses each of variable time duration over said calling line, and means including a plurality of tandem related switches adapted to be selectively controlled sequentially in accordance with the time durations of said impulses for setting up a connection between said calling line and said called line.

2,298,910
AUTOMATIC SWITCH
Bernard D. Willis, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application February 7, 1941, Serial No. 377,835. Divided and this application August 23, 1941, Serial No. 408,053
9 Claims. (Cl. 179—27.52)



1. An automatic switch comprising a contact controlling member mounted for both primary and secondary movements, an element operatively connected to said member and supported for both rotary and sliding movements, whereby primary movement is imparted to said member when said element is rotated and secondary movement is imparted to said member when said element is slid, a shaft operatively connected to said element and supported for rotary movement, whereby said element tends both to rotate and to slide when said shaft is rotated, locking mechanism selectively operative first to lock said element against sliding and then to lock said element against rotation, thereby selectively to control both primary and secondary movements of said member, and means operative repeatedly for imparting selective continuous rotation to said shaft, thereby selectively to control the amount of primary movement of said member and then selectively to control the amount of secondary movement of said member.

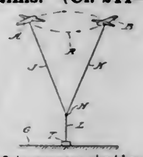
2,298,911
OPTICAL SYSTEM FOR FACSIMILE TRANSMITTERS
Charles J. Young, Ardmore, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application April 1, 1941, Serial No. 386,292
7 Claims. (Cl. 178—7.1)



1. Picture transmitting apparatus comprising a cylindrical member adapted to support a subject copy to be transmitted, a scanning lens member rotatably supported coaxially with said cylindrical member and whose axis is perpendicular to the axis of said cylindrical member, a light sensitive device on the axis of said cylindrical member, a light source rotatably supported at the intersection of the axis of said cylinder and

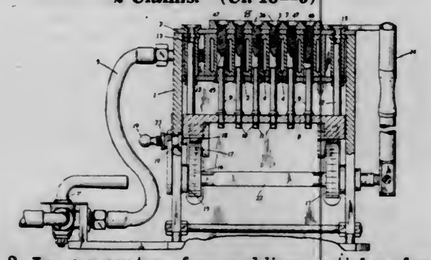
the axis of said scanning lens member, a reflecting element to rotate with said scanning lens member and one of whose focal points is located at the intersection of said scanning lens axis with said subject copy and the other of the focal points of said reflector located at the intersection of the axis of said cylindrical member with said light sensitive member.

2,298,912
ART OF AERIAL TRANSPORTATION
Francois Alabrune, Chicago, Ill.
Application December 5, 1940, Serial No. 368,659
4 Claims. (Cl. 244—137)



1. In the art of transportation by airplane, the method comprising the steps of flexibly connecting an object to two planes, flying each plane in a substantially circular course about the object, causing the planes to be at diametrically opposite points while initially lifting the object by the planes, and then accelerating the speed of one of the planes relative to the other while still maintaining a substantially circular course until both planes are flying in approximately the same direction.

2,298,913
MOLDING DEVICE
Herbert Brookwell Arden and Archibald Walter Arden, London, England
Application September 6, 1939, Serial No. 293,584
In Great Britain September 17, 1938
2 Claims. (Cl. 18—5)



2. In apparatus for molding articles from molten material, means for holding a case to receive the molded article on ejection from a mold cavity comprising an apertured member arranged with its apertures in alignment with the mold cavities, a second member mounted for pivotal movement relatively to said first member and having a plurality of recesses in the face thereof adjacent to said first member and locking means for locking said second member with its recesses in alignment with the apertures in said first member.

2,298,914
MODIFICATION OF FATTY OILS
László Auer, East Orange, N. J.
No Drawing. Continuation of application Serial No. 318,650, February 12, 1940. This application January 22, 1942, Serial No. 427,816
22 Claims. (Cl. 260—407)

1. In the manufacture of improved, modified products, suitable for plastic and coating compositions, from fatty oils, fatty acids, esters of fatty acids, and from material containing the same, said modified products having increased drying velocity and other improved properties, the step which comprises heating said materials in the presence of a minor amount of an organic acid at a temperature of at least 200° C. and for a time sufficient to modify the physical properties of and increase the drying velocity of said materials, said heating being continued for at least thirty minutes and the amount of said organic acid being not more than 5%.

2,298,915
MANUFACTURE OF MODIFIED PRODUCTS FROM FATTY OILS, ETC.
László Auer, East Orange, N. J.
No Drawing. Application March 14, 1941, Serial No. 383,339. In Hungary May 19, 1926
20 Claims. (Cl. 260—407)

1. In the manufacture of bases for coating materials from fatty oils, the improved process which comprises mixing 100 parts of a fatty oil with not more than 10 parts of an organic cyclic compound containing a condensed ring system in the molecule and capable of modifying the physical properties of the oil, and thoroughly dispersing said condensed ring compound throughout the oil, thereby modifying its properties in forming coating compositions.

2,298,916
MODIFICATION OF FATTY OILS
László Auer, East Orange, N. J.
No Drawing. Application January 8, 1942, Serial No. 426,083
28 Claims. (Cl. 260—407)

1. In the manufacture of improved, modified products, suitable for plastic and coating compositions, from fatty oils, fatty acids, esters of fatty acids, and from materials containing the same, said modified products having increased drying velocity and other improved properties, the step which comprises heating said materials in the presence of a minor amount of an inorganic acid at a temperature of at least 200° C. and for a time sufficient to modify the physical properties of and increase the drying velocity of said materials, said heating being continued for at least 30 minutes and the amount of inorganic acid being not more than 5%.

2,298,917
MODIFICATION OF FATTY OILS
László Auer, East Orange, N. J.
No Drawing. Application February 5, 1942, Serial No. 429,661
15 Claims. (Cl. 260—407)

1. In the modification of fatty oils to improve the drying properties thereof, the process which comprises mixing the oil with a minor amount and not more than 10% of a polar compound having within the molecule an organic residue, and an acidic inorganic sulphur-containing residue capable of yielding a sulphur-containing acid at the reaction temperature and in the presence of the reactants present during the treatment, and heating the mixture to a reaction temperature between about 200° and 350° C. for at least thirty minutes.

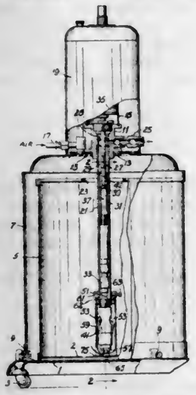
2,298,918
MODIFICATION OF FATTY OILS
László Auer, East Orange, N. J.
No Drawing. Application February 5, 1942, Serial No. 429,662
5 Claims. (Cl. 260—407)

1. In the modification of fatty oils to improve their drying properties, the process which comprises mixing the oil with a minor amount and not more than 10% of a polar compound having within the molecule an organic residue, and an acidic inorganic nitrogenous residue capable of yielding a nitrogen-containing acid, and heating the mixture to a reaction temperature between about 200° and 350° C. for at least thirty minutes.

2,298,919
MODIFICATION OF FATTY OILS
László Auer, East Orange, N. J.
No Drawing. Application February 5, 1942, Serial No. 429,663
14 Claims. (Cl. 260—407)

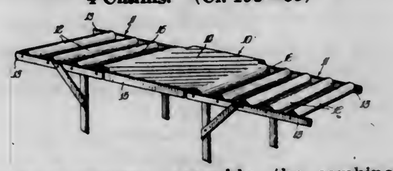
1. In the modification of fatty oils to improve their drying properties, the process which comprises mixing the oil with a minor amount and not more than 10% of a polar compound having within the molecule an organic residue, and an acidic inorganic halogen-containing residue, and heating the mixture to a reaction temperature between about 200° and 350° C. for at least thirty minutes.

2,298,920
LUBRICATING APPARATUS
Frank S. Barks and Victor G. Klein, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application May 10, 1940, Serial No. 334,423
5 Claims. (Cl. 221—47.1)



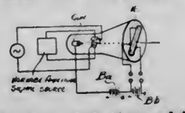
1. A double-acting pump comprising a pump cylinder having reception inlets spaced from a dead end, a co-axial transmission cylinder supporting the pump cylinder, a hollow plunger in the pump cylinder, a check valve opening in a direction for movement of fluid only from said dead end through the plunger to the transmission cylinder, said transmission cylinder having an outlet at the end opposite the pump, a piston rod reciprocating into and out of the transmission cylinder and connected to said plunger, the cross-sectional area of the outside of the plunger being substantially twice that of the outside of said rod at the point where it enters the transmission cylinder, a cylindric sleeve spaced from the pump cylinder and covering said suction inlet and having an inlet opening spaced from said suction inlet, said sleeve being slidable on said transmission cylinder, and a follower slidable on the sleeve.

2,298,921
TYING PLATE FOR CONVEYERS
Ernest C. Barker, Oak Park, Ill., assignor to The Gerrard Company, Inc., Chicago, Ill., a corporation of Delaware
Application September 13, 1940, Serial No. 356,574
4 Claims. (Cl. 193—35)



1. In a conveyer assembly, the combination with two conveyers of the type provided with rollers, of a tying plate for said conveyers characterized by a substantially flat generally rectangular load supporting top of one-piece sheet metal construction, and downwardly curved integrally formed end flanges on said top for detachably hooked engagement with the end rollers of said conveyers, with the top of the plate approximately flush with said end rollers.

2,298,922
ELECTRIC SIGNALING SYSTEM
William Arnold Beatty, Sidcup, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application January 6, 1940, Serial No. 312,645
In Great Britain February 7, 1939
2 Claims. (Cl. 179—171.5)

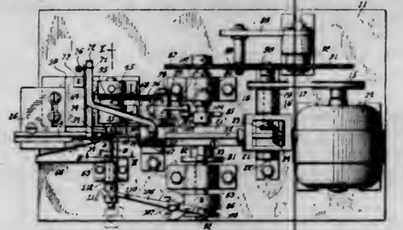


1. The method of modulation which comprises generating a train of pulses so that the individual pulses of the train all have the same constant amplitude and have trailing edges occurring at fixed time intervals, varying the duration of said individual pulses in accordance with the instantaneous amplitude of an intelligence wave, generating at the leading edge of each of said individual pulses, a pulse of shorter duration and of greater amplitude than any in said train of pulses, and combining the said pulses of shorter duration with the corresponding ones of the first-mentioned train of pulses.

2,298,923
MACHINE FOR WINDING COILED SECTIONS
Raymond H. Beebe, Glen Ridge, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 18, 1936, Serial No. 91,315
11 Claims. (Cl. 153—64)

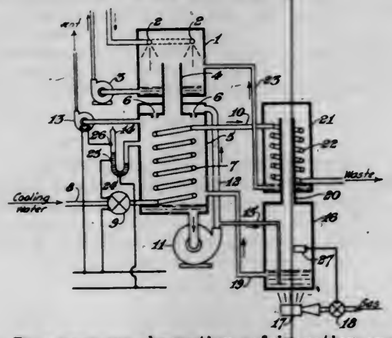
1. A machine for winding a primary helically-coiled section into a secondary helically-coiled section comprising cradle means for supporting said primary coil, secondary coil forming means, means for moving said coil-forming means into operative relation with said primary coil to form

a secondary coil, an arm normally underlying a portion of said primary section, means operating after the formation of a predetermined number



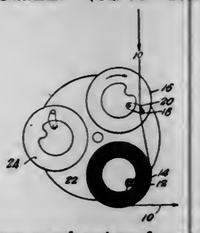
of turns to remove said secondary coil-forming means, and means for rotating said arm to raise said primary section and release said secondary coil from said cradle means.

2,298,924
ABSORPTION REFRIGERATION APPARATUS
Francis R. Bichowsky, Ann Arbor, Mich.
Application July 28, 1939, Serial No. 286,989
16 Claims. (Cl. 62—5)



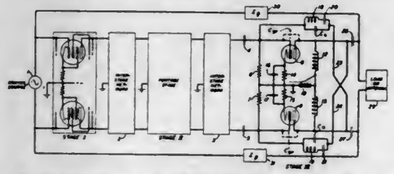
1. In a vacuum absorption refrigeration system comprising an absorber for dissolving the vapors of a refrigerant in an absorbent, and a regenerator for reconcentrating the absorbent: the combination of means for maintaining a constant pressure-differential between the absorber and the regenerator; means responsive to and adapted to control the pressure in the absorber; and means responsive to and adapted to control the concentration of the absorbent in the regenerator.

2,298,925
MECHANISM FOR HANDLING ENDLESS FILM
Daniel Thurber Bridges, Auburn, Mass.
Application January 27, 1940, Serial No. 316,023
2 Claims. (Cl. 88—18.7)



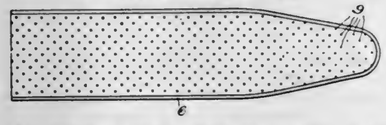
1. Film reeling mechanism for an endless strip of untwisted film comprising a rotatably mounted disc, a plurality of reels rotatably mounted on said disc, a supply coil of film wound on one of said reels, the loop of film at the outer portion of the supply reel being passed through film projecting equipment and adjacent an empty reel in winding position, means for driving the reel in winding position to coil the film thereon, means normally holding the disc against rotation, means for releasing the film from the supply reel as the supply coil is used up, means controlled by said last mentioned means for interrupting the driving means for the winding reel, means for releasing the holding means for the disc, means for producing rotation of the disc to shift the full reel to unwinding position and to bring an empty reel to winding position, and means to again cause driving of the reel in winding position.

2,298,926
ELECTRICAL WAVE AMPLIFICATION
Charles R. Burrows, Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 17, 1941, Serial No. 393,908
5 Claims. (Cl. 179—171)



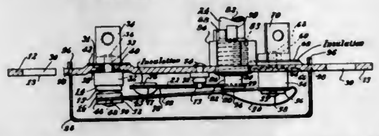
1. A push-pull amplifier stage comprising space discharge devices whose grid-plate capacity is appreciable at the operating frequency, crossed condensers providing bridge-neutralization of the grid-plate capacities, said crossed condensers comprising excess capacity to produce over-neutralization of said grid-plate capacities, inductances shunting said crossed condensers for neutralizing their excess capacity, and a negative feedback loop serially including said stage.

2,298,927
IRONING PAD
Terence J. Callan, Park Ridge, and Victor L. Erickson, Chicago, Ill., assignors to Welmaid Products, a partnership consisting of Terence J. Callan and Victor L. Erickson, Chicago, Ill.
Application December 5, 1940, Serial No. 368,640
3 Claims. (Cl. 38—140)



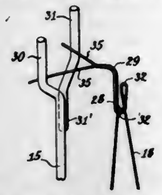
2. An ironing pad having a cushion, a textile cover on said cushion, a coating on said cover, said coating being smooth and wrinkle-free and adapted to protect said cover against thermal decomposition at temperatures up to 175° C. and being itself resistant to decomposition at such temperatures, the coating being normally moisture resistant during an ironing operation, the cover and coating being formed with a large number of spaced perforations enabling the passage of moisture through the cover while the iron is passing thereover, the portions of the cover between the spaced perforations being sealed, smooth and water-resistant.

2,298,928
THERMOSTAT
Earl K. Clark and Paul R. Lee, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 6, 1938, Serial No. 206,329
7 Claims. (Cl. 200—139)



1. In a circuit interrupter, a supporting structure therefor, a stationary contact and a contact arm including a cooperating movable contact, a thermally responsive member mounted upon said structure electrically independent of said contacts and resting upon said contact arm, said thermally responsive member adapted to change its shape in response to the changes in temperature thereof, and manually operable means operatively associated with the thermally responsive member for adjustably positioning the member in a plurality of operative positions for effecting engagement and disengagement of the contact means as the thermally responsive member changes from one position to another responsive to temperature changes and in an inoperative position where the thermally responsive member is free to change its shape with changing temperature conditions without effecting engagement of the contacts.

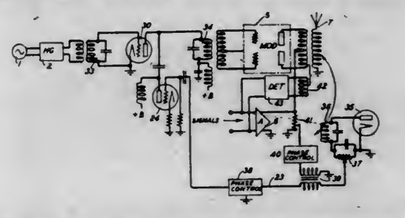
2,298,929
ELECTRON DISCHARGE DEVICE
Hampton Jennings Dailey, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1941, Serial No. 420,908
6 Claims. (Cl. 250—27.5)



1. A resilient support for tensioning a filament, comprising a hook member having a filament engaging portion of double wire terminating as a prong and having resilient portions diverging from the double wire portion remote from the prong in a plane normal to the direction of tensioning of the filament.

2,298,930
PHASE DISTORTION CORRECTION
Alfred Decino, Elberon Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 14, 1941, Serial No. 374,337
3 Claims. (Cl. 179—171.5)

1. In a system for modulating the amplitude of carrier waves by an input signal with incidental phase modulation of said carrier waves, means to detect the amplitude modulation and the phase modulation, means comprising a differential circuit for combining a portion of the input signal with the output of said detecting means to separate the components resulting from phase modulation from the components resulting from amplitude modulation, and means to produce compensating phase modulation of the carrier in accordance with the former components.

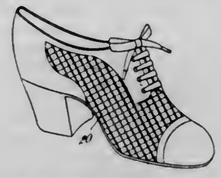


2,298,931
PROCESS FOR THE TREATMENT OF HYDROCARBONS
Harry E. Drennan, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application October 5, 1940, Serial No. 359,967
11 Claims. (Cl. 260—683)

1. A process for the catalytic isomerization of 1-olefins to produce 2-olefins which comprises treating said 1-olefins under isomerizing conditions over a solid catalyst comprising copper oxide and a copper salt and prepared by treating copper oxide with a non-volatile strong mineral acid.

10. A solid catalyst for the isomerization of 1-olefins to 2-olefins which comprises copper oxide supporting a copper salt of a non-volatile strong mineral acid.

2,298,932
SHOE
Walter Ebling, Port Washington, N. Y.
Application March 28, 1942, Serial No. 436,725
5 Claims. (Cl. 36—3)



1. In a shoe, a portion formed of a material of solid appearance, said portion comprising a plurality of strips arranged side by side in edge abutting relation, and stitching extending transversely of the strips in spaced rows and forming the sole means of retaining the strips in position for the creation of the solid appearance of the material.

2,298,933
METHOD OF TREATMENT OF PLANT TISSUE
Eduard Elion, Larchmont, N. Y.
No Drawing. Application January 18, 1941, Serial No. 375,018
4 Claims. (Cl. 99—154)

1. In the treatment of cut surfaces of fruit for inhibiting discoloration the method which comprises applying to the surface an aqueous thiosulfate solution that is substantially free from sulfur dioxide and that contains approximately 0.01 to 0.5% of thiosulfate and then draining

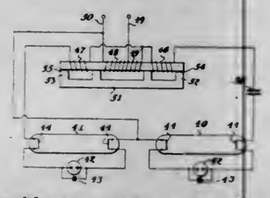
away the solution so that only a small proportion of the solution remains on the surface of the fruit.

2,298,934
SPRAY NOZZLE
Miles T. Foster, Milwaukee, Wis.
Application February 28, 1939, Serial No. 258,941
1 Claim. (Cl. 299—153)



In a device of the class described, a disk, and a centrally disposed elongated outwardly struck portion, the forwardmost portion thereof formed as a plane surface therein having a substantially circular central aperture, inward crimps formed so as to make substantially 90° with said forwardmost portion disposed in the elongated sides of said outwardly struck portion, the said aperture being so formed that it encroaches over said 90° corner portions.

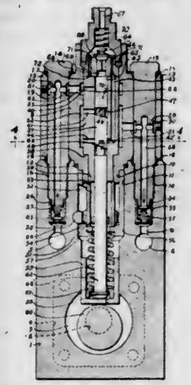
2,298,935
VAPOR LAMP POWER FACTOR CORRECTION
George Albert Freeman, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 16, 1940, Serial No. 335,492
1 Claim. (Cl. 176—124)



An assembly comprising a transformer, a secondary in said transformer, a discharge lamp having two filament electrodes therein, connection from said secondary to one end of each filament electrode, a starting relay, connections from said starting relay to the other ends of said filaments, said secondary circuit and discharge lamp having a leading power factor, another secondary in said transformer, another discharge lamp having two filament electrodes therein, connections from said last mentioned secondary to one end of each of said last mentioned filaments, said last mentioned secondary circuit and discharge lamp having a lagging power factor, another starting relay and connections from said starting relay to the other ends of the filaments of the last mentioned discharge lamp.

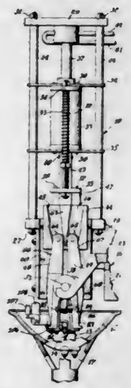
2,298,936
FUEL INJECTION PUMP
Ernest C. Gambrell, Wichita Falls, Tex.
Application December 7, 1940, Serial No. 369,101
24 Claims. (Cl. 103—41)

1. In a fuel injection pump, the combination of a body having a cylinder, a piston therefor, a fuel intake passageway extending to the cylinder, a fuel injection passage connected with the cylinder, means connected with the piston for trapping a quantity of fuel in the cylinder in open communication with the injection passage, said piston being adapted to force the trapped fuel through the injection passage, a by-pass passageway separate from the intake passageway and having means connected therewith for directing fuel away from the pump body, and



means for by-passing a portion of trapped fuel to said by-pass passageway.

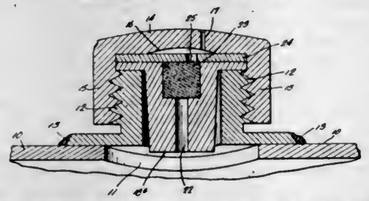
2,298,937
METHOD AND MACHINE FOR SECURELY CLAMPING FILAMENTS TO LEADS
James H. Green, West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 30, 1941, Serial No. 391,152
16 Claims. (Cl. 219—3)



1. The method of uniting the end portions of a filament to leads of a lamp, comprising positioning said filament with said end portions longitudinally disposed in side notches in said leads, closing said notches and clamping the material defining them about the received end portions of said filament, and heating said closed notched portions, during the application of pressure, to a temperature merely sufficient to anneal and set the lead metal about the filament end portions.

14. Apparatus for uniting the end portions of a filament to leads of a lamp, comprising means for positioning said filament with its end portions alined with, and disposed in longitudinal notches in said leads, means for closing said notches about the adjacent end portions of said filament, and means for heating said closed notched portions during the application of pressure, merely enough to anneal and set the lead metal about the filament end portions.

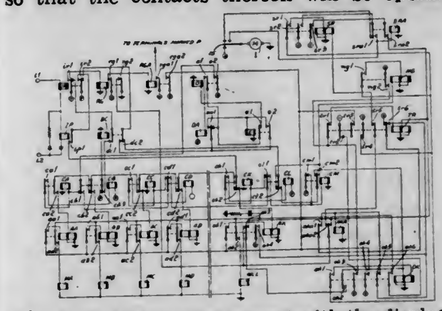
2,298,938
VENT FOR CONTAINERS
Charles B. Griffin, Jr., Lansdowne, Pa., and Adam F. Schuch, Wyandotte, Mich., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 25, 1940, Serial No. 331,652
4 Claims. (Cl. 220—44)



4. In apparatus for shipping or storing materials liberating gases, a container for the material having an opening defined by a cylindrical vent casing provided with a vent port, a holder in the casing between the vent port and container and sealingly engaged with the casing walls, said holder having an axial port therethrough and being composed of material having the characteristics of live rubber and being substantially inert and impermeable to both the material to be stored and gases emanating therefrom, and a porous plug fitted in a socket in the upper portion of the port of the holder, said plug being composed of material substantially inert to both the material to be stored and the gases emanating therefrom but being permeable by said gases, said casing being formed in a plurality of sections and said holder comprising a body portion loosely fitting in one of said sections and a flange interposed between opposed portions of the sections of the casing and clamped therebetween, said flange being disposed at the upper end of the holder body whereby compression of the flange causes clamping of the plug in the holder body, and a plate arranged between the outer element of the casing and the holder and covering said socket and the plug arranged therein, said plate having an opening of less size than the plug, the outer element of the casing being interiorly constructed to form a chamber placing the opening of said plate in communication with the vent.

2,298,939
TRAIN DESCRIBER AND PLATFORM INDICATOR
John Balmain Griffiths, Andrew Brown, and Ernest John Tervet, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application June 9, 1939, Serial No. 278,380
In Great Britain June 9, 1938
1 Claim. (Cl. 177—353)

A system responsive to received code signals wherein each code signal comprises a first long impulse followed in succession by a plurality of code impulses and a cancel impulse, a group of relays arranged to be operated in succession by said first impulse and said code impulses, a rotary drum, a plurality of axially disposed rows of displaceable pins on said drum, the pins in each row corresponding in number to the number of code impulses of each signal, a second group of relays arranged to be energized only on receipt of code impulses of a predetermined polarity over circuits prepared by the operation of the first group of relays, a plurality of striker magnets each controlled by a circuit prepared by the operation of a relay of said second group of relays, armatures for said striking magnets having a striking part, said striking parts each being disposed over a pin in one of the rows on said drum whereby actuation of a striker will displace the corresponding pin, a detector comprising a row of contacts disposed on a rotary support inside of said drum, indicator control circuits operated by said contacts, means for advancing said support a step at a time in reference to said drum so that the contacts thereon will be operated



when brought into engagement with the displaced pins of a row, means responsive to a code signal to advance said drum a step so that a new row of pins is positioned under said strikers to be displaced according to the code impulses of said signal, a common locking means for each row of pins on a drum, means responsive to a special code signal including a cancel impulse for tripping said locking means and thereby releasing the set of pins last actuated, and means responsive to said special code signal for preventing the operation of said means to advance said drum.

2,298,940
DISPLAY DEVICE
Howard W. Hayes, Belmar, N. J.
Application February 28, 1940, Serial No. 321,193
11 Claims. (Cl. 40—132)

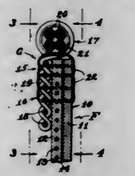


1. A display device of the class described, comprising, in combination, a substantially translucent sheet of material having integrally formed therewith a plurality of colored translucent portions, and a design carried by said colored translucent portions comprising a colored translucent main body portion formed by said integral colored translucent portions, a colored translucent marginal area overlying part of said main body portion of the design, and a substantially opaque final ground extending about said design.

2,298,941
ELASTICIZED SHOE CONSTRUCTION AND SHOE GORE THEREFOR
George M. Herrmann, Ridgewood, N. J.
Application September 18, 1940, Serial No. 357,210
5 Claims. (Cl. 36—57)

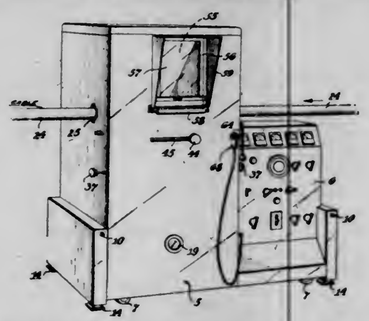
1. In a shoe, the combination of an elastic gore with a portion of the shoe upper, said gore

comprising longitudinally stretchable strip material having two longitudinally extending portions of different thicknesses with one edge of the thicker portion extending outwardly from one face of the thinner portion at the line where the thicker and thinner portions adjoin, said outstanding edge extending outwardly a distance which is substantially as great as the thickness of the upper edge of the shoe upper, said gore being secured to the shoe upper with said face of the thinner portion abutting the innermost face of



the shoe upper, the opposite face of the thinner portion of the gore being located in a plane which is substantially in line with the innermost surface of said thicker portion of the gore, said outstanding edge of the thicker portion abutting the upper edge of the shoe upper and said thicker portion of the gore extending upwardly from said edge of the shoe upper whereby said thicker portion of the gore forms an upwardly extending longitudinally stretchable edge portion of the finished shoe.

2,298,942
BIPLANAR FLUOROSCOPIC AND RADIOGRAPHIC EQUIPMENT
Victor Hicks, Flushing, and Eugene E. Merkel, New York, N. Y., assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1940, Serial No. 367,912
8 Claims. (Cl. 250—53)

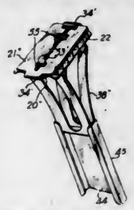


1. A biplanar fluoroscopic and radiographic apparatus comprising a cabinet, means for passing an article to be inspected through said cabinet, a source for projecting a beam of X-rays in a preselected direction, a second source for projecting another beam of X-rays which is noncolinear relative to said first beam to cause the medians of the two X-ray beams to intersect on the axis of movement of the article to be inspected, a pair of fluorescent screens each disposed perpendicular to the median of the respective X-ray beams, and means for observing the image cast on said fluorescent screens to enable an operator to visually inspect the article during transit through said cabinet.

2,298,943
PROCESS OF RECLAIMING WAX FROM WASTE WAXED PAPER
Perlie E. Howard, Nashua, N. H.
No Drawing. Application May 15, 1939, Serial No. 273,709
2 Claims. (Cl. 196—17)

1. The process of reclaiming in substantially its original pure condition substantially all of the wax present in waste waxed paper stock without removal of printers' ink from the stock if printed and without impairing the original quality of the paper stock fibres for reuse, said process comprising coarsely shredding the paper to provide relatively uniform sized pieces generally ranging from one-quarter to three-quarters of an inch square, immersing the shredded paper in a bath of dewaxing liquid and retaining the paper sufficiently below the top of the bath to provide a relatively quiet wax collecting zone at the top of the bath above the immersed paper, said bath consisting essentially of water and bicarbonate of soda in the proportion of approximately two ounces of bicarbonate of soda to one gallon of water, the shredded paper being in the proportion of not to exceed approximately one pound of paper stock, dry weight, to two gallons of the dewaxing compound, subjecting the mass to indirect heat to attain a temperature sufficient to melt the wax but not to exceed 205° F., causing the wax to melt, intermittently agitating the mass after coming to temperature to free the melted wax and to cause it to rise through the shredded paper into said zone, and removing the separated wax from said zone.

2,298,944
RAZOR OR KNIFE CONSTRUCTION
Elmer Hyatt, Cleveland, Ohio
Application July 31, 1940, Serial No. 348,923
5 Claims. (Cl. 30—51)

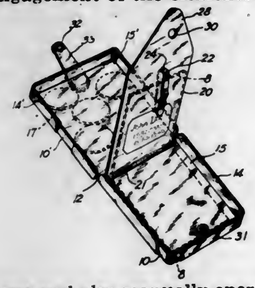


3. A razor construction comprising a blade and a clamping element formed with alined positioning passages, a guard element having means for removably securing the same to said clamping element with the blade between them and also having projections cooperating with said positioning passages for correctly alining the parts, and a flexible handle removably connected with one end of said elements in their assembled relation.

2,298,945
COMBINATION BILLFOLD AND PURSE
Elmer Hyatt, Cleveland, Ohio
Application September 9, 1940, Serial No. 355,904
4 Claims. (Cl. 150—35)

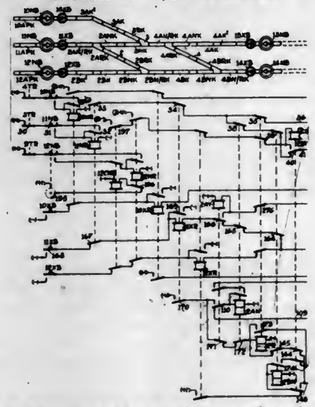
2. A combination billfold and coin purse comprising a folding case in two sections folding one into the other and providing separate coin and bill compartments, a flap secured to the fold line of the sections and serving as a partition therebetween, and exterior snap fastening means for securing the case in folded condition, said flap having a projection forming an exterior

tab portion provided with an opening for allowing interengagement of the elements of said fas-



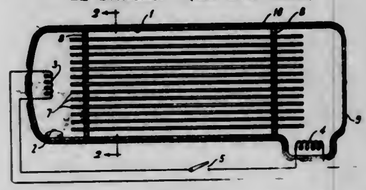
tening means and also manually operative to disengage and release said elements to allow opening of the case.

2,298,946
SWITCH AND SIGNAL CONTROL SYSTEM FOR RAILROADS
Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application April 19, 1940, Serial No. 330,535
26 Claims. (Cl. 246—134)



1. In a switch and signal control system of the character described for a track layout providing by power switches a plurality of conflicting routes extending between signal locations constituting entrance and exit points for both directions of traffic; a miniature track diagram of said track layout having disposed thereon control buttons for designation of the respective entrance and exit points; a conditioning relay for each of the track switches; normal and reverse switch control relays for each of the track switches and each relay provided with a single pick-up winding; circuit means responsive to entrance designation for energizing said conditioning relay for each track switch that can be trailed in a normal position in an available route emanating from that entrance point; a completion circuit network for the energization of said normal and reverse switch control relays responsive to exit designation, such circuit network having feed points at its ends corresponding to the respective exit points for both directions of traffic and having circuit portions including contacts of said conditioning relays and said normal and reverse switch control relays effective to energize the single pick-up winding, irrespective of the direction of traffic, for the switch control relay for each track switch corresponding to the required position for such track switch in an available route extending between designated entrance and exit points, such energization being initially effective for but one relay at a time in a cascade manner, starting with a switch control relay for the track switch in the route nearest the designated exit point; and switch operating means responsive to the energization of the normal or the reverse switch position selecting relay for each of the track switches for aligning each route having its entrance and exit ends designated.

2,298,947
LUMINESCENT LAMP
Humboldt W. Leverenz, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1940, Serial No. 348,790
11 Claims. (Cl. 176—122)



1. A light source of high intrinsic brilliance including a luminescence activated elongated solid single crystal inorganic phosphor body transparent to its own luminescence emisson wave length having a ratio of length to minimum dimension of at least 3 to 1 capable of accumulating luminescence along its length and directing an appreciable portion of said luminescence lengthwise of said body, said body being unobstructed at at least one end whereby light accumulated over the length thereof may be utilized as a high intensity light beam and means to excite the volume of said body to luminescence along substantially its entire length.

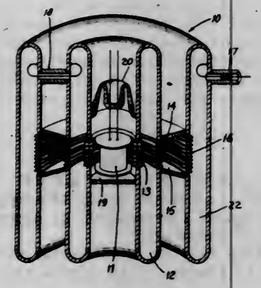
2,298,948
METHOD OF PRODUCING FINELY DIVIDED MATERIAL
Humboldt W. Leverenz, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application January 18, 1941, Serial No. 375,026
10 Claims. (Cl. 250—81)

5. The method of intimately combining a phosphor base material and a phosphor activator comprising dissolving a phosphor base and a phosphor activator in a liquefied solvent normally solid at a predetermined temperature and rapidly solidifying said solvent to crystallize said phosphor base and said phosphor activator together.

2,298,949
RADIAL FORM ULTRA-HIGH FREQUENCY TUBE
Charles V. Litton, Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 20, 1940, Serial No. 330,662
9 Claims. (Cl. 250—27.5)

1. A high frequency tube comprising, an electron emissive cathode, means for accelerating

electrons from said cathode radially in a plane about said cathode, a set of annular control electrodes mounted about said cathode in the path of said electrons, a first resonant circuit coupled to said control electrodes to alter the velocity of said electrons, an absorption electrode



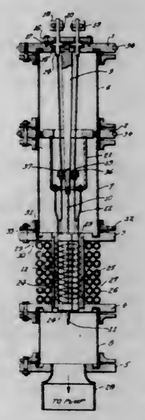
means mounted outside said first resonant chamber in the path of said altered velocity electrons, means for guiding said electrons from said control electrodes to said absorption electrode means, and a second resonant circuit coupled to said absorption electrode means.

2,298,950

DEMOUNTABLE ELECTRON DISCHARGE TUBE

Charles V. Litton, Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application August 7, 1941, Serial No. 405,730
11 Claims. (Cl. 250—27.5)



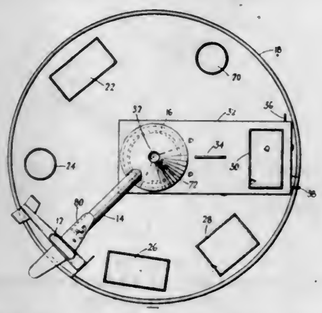
1. An electron discharge tube comprising a cathode, a control electrode and an anode each supported on an annular metallic mounting plate disposed at right-angles to the axis of the tube, a tubular glass envelope section disposed between the mounting plate for said cathode and the mounting plate for said control electrode, a further tubular glass envelope section disposed between the mounting plate for said control electrode and the mounting plate for said anode and a demountable gas-tight joint between each end of each of said tubular glass envelope sections and an adjacent mounting plate.

2,298,951

BOMBING AIRPLANE TOY

Raymond J. Lohr and Richard Nelson Carver, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York

Application April 4, 1941, Serial No. 386,784
20 Claims. (Cl. 273—95)



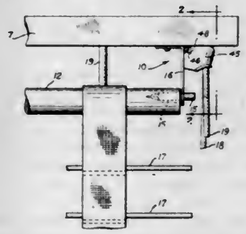
1. A ball-dropping toy comprising a pylon or tower, a hollow arm rotatably mounted on said tower, a simulated flying toy mounted on said arm for simulated flight about the tower, an opening whereby balls may be loaded into said hollow arm for discharge at the flying toy, ball-releasing means at the end of said arm, a rigid mechanically movable operating means therefor extending along said arm and mounted for turning movement about its longitudinal axis, and a remote ball-control means for so turning said operating means about its longitudinal axis as to permit the dropping of a ball, without interfering with rotation of the arm and operating means about the tower.

2,298,952

VENETIAN BLIND CORD LOCK

Hans K. Lorentzen, Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York

Original application August 17, 1940, Serial No. 353,020. Divided and this application June 26, 1942, Serial No. 448,589
6 Claims. (Cl. 156—17)



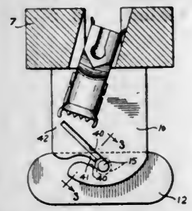
1. In a Venetian blind fitting of the type in which a U-shaped cord lock casing has a locking dog rockably mounted therein and has the mouth of the U-formation secured to a tilt bar bracket, the improvement which comprises: the locking dog being provided with integral extensions on which it rocks, the opposite sides of the U-formation being provided with notches into which the extensions are inserted, and said bracket acting to close the ends of said notches and thereby hold the dog in assembled position in the U-shaped casing.

2,298,953

VENETIAN BLIND TILT BAR BRACKET

Hans K. Lorentzen, Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York

Original application August 17, 1940, Serial No. 353,020. Divided and this application June 26, 1942, Serial No. 448,590
4 Claims. (Cl. 156—17)



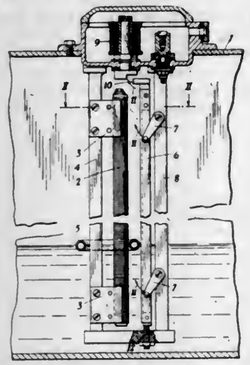
1. In a sheet metal bracket for supporting an end of a Venetian blind tilt bar having a projecting pintle, the bracket having a depending leg provided with a downwardly inclined slot the bottom of which forms a bearing for the pintle; the improvement which comprises: said leg being formed with an integral downwardly inclined length of metal aligned with the slot and acting to prevent sidewise movement of the pintle out of the slot, the length of metal being adapted to be flexed to thereby provide clearance for sidewise insertion and removal of said pintle.

2,298,954

ELECTRICAL LIQUID-LEVEL INDICATOR

William Thomas Marchment, London, England

Application June 2, 1941, Serial No. 396,358
In Great Britain July 8, 1940
6 Claims. (Cl. 73—308)



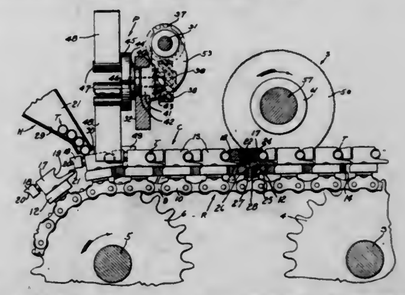
4. An electrical indicator for the level of a liquid in a container, comprising in combination, a resistor fixed in said container so as to extend between the highest and lowest levels to be indicated, a clamping member mounted adjacent and parallel to said resistor, an annular float having an electrically conducting surface and encircling and guided by said clamping member so as to be freely guided thereby during its rising and falling movements in accordance with the liquid level, and means for causing said clamping member to move towards said resistor and thereby bringing said float into electrical contact with said resistor at a point corresponding to the existing liquid level.

2,298,955

AUTOMATIC FEEDING DEVICE

Joseph Mason, Providence, R. I., and Cyril O. Benson, Brooklyn, N. Y., assignors, by mesne assignments, to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio

Application November 14, 1940, Serial No. 365,586
16 Claims. (Cl. 29—70)



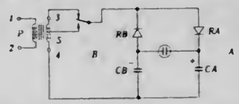
1. A feeding apparatus comprising a conveyor including parallel chains passing over coaxial sprockets at opposite ends of a run extending past a work station, a series of spaced transversely extending clamp supports each mounted on a pair of transversely registering links of said chains, a plurality of clamps mounted on the clamp supports intermediate the chains, each clamp including a jaw mounted on one support and a cooperating jaw mounted on a contiguous support, arranged to open the jaws during passage of the chains around each sprocket, and to close the jaws during the travel of the chains between the sprockets, and a feed device for supplying articles successively to transversely aligned sets of clamps during passage of the chains around the sprockets in advance of the work station.

2,298,956

SPEED-INDICATING MEANS FOR USE IN PRINTING-TELEGRAPH APPARATUS

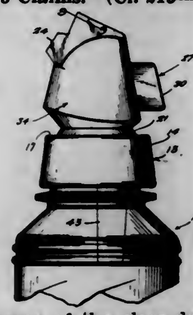
Frederick Percival Mason, Croydon, England, assignor to Creed and Company Limited, Croydon, England

Application June 21, 1941, Serial No. 399,092
In Great Britain August 16, 1940
9 Claims. (Cl. 178—69)



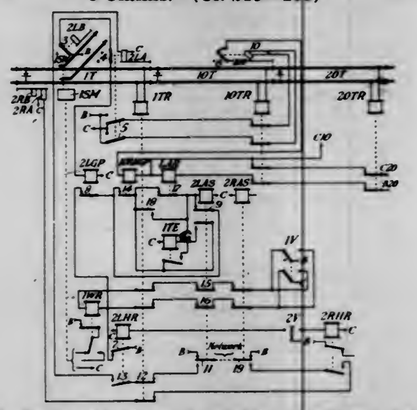
1. A system for testing the speed of printing telegraph apparatus comprising a source of signals at constant speed located at a first station, a lamp at said receiving station, means for transmitting said signals over a communication channel to a second station and means at the second station to utilise the said signals to give an indication when the said printing telegraph apparatus is rotating at correct speed, comprising a Wheatstone bridge circuit of which two adjacent arms comprise condensers, and the other two comprise rectifiers, connected to said communication channel at the ends of one diagonal, a lamp connected in the other diagonal of said bridge and rotatable apparatus driven by said printing telegraph apparatus adapted to be illuminated by said lamp and bearing marks spaced to give an indication of correct speed when viewed.

2,298,957
VALVED CLOSURE FOR DISPENSING BOTTLES
Augustine M. Mazzarelli, New York, N. Y.
Application October 13, 1941, Serial No. 414,839
5 Claims. (Cl. 215—74)



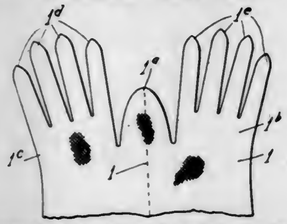
2. In a closure of the class described, a body composed of duplicate companion half-sections secured together in aligned and opposed relationship, the adjacent meeting faces of the sections being cored to provide air and liquid passages and a plunger accommodation chamber, the chamber being of general T-shaped form and including an air venting opening, a check shoulder, and valve element sockets, a spring in one of said sockets, a plunger in said chamber, said plunger having portions for coordination with the companionate portion of the chamber and further including an externally protruding thumb-piece.

2,298,958
RAILWAY TRAFFIC CONTROLLING APPARATUS
Ronald A. McCann, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 5, 1941, Serial No. 417,892
3 Claims. (Cl. 246—169)



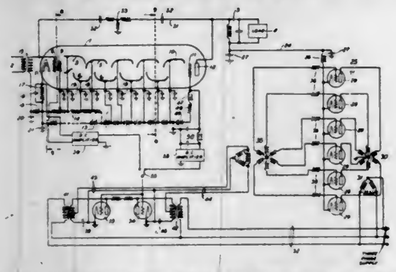
1. In combination, a stretch of railway track including a track switch, a home signal for governing traffic movements over said switch, an approach locking relay, circuits for controlling the operation of the switch including front contacts of said approach locking relay, a distant signal for governing the movement of traffic approaching said home signal, a plurality of pick-up circuits for said approach locking relay each including a first contact closed only when said home signal indicates stop and a second contact closed only when said distant signal displays a restrictive indication, and a stick circuit for said approach locking relay including said first contact but not including said second contact.

2,298,959
GLOVE FOR EITHER HAND
Marjorie L. McClurken, La Mesa, Calif.
Application December 16, 1939, Serial No. 309,615
2 Claims. (Cl. 2—169)



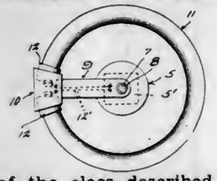
1. A glove adapted to be worn on either hand comprising a one piece blank cut along its upper edge to form a central symmetrical thumb portion and adjacent finger outlining portions, said central thumb portion extending to the bottom of the blank and separating the front and back portions of the glove the full length thereof, said blank being folded on the medial center line of the thumb portion to form one side edge of the glove and permitting the thumb to be inserted in the plane of the glove throughout the full length of the folded thumb portion without passing between the front and back portions, and a one piece thumb and finger connecting fourchette extending from the apex of the folded thumb portion to the diagonally opposite side of the bottom of the blank.

2,298,960
AMPLIFICATION WITH HIGH EFFICIENCY
James W. McRae, Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 15, 1940, Serial No. 352,722
8 Claims. (Cl. 179—171)



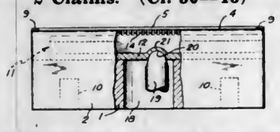
1. In combination with an electron multiplier device comprising a succession of emitter plates and an anode or output electrode, a resonant load circuit coupled to said anode, means transmitting short unidirectional current impulses through said multiplier and into said load circuit in synchronism with the fundamental frequency oscillations in said circuit, means to cause said impulses to vary in amplitude in accordance with information to be transmitted, a source of anode voltage, and means controlled by said impulses of current for varying the voltage of said source in correspondence with the variations in amplitude of said impulses.

2,298,961
FLUORESCENT LAMP
Earl F. Miller, Creve Coeur, Ill.
Application November 22, 1941, Serial No. 420,123
1 Claim. (Cl. 176—122)



A lamp of the class described comprising a cylindrical container for a transformer, an outlet socket plug extending axially from one end of the container for attachment in an outlet socket to connect one side of the transformer with a source of electric energy, a radial arm detachably secured at one end to the other end of the container and provided at its other end with a hollow member having a pair of tube holders in opposite ends thereof, said arm being hollow for the extension of leads therethrough from the other side of said transformer to said holders, and a fluorescent tube having the form of a transversely slit annulus, the ends of the tube being mounted in said holders to dispose the tube in concentric relation to said container.

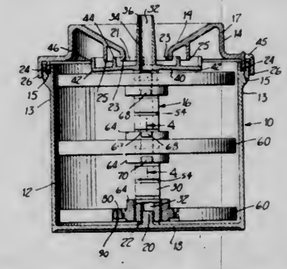
2,298,962
DRY SHAVER
Thomas J. Murphy, Stamford, Conn.
Application May 10, 1939, Serial No. 272,807
2 Claims. (Cl. 30—43)



1. In a hair cutting device of the character described, a cutter head comprising a mounting block, plates secured to the opposite side faces of the block and extending beyond the top edge thereof, the upper edges of the plates being extended inwardly toward each other and inclined backwardly in opposite directions forming flanges having substantially flat oppositely inclined outer surfaces to engage the surface of the skin and with the free edges of these flanges separated by a central longitudinal slot, one of these flanges being plain to form a guiding surface on the skin and the other flange including a set of spaced guard and cutter teeth extending in a direction transversely of the slot with their free ends forming one edge thereof, and a longitudinally reciprocable cutter mounted between the plates on said block and having a row of spaced cutter teeth extending in a direction transversely of the slot with their free ends at the edge of the slot and located back of the first teeth to cooperate therewith.

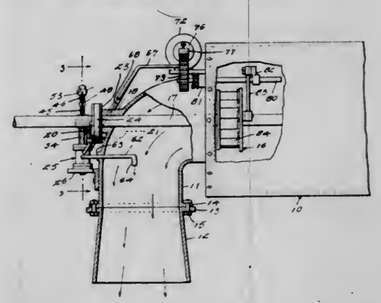
2,298,963
FILM PROCESSING TANK
William E. Naylor and Lawrence R. Fink, New York, N. Y., assignors to Fink-Roselieve Co. Inc., New York, N. Y., a corporation of New York
Application May 18, 1939, Serial No. 274,331
4 Claims. (Cl. 95—90.5)

1. A film processing tank comprising a casing, a cover therefor provided with a downwardly extending funnel, an annular flange defining the mouth of the funnel, and a film supporting reel disposed within the casing comprising a shaft, having an outwardly extending platform formed



thereon, annular upwardly extending concentric walls on the platforms, the funnel flange interfitting with certain of the platform walls in light tight relationship.

2,298,964
GOVERNOR FOR REGULATING SPEED OF WATER WHEELS
Nelson J. Pepin, Lowell, Mass.
Application January 15, 1941, Serial No. 374,595
3 Claims. (Cl. 137—158)

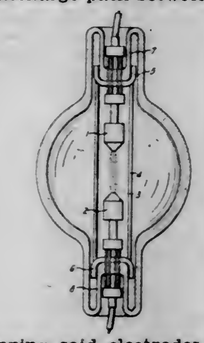


1. A speed regulating means for a water actuated power member interposed in a water duct, said means including a gate interposed in said duct on the intake side of said power member, a suction operated gate operating member connected with said power member, and a suction pipe extending from said operating member and extending into said duct on the outlet side of said power member.

2,298,965
ELECTRICAL DISCHARGE DEVICE
Rudolf Pellmann, Velten, near Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application May 2, 1941, Serial No. 391,579
In Germany March 13, 1940
9 Claims. (Cl. 176—122)

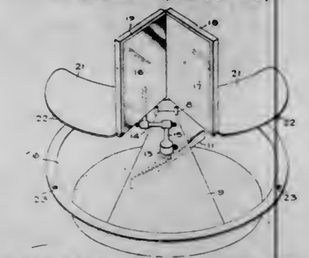
1. In an electrical discharge device, an envelope, a pair of operating electrodes capable of sustaining a discharge in said envelope, and means for stabilizing a discharge between said electrodes, said means consisting of a pair of supports disposed between said electrodes and said envelope and a series of rod members equally spaced around and extending substantially paral-

lel to the discharge path between said electrodes



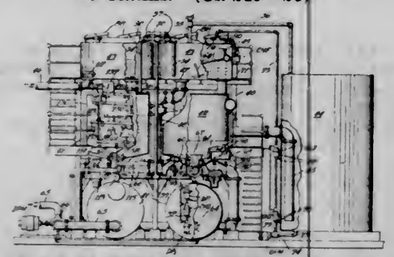
and overlapping said electrodes to engage said supports.

2,298,966
KALEIDOSCOPE
Paul Henry Quackenbush, Herkimer, N. Y., assignor to H. M. Quackenbush, Inc., Herkimer, N. Y., a corporation of New York
Application September 9, 1941, Serial No. 410,209
2 Claims. (Cl. 88—15)



1. In a kaleidoscope, the combination of a pair of approximately vertical reflecting surfaces mounted at an appropriate angle to one another; means for sustaining a bath of liquid beneath said surfaces with the surface of the bath exposed; pattern forming objects sustained by said bath in position to be viewed directly and by reflection in said mirrors; and means operable to cause the liquid in said bath to circulate.

2,298,967
LIQUID WEIGHING APPARATUS
Henry Richardson, Passaic, N. J., assignor to Richardson Scale Company, Clifton, N. J., a corporation of New Jersey
Application July 27, 1938, Serial No. 221,617
16 Claims. (Cl. 249—26)

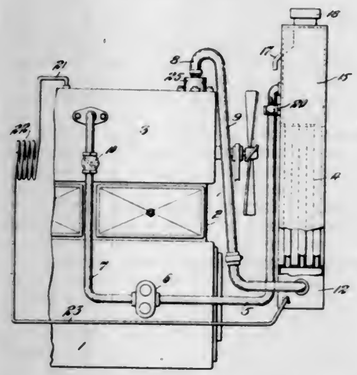


1. In a liquid weighing apparatus, a container; feed and discharge valves for supplying liquid to said container and for removing it therefrom, respectively; and a scale system comprising a weigh beam and a tare beam associated with said container, and means including an electric motor and switch means therefor governed automatically by the weigh beam for closing the feed valve and opening the discharge valve when said container has received a predetermined mass of liquid and switch means for said motor controlled automatically by the tare beam and for closing the discharge valve when only a predetermined permanent liquid tare remains in the container.

2,298,968
FLUORESCENT COATING AND METHOD OF MANUFACTURE
Willard A. Roberts, Cleveland, and Hannah T. Geissbuhler, East Cleveland, Ohio, assignors to General Electric Company, a corporation of New York
No Drawing. Application March 14, 1940, Serial No. 323,982
5 Claims. (Cl. 176—122)

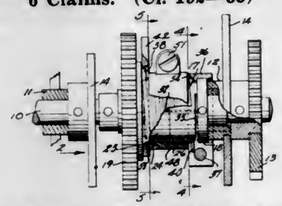
1. The method of coating the interior surface of the glass envelope of an electric discharge device with a finely divided fluorescent material which comprises mixing about ½ to 15 per cent of boric acid with the fluorescent material and suspending the mixture in a volatilizable binder comprising a cellulosic ester, applying a coating of the suspension to the surface of the envelope and then firing the envelope to volatilize the binder and convert the boric acid to boric oxide.

2,298,969
MOTOR COOLING AND VEHICLE BODY HEATING SYSTEM
Samuel Willis Rushmore, Plainfield, N. J.
Application March 27, 1942, Serial No. 436,395
3 Claims. (Cl. 123—174)



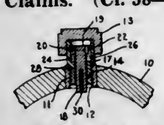
1. An internal combustion engine having a boiling and condensing cycle cooling system including an engine water jacket and a radiator providing normally separate, non-interflow, fluid reservoirs, means for circulating a cooling medium from the jacket through the radiator and pressure responsive valve means associated with the circulating means to be operative on motor operation to maintain a pressure in the engine jacket materially higher than the pressure in the radiator and adapted to permit return flow from the radiator to the jacket responsive to vacuum in the jacket incident to cooling of the engine.

2,298,970
SPRING CLUTCH
Alva G. Russell and Alfred Burckhardt, Stamford, and Samuel E. Calhoun, Springdale, Conn., assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware
Application March 1, 1941, Serial No. 381,238
6 Claims. (Cl. 192—33)



1. In a spring clutch mechanism, a coil spring, a driving member having a diametrically yieldable arbor portion extending within one end of the coil spring, a driven member having a diametrically yieldable arbor portion extending within the other end of the coil spring, and means to provide for the contraction of the spring diametrically, whereby the spring is adapted to become spirally wound around both the driving and driven yieldable arbor portions, with said arbors yielding sufficiently to effect a pressure opposing the spirally wound spring pressure to effect a positive clamping grip.

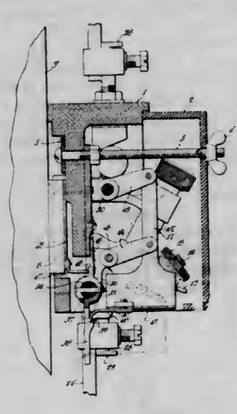
2,298,971
WATCHCASE
Max Schechmer, Flushing, N. Y.
Application January 28, 1941, Serial No. 376,261
3 Claims. (Cl. 58—90)



1. In a watch having a stem and an aperture in its periphery for said stem; a bushing mounted in said aperture, threads on said bushing, a tubular sleeve which is adapted to be threaded on said bushing and seal the same, a crown fixedly mounted on the outer end of said tubular sleeve, an internal shoulder in said sleeve, there being recesses in said shoulder and an auxiliary stem adapted to engage the stem of the watch, said stem being mounted in said sleeve and longitudinally slidable therein, a head on said stem and pins on the lower side of said head which engage said recesses.

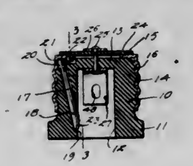
2,298,972
CUTOUT
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application January 27, 1941, Serial No. 376,053
17 Claims. (Cl. 200—116)

17. A multiple circuit protective device for attachment to a transformer provided with a casing, said device comprising a housing having a heat conducting member adapted to contact with a casing of a transformer, a relatively fixed fuse tube located within said housing, a fuse link within said fuse tube, a normally closed switch in series with said fuse link, a rock shaft for moving said switch towards open position, said rock shaft being biased towards switch opening motion, an indicator operatively connected to said rock shaft and projected outwardly of said housing when said rock shaft moves to switch open position, a latch for normally restraining said rock shaft against motion, thermally responsive means operatively associated with said heat



conducting portion for releasing said latch, manual means for releasing said latch, and means controlled by said fuse link for releasing said latch.

2,298,973
ELECTRIC ATTACHMENT PLUG
Walter J. Scrimshaw, New Orleans, La.
Application December 23, 1940, Serial No. 371,435
1 Claim. (Cl. 173—343)

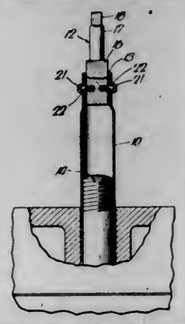


An electrical connector comprising a one-piece, hollow, peripherally threaded insulating body having a closed inner and an open outer end, said body being formed axially with a socket opening at said outer end, a cutout in and disposed diametrically of the outer periphery of said inner end and an inwardly inclined passage opening at its rear end into the outer portion of said cutout and at its front end into said socket rearwardly of the mouth of the latter and rearwardly of the said outer end, said cutout opening at the outer side face of said body, a threaded sleeve of conducting material encompassing and threadedly engaging with said body and formed with an inwardly extending annular flange seated against said cutout, an inclined resilient contact disposed in said passage and extending at one end into said socket and at its other end into said cutout, an extension on the other end of said contact arranged in said cutout, an insulating plate positioned against the outer face of said flange, means for securing said extension against the inner face of said flange, a U-shaped contact member arranged within and having its bight positioned against the base of said socket, and means for securing said U-shaped contact member, said body and said insulating plate together, said U-shaped contact member having its legs formed lengthwise thereof with slots.

2,298,974
GLASS-TO-METAL SEAL
George Robert Shaw, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application November 30, 1939, Serial No. 306,972
1 Claim. (Cl. 49—81)

The method of joining a metal body having a nickel surface to a glass body, the metal and glass having widely different coefficients of thermal expansion, which comprises firing the metal in a hydrocarbon gas and then heating the metal and glass bodies in contact to sealing temperature.

2,298,975
CORROSION CUTTER
John W. Shelburne, Hannibal, Mo.
Application October 12, 1940, Serial No. 360,892
2 Claims. (Cl. 77—69)



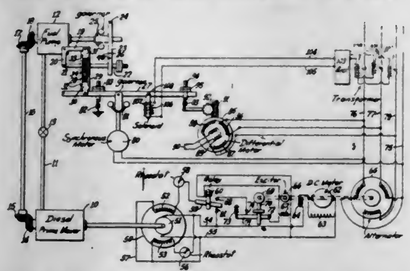
1. In a corrosion cutter in combination, a tubular body having an annular series of cutting teeth at one end, and being angular in cross-section adjacent its opposite end, a turning shank projecting into such angular section, and a rubber filler interposed between the shank and the walls of such section, and being nonrotative relative to both of such elements.

2,298,976
CHEMICAL TITRATION METHOD
Clifford A. Shillinglaw and Max Levine, Ames, Iowa, assignors to American Bottlers of Carbonated Beverages, Washington, D. C., a corporation
No Drawing. Application May 20, 1940, Serial No. 336,264
6 Claims. (Cl. 23—230)

5. A method of titration to determine the caustic strength of solutions containing caustic and aluminates, comprising rendering visible the caustic condition of said solution by the indicator, sodium-indigodisulphonate, and measuring the causticity by adding portions of solid potassium bisulfate, each of said portions being equivalent to a predetermined proportion by weight of sodium hydroxide.

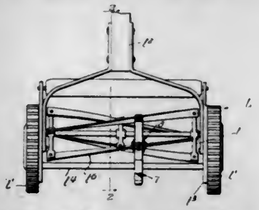
2,298,977
SYSTEM OF ELECTRIC CURRENT GENERATION
Eugene Silber, New York, and Vernon Roosa, Ardsley, N. Y.
Application October 4, 1941, Serial No. 414,618
17 Claims. (Cl. 290—40)

1. A power generating system comprising a D. C. generator, a prime mover connected to drive said generator, an alternator, a D. C. motor driven by said generator connected to drive said alternator, a governor responsive to the speed of the alternator, and connected to vary the



power input to the prime mover whereby variations in load of the alternator will vary the speed of the prime mover, to maintain a constant speed of said alternator.

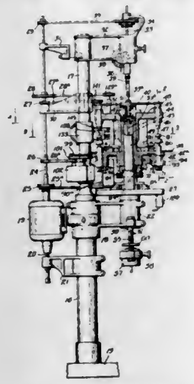
2,298,978
LAWN MOWER SHARPENER
Alfred Silfen, Berkeley, Ill.
Application May 26, 1941, Serial No. 395,193
4 Claims. (Cl. 76—82.1)



1. A bracket and file assembly adapted to form a part of a lawn mower sharpener of the bar type and comprising a bracket slidably mounted on one end of the bar and consisting of a U-shaped clip embodying a cross leg fitting against the bottom face of said one end of the bar and having a lawn mower blade receiving guide slot in its central portion and the portions thereof that define the sides of the slot depressed to form a pair of opposed seats above the slot, and also embodying a pair of upstanding side legs projecting upwardly from the ends of the cross leg and above the side edges of said one end of the bar and having opposed openings in the central portions thereof, and a cross piece over said one end of the bar having its ends extending through the openings in said side legs of the clip, and provided at its central portion with bar engaging means for urging it and the clip upwards relatively to said other end of the bar, and an elongated blade sharpening file over the guide slot, extending transversely across the bottom face of said one end of the bar and having the side margins thereof fitting snugly within the seats.

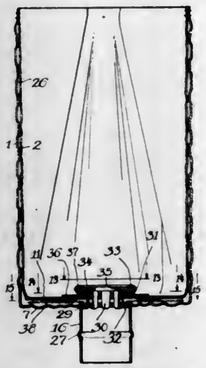
2,298,979
AUTOMATIC DRILLING MACHINE
Aaron Simons, Bronx, N. Y.
Application March 15, 1940, Serial No. 324,028
19 Claims. (Cl. 51—71)

1. A machine of the class described comprising a pair of intermittently rotatable members coupled together for simultaneous movement, one member supporting a plurality of drill chucks with means adjustably supporting drills therein, the other member having a plurality of yieldable workpiece supporting elements disposed in vertical alinement with said chucks, means automatically rotating the drills at high speed, means for intermittently moving workpieces supported on said elements toward and from said drills in the operation of drilling the workpieces, means intermittently rotating said members step



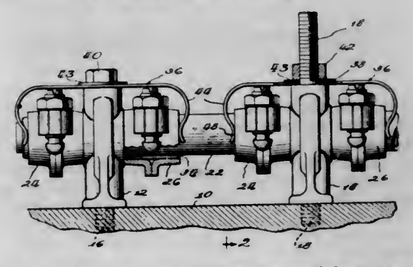
by step to bring, in one complete cycle of operation, all of the drills and workpieces into one predetermined position, means at said predetermined position for moving each workpiece away from the companion drill, and means at said predetermined position for automatically grinding the end of a drill supported at said position to sharpen the same.

2,298,980
FILTER AND METHOD OF PRODUCING SAME
Edward C. Sloan and Augustus H. Eberman, Geneva, Ill., assignors to Jesse B. Hawley, Geneva, Ill.
Application August 30, 1940, Serial No. 354,808
14 Claims. (Cl. 210—204)



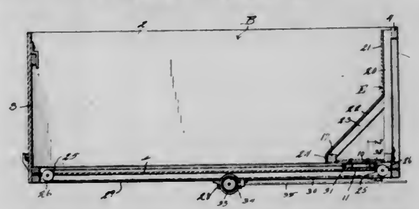
1. A fibrous filter member formed of accreted fibrous pulp, comprising separate inner and outer porous, interlaced, fibrous shells having contacting side walls, secured together at their free edges and having roughened surfaces on their adjacent faces to provide intercommunicating spaces therebetween, said member having a substantially rigid base provided with an outlet leading from the spaces between the shell to the outside, the upper portion of the filter member having around its circumference a substantial number of inwardly extending folds, some of said folds extending inwardly farther than others so that each alternate pair of inwardly extending portions extend a substantial distance inwardly and has therebetween a pair of inwardly extending portions extending a less distance inwardly, said shells being free of any supporting member between their side walls.

2,298,981
ROCKER ARM ASSEMBLY
Harold G. Smith, Chicago, Ill., assignor to The Buda Company, Harvey, Ill., a corporation of Illinois
Application May 24, 1941, Serial No. 394,982
9 Claims. (Cl. 123—90)



1. A rocker arm assembly comprising a supporting bracket, a stud for securing said bracket to a motor block, a shaft carried by said bracket, a rocker arm mounted on said shaft on each side of said bracket, a spring clip having a centrally located opening for receiving said stud and downwardly-extending, bifurcated arms terminating in ends lying on opposite sides of said shaft and pressing said rocker arms against said bracket, and a nut on said stud for retaining said spring clip and bracket in place, said spring clip resiliently holding said nut against rotation and exerting axially directed pressure on said rocker arms substantially in a plane passing through the axis of said shaft.

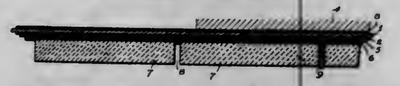
2,298,982
DUMPING BODY
Scott E. Smith, Salem, Oreg.
Application November 7, 1941, Serial No. 418,258
2 Claims. (Cl. 214—82)



1. A carrier body having a head end and a discharge end and a floor, spaced sills mounted upon the floor and extending substantially from one end of the body to the other, said sills being at substantially the transverse center of the floor, a plate mounted on the sills and bridging the space therebetween, said plate being of a length substantially coextensive to the length of the sills, said plate having a slot extending from

substantially one end to the other, a pusher element within the body and mounted upon the floor of the body for movement from one end to the other, a runner positioned between the sills, upstanding pins carried by the runner and extending through the slot of the plate and operatively engaged with the pusher element, said pins holding the runner in suspension from the pusher element, and means operatively engaged with the runner for moving the pusher element in either direction along the floor of the body, said pusher element including shoes riding on the floor of the body.

2,298,983
PREFABRICATED TILE SHEATHING
Ernest R. Stabe, New York, N. Y.
Application April 27, 1940, Serial No. 332,024
2 Claims. (Cl. 72—22)



1. A prefabricated tile sheathing including a sheet material support, a primary layer of adhesive on one surface of said support, a flexible sheet material waterproofing member engaging said primary layer of adhesive flatwise, a secondary layer of self-hardening adhesive on the surface of said waterproofing member, and tile partly embedded in said secondary layer of adhesive.

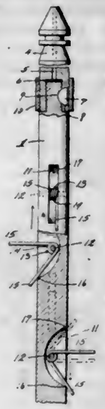
2,298,984
IRON OXIDE WEIGHTING MATERIAL FOR DRILLING MUDS
Thane K. Stinson, East St. Louis, Ill., and Lorenz K. Ayers, St. Louis, Mo., assignors, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 28, 1937, Serial No. 145,380
8 Claims. (Cl. 252—8.5)

1. The process of producing iron oxide weighting materials for use in drilling muds which comprises calcining pyrite cinder at a temperature of at least 1800° F. and in the presence of an alkali metal salt accelerating agent to reduce its sulfide and sulfate content, grinding it, and washing out substantially all of the soluble salts present.

8. A weighting material for drilling muds comprising pyrite cinder of a mesh suitable for suspension in a drilling mud and containing sufficient of an alkaline agent to inhibit viscosity increase of the drilling mud by the material.

2,298,985
PARAFFIN CLEANER FOR OIL WELLS
Cuthbert A. Still, Alta Loma, and Aldrich C. Still, Galveston, Tex.
Application September 5, 1940, Serial No. 355,512
1 Claim. (Cl. 166—18)

A paraffin cleaner for oil wells comprising an elongated body designed for passage through a well pipe, said body having a plurality of recesses therein, a cleaner unit for each recess and having two working positions with respect thereto, each unit comprising an inner portion located in a recess and a pair of fingers extending in divergent relation from the inner portion, and means pivotally connecting each inner portion with the body for oscillation on an axis extending transversely of the body, the angle between the fingers being such that upon oscillation of the unit to the extreme of either of its two working positions, one finger will engage the body and the other finger will extend therefrom perpendicular to the long axis of the body.

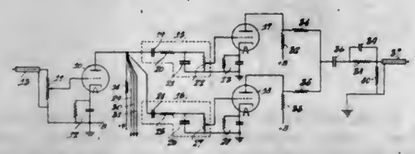


2,298,986
CUSHIONING MATERIAL OF SPONGELIKE OR CELLULAR RUBBER
Stanley Douglas Taylor and Evelyn William Madge, Sutton Coldfield, and Edward Arthur Murphy, Wylde Green, England, assignors to Dunlop Rubber Company Limited, London County, England, a British company
Application January 28, 1941, Serial No. 376,272
In Great Britain February 7, 1940
12 Claims. (Cl. 18—59)



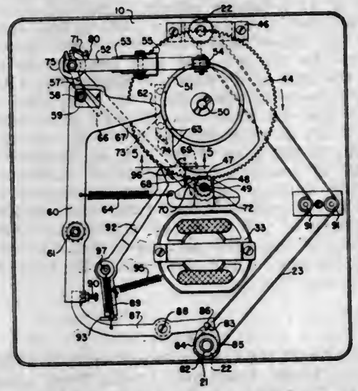
1. Cushioning material comprising a body of cellular rubber and hollow columns of thin open network therein and comprising compacted sheets of loosely intermingled spring fibers and a resilient adhesive.

2,298,987
AUDIO FREQUENCY SIGNAL TRANSMISSION CIRCUIT
Paul H. Thomsen, Silver Spring, Md.
Application August 30, 1940, Serial No. 354,903
13 Claims. (Cl. 179—171)



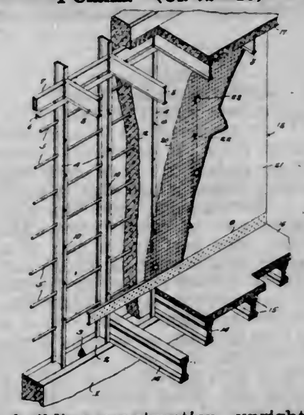
5. In an audio frequency amplifier adapted for the amplification of a multiplicity of frequencies throughout the audio frequency spectrum selectively, the combination comprising: an input circuit including an amplifier tube having a cathode and a grid connected to said input circuit and an anode, a plurality of frequency selective signal paths each consisting of a resistive-capacitive network adjusted to pass a different range of frequencies, connections for connecting said plurality of signal paths in parallel to said anode, said signal paths being adjusted so that the frequency characteristics of said amplifier may be controlled in different portions of the audio frequency spectrum by varying the output of different ones of said signal paths, an output circuit, and gang control means for controlling the signal strength fed from said plurality of signal paths to said output circuit.

2,298,988
TRIPPING MECHANISM FOR AUTOMATIC RECORD CHANGERS
Charles E. Todd, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application October 26, 1940, Serial No. 362,896
5 Claims. (Cl. 274—10)



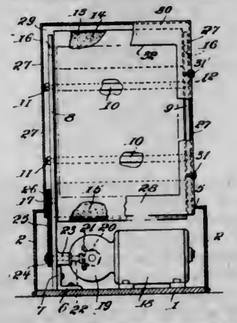
5. In an automatic phonograph having a turntable and a movable pickup arm for cooperating with a record on said turntable; initiating apparatus comprising a driving means rotatable with said turntable; coupling means slidably connected with said pickup arm and being movable thereby a predetermined distance in a first direction into the path of said driving means during a revolution of said turntable when said pickup arm is tracking a playing groove of a record on said turntable and more than said predetermined distance in said first direction during a revolution of said turntable when said pickup arm is tracking the tripping groove of a record on said turntable, said driving means moving said coupling means relative to said pick-up arm said predetermined distance opposite to said first direction after said coupling means is moved into the path of said driving means; means biasconnected to said pickup arm and associated with said coupling means for moving said coupling means in said first direction a distance greater than said predetermined distance when said pickup arm reaches a predetermined distance from the center of the turntable; and actuating means normally out of operative engagement with said driving means and adapted to be engaged by said coupling means when said coupling means is moved more than said predetermined distance in said first direction whereby said driving means and said coupling means cooperate to move said actuating means into operative engagement with said driving means.

2,298,989
BUILDING CONSTRUCTION
Ernest J. Underwood, Topeka, Kans.
Application May 20, 1940, Serial No. 336,270
1 Claim. (Cl. 72—16)



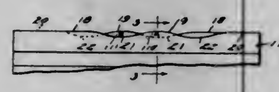
In a building construction, upright posts, a floor associated with the posts, an outer wall wherein the posts are partially embedded, an inner wall, means for securing the inner wall to certain of the posts, there being an air space between the walls, and a base piece connected to the posts adjacent to the floor, the base piece being a channel, comprising a body and outwardly extended flanges, the body being perforated, to admit air to the air space.

2,298,990
ADVERTISING DEVICE
Alf Utne, Chicago, Ill.
Application October 3, 1941, Serial No. 413,525
5 Claims. (Cl. 40—32)



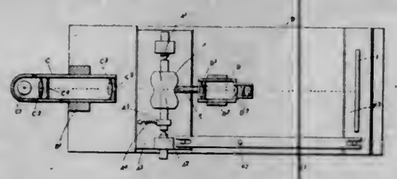
1. An advertising device comprising a housing including a lower section and a removable upper section, a base providing the bottom wall for the lower section, a pair of uprights, one of said uprights being fixed within the lower section and rising from the base for disposal above the lower section, means for removably securing the other upright to said fixed upright in spaced parallel relation thereto, rollers between the uprights and journaled therein, an endless web trained about the rollers for travel thereon, means within the lower section and associated with one of said rollers for actuating the web, said upper section providing a cover enclosing the uprights and rising from the lower section, and the upper section having a window opening therein through which the web may be observed.

2,298,991
RECORD CARD FOR USE IN CARD FILING SYSTEMS
Roscoe L. Van Nostrand, Freeport, N. Y.
Application July 2, 1941, Serial No. 400,847
2 Claims. (Cl. 129—16.5)



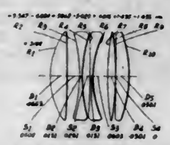
1. In a filing system, a record card comprising a body portion having a top edge, a pair of side edges and a bottom edge, said top edge being formed with a pair of concave low edge parts, a convex high edge part and a pair of straight high edge parts, said convex high edge part being located adjacent to one side of the vertical median of said body portion, said straight high parts provided by the end terminal portions of said top edge, one of said low edge parts being disposed between and merging into said convex high edge part and one of said straight edge parts, and the other low edge part being arranged between and merging into the said convex high edge part and the other one of said straight edge parts.

2,298,992
OPTICAL MEASURING OR TESTING APPARATUS
Arthur Warmisham and Richard Edmund Reason, Leicester, England, assignors to Kapella Limited, Leicester, England, a company of Great Britain
Application June 28, 1939, Serial No. 281,730
In Great Britain June 29, 1938
23 Claims. (Cl. 88—14)



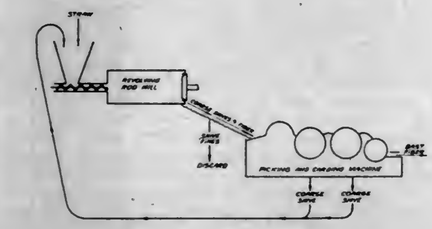
1. Optical measuring or testing apparatus for investigating a projection of the profile of an oblique or curved section of a shaped article, comprising in combination a source of light, an optical projecting device for projecting an image from an object plane on to an image plane, means for imparting relative rotational movement about an axis to the article of which a profile is to be examined and to at least part of the optical projecting device whereby points of the profile are caused successively to pass through the object plane of the projecting device, a mask for intercepting part of the light passing from the source through the object plane and the projecting device to the image plane and thereby selecting only a portion of the object plane for imaging on to the image plane, such portion being small in comparison with the length of the profile, and means for imparting relative movement to the article and to the luminous ray path controlled by the mask so correlated with the main relative movement as to maintain the point of intersection of the profile with the object plane within the small portion of the object plane selected for imaging.

2,298,993
OPTICAL OBJECTIVE
Arthur Warmisham, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application December 6, 1940, Serial No. 368,919
In Great Britain December 12, 1939
20 Claims. (Cl. 88—57)



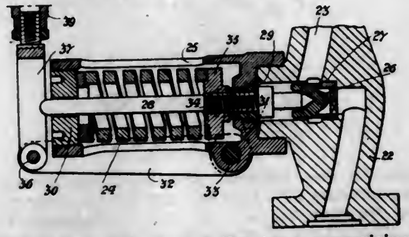
1. An optical objective for photographic or like purposes, corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, comprising five axially aligned components separated by air spaces and each consisting of a simple element, two of the components being divergent and next to one another whilst the other three are convergent and are disposed one on one side and two on the other side of the pair of divergent components, wherein the air space between the two divergent components has an axial length less than that of either of the immediately adjacent air spaces and less than 45 per cent of the sum of those of such adjacent air spaces, the radius of curvature of the front surface of the rear divergent component being greater than twice the equivalent focal length of the objective, while the radius of curvature of the rear surface of the convergent front component is not less than twice that of the front surface thereof.

2,298,994
MANUFACTURE OF PAPERMAKING FIBER
Sidney D. Wells, Combined Locks, Wis., assignor to The Institute of Paper Chemistry, a corporation of Wisconsin
Application June 25, 1941, Serial No. 399,615
2 Claims. (Cl. 19—5)



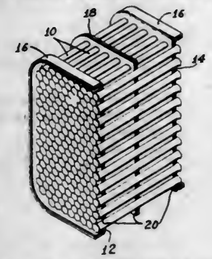
1. The method of making an improved papermaking fiber which consists in subjecting dry flax straw to a percussive treatment so as to shatter the woody parts and thereby detach most of the bast fibers from the shive parts, and subsequently subjecting the material to a carding operation so as to separate the bast fiber from the shive parts, and mechanically separating the larger particles of the shive from the smaller particles of the shive, and then repeating the percussive and carding treatments in the case of the larger particles of shive so as to salvage the bast fibers not effectively detached from the shive parts during the first percussive treatment.

2,298,995
SOOT BLOWER
Allan Murray Wilson, Clydebank, Scotland
Application February 13, 1941, Serial No. 378,727
In Great Britain November 11, 1939
3 Claims. (Cl. 122—392)



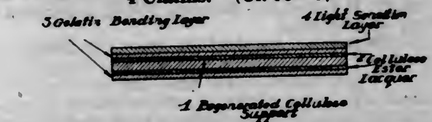
1. In a soot blower of the type comprising a tubular unit movable to and fro lengthwise of the interior of the blower in the operation thereof and embodying in its structure a nozzle and a sleeve valve which opens to pass cleaning steam to said nozzle only when the nozzle is in operative position, a conduit supplying cleaning steam to said sleeve valve, screw means applied to said unit for moving said unit so that said nozzle moves to and from said operative position, and a cam device applied to said unit and co-operating with said screw means to impart a rotational motion to the nozzle when in said operative range, the combination of a pressure-reducing valve in said conduit subjected to a valve-opening force by the steam, a valve-closing spring arranged external to the blower interior and adapted to act on said reducing valve in opposition to and with a force greater than the valve-opening force of the steam, a valve-opening mechanism applied to said reducing valve, and a cam on said tubular unit acting on said mechanism in co-operation with said spring to open said reducing valve to a fixed minute extent providing a constricted opening as said sleeve valve is opened under control of said screw means so that said reducing valve wiredraws the steam and reduces it in pressure for passage through said sleeve valve to said unit.

2,298,996
HEAT EXCHANGE APPARATUS
John E. Woods, Brookline, Mass., assignor to Clifford Manufacturing Co., Boston, Mass., a corporation of Delaware
Application April 22, 1941, Serial No. 389,769
1 Claim. (Cl. 257—128)



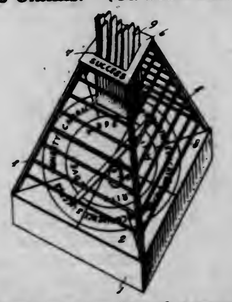
Heat exchange apparatus particularly for aircraft use comprising headers having a large number of small-diameter unflanged holes spaced by webs of header material which are narrow in comparison with the hole diameter, thin-wall tubes carried by the headers having their ends projecting beyond the outer surfaces of the headers, a predetermined amount of high-melting bonding agent peripherally bonding each tube to the headers, the projecting tube ends each being expanded into polygonal configuration with the edges of adjacent tube ends in line contact and without intervening spaces, to minimize head resistance, and a casing secured and sealed to said headers.

2,298,997
PHOTOGRAPHIC FILM
Edwin C. Yauck, Brighton, and John Dessauer, Irondequoit, N. Y., assignors to The Haloid Company, Rochester, N. Y., a corporation of New York
Application July 20, 1940, Serial No. 346,482
4 Claims. (Cl. 95—9)



1. A photographic film comprising a regenerated cellulose support of low inflammability, a cellulose ester bonding layer on said support, a bonding layer adjacent to said cellulose ester layer, and a gelatin light-sensitive layer on the bonding layer, the bonding layer including one part gelatin and nine parts glacial acetic acid and effecting a permanent chemical bond with the cellulose ester layer and with the gelatin light-sensitive layer and acting to anchor said two layers together firmly.

2,298,998
GAME
Edward V. P. Albosta, Philadelphia, Pa.
Application November 24, 1941, Serial No. 420,310
3 Claims. (Cl. 273—135)



1. In a game, a game board comprising a base, upright ladders fixed at their bottoms to marginal portions of said base, and a top member fixed to the upper ends of said ladders and having a depending well for reception of play indicators.

2,298,999
ELECTRICAL CONTACT
Wallace T. Allen, Royal Oak, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application August 3, 1940, Serial No. 350,859
3 Claims. (Cl. 200—166)



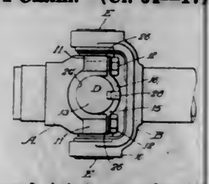
1. An electrical contact adapted to be brazed to a conducting support, comprising a body portion

of a refractory material having a surface of the contact adapted for attachment to a support having a plurality of localized heating points or areas raised from the main body portion, said surface having a bonded coating of a fusible bonding material, at least in the parts between said points or areas, said coating being applied to said contact before the brazing operation to form therewith a unitary article adapted to be subsequently applied to said support and brazed thereto with the coating forming the bonding medium.

2,299,000
ELECTRICAL CONTACT
Wallace T. Allen, Royal Oak, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application August 3, 1940, Serial No. 351,186
7 Claims. (Cl. 200—166)

1. An electrical contact comprising a refractory substantially non-welding base and a protective coating on at least the contacting surface of said contact exterior to said base, said coating being of a high conductivity, normally weldable material and of a high conductivity, normally weldable material and of sufficient thickness to substantially maintain itself under the circuit interrupting operation, but thin enough to substantially prevent adverse effect upon the non-welding characteristics of the contact.

2,299,001
UNIVERSAL JOINT
Edmund B. Anderson, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 5, 1940, Serial No. 343,951
1 Claim. (Cl. 64—17)

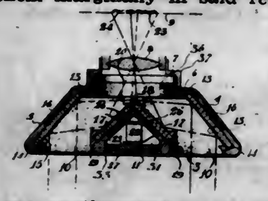


In a universal joint, a yoke having an arm provided with a bearing seat, a bearing comprising a cup one side of which is in seating engagement with said seat and an ear strap including an arched central region engaging and partially embracing the opposite side of the cup and welded thereto, and end regions forming ears which are secured to the end of said arm, said strap being formed with a finger overlapping the outer end of the bearing cup and adapted to retain the same against escape under the effect of centrifugal force in the event of the failure of said weld

---

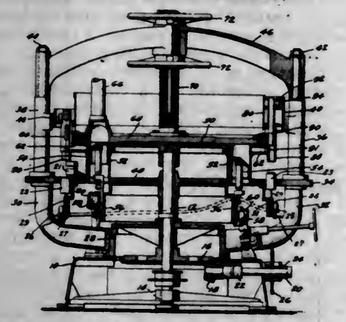
2,299,002
PHOTOGRAPHIC APPARATUS
Charles D. Austin, Cincinnati, Ohio
Application June 14, 1939, Serial No. 279,144
2 Claims. (Cl. 95—18)

1. In a device of the class described, comprising a die-formed housing having a back member containing an aperture for the admission of light to a lens adjacent thereto, a front member containing a pair of apertures in spaced relationship for the reception of light from a subject, and pairs of reflectors in said housing and located relative to one another to direct light from said front apertures respectively through said rear aperture for the formation of stereoscopic images, means constituting channel ways in said housing for receiving said reflectors and supporting them marginally in said relative posi-



tions to one another and means intermediate said housing and said mirrors for exerting yielding pressure on said mirrors to maintain them in predetermined positions in said channel ways.

2,299,003
FILLING MACHINE
Harold R. Baldwin, Carpentersville, Ill., assignor to Elgin Manufacturing Company, a corporation of Illinois
Application April 17, 1940, Serial No. 330,177
7 Claims. (Cl. 226—96)

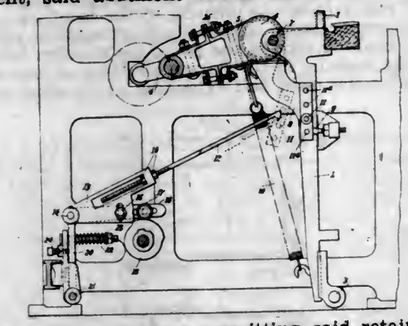


1. In valve construction for filling machines, a valve housing having a rectangular vertically positioned chamber therein, said chamber having an inlet port in one wall thereof, said port being rectangular and positioned cross-wise to the length of said chamber, the discharge outlet therefrom being at the lower end and a valve plug fitted in said chamber and capable of reciprocation therein.

2,299,004
BEATING UP MECHANISM FOR LOOMS, ESPECIALLY FOR MANUFACTURING TERRY TOWELING
Gustav Berg, Glasgow, Scotland
Application April 1, 1940, Serial No. 327,264
In Great Britain April 12, 1939
8 Claims. (Cl. 139—26)

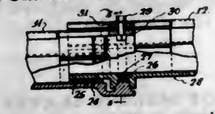
1. A beating up mechanism of the type stated for use in the production of pile fabric, comprising a reed structure constituted by the reed and associated supporting parts, actuating means to impart beating up movement to the reed structure; connecting means between said actuating means and the reed structure, said connecting means including an eccentric, rotation of which is effective to vary the beating up movement of the reed; means tending to hold the eccentric in a position of maximum rotation; means for effecting rotation in one sense of said eccentric for varying the beating up movement of the reed

structure on one stroke as compared with another, said means comprising abutment means on said eccentric and holding means including a retaining member controllable to engage with, and to leave free during the beating up movement, said abutment means on the eccentric;



and adjusting means permitting said retaining means to be set to engage the co-operating abutment means at varying points in the angular movement of the reed structure during the beating up movement, thus permitting adjustment of the extent of the variation of the beating up movement.

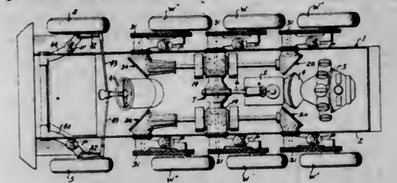
2,299,005
CONNECTING MEANS FOR SHAKER CONVEYER TROUGH LINES
Roy S. Bigelow, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March, 22, 1940, Serial No. 325,330
4 Claims. (Cl. 198—220)



1. A connecting means for a pair of conveyer troughs including a recessed member associated with one trough, a projecting tongue associated with another of said troughs and adapted to have engagement with the recess of said recessed member, and means for preventing disengagement of said tongue and recess during reciprocation of the conveyer including connecting means extending through overlapping laterally projecting parts of said troughs, the connection between said parts and said connecting means being such as to permit said connecting means to maintain said troughs in connected engagement with each other, but to relieve said connecting means from shearing stresses during reciprocation of the conveyer.

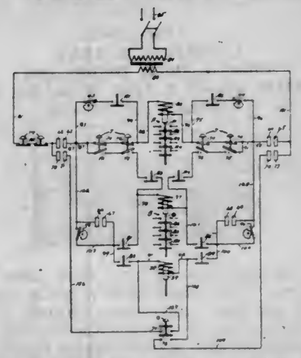
2,299,006
AUTOMOTIVE VEHICLE
Floyd de L. Brown, New York, N. Y.
Application June 5, 1939, Serial No. 277,553
5 Claims. (Cl. 180—22)

1. In a driving mechanism for a mobile unit, a frame, a pair of directly driven shafts having two bevel gears mounted thereon in spaced relation, a pair of ground wheels carried by said frame and laterally offset from said directly driven shafts, means including sprocket wheels on said shafts and wheels and chains to operatively connect said directly driven shafts to said pair of wheels, a primary set of bevel gears comprising two pairs of bevel gears, each pair in said primary set of bevel gears engaging one of said bevel gears mounted on said directly driven shafts, a secondary set of bevel gears comprising four pairs of bevel gears, each bevel gear in a pair being disposed at right angles to and engaging with the other in the pair, rotatable shafts rigidly mounted on said frame to operatively connect each of the bevel gears in the



primary set to one bevel gear in each pair of bevel gears in the secondary set, stub shafts extending from the other of said bevel gears in each pair of gears in the secondary set, a sprocket wheel mounted on each of said stub shafts, a ground wheel laterally offset from each stub shaft and a sprocket wheel mounted on the hub portion thereof, and a sprocket chain operatively connecting the said sprocket wheels.

2,299,007
CONTROL SYSTEM FOR CYCLICALLY OPERATING MACHINES
Oswald M. Bundy, Cleveland Heights, Ohio, assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio
Application March 22, 1940, Serial No. 325,481
10 Claims. (Cl. 175—335)

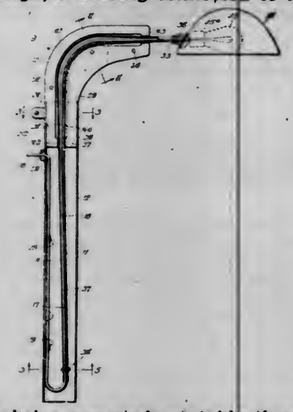


1. In a control system for machines of the type comprising means for starting and stopping the machine responsive to energization and de-energization of electro-magnetic means; a source of electric current; a magnetic contactor having a normally open contact; an operator's push-button having a normally open contact; a circuit including the push-button contact and parallel branches, one branch including the winding of the magnetic contactor and the other branch including the said contact of the magnetic contactor and said electro-magnetic means.

2,299,008
EXTENSION DEVICE
Harold L. De Lisle, Sheboygan, Wis.
Application May 19, 1941, Serial No. 394,055
4 Claims. (Cl. 248—285)

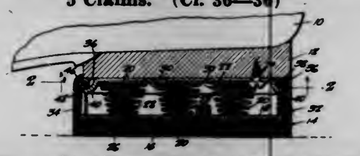
1. In an extension lamp device, the combination of a pair of superposed steel tapes having a

naturally slightly arcuate cross-section, an electric light cord disposed between said tapes throughout, an elbow member having a bore therethrough for the passage of the tapes, said elbow changing the direction of the tapes and at the same time permitting the passage of the cord therethrough, a housing connected to the elbow,



the elbow being mounted rotatably thereon, said housing having a hollow portion adapted to receive the inner ends of said tapes in varying amounts when retracted the tapes therein resuming their naturally arcuate cross-section, and an electric lamp beyond the elbow at the outer ends of said tapes and supported thereby when the tapes are extended.

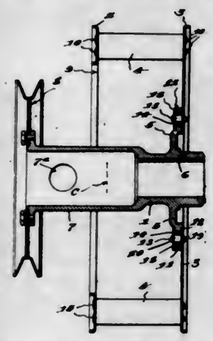
2,299,009
CUSHIONED HEEL
Albert J. Denk, Delphi, Ind.
Application August 9, 1941, Serial No. 406,194
5 Claims. (Cl. 36—36)



1. In combination with a shoe heel portion, a cushioned heel comprising a plate secured to said heel portion, said plate having a margin shaped to provide a space between the margin and said heel portion, a heel section having a flexible wall provided with a bead lying in said space, means for drawing said bead into firm engagement with said margin and said heel portion, cone springs interposed between said plate and said heel section, said heel section and said wall comprising rubber, and fabric reinforcement secured to the inner face of said wall and embedded in said bead.

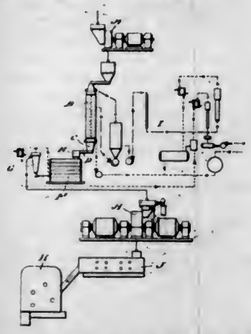
2,299,010
FAN CONSTRUCTION FOR AIR-COOLED ENGINES
Carl T. Doman, Geddes, N. Y., assignor to Air-cooled Motors Corporation, Syracuse, N. Y., a corporation of New York
Application August 15, 1939, Serial No. 290,276
1 Claim. (Cl. 64—27)

In a fan rotor construction for air-cooled engines comprising a hub having an annular flange and a discoidal head having its inner margin lapping the flange, the flange and the head having alined openings therethrough and the opening in the flange being of greater diameter than that in the head, a fastening member extending axially through the alined openings and formed with a shoulder thrusting against the margin of the wall around the opening in the head, an axially compressible and radially expansible resilient bushing around the fastening member within the opening in the flange, abutting at one end against the head and extending at its other end



out of the opening in the flange, an abutment at the end of the fastening member opposite to that attached to the head, and located outside of the opening in the flange, the fastening member having a shoulder for limiting the movement of the abutment toward the flange and holding it spaced from the wall of the flange around the opening therein, the abutment thrusting against the end of the bushing outside of the opening in the flange, and means for compressing the abutment against the end of the bushing.

2,299,011
PROCESS OF MAKING LEATHER FLOUR FROM WASTE LEATHER
Robert R. Emmitt, Williamsport, Pa., assignor of one-third to W. Clyde Harer, Williamsport, Pa.
Application July 19, 1938, Serial No. 220,137
5 Claims. (Cl. 83—94)



1. The process of making leather flour from waste leather which is first mechanically disintegrating the leather, second degreasing the disintegrated leather mass of material, third drying the mass of degreased material, fourth compacting the dried mass of material and finally cutting the compacted mass into flour by a shearing action.

2,299,012
SYMMETRICAL DISUBSTITUTED ALKYLOL GUANIDINES
Walter P. Ericks, Cos Cob, and James H. Williams, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application January 30, 1941, Serial No. 376,619
1 Claim. (Cl. 260—564)

As a new product, 1,3-didodecyl-2-ethoxyethoxyethylol guanidine.

2,299,013
CATALYTIC OXIDATION OF KETONES
Walter Flemming, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 1, 1940, Serial No. 321,767. In Germany March 1, 1939
4 Claims. (Cl. 260—537)

1. The process for the production of acids which comprises oxidizing a ketone in the liquid phase by means of a gas comprising oxygen in the presence of a nitrate of a metal which in the form of its oxide is useful as a catalyst in the oxidation of ketones to acids.

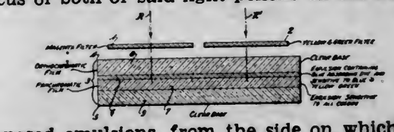
2,299,014
TRANSFER DUPLICATING SHEET
William D. Foster, Mineola, N. Y., assignor to Manifold Supplies Company, Brooklyn, N. Y., a corporation of New York
Application December 1, 1939, Serial No. 307,067
7 Claims. (Cl. 282—28)



1. As a new article of manufacture, a transfer duplicating sheet for the hectographic process of spirit duplicating, comprising in combination a base constituted of a sheet of paper and a deposit of hectographic transfer duplicating ink in the form of a non-fusible and plastic mass and applied to said paper with cold pressure, said ink being constituted of a hectographic transfer duplicating coloring agent uniformly distributed in a carrier medium of substantially non-drying and non-oxidizing character comprising a varnish free from drying substances but containing an anti-oxidizing agent to prevent the drying of said carrier medium, said deposit of hectographic transfer duplicating ink being free from conventional heat-fusible, waxy films and oily mediums inhibiting the natural duplicating power of the hectographic transfer duplicating coloring agent and being capable of permanently retaining most of its original plasticity whereby under the effect of pressure a deposit of hectographic transfer duplicating ink can be transferred therefrom onto another surface to provide a master deposit thereon from which in turn numerous duplicate copies can be obtained by the spirit duplicating process.

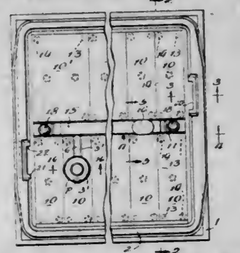
2,299,015
COLOR PHOTOGRAPHY
Otto C. Gilmore, Van Nuys, Calif., assignor to Cosmocolor Corporation, New York, N. Y., a corporation of Delaware
Application November 28, 1938, Serial No. 242,812
1 Claim. (Cl. 95—2)

A process of producing a series of latent color component images in a bi-pack type of film consisting of an orthochromatic film containing a yellow dye capable of absorbing substantially all blue and green light that attempts to pass therethrough, and a panchromatic film, the two films being arranged with their emulsion coated surfaces together, said process comprising the division of an image bearing light pencil into two similar image bearing light pencils, the removal of yellow and green light from one of said light pencils, the removal of red and blue light from the other of said light pencils and the bringing to focus of both of said light pencils on the super-



imposed emulsions, from the side on which the orthochromatic emulsion is placed, whereby the light pencil from which yellow and green light has been removed forms a blue component image in the orthochromatic emulsion and a red component image in the panchromatic emulsion and the light beam from which the red and blue light has been removed forms a green component image in the orthochromatic emulsion and the yellow component image in the panchromatic emulsion.

2,299,016
MOLD AND MOLD FORM
Henry F. Hagemeyer, Chicago, Ill., assignor to Castings Patent Corporation, Chicago, Ill., a corporation of Illinois
Original application June 14, 1938, Serial No. 213,595. Divided and this application April 6, 1940, Serial No. 328,215
5 Claims. (Cl. 22—113)



1. A mold section having a metal receiving cavity below the generally plane parting surface thereof, and a slight crushable ridge upstanding above the parting surface and extending along the peripheral edge of such cavity, said ridge adapted to be crushed when the mold is assembled to form a portion of mold material of greater density.

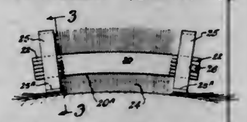
2,299,017
CLAMP DEVICE FOR HAIR TINTING
Gertrude M. Hoffman, Omaha, Nebr.
Application November 7, 1941, Serial No. 418,175
17 Claims. (Cl. 132—9)



1. In a device for hair dyeing, a pair of bars of non-absorbent material adapted to engage a strand of hair between them, clamping means adapted to retain the adjacent faces of said bars

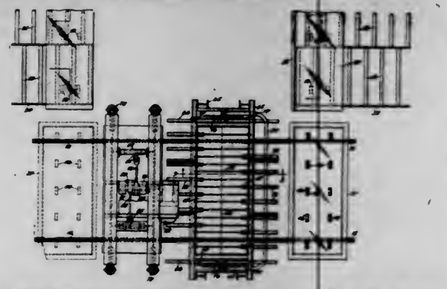
in pressure-gripping engagement with the strand of hair to prevent seepage of the dye onto the portion of the strand retained between said bars and means for supporting said bars on a person's head.

2,299,018
CLAMP DEVICE FOR HAIR TINTING
Gertrude M. Hoffman, Omaha, Nebr.
Original application November 7, 1941, Serial No. 418,175. Divided and this application June 15, 1942, Serial No. 447,125
14 Claims. (Cl. 132—9)



1. A device for use in dyeing hair comprising an elongated instrumentality of resilient nonporous material adapted to engage a strand of dyed hair between portions thereof to present the new growth of the undyed strand portion between said instrumentality and the scalp, and clamp means for clampingly retaining said strand-engaging portions of said instrumentality in gripping engagement with the strand of hair.

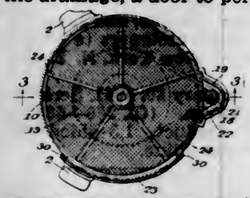
2,299,019
MECHANISM FOR FORMING CONCRETE SLABS
Andrew F. Howe, University City, Mo.
Application February 11, 1939, Serial No. 255,821
8 Claims. (Cl. 25—42)



1. Mechanism for forming concrete slabs comprising side and end walls forming a mold enclosure, a frame supporting said walls, a plate mounted in said enclosure, links forming pivotal connection between said plate and said frame for supporting said plate in said enclosure, means for operating said links to move said plate to different vertical positions in said enclosure, a pallet adapted to be removably supported above said plate within said enclosure, and a series of rollers for supporting said pallet above said plate within said enclosure.

2,299,020
VEGETABLE PEELING APPARATUS
Jefferson L. Jones, Brookline, Mass.
Application July 6, 1940, Serial No. 344,252
19 Claims. (Cl. 146—50)

1. In vegetable peeling apparatus or the like having a pelling chamber, horizontally revolvable peeling means in said chamber, a second chamber below said peeling chamber, and a substantially circular drainage outlet interconnecting said chambers, an annular vertically walled strainer trap in said second chamber under said drainage outlet to strain peelings and like particles from the drainage, a door to permit access to



said second chamber for the removal of said strainer trap and the cleansing and airing of said second chamber, and means to seal said door against liquid leakage.

2,299,021
FOLDABLE AND SUSPENDABLE RACK FOR SHOES OR THE LIKE
Herbert E. Hoffman, Brooklyn, N. Y.
Application December 1, 1939, Serial No. 307,167
1 Claim. (Cl. 211—34)

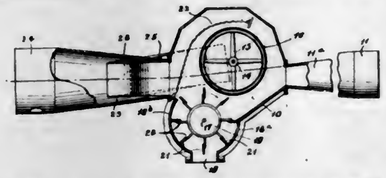


A collapsible vertically suspendable rack for the support of shoes or the like, comprising a plurality of longitudinally foldable carrying elements arranged in pairs, adapted when said rack is in position of use to extend in two spaced vertical planes, a plurality of pairs of rigid supporting members fixedly mounted on said carrying elements in longitudinally spaced relationship thereto, the members of each pair being arranged at different levels on said carrying elements, and end members for each pair of said supporting members permanently engaging at each end and slidable on said carrying elements to extend transversely between the said supporting members and thereby space the latter horizontally when the rack is in suspended and unfolded position, each of said end members being provided at its ends with biased bores which in position of use will be in parallel alignment with said carrying elements to permit said end members to freely move thereon when said rack is being folded or unfolded.

2,299,022
AIR SEPARATOR
Luther M. Kinard, Fort Worth, Tex.
Application February 6, 1941, Serial No. 377,621
8 Claims. (Cl. 19—75)

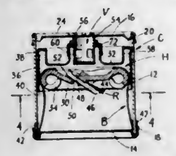
1. An air separator for cotton comprising a housing, a rotary deflecting cylinder on a horizontal axis, having openings in its surface for

deflecting the cotton, a conduit for delivering cotton-laden air to the cylinder, a discharge conduit at the rear of the cylinder for receiving the air from the delivering conduit in an unobstructed flow through the cylinder in a sub-



stantially direct line, a foraminous wall intermediate said cylinder and discharge conduit and auxiliary discharge conduits for transferring air from the interior of the cylinder to either side of the main discharge conduit.

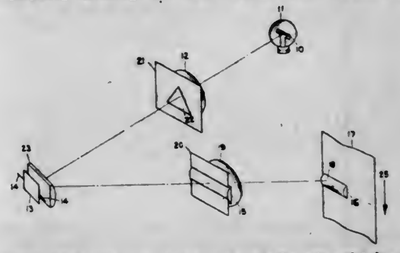
2,299,023
ARTICULATIVE VOICE
Samuel Marcus, Jersey City, N. J., assignor, by mesne assignments, to Voices, Inc., Bayonne, N. J., a corporation of New York
Application June 10, 1940, Serial No. 339,651
9 Claims. (Cl. 46—187)



1. An articulative voice comprising a cylindrical casing having an imperforate end and a perforate sound-discharging end, a flexible bellows one part of which is connected to the imperforate end of the casing and another part of which is connected to a weighty head slidable axially within the casing, said head comprising a weighty disc, a sheet metal cap thereover, said cap being shaped to form a raised gasket seat and a wide peripheral skirt, a gasket retainer ring forced over said raised seat, a sound producing reed assembly comprising a channel and a reed, said reed assembly being received in and forming a passage through the disc, but not through the cap, a ported hollow valve tube cooperating with a thin flexible gasket for relative sliding movement in response to movement of the head, said gasket being secured solely at its outer edge and in such a manner that the inner edge of said gasket is free to flex in one direction or the other as the weighty head moves relative to the casing, the outer edge of the gasket being clamped between the aforesaid raised seat and the retainer ring.

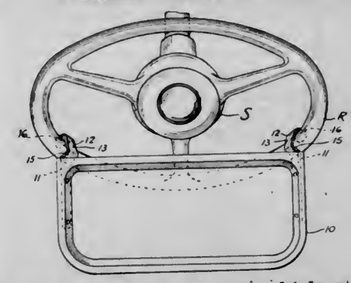
2,299,024
OPTICAL SYSTEM
John A. Maurer, Jr., New York, N. Y., assignor, by mesne assignments, to J. A. Maurer, Inc., a corporation of New York
Application July 2, 1940, Serial No. 343,617
35 Claims. (Cl. 179—100.3)

1. In an optical system for the photographic recording of electrical impulses which includes a mirror adapted to vibrate in accordance with said electrical impulses, the combination of means acting in the vertical plane only for forming at some position close thereto a line image of said mirror, means acting in the vertical plane only for forming an image of said line image, and means acting in the horizontal plane for



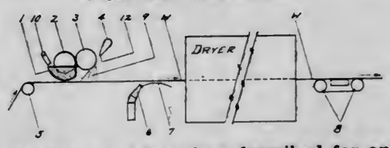
imaging said mirror approximately at said image of said line.

2,299,025
STEERING WHEEL TRAY
William L. McGinley, Dallas, Tex.
Application August 2, 1940, Serial No. 350,045
6 Claims. (Cl. 311—22)



2. A service tray for use on vehicle steering wheels having rims in a plane angularly of the horizontal, comprising a receptacle, and oppositely disposed U-shaped members in transversely spaced relation on said receptacle and extending rearwardly thereof with the spaced side portions of the U of each member extending outwardly in a direction transversely away from the other member, said members being engageable downwardly with the inner portions of the U's against spaced points on the periphery of a steering wheel rim, said spaced side portions of the U's of said members bindingly engaging opposite sides of said rim by reason of the weight of said receptacle to hold the same on the rim, said spaced side portions of the U's of said members being outwardly divergent for receiving steering wheel rims of varying thicknesses.

2,299,026
METHOD OF AND APPARATUS FOR COATING PAPER
Carle J. Merrill, Portland, Maine
Application February 23, 1938, Serial No. 191,870
6 Claims. (Cl. 91—45)

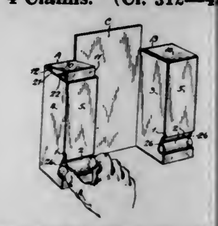


1. Apparatus of the class described for applying coating materials in semi-liquid form to a traveling web, comprising a tank for containing said coating materials, a roll partially immersed in the coating materials in said tank, means to

rotate said roll, a second roll mounted out of contact with the coating materials in said tank and fixed at a predetermined distance from said first roll, effective to receive coating material in semi-liquid form of a predetermined thickness from said first roll, means to rotate said second roll, means for moving the web past said rolls and a nozzle extending in proximity to said second roll and directed toward said web at an angle effective when a jet of air is forced through said nozzle, to impinge a jet of air against the surface of said second roll, and deflect coating material therefrom to said traveling web.

2. The method of applying semi-liquid coating materials to a traveling web which comprises the transfer of said materials from a source of supply, a second transfer of said materials to a moving surface whereby they are deposited thereon in a layer of predetermined thickness, the removal of said layer of materials from said moving surface by a jet of air, the atomization of said materials during said removal, and the impingement of said atomized materials on the surface of a traveling web.

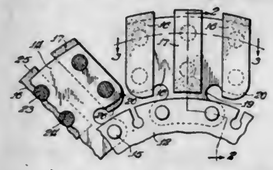
2,299,027
DISPLAY CARTON
Edward J. Novak, Chicago, Ill.
Application March 20, 1940, Serial No. 324,909
4 Claims. (Cl. 312—42)



1. A carton of the class described comprising a compartment having front, back and side walls, said front wall having an opening therein near its lower end, the side walls being cut back adjacent the ends of said front wall opening whereby a portion of the ends of the articles to be next dispensed from said opening will be exposed sufficiently to be manually gripped so as to remove such articles through said opening, and a flap extending into said compartment at said opening carrying the articles to be next dispensed, said flap being formed by the material cut in forming said opening and being folded back along the lower edge of said opening to present an upwardly sloping surface and a smooth edge to said articles as they are removed whereby to facilitate their removal when manually gripped at the ends thereof and pulled forwardly through said opening.

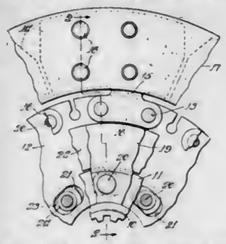
2,299,028
CLUTCH PLATE
Harold Nutt and Harold V. Reed, Chicago, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 3, 1939, Serial No. 282,656
10 Claims. (Cl. 192—107)

2. In a friction clutch plate, an uninterrupted cushion element of thin flat resilient sheet metal, a series of circumferentially spaced separate facing elements secured to each side of said cushion element and presenting alternately high and low friction faces adapted to be engaged between flat friction faces of coacting clutch members, with the high face alone being initially engaged and the cushion elements becoming deformed under



such initial engagement so as to bring the low faces into engagement with said coacting clutch element.

2,299,029
FRICTION CLUTCH
Harold Nutt, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 14, 1940, Serial No. 318,815
10 Claims. (Cl. 192—68)

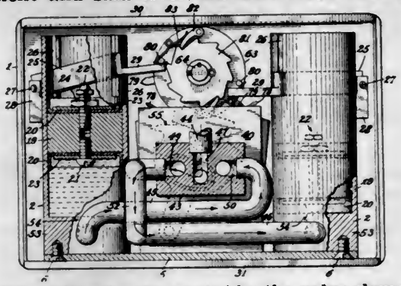


1. A friction clutch driven member comprising a hub having a radial flange, and torsionally yieldable means for connecting a friction facing to said flange, said means comprising a mounting member and a cushion anchor member associated with the respective sides of said flange and extending radially outwardly therebeyond in axially spaced relation, a securing element extending through said flange, one end of said element cooperating with said cushion anchor to rigidly secure the same to the flange in contact therewith and the other end of said element being arranged to cooperate with circumferentially spaced portions of the inner region of said mounting member to form a lost motion positive drive connection between said mounting member and the hub, said other end being provided with means cooperating with said flange to embrace and axially support said inner region and a cushion of resilient material interposed between and secured to said members and adapted to yieldingly transmit torque between said mounting member and said hub through shear stresses set up in said cushion.

2,299,030
GASOLINE METER
George B. Peebles, Newark, N. J., assignor of one-third to Joseph W. Drake, New York, N. Y., and one-third to Juan M. Ceballos, Old Westbury, N. Y.
Application February 12, 1940, Serial No. 318,565
3 Claims. (Cl. 73—251)

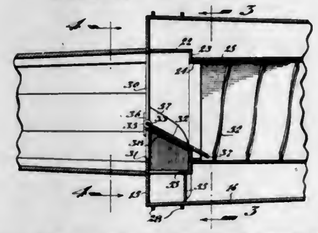
1. A fuel indicator for automotive vehicles comprising a single liquid-tight container, a pair of measuring chambers within said container, a valve arranged to selectively connect the chambers alternately with the interior of the container and with a conduit connected to a liquid fuel source outside of the container so that one chamber is being filled while the other is discharging

its measured contents into the container around the chambers, a member in each of the chambers arranged for actuation by the fuel entering and leaving the chamber, means including a lever actuated by said members, said valve having a movable element, a resilient connection between said element and said lever, movable stops arranged



for intermittent engagement by the valve element, and means actuated by said members for releasing the valve element from the stop members to allow it to quickly follow the movement of said lever under the tension built up in the resilient connection during the interval of engagement of the movable valve element by the stop member.

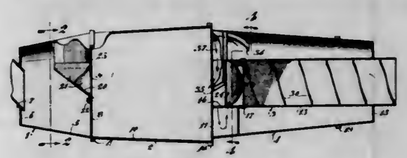
2,299,031
SIDE LOADING TUMBLING MILL
Nathan Ransohoff, Cincinnati, Ohio
Application August 3, 1940, Serial No. 350,894
7 Claims. (Cl. 51—164)



7. A tumbling mill comprising a tumbling barrel having a discharge opening in one end thereof, a screening separator extending substantially coaxially from said tumbling barrel beyond said opening in the end thereof, a collector drum surrounding said screening separator, with the tumbling barrel, the screening separator and the collector drum being interconnected and unitarily rotatable, a plate member extending from the said discharge opening on a slant into the screening separator, a passageway including said plate extending from said collector drum into said tumbling barrel, a door hinged in said opening in said tumbling barrel at a point adjacent said plate and adapted to be swung into said screening separator to rest upon said plate, a shaft extending through the wall of said tumbling barrel for operating said door and carrying an operating lever, and means associated with said shaft for locking said door in open and closed positions.

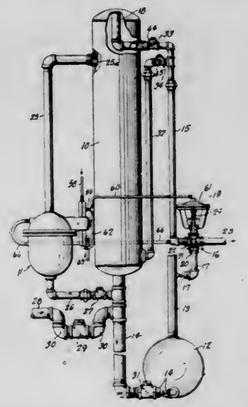
2,299,032
END LOADING TUMBLING MILL
Nathan Ransohoff, Cincinnati, Ohio
Application August 3, 1940, Serial No. 350,895
4 Claims. (Cl. 51—164)

1. A tumbling mill comprising a tumbling barrel, having an opening in an end thereof which is offset from the axis of the barrel, a screening separator extending beyond the end of the said barrel of the tumbling barrel, a collector drum surrounding the screening separator, the screening drum, the collector drum, and the tumbling barrel being rotatable as a unit, means intermediate said collector drum and said screening separator defining a passageway including a ramp of generally cycloidal shape extending from said offset opening to said screening separator, and a vane extending obliquely across said



screening separator for directing materials coming from said ramp into said separator, the said end of said tumbling barrel having another opening therein which is substantially in alignment with said screening separator, means for directing abrading elements from said collector drum to the tumbling barrel through said opening, a loading cone at an end of said tumbling barrel opposite said screening separator, and means in said loading cone for discharging materials into said tumbling barrel.

2,299,033
BOILER FEEDER
Llewelyn M. Reed, Devon, Conn.
Application May 13, 1940, Serial No. 334,701
10 Claims. (Cl. 122—456)

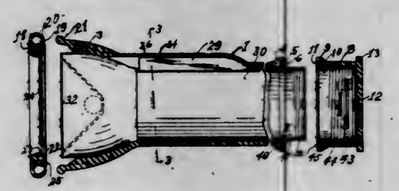


2. In a boiler feeder, an upright receiver tank located above the boiler, a steam pipe connection from the steam space in the boiler to the upper part of the tank, a control valve in said steam pipe to connect the steam space with the tank in one position and to vent the steam pipe in its other position, a connection from the lower part of the tank to the steam pipe adjacent the upper part of the tank, a check valve in said connection, means dependent on the level of water in the tank to control opening and closing of the steam valve, a feed water connection from the tank to the boiler and a check valve in said connection.

2,299,034
COMPOSITE METALLIC POWDER
Richard S. Reynolds, Richmond, Va., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
No Drawing. Application March 16, 1940, Serial No. 324,343
5 Claims. (Cl. 106—290)

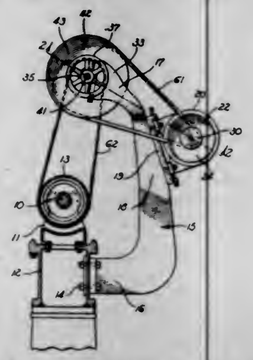
1. A composite metal pigment of high lustre and good "leafing" properties formed by disintegrating an aluminum jacketed zinc foil stock which includes aluminum surfaced zinc particles, fine aluminum particles, and zinc particles.

2,299,035
WATERPROOF CASING FOR FLASHLIGHTS
Harry Rothenberg, Norwood, N. J., and Leopold C. Grimsley, Jackson Heights, N. Y., assignors to Henry Hyman, Brooklyn, N. Y.
Application August 6, 1937, Serial No. 157,660
3 Claims. (Cl. 240—10.6)



2. A removable waterproof jacket for a flashlight comprising a plurality of disengageable parts having waterproof joints, one of said parts having an enlarged rim at one end thereof and another one of said parts being a rubber ring provided with an annular groove and lip to snap over said rim to make a watertight joint.

2,299,036
VARIABLE-SPEED TRANSMISSION DEVICE
Earl A. Rivers, Los Angeles, Calif., assignor to Samuel Given, Beverly Hills, Calif.
Application March 6, 1940, Serial No. 322,512
8 Claims. (Cl. 74—230.17)



1. In a variable-speed transmission device, the combination of: a drive pulley of the variable-diameter V-type having a pair of flanges one of which is axially movable to vary the effective diameter of said drive pulley; means for rotatably mounting said drive pulley; a driven pulley of the variable-diameter V-type having a pair of flanges one of which is axially movable to vary the effective diameter of said driven pulley; means for rotatably mounting said driven pulley; a flat-faced pulley mounted rigidly on the movable flange of said driven pulley and adapted to receive a flat power transmitting belt thereon, said flat-faced pulley being axially movable in response to axial movement of said movable flange; belt means operatively connecting said drive pulley and said driven pulley; and adjustment means for varying the effective diameter of one of said pulleys.

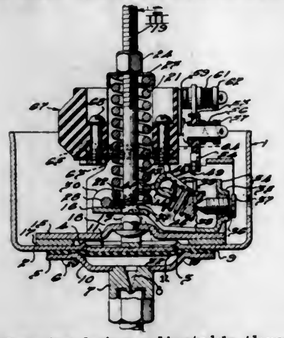
2,299,037
CONNECTOR FOR ELECTRICAL CONDUCTORS OR THE LIKE
Johann Heinrich Saueressig, Enschede, Netherlands, assignor to V. G. Manufacturing Company Limited, London, England, a British company
Application March 7, 1940, Serial No. 322,727
In Great Britain March 20, 1939
10 Claims. (Cl. 174—87)



9. A connector for the bared ends of a plurality of electrical conductors, comprising a tubular shaped element of electrical conducting material, said element having convolutions or coils embracing each other and having in the bore thereof an eyelet formed by a loop which divides the bore into two substantially parallel passage-ways one of which is constituted by the said eyelet, one of said passage-ways being adapted to receive at least one of the bared ends of the conductors and the other passage-way being adapted to receive the remainder of the bared ends, entry of all the bared ends into the passage-ways being gained through at least one end of the bore, and partly rotatable clamping means for applying a winding force to the tubular shaped element for the purpose of reducing the diameter thereof and so causing the said element tightly to grip the plurality of bared ends after they have been entered in the passage-ways in the bore of said element.

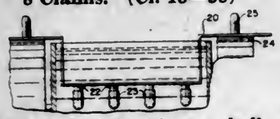
2,299,038
ELECTRIC SWITCH
Carl A. Schaefer, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application February 20, 1939, Serial No. 257,285
14 Claims. (Cl. 200—83)

1. In an electric switch, stationary and movable contacts, means including a toggle link and a main operating lever for actuating said movable contact to make and break the circuit, spaced pivotal mountings for said link and said lever with the ends of said link and said lever directed toward each other's point of mounting, an angular extension on said main operating lever, an adjusting means carried upon said angular extension, a return bent portion upon said link, a toggle spring disposed between and held in compression by said return bent toggle link portion and said adjusting means and movable through its dead center position during movement of the main operating lever to extreme po-



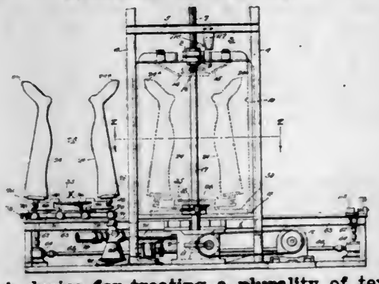
sitions, said spring being adjustable through said adjusting means to vary the differential of operation of the switch.

2,299,039
METHOD OF FABRICATING CAPSULES
Robert P. Scherer, Detroit, Mich.
Application March 5, 1940, Serial No. 322,376
8 Claims. (Cl. 18—58)



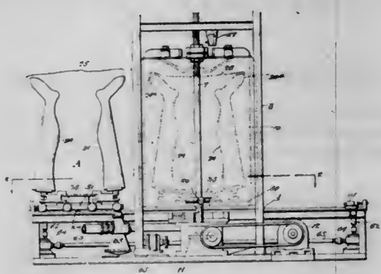
1. That method of forming a shell of plastic material comprising coating a mold surface with said material in the molten state, thereafter immersing the coated mold surface in a liquid having a specific gravity which is gravity counteractive with respect to the molten plastic material and retaining the coated mold with the plastic material in the molten state within the liquid for sufficient time to permit the plastic coating to re-arrange itself upon the mold into a coating of substantially uniform thickness and causing the coating to solidify at such thickness forming a shell upon the mold and thereafter removing the shell from the mold.

2,299,040
DEVICE FOR TREATING TEXTILE FABRICATIONS ON FORMS
Walter M. Schwartz, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application March 30, 1940, Serial No. 327,086
30 Claims. (Cl. 223—76)



1. A device for treating a plurality of textile articles respectively mounted on a plurality of vertical forms, comprising a series of vertical forms, a vertical chamber, a common carrier supporting said series in a compact group for simultaneous confinement in said chamber, means for supporting said carrier and said chamber for relative vertical movement to enclose and expose said forms, and means attaching said forms to said carrier for movement separately to a stripping and reloading position relative to the remainder of said group when exposed.

2,299,041
ELECTRIC CONTROL SYSTEM FOR HOSIERY TREATING MACHINES
Walter M. Schwartz, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application April 4, 1940, Serial No. 327,900
16 Claims. (Cl. 223—76)

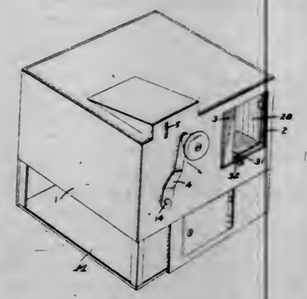


1. In a machine of the class described, a form-supporting member, a form-enclosing member, reversible power means including a motor for moving one of said members toward and away from the other of said members to enclose and expose the forms on said supporting member, a control circuit including manually operable means for initiating activity in one portion of said circuit to cause said motor to move the one member to effect enclosing of said forms, means for interrupting said activity when said forms are fully enclosed, automatic timing means for initiating activity in a second portion of said circuit to cause said motor to move said one member in an opposite direction to expose said forms, and means for interrupting said activity in said second portion of the circuit when said forms are fully exposed.

2,299,042
COIN FREED FRANKING MACHINE
Horace Nettleship Soper, London, England, assignor to Pitney-Bowes Postage Meter Company, Stamford, Conn., a corporation of Delaware
Application March 17, 1939, Serial No. 262,364
In Great Britain April 7, 1938
5 Claims. (Cl. 101—71)

1. In a letter printing machine, a postage printing device, a casing enveloping said machine and printing device and having a compartment therein within which a letter may be inserted on edge to a position for printing, a movable supporting seat for said letter, said compartment having space to permit the entrance of a hand when inserting a letter, letter engaging means within the compartment spaced to restrict the thickness of a letter which is inserted therebetween to a printing position, means to relieve said restricted spacing during a printing cycle

of operation, and means to remove the supporting seat from beneath the letter, whereby the



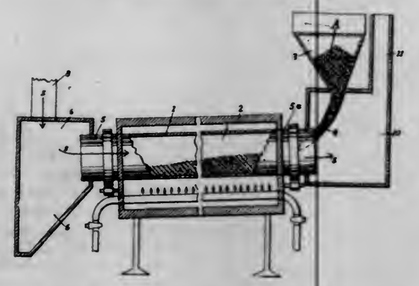
letter is released to drop into a receptacle below said seat after printing.

2,299,043

METHOD OF TREATING LIGHT METAL SCRAP

Max Stern, New York, N. Y., assignor to Alloys Recovery Company Inc., Essex County, N. J.

Application October 27, 1941, Serial No. 416,677
2 Claims. (Cl. 75—67)



2. A method for the continuous treatment of oil containing magnesium scrap comprising removing from the latter about 90% of the oil, charging the partly deoiled scrap into an indirectly heated inclined rotary kiln, heating the kiln wall from below to a temperature substantially not exceeding the oil evaporating temperature, contacting the lower portion of the scrap with the heated kiln wall and liberating the oil hereby, introducing into the furnace a stream of cooling air, cooling the major upper portion of the scrap by the said air stream, transporting simultaneously the liberated oil by the said air stream from one end of the kiln and discharging the deoiled scrap from the other end of the same.

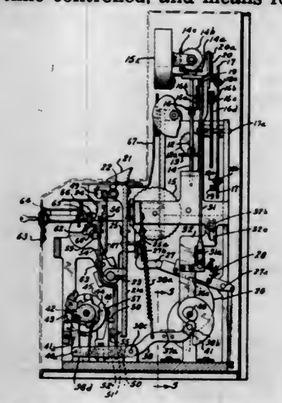
2,299,044

TIME RECORDER

Elmer G. Streckfuss, Cincinnati, Ohio, assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio, a corporation of Ohio

Application September 19, 1939, Serial No. 295,631
7 Claims. (Cl. 234—43)

3. In a time recorder having a card tray mounted for lateral shift, power accumulating means operating by a setting and a release for actuating the card tray, an electric motor driven means for setting and releasing said power accumulating means, a switch for applying current to said motor, means for periodically closing the switch which is time controlled, and means for reopening the switch upon the release stroke of the power accumulating means.

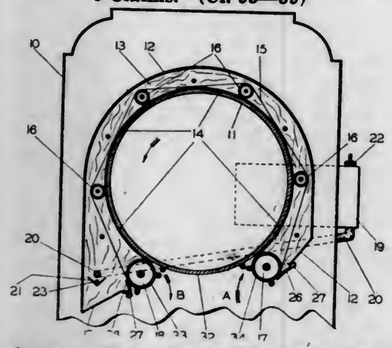


2,299,045

DEVELOPING APPARATUS

Frederick O. Trump, Binghamton, N. Y., assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application July 31, 1940, Serial No. 348,661
9 Claims. (Cl. 95—89)



1. A removable sealing unit for preventing the escape of developing gases between the end wall and roller end in a gaseous developer of the type described, said unit consisting of a spring steel band for overlappingly surrounding the exposed portions of the roller end, said band being provided with brackets extending at right angles to said band in the plane of one edge of said band for mounting the band on said end wall with said one edge in substantially gas-tight contact with said wall, said band being resiliently deformable for attachment to said roller end and end wall without disturbing the relative assembled positions of the latter.

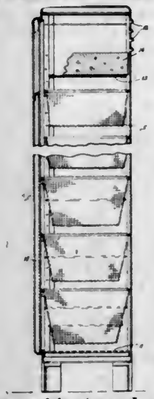
2,299,046

METHOD OF AND APPARATUS FOR CONDITIONING FRUITS, VEGETABLES, AND THE LIKE

Frank R. West, Detroit, Mich.

Application August 3, 1940, Serial No. 350,285
7 Claims. (Cl. 99—154)

1. A fruit and vegetable storage compartment comprising a tall cabinet of relatively small cross section having air openings at the top and bottom, means for retaining water at the top of said cabinet whereby the water may contact air passing through the cabinet and evaporate, and a plurality of bins supported in said cabinet and vertically spaced therein for receiving fruits and vegetables.

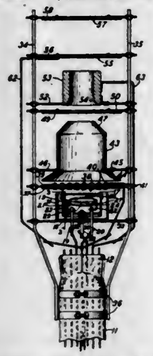


2,299,047

ELECTRONIC DISCHARGE DEVICE

Robert C. Winans, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 25, 1940, Serial No. 342,193
14 Claims. (Cl. 250—163)



1. An electronic discharge device comprising an enclosing vessel, an electron receiving target at one end thereof, and a beam projecting gun at the other end for initiating and accelerating a beam of electrons towards said target, said gun including a series of axially symmetrical electrodes extending toward said target, comprising an electron emissive cathode, a pair of apertured anodes spaced beyond said cathode, and a tubular collimator element having a uniform diameter boundary and a varying diameter inner throat directed toward at least one of said anodes.

5. An electronic beam projection device comprising an enclosing vessel, a fluorescent screen mounted at one end of said vessel, and an electron beam gun extending toward said screen, said gun including a cathode assembly composed of a hollow shell, closure caps at opposite ends thereof, an electron emissive coating on the outer surface of one of said caps, a heater element therein having oppositely positioned arcuate arms, a plurality of heater strands connected to diagonal ends and the centers of said arms, and conductors extending through the other closure cap and connected to said arms.

2,299,048

PURIFICATION OF PENTAERYTHRITOL

Joseph A. Wyler and Edwin A. Wernett, Allentown, Pa., assignors to Trojan Powder Company, Allentown, Pa.

No Drawing. Application December 15, 1939, Serial No. 309,352
3 Claims. (Cl. 260—637)

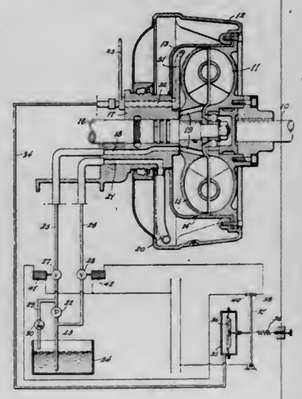
1. The process of preparing pentaerythritol with a melting point greater than 250° C. from a mixture consisting essentially of pentaerythritol and dipentaerythritol and having a melting point substantially below 250° C., the pentaerythritol being present in the mixture in an amount in excess of 70% by weight of the total amount of pentaerythritol and dipentaerythritol, which comprises dissolving said mixture in water, effecting crystallization of the pentaerythritol from the resulting solution by cooling said solution to a temperature from not above about 108° C. to a temperature not below about 70° C., and separating said crystals from the mother liquid at a temperature between about 70° C. and 108° C.

2,299,049

SCOOP TUBE CONTROL FOR HYDRAULIC COUPLINGS

Herbert Ziebolz, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois

Application September 26, 1940, Serial No. 358,560
8 Claims. (Cl. 60—54)

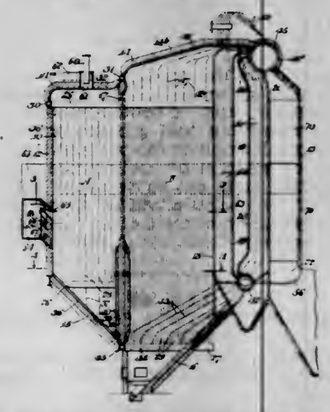


1. In a hydraulic coupling of the character described having a working chamber, an oil supply and a stationary scoop tube for removing the oil; an adjustable scoop tube movable in the coupling to vary the effective position of the scoop end; means responsive to the pressure at the nozzle of the movable scoop tube as an indication of the oil level in the working chamber for controlling the oil level in the working chamber; and means to control the level of the oil in accordance with the position of the adjustable scoop tube.

8. In a hydraulic coupling of the character described having a working chamber, an adjustable scoop tube movable in the chamber to vary the effective position of the scoop end; and means in communication with the tube and responsive

to the pressure at the nozzle of the scoop tube to control the level of the oil in the working chamber in accordance with the position of the scoop tube.

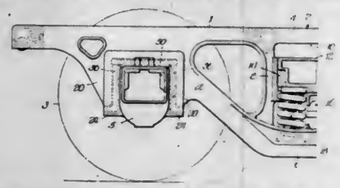
2,299,050
STEAM GENERATOR
John Phillips Badenhausen, Philadelphia, Pa., assignor of one-half to Day and Zimmermann, Incorporated, Philadelphia, Pa., a corporation of Maryland
Application November 25, 1939, Serial No. 306,051
6 Claims. (Cl. 122—235)



1. In apparatus for the combustion of fuel of low volatile content for steam generation, a furnace chamber having enclosing walls, a vertical downwardly extending dividing wall in said furnace chamber separating said furnace chamber into a downward pass section and a communicating upward pass section, said sections being of unequal volume, the smaller and downward pass section constituting an ignition chamber section and the larger and upward pass section constituting a combustion chamber section, means for supplying low volatile fuel into said ignition section, means for supplying a limited quantity of air with said fuel for ignition thereof, means at the lower portion of the furnace chamber for supplying air for the combustion in the combustion section of the ignited fuel from the ignition section, the walls of said sections being lined with steam generating tubes, the effective heat absorbing surface of the tubes of the ignition section being substantially less than that of the tubes of said combustion section, whereby the ignition of the fuel will be maintained until the combustion of the fuel is effected in said combustion section.

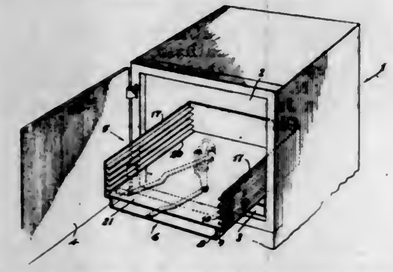
2,299,051
CUSHION DEVICE FOR PEDESTAL TYPE TRUCKS
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 8, 1939, Serial No. 306,122
16 Claims. (Cl. 105—224.1)

3. In a car truck, a side frame having depending pedestal legs, a journal box received between said legs, inboard and outboard flanges around said box merging with horizontal flanges adjacent the base thereof, cushioning means between said box and said frame comprising U-shaped resilient pads confined between said frame and said flanges, substantially L-shaped resilient pads seated on said horizontal flanges, and a resilient pad seated on the top of said journal box, said pads comprising metal plates abutting said frame and said box and affording resilient movement



therebetween vertically, longitudinally, and laterally of said truck.

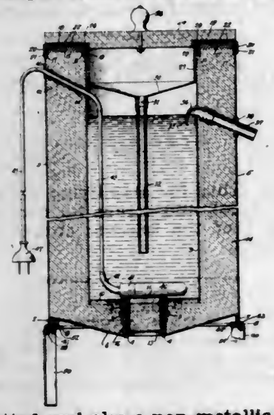
2,299,052
ATTACHMENT FOR SLIDABLE DRAWERS IN OVENS OF STOVES OR RANGES
George E. Dexter, Taunton, Mass., assignor to Glenwood Range Company, Taunton, Mass., a corporation of Massachusetts
Application January 24, 1941, Serial No. 375,795
2 Claims. (Cl. 126—340)



1. In a range the combination comprising an oven with a doorway and a bottom wall, a draw out member in said oven arranged above said bottom wall, an oven door hingedly supported and closing the doorway to the oven, two levers, one an actuated lever and the other an actuating lever, means for pivotally mounting each of said respective levers upon the bottom of said oven beneath said draw out member whereby they may be severally moved towards or away from the doorway of said oven, means between said levers whereby one lever may be operated by the other as said other of said levers is reversely turned towards or away from said doorway, and separate means connecting said levers with said draw out member and door, respectively, one with the door and the other with the draw out member, whereby said draw out member will be withdrawn from the oven as said door is opened and returned into the oven as said door is closed.

2,299,053
WATER HEATER
Robert G. Ferris, Harvard, Ill., assignor to Starline, Inc., Harvard, Ill., a corporation of Illinois
Application June 25, 1941, Serial No. 399,639
4 Claims. (Cl. 219—38)

1. In a water heater in which water is heated by interiorly arranged heating means, a casing open at the top, a tank within the casing open at the top, a filler of insulating material between the tank and the casing, a cover adapted for removably fitting over the casing and tank and heat insulating means extending between the casing and the tank adjacent the tops thereof and providing in itself the sole seat whereon the

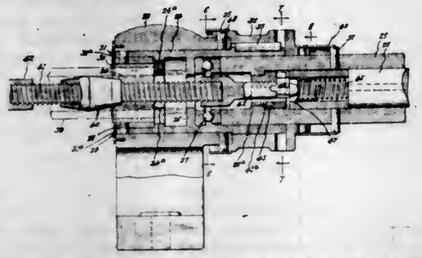


cover it fitted and also a non-metallic heat path between the interior of the tank and the casing.

2,299,054
ELECTROPLATING
William J. Harshaw, Shaker Heights, and Kenneth E. Long, South Euclid, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
No Drawing. Application June 20, 1939,
Serial No. 280,142
12 Claims. (Cl. 204—32)

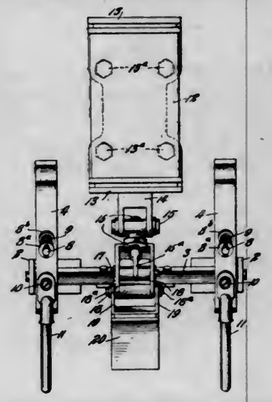
1. In an electroplating process, the steps of producing a bright electrodeposit of nickel containing a minor amount of a codeposited element of the class consisting of selenium and tellurium and preparing the said deposit for plating with another metal by a process including the step of making said deposit cathode in an aqueous bath essentially consisting of an aqueous solution of sodium cyanide.

2,299,055
EXPANDER TOOL FOR ONE TIME COUPLINGS
Allan C. Hoffman, Millidale, and James V. MacDonald, Oakville, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application January 3, 1940, Serial No. 312,262
10 Claims. (Cl. 29—88.2)



1. An expander tool comprising a body portion having an adaptor sleeve rotatably mounted therein and provided at its outer end with a socket for the reception of a hose coupling member of the expansible nipple type adapted to receive the end of a hose over the nipple, a rotatable drive shaft projecting axially into the rear end of the adaptor sleeve, a two-way clutch device carried by the adaptor sleeve for alternate interlocking engagement with the body portion and with said drive shaft for respectively holding the adaptor sleeve from turning during the expanding operation of the tool and for connecting the adaptor sleeve to the drive shaft for rotation of the adaptor sleeve with the coupling member therein for application of the hose end to the coupling member, and an expander unit connected to said drive shaft and having an expander head for advancement through the nipple to expand the same within the hose.

2,299,056
ELECTRIC CONTROLLING APPARATUS
William Humphreys, Fullerton, Pa., assignor, by mesne assignments, to The Pennsylvania Company for Insurances on Lives and Granting Annuities, Philadelphia, Pa., a corporation of Pennsylvania
Application February 28, 1939, Serial No. 258,904
1 Claim. (Cl. 200—97)

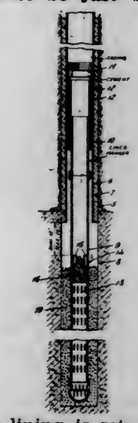


Control mechanism comprising a switch movable between two positions and biased in one position to move to the other position, a movable element for moving said switch to the biased position, a pivoted element movable with said switch, a latch for holding said pivoted element in fixed position with reference to said switch, said movable element and pivoted element being mechanically connected with each other, and a time delay device mechanically connected with said switch and actuated by the movement of said switch to the biased position for releasing said latch to permit the movement of said switch to the unbiased position after a predetermined time interval from the movement of said switch to the biased position.

2,299,057
APPARATUS FOR GRAVEL PACKING WELLS
Halbert M. McClain, Oklahoma City, Okla., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application September 19, 1940, Serial No. 357,370
3 Claims. (Cl. 166—1)

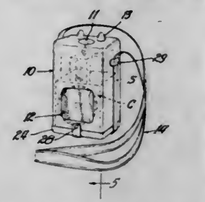
1. An apparatus for completing and gravel packing a well comprising a liner equipped with a liner hanging packer, in the wall of said liner

a plurality of slots of large cross-sectional area for the passage of gravel, said slots being so located longitudinally as to be just below the casing



bottom when the lining is set, and within said liner a frangible plug placed just below said slots.

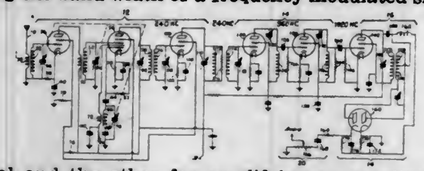
2,299,058
RADIO RECEIVER APPARATUS
Donald H. Mitchell, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 350,436
11 Claims. (Cl. 250—14)



1. In portable radio apparatus adapted to be carried on the body of an operator and including a radio receiver chassis and circuit, means for carrying said apparatus and receiving signals for said circuit including a hollow carrying strap, a loop aerial mounted in said strap, and means for electrically connecting said loop aerial with said receiver circuit and physically connecting the same with the receiver chassis including a pin contact on each end of said loop, insulating means for substantially rigidly supporting said pins in an adjacent insulatingly separated position on said strap at right angles thereto, and contact receptacles insulated from one another on the receiver chassis releasably retaining said pins, with said pins extending inwardly into said receptacles, and with said strap supporting said apparatus adjacent said pin supporting means.

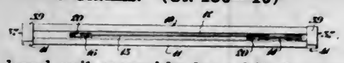
2,299,059
FREQUENCY MODULATION SYSTEM
Louis K. Sandor, Piqua, Ohio, assignor of seventeen and one-half per cent to Ray C. Stotts and seventeen and one-half per cent to Harry Friedman, both of Dayton, Ohio
Application April 20, 1940, Serial No. 330,718
5 Claims. (Cl. 250—20)

1. A super-heterodyne radio receiver including means for selecting a radio frequency signal, means including an oscillator-detector circuit for converting the selected signal into an intermediate frequency signal, a selected circuit selected from a pair of parallel circuits, one for expanding the band width of a frequency modulated sig-



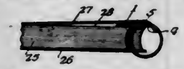
nal and the other for amplifying an amplitude modulated signal, and means for converting the signal output of the selected circuit into perceptible signals.

2,299,060
HEAD RAIL ASSEMBLY
Wallace E. Sarran and Robert E. Metzger, Cincinnati, Ohio, assignors to The Chas. W. Breneman Company, Cincinnati, Ohio, a corporation of Ohio
Application April 29, 1941, Serial No. 390,968
5 Claims. (Cl. 156—16)



1. A head rail assembly for a blind comprising a pair of spaced brackets, a rail adapted to be supported by said brackets, a step struck from said rail over the entire length thereof, and a key bar for supporting a blind against the step; said key bar being secured in the step.

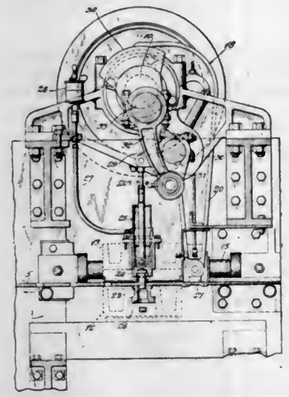
2,299,061
BINDER
Isidore Spinner, Chicago, Ill., assignor to Plastic Binding Corporation, Chicago, Ill., a corporation of Delaware
Application March 25, 1940, Serial No. 325,699
5 Claims. (Cl. 281—25)



1. An article of manufacture comprising a binder for insertion into a stack of sheets provided with aligned perforations along one of their edges, said binder being of resilient material preformed to substantially the ultimate shape it is to have after complete insertion into the stack and including a back and a plurality of teeth integral with the back and extending from one longitudinal edge thereof, said teeth being curved to constitute a plurality of closed substantially circular loops adapted to be flexed, within their elastic limit, out of their normal positions for receiving the sheets between them and automatically recurled under their own resiliency to pass through the aligned perforations, said back projecting so as to lie in a plane substantially tangent to the loop and parallel to the plane of an adjacent sheet.

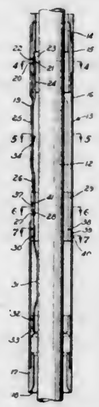
2,299,062
PUNCHING MACHINE
Theodore T. Youngfelt, Hinsdale, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application May 21, 1941, Serial No. 394,451
21 Claims. (Cl. 164—89)

1. In a perforating machine for a continuously moving gypsum web, the combination with a horizontally reciprocating punch and a power operated crank in vertical transverse axial alignment with said punch, of a bell crank and link transmission between said crank and said punch,



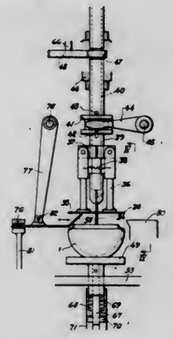
said transmission being constructed to cause said punch to perform the actual perforating operation and withdrawal from said web during a comparatively short intermediate portion of the forward horizontal movement of said punch.

2,299,063
PIPE CUTTING APPARATUS
Jacob G. Heim, San Gabriel, Calif.
Application July 29, 1941, Serial No. 404,450
17 Claims. (Cl. 164—0.6)



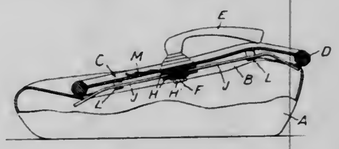
4. In apparatus for cutting pipe, the combination of: a body member; a rotatable member associated with said body member; a link so connecting said members that the length of its projection upon a plane normal to the axis of the pipe is varied by the relative rotation of said members; a cutting element associated with said link and movable between retracted and cutting position in response to variation in such projected length of said link; means connected to one of said members adapted for restraining its rotation relative to the other of said members by engagement with the pipe; and means for rotating the other of said members.

2,299,064
ATTACHMENT FOR FILLING MACHINES
Bror Anders Emil Johnson, Alsten, Sweden, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden, a joint-stock company of Sweden
Original application November 10, 1937, Serial No. 173,921. Divided and this application June 11, 1940, Serial No. 339,991. In Sweden November 14, 1936
5 Claims. (Cl. 226—69)



3. In a machine for filling containers, a head having a wiping member for sweeping off excess and smoothing the surface of material supplied to the container, a support for the container arranged opposite to said head, means for relatively rotating said support and said member, said member being movable up and down within said head to transfer excess of material from the container to the bottom surface of said head, a scraper member, means for moving said scraper member over the bottom surface of said head, and a receptacle arranged below the path of movement of said scraper member for receiving material scraped off said head.

2,299,065
DISPOSAL UNIT
Ernest Otto Scheerer, Linden, N. J.
Application January 30, 1941, Serial No. 376,622
1 Claim. (Cl. 220—57)

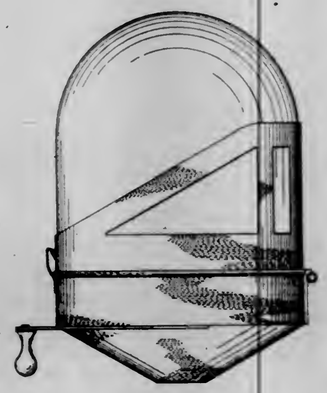


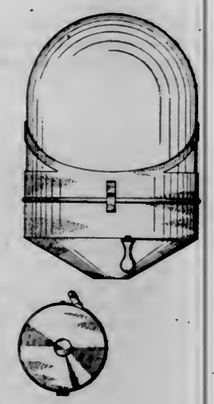
A disposal unit comprising a receptacle having an irregular opening, a completely separable nonrotatable cover for the receptacle conforming to said irregular opening and having a flexible peripheral seal on one face thereof and means including a handle for carrying the unit, a rotatable shaft secured to the handle and passing through the cover, a pair of spaced discs secured to the shaft and a plurality of radially extending locking members each having one end pinned to one of the discs for locking the cover to the receptacle to seal the receptacle opening on rotational movement of the carrying handle and the other end bent for engaging the receptacle and limiting the movement of the locking members.

DESIGNS

OCTOBER 13, 1942

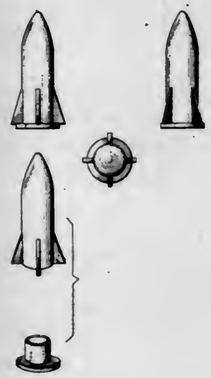
134,038
DESIGN FOR A DISPENSER
Charles R. Bennett, Cleveland, Ohio
Application July 21, 1941, Serial No. 102,328
Term of patent 7 years





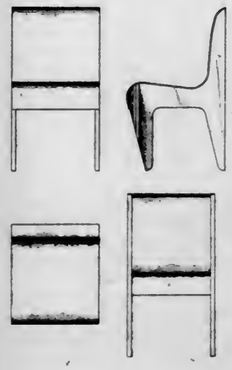
The ornamental design for a dispenser, as shown and described.

134,039
DESIGN FOR A COSMETIC CONTAINER
Robert T. Christy, New York, N. Y.
Application March 17, 1942, Serial No. 106,219
Term of patent 3½ years



The ornamental design for a cosmetic container, substantially as shown.

134,040
DESIGN FOR A CHAIR
Henry Peter Glass, Chicago, Ill., assignor to W. L. Stensgaard & Associates, Inc., a corporation of Illinois
Application July 22, 1942, Serial No. 107,649
Term of patent 14 years



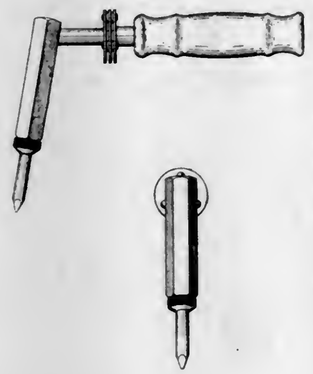
The ornamental design for a chair, as shown.

134,041
DESIGN FOR A HAT BANDING OR SIMILAR ARTICLE
Lou Greenspan, New York, N. Y.
Application September 12, 1942, Serial No. 108,219
Term of patent 3½ years



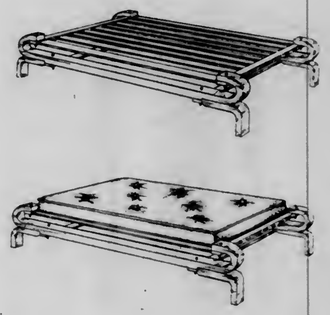
The ornamental design for a hat banding or similar article, substantially as shown.

134,042
DESIGN FOR AN ELECTRIC SOLDERING IRON
Arthur L. Johnson, Roselle Park, N. J.
Application July 7, 1942, Serial No. 107,445
Term of patent 14 years



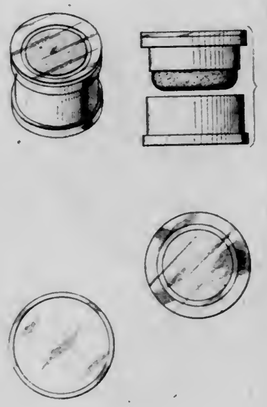
The ornamental design for an electric soldering iron, as shown.

134,043
DESIGN FOR A COUCH OR SIMILAR ARTICLE
Lydia Tschernjakow and Terence H. Robajohn-Gibbings, New York, N. Y.
Application August 19, 1942, Serial No. 107,970
Term of patent 3½ years



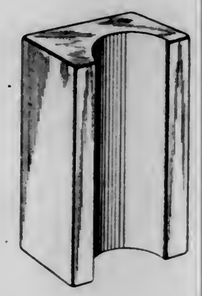
The ornamental design for a couch or similar article, substantially as shown.

134,044
DESIGN FOR A COMBINED COSMETIC POWDER CONTAINER AND APPLICATOR
Albert E. Vaughn, Los Angeles, Calif.
Application November 14, 1941, Serial No. 104,154
Term of patent 14 years



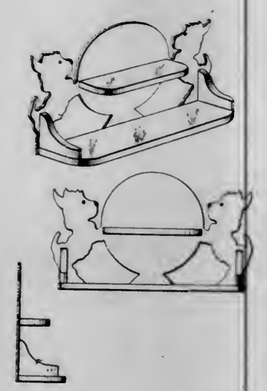
The ornamental design for a combined cosmetic powder container and applicator, as shown.

134,045
DESIGN FOR A CAKE OF SOAP
Gordon D. Voorhis, Rhinebeck, N. Y., assignor to Voorhis-Tiebout Company, Inc., Rhinebeck, N. Y., a corporation of New York
Application May 8, 1941, Serial No. 100,835
Term of patent 14 years



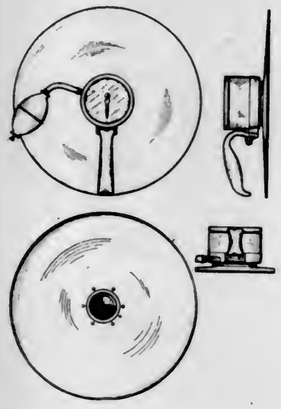
The ornamental design for a cake of soap, substantially as shown.

134,046
DESIGN FOR A SHELF OR THE LIKE
Charles Earl Wilkinson, Mason City, Iowa
Application August 3, 1942, Serial No. 107,809
Term of patent 7 years



The ornamental design for a shelf or the like, substantially as shown.

134,047
DESIGN FOR A GAS DETECTOR
Owen G. Bennett, Wilkinsburg, Pa., assignor to Catalyst Research Corporation, Pittsburgh, Pa.
Application January 10, 1942, Serial No. 105,118
Term of patent 14 years



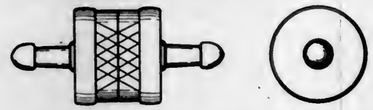
The ornamental design for a gas detector, substantially as shown.

134,048
DESIGN FOR A DRESS
George Constantine, New York, N. Y.
Application August 28, 1942, Serial No. 108,053
Term of patent 3½ years



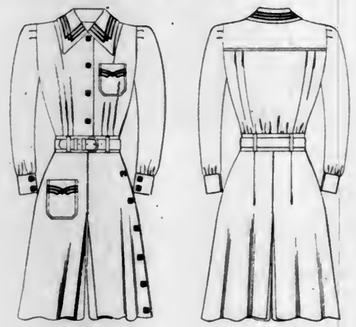
The ornamental design for a dress, substantially as shown and described.

134,049
DESIGN FOR A CHILD'S TOY
William G. Fletcher, Bogota, N. J.
Application January 28, 1942, Serial No. 105,615
Term of patent 14 years



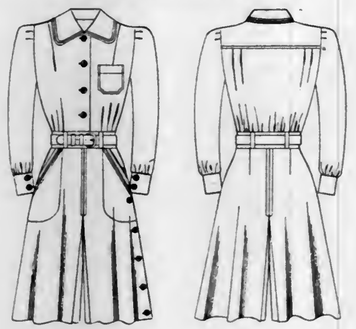
The ornamental design for a child's toy, as shown.

134,050
DESIGN FOR A CULOTTE UNIFORM DRESS
Harry Moshontz, Cleveland, Ohio, assignor to H. Moshontz & Company, Cleveland, Ohio, a partnership composed of Harry Moshontz and Gilbert R. Schwartz
Application July 20, 1942, Serial No. 107,627
Term of patent 3½ years



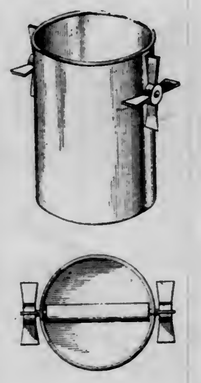
The ornamental design for a culotte uniform dress, substantially as shown.

134,051
DESIGN FOR A CULOTTE UNIFORM DRESS
Harry Moshontz, Cleveland, Ohio, assignor to H. Moshontz & Company, Cleveland, Ohio, a partnership composed of Harry Moshontz and Gilbert R. Schwartz
Application July 20, 1942, Serial No. 107,628
Term of patent 3½ years



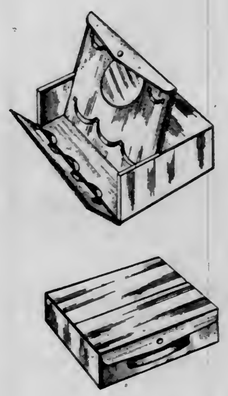
The ornamental design for a culotte uniform dress, substantially as shown.

134,052
DESIGN FOR A TWINE CONTAINER
William R. Neill, Valley Station, and Marshall T. Minor, Louisville, Ky.
Application April 29, 1942, Serial No. 106,752
Term of patent 14 years



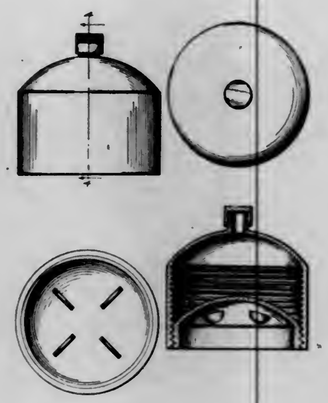
The ornamental design for a twine container, as shown.

134,053
DESIGN FOR A COSMETIC CASE OR THE LIKE
Arthur R. Botham, New York, N. Y., assignor to Coty, Inc., Wilmington, Del., a corporation of Delaware
Application January 28, 1942, Serial No. 105,465
Term of patent 3½ years



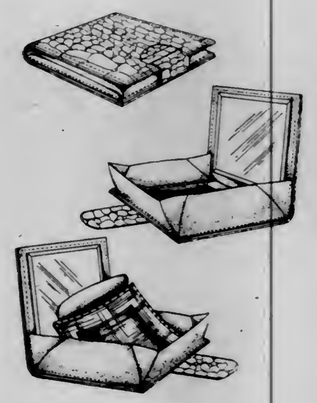
The ornamental design for a cosmetic case or the like, as shown.

134,054
DESIGN FOR A DISPENSING CONTAINER
Leo K. Canfield, Wausau, Wis.
Application July 18, 1942, Serial No. 107,592
Term of patent 7 years



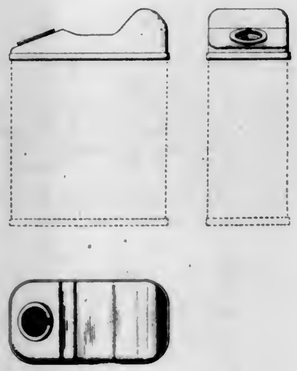
The ornamental design for a dispensing container, as shown.

134,055
DESIGN FOR A COMPACT
David W. Dunberg, New York, N. Y.
Application August 19, 1942, Serial No. 107,968
Term of patent 7 years



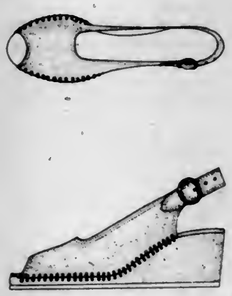
The ornamental design for a compact, substantially as shown and described.

134,056
DESIGN FOR A PORTABLE CONTAINER FOR LIQUIDS
William B. Johnson, United States Army
Application September 30, 1941, Serial No. 103,585
Term of patent 3½ years



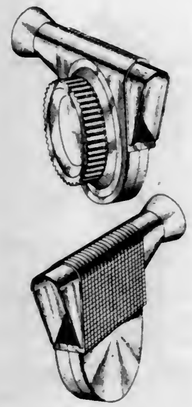
The ornamental design for a portable container for liquids, as shown and described.

134,057
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David E. Levin, New York, N. Y.
Application February 28, 1942, Serial No. 106,041
Term of patent 3½ years



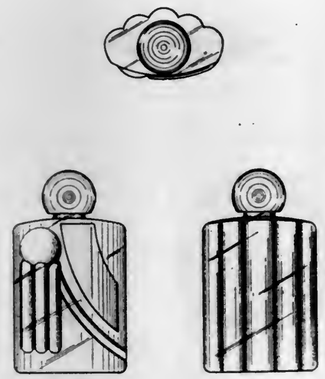
The ornamental design for a shoe or similar article, substantially as shown.

134,058
DESIGN FOR A RANGE FINDER
Raymond F. Loewy, New York, N. Y., assignor to Schick Incorporated, Stamford, Conn., a corporation of Delaware
Application August 20, 1942, Serial No. 107,981
Term of patent 14 years



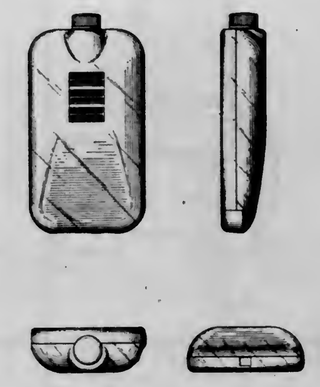
The ornamental design for a range finder, as shown.

134,059
DESIGN FOR A BOTTLE
Frank McIntosh, New York, N. Y., assignor to Lentheric, Incorporated, New York, N. Y., a corporation of New York
Application September 30, 1941, Serial No. 103,571
Term of patent 7 years



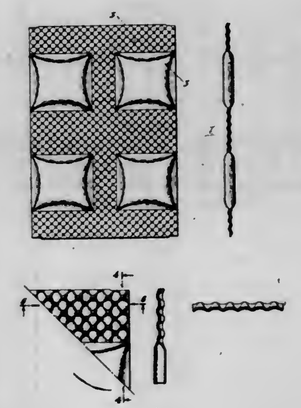
The ornamental design for a bottle, substantially as shown.

134,060
DESIGN FOR A HEARING AID APPARATUS CASE
William D. Penn, Dallas, Tex.
Application August 19, 1942, Serial No. 107,964
Term of patent 3½ years



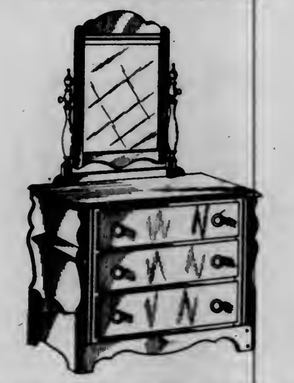
The ornamental design for hearing aid apparatus case, as shown and described.

134,061
DESIGN FOR A MULTIPLE ENVELOPE OR SIMILAR PACKAGE
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application February 4, 1942, Serial No. 105,626
Term of patent 14 years



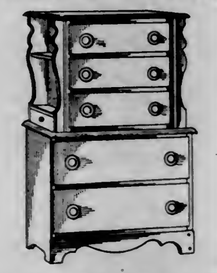
The ornamental design for a multiple envelope or similar package, as shown and described.

134,062
DESIGN FOR A DRESSER
Delwin C. Witman, Mansfield, Ohio, assignor to Sun Glow Industries, Inc., Mansfield, Ohio, a corporation of Ohio
Application July 15, 1942, Serial No. 107,544
Term of patent 3½ years



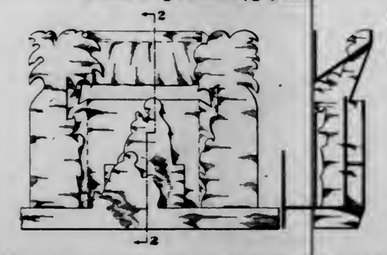
The ornamental design for a dresser, as shown.

134,063
DESIGN FOR A CHEST-ON-CHEST
Delwin C. Witman, Mansfield, Ohio, assignor to Sun Glow Industries, Inc., Mansfield, Ohio, a corporation of Ohio
Application July 15, 1942, Serial No. 107,545
Term of patent 3½ years



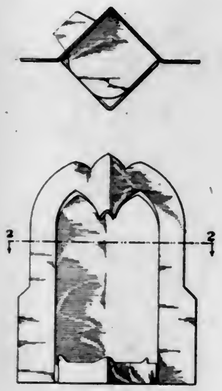
The ornamental design for a chest-on-chest, as shown.

134,064
DESIGN FOR A MINIATURE SHRINE
Erwin Herz, New York, N. Y.
Application July 30, 1942, Serial No. 107,762
Term of patent 3½ years



The ornamental design for a miniature shrine, as shown.

134,065
DESIGN FOR A MINIATURE CRIB
Erwin Herz, New York, N. Y.
Application July 30, 1942, Serial No. 107,763
Term of patent 3½ years



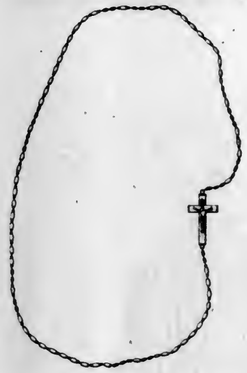
The ornamental design for a miniature crib, as shown.

134,066
DESIGN FOR A MUSICAL WIND INSTRUMENT
Julius Hommer, Union, N. J.
Application January 31, 1942, Serial No. 105,543
Term of patent 3½ years



The ornamental design for a musical wind instrument, substantially as shown.

134,067
DESIGN FOR A ROSARY
James McNamee, Edmond, Okla.
Application May 8, 1942, Serial No. 106,831
Term of patent 14 years



The ornamental design for a rosary, as shown.

134,068
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Walter C. Peters, Atlanta, Ga.
Application December 30, 1941, Serial No. 104,921
Term of patent 3½ years



The ornamental design for a badge or similar article, substantially as shown and described.

134,069
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
John S. Suarez, Brooklyn, N. Y.
Application February 10, 1942, Serial No. 105,740
Term of patent 3½ years



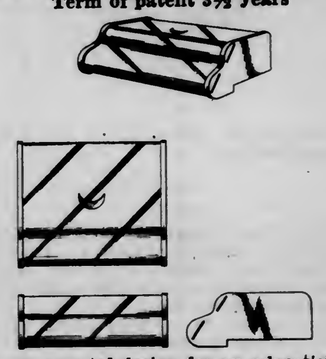
The ornamental design for a brooch or similar article, as shown.

134,070
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
John S. Suarez, Brooklyn, N. Y.
Application February 10, 1942, Serial No. 105,742
Term of patent 3½ years



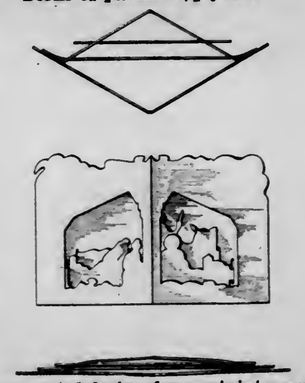
The ornamental design for a brooch or similar article, as shown.

134,071
DESIGN FOR AN ADVERTISING SIGN
Philip F. Wendell, La Crescent, Minn.
Application July 20, 1942, Serial No. 107,625
Term of patent 3½ years



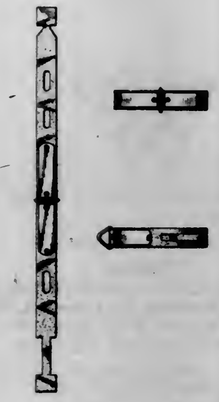
The ornamental design for an advertising sign, substantially as shown.

134,072
DESIGN FOR A MINIATURE MANGER
Siegfried Buck, New York, N. Y.
Application July 17, 1942, Serial No. 107,587
Term of patent 3½ years



The ornamental design for a miniature manger, substantially as shown.

134,073
DESIGN FOR A DOG COLLAR
Samuel Johnson, Fort Lauderdale, Fla.
Application August 20, 1942, Serial No. 107,974
Term of patent 14 years



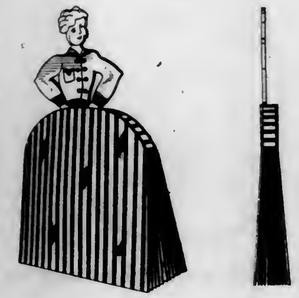
The ornamental design for a dog collar, as shown and described.

134,074
DESIGN FOR A PAIR OF SEMIRIMLESS SPECTACLES
John J. Rohrbach, Rochester, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York
Application July 24, 1941, Serial No. 102,449
Term of patent 14 years



The ornamental design for a pair of semirimless spectacles, substantially as shown and described.

134,075
DESIGN FOR A PHOTOGRAPHIC EASEL ALBUM OR SIMILAR ARTICLE
Alfred Tepel, New York, N. Y.
Application October 7, 1941, Serial No. 103,669
Term of patent 3½ years



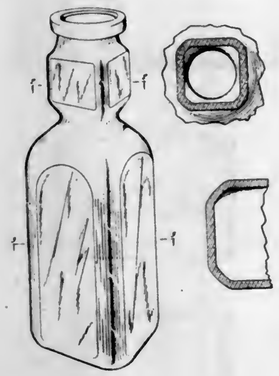
The ornamental design for a photographic easel album or similar article, as shown and described.

134,076
DESIGN FOR A LITURGICAL FABRIC OR SIMILAR ARTICLE
Apollinaris Baumgartner, New York, N. Y.
Application September 4, 1942, Serial No. 108,141
Term of patent 3½ years



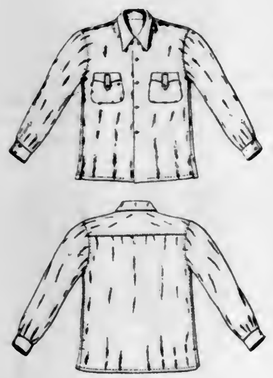
The ornamental design for a liturgical fabric or similar article, substantially as shown.

134,077
DESIGN FOR A BOTTLE
Ruth M. Clark, Albany, N. Y.
Application March 9, 1942, Serial No. 106,121
Term of patent 14 years



The ornamental design for a bottle, as shown and described.

134,078
DESIGN FOR A SPORT SHIRT
Louis M. Fisch, Los Angeles, Calif.
Application July 23, 1941, Serial No. 102,388
Term of patent 14 years



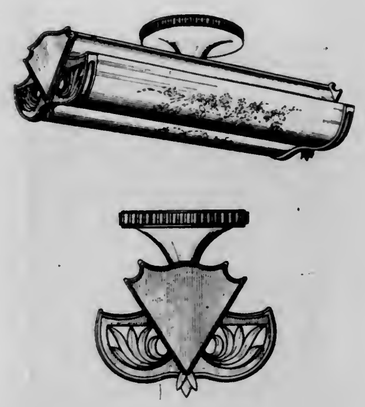
The ornamental design for a sport shirt, as shown and described.

134,079
DESIGN FOR A LIGHTING FIXTURE
Herman N. Gordon, New York, N. Y., assignor to Isidor Rosenblatt and Max Rosenblatt, copartners doing business as Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y.
Application June 6, 1941, Serial No. 101,320
Term of patent 3½ years



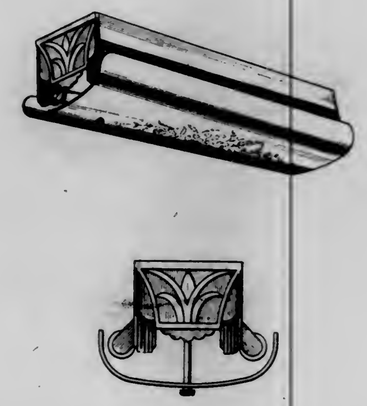
The ornamental design for a lighting fixture, as shown and described.

134,080
DESIGN FOR A LIGHTING FIXTURE
Herman N. Gordon, New York, N. Y., assignor to Isidor Rosenblatt and Max Rosenblatt, copartners doing business as Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y.
Application June 6, 1941, Serial No. 101,321
Term of patent 3½ years



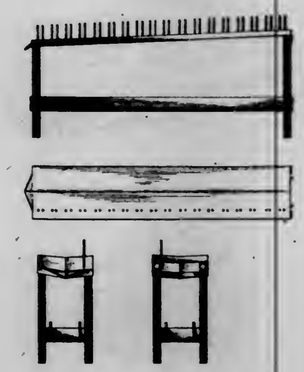
The ornamental design for a lighting fixture, as shown and described.

134,081
DESIGN FOR A LIGHTING FIXTURE
Herman N. Gordon, New York, N. Y., assignor to Isidor Rosenblatt and Max Rosenblatt, co-partners doing business as Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y.
Application June 6, 1941, Serial No. 101,323
Term of patent 3½ years



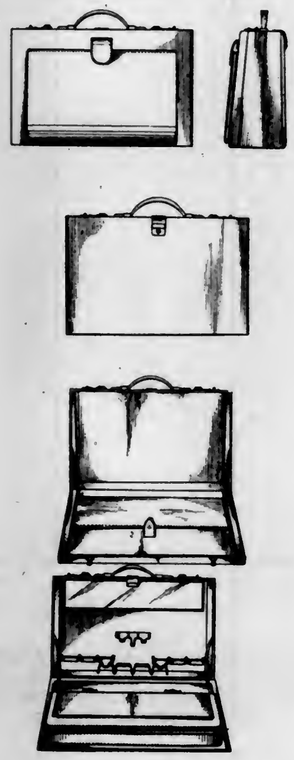
The ornamental design for a lighting fixture, as shown and described.

134,082
DESIGN FOR A SHOE STERILIZER DRAIN RACK
Walter A. Higgins, United States Army, Fall River, Mass.
Application August 22, 1942, Serial No. 108,001
Term of patent 3½ years



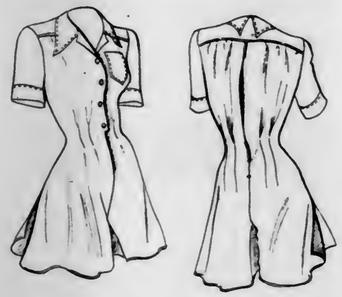
The ornamental design for a shoe sterilizer drain rack, as shown.

134,083
DESIGN FOR A TRAVELING CASE
Florence N. Lewis, New York, N. Y.
Application September 3, 1942, Serial No. 108,116
Term of patent 7 years



The ornamental design for a traveling case, substantially as shown.

134,084
DESIGN FOR A COMBINATION GARMENT
Aaron S. Menzin, Oakland, Calif.
Application June 29, 1942, Serial No. 107,369
Term of patent 14 years



The ornamental design for a combination garment, as shown.

134,085
DESIGN FOR A SEW-ON BUTTON
Conrad Nilsen, Mattapan, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application July 13, 1942, Serial No. 107,522
Term of patent 14 years



The ornamental design for a sew-on button, as shown.

134,086
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application July 16, 1942, Serial No. 107,574
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

134,087
DESIGN FOR A RING
Alfred Philippe, Providence, R. I.
Application September 16, 1942, Serial No. 108,251
Term of patent 3½ years



The ornamental design for a ring, substantially as shown.

134,088
DESIGN FOR A RING
Alfred Philippe, Providence, R. I.
Application September 16, 1942, Serial No. 108,252
Term of patent 3½ years



The ornamental design for a ring, substantially as shown.

134,089
DESIGN FOR A DOLL
Agop M. Agopoff and Ralph A. Freundlich, New York, N. Y., assignors to Freundlich Novelty Corporation, New York, N. Y., a corporation of New York
Application December 8, 1941, Serial No. 104,535
Term of patent 7 years



The ornamental design for a doll, as shown.

134,090
DESIGN FOR A LITURGICAL FABRIC OR SIMILAR ARTICLE
Apollinaris Baumgartner, New York, N. Y.
Application September 4, 1942, Serial No. 108,142
Term of patent 3½ years



The ornamental design for a liturgical fabric or similar article, substantially as shown.

134,091
DESIGN FOR A DRESS
Frank C. Brogan, Larchmont, N. Y.
Application September 17, 1942, Serial No. 108,256
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,092
DESIGN FOR A DRESS
Sylvia Faden, New York, N. Y.
Application September 16, 1942, Serial No. 108,249
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,093
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application September 17, 1942, Serial No. 108,258
Term of patent 3½ years



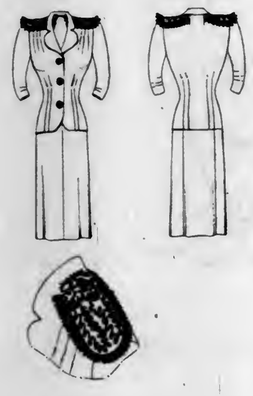
The ornamental design for a dress, substantially as shown.

134,094
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application September 17, 1942, Serial No. 108,259
Term of patent 3½ years



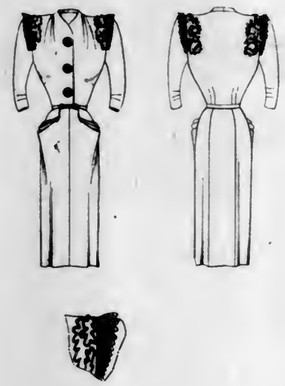
The ornamental design for a dress, substantially as shown.

134,095
DESIGN FOR A DRESS
Abe Gershuny, New York, N. Y.
Application September 21, 1942, Serial No. 108,299
Term of patent 3½ years



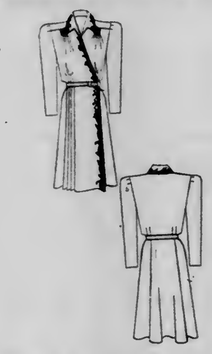
The ornamental design for a dress, substantially as shown.

134,096
DESIGN FOR A DRESS
Abe Gershuny, New York, N. Y.
Application September 21, 1942, Serial No. 108,300
Term of patent 3½ years



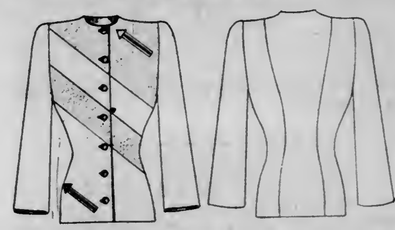
The ornamental design for a dress, substantially as shown.

134,097
DESIGN FOR A DRESS
Etta Marcus Horblit, Roxbury, Mass.
Application September 17, 1942, Serial No. 108,257
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,098
DESIGN FOR A JACKET
Barbara Moye, New York, N. Y.
Application September 21, 1942, Serial No. 108,301
Term of patent 3½ years



The ornamental design for a jacket, substantially as shown.

134,099
DESIGN FOR A DRESS
Barbara Moye, New York, N. Y.
Application September 21, 1942, Serial No. 108,302
Term of patent 3½ years



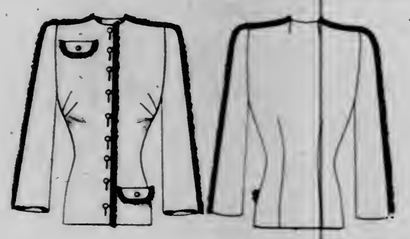
The ornamental design for a dress, substantially as shown.

134,100
DESIGN FOR A DRESS
Barbara Moye, New York, N. Y.
Application September 21, 1942, Serial No. 108,303
Term of patent 3½ years



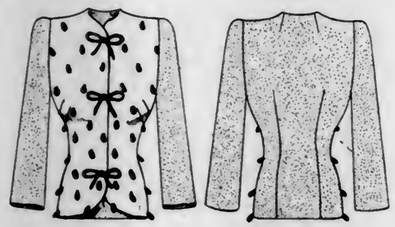
The ornamental design for a dress, substantially as shown.

134,101
DESIGN FOR A JACKET
Barbara Moye, New York, N. Y.
Application September 21, 1942, Serial No. 108,304
Term of patent 3½ years



The ornamental design for a jacket, substantially as shown.

134,102
DESIGN FOR A JACKET
Barbara Moye, New York, N. Y.
Application September 21, 1942, Serial No. 108,305
Term of patent 3½ years



The ornamental design for a jacket, substantially as shown.

134,103
DESIGN FOR A DRESS
Samuel Riesenberg, New York, N. Y.
Application September 21, 1942, Serial No. 108,306
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,104
DESIGN FOR A DRESS
David R. Sadowsky, New York, N. Y.
Application September 19, 1942, Serial No. 108,274
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,105
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Michael Angelo Susi, New York, N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application August 31, 1942, Serial No. 108,090
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, substantially as shown and described.

134,106
DESIGN FOR AN EMBROIDERED LACE TRIMMING
Herman Krieger, Brooklyn, N. Y.
Application September 17, 1942, Serial No. 108,260
Term of patent 3½ years



The ornamental design for an embroidered lace trimming, substantially as shown.

134,107
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Michael Angelo Susi, New York, N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application September 21, 1942, Serial No. 108,307
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, substantially as shown and described.

Patents Nos. 2,299,066 to 2,299,721

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 543—No. 3 TUESDAY, OCTOBER 20, 1942 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF OCTOBER 20, 1942	431
TRANSFER OF CLASS	431
INTERFERENCE NOTICE	431
DRAWINGS	431
RULE 72	431
APPLICATIONS UNDER EXAMINATION	432
DECISIONS OF THE U. S. COURTS—	
Seyfarth v. Coe, Commissioner of Patents	433
Leighton v. Coe, Commissioner of Patents	435
In re Greider et al	436
Hainsworth v. Philipp	438
In re Malcom	440
PATENT SUITS	442
TRADE-MARK REGISTRATIONS CANCELED	443
DISCLAIMERS	443
CHANGES IN CLASSIFICATION	443
TRADE-MARKS PUBLISHED (92 APPLICATIONS)	457
TRADE-MARK REGISTRATIONS GRANTED	468
TRADE-MARK REGISTRATIONS RENEWED	474
REISSUES	479
PLANT PATENTS	480
PATENTS GRANTED	481
DESIGNS	636

October 20, 1942

Trade-marks	129—No.	398,229 to No.	398,357, inclusive.
T. M. Renewals	68		
Reissues	5—No.	22,204 to No.	22,208, inclusive.
Plant Patents	2—No.	552 to No.	553, inclusive.
Patents	656—No.	2,299,066 to No.	2,299,721, inclusive.
Designs	52—No.	134,108 to No.	134,159, inclusive.
Total	912		

Transfer of Class

ORDER 3,660

U. S. PATENT OFFICE, *Richmond, Va., October 5, 1942.*

The following transfers, to take effect October 12, 1942, are hereby ordered:

Class 237, Heating Systems, from Division 46 to Division 30.
Class 49, Glass, from Division 15 to Division 5.
Class 202, Distillation, from Division 64 to Division 25.

CONWAY P. COE,
Commissioner.

Interference Notice

U. S. PATENT OFFICE, *Richmond, Va., Sept. 11, 1942.*

Green & Gold Groves, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of J. E. Stansfield, P. O. Box 746, Arvin, Calif., for registration of a trade-mark and trade-mark registered February 13, 1940, No. 375,272, to Green & Gold Groves, Inc., P. O. Box 355, Pico, Calif., and the notice of such proceeding sent by registered mail to said Green & Gold Groves, Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Green & Gold Groves, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Drawings

PRECAUTIONS TO BE OBSERVED IN FORWARDING DRAWINGS TO THE UNITED STATES PATENT OFFICE

Where drawings are to be filed in connection with an application for Letters Patent in the United States Patent Office, each sheet, before it can be accepted by the Office as a part of the application, must be signed in the name of the inventor at the lower right-hand corner, either by him or by an attorney whose written authorization from the applicant is filed in connection with the application. The signatures should never be written on a line parallel with the longer edges of the sheet, one of the shorter edges being always regarded, for the purpose of locating the signatures, as the lower edge of the sheet. The signatures must all be within the margin of the sheet and below the lines of the drawing. The title of the invention should be written with pencil on the back of each sheet of drawings.

When there are filed on the same day two or more applications by the same inventor, each of the documents and drawings belonging to the same application, should have placed thereon the same letter or number, which should be different from the letter or number placed upon those of any other of the applications.

It is desirable that all parts of the complete application, including the drawings, be deposited in the Office at the same time. Should, however, the other parts of the application be filed before the drawings are sent, the latter when forwarded should be accompanied by a letter stating the number of sheets inclosed, and that the drawings are to be filed with the other parts of the application, giving the date at which such other parts were filed in the Office, the name of the inventor, and title of the invention. If the application has received a serial number, that should also be given, and it should be indorsed with pencil on the back of each sheet of drawings. The letter should also state, if such be the case, that the new drawings are to be substituted for those previously filed.

Rule 72

RULE 72. After the completion of the application the Office will not return the specification for any purpose whatever. If applicants have not preserved copies of the paper which they wish to amend, the Office will furnish them on the usual terms.

The drawing may be withdrawn only for such corrections as cannot be made by the Office; but a drawing cannot be withdrawn unless a photographic copy has been filed and accepted by the Examiner as a part of the application. Permissible changes in the construction shown in any drawing may be made only by the Office and after an approved photographic copy has been filed. Sketches filed to show proposed changes in construction must be in permanent ink. (See Rule 30.) Substitute drawings will not be admitted in any case unless required by the Office.

Condition of Applications Under Examination at Close of Business October 3, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,813; Trade-Mark Division, 917. Oldest new case, Nov. 17, 1941; oldest amended, Dec. 4, 1941.)
(The dates given are 1942 except where † indicates 1941)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Closure Operators; Fences; Gates; Tillage: Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Domestic Cooking Vessels; Sewerage.	Feb. 27	Mar. 12	554
2. HERRMANN, D., Fishing and Trapping; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Feb. 12	Feb. 19	410
3. WOLFFE, S., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 14	Feb. 11	891
4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Mar. 23	Mar. 21	484
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	May 1	May 6	219
6. GENIESSE, E. W., Carbon Chemistry (part)	Jan. 20	Feb. 11	1279
7. JARBOE, C. G., Optics, Photography	Jan. 7	Jan. 10	1223
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Apr. 21	Apr. 17	710
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 6	Apr. 1	660
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	June 17	June 8	318
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Stop Mechanisms	Mar. 26	Apr. 3	366
13. MANIAN, J. C. (Act.), Metal Working (part); Gear Cutting, Milling and Planing; Needle and Pin Making	Jan. 24	Jan. 19	673
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Apr. 27	Apr. 24	538
15. HENKIN, BENJ., Glass, Plastic Block and Earthenware Apparatus; Plastics	Jan. 26	Jan. 31	1084
16. SPENCER, C. J., Telegraphy; Telephony	Mar. 7	Mar. 10	726
17. HABECKER, LEON B., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 12	†Dec. 4	992
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines	Mar. 4	Feb. 2	561
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Feb. 4	Feb. 10	752
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part).	Feb. 14	Feb. 4	516
21. THOMPSON, T. J., Textiles	Apr. 4	May 15	371
22. RINGLE, D., Aeronautics; Firearms; Ordnance and Explosive Devices	†Dec. 24	†Dec. 24	1778
23. BARROWS, B., Cash Registers; Calculators (part)	Mar. 10	Mar. 14	157
24. KISSINGER, M. C. (Acting), Apparel; Apparel Apparatus; Sewing Machines	Apr. 20	Apr. 15	694
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 27	May 23	233
26. YOUNG, R. R., Electricity—Generation and Motive Power	Mar. 19	Mar. 26	392
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Mar. 13	Mar. 19	238
28. SOLYOM, H. L., Internal-Combustion Engines (part); Cylinders and Pistons	Apr. 18	Mar. 4	181
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Apr. 7	Apr. 3	483
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 2	May 4	263
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Apr. 6	Apr. 6	1307
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Apr. 8	Apr. 15	751
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	Apr. 29	Apr. 27	638
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	June 6	June 6	356
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles	Feb. 14	Feb. 9	961
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Apr. 6	Apr. 2	477
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 4	May 30	461
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Apr. 28	Apr. 16	556
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	June 3	June 8	277
40. DRUMMOND, E. J., Receptacles	Feb. 28	Feb. 28	1325
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Apr. 7	Apr. 4	505
42. MARANS, H., Electric Signaling	Mar. 16	Mar. 12	514
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Azo Compounds.	†Nov. 27	†Nov. 27	1054
44. HARVEY, L. P., Refrigeration	May 6	Mar. 19	328
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	Apr. 27	Apr. 25	761
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Heating Systems; Coating Apparatus.	Jan. 5	Jan. 10	750
47. KANOF, WM. J., Clutches and Power Stops; Brakes; Boring and Drilling; Land Vehicles (part)	Mar. 2	Mar. 11	1063
48. ROEPKE, O. B., Electricity, General Applications; Igniters	†Dec. 29	†Dec. 29	788
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 31	Apr. 2	530
50. LEVIN, SAMUEL, Resins; Rubber; Carbohydrates and Derivatives	Mar. 4	Mar. 4	1596
51. BACKUS, C. D., Radiant Energy	Apr. 4	Apr. 21	681
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	June 20	June 20	297
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Curtains, Shades and Screens; Cutlery.	Jan. 26	Mar. 19	364
54. STRACHAN, O. W., Electric Lamp and Discharge Devices (part)	Apr. 4	Apr. 25	508
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery	June 12	July 8	168
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Laminated Fabrics (part); Paper Making	Feb. 5	Feb. 12	1272
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	May 1	May 23	366
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working	June 8	May 1	302
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds; Compositions (part).	†Nov. 17	†Dec. 4	1749
60. GLASS, R. L., Electricity, Heating and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Marine Propulsion; Consumable Electrode Lamp and Discharge Devices.	Apr. 4	Apr. 17	387
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Laminated Electrical Insulation, Belt, Hose, Tire and Ball Making; Boats and Buoys.	Feb. 7	Feb. 6	869
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Dec. 8	Apr. 9	398
63. WINKELSTEIN, A. H., Preserving; Poisons; Fermentation; Foods and Beverages; Proteins; Oils and Fats.	Jan. 5	Jan. 16	1248
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Distillation; Fuel	Mar. 20	Mar. 20	1572
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays.	Mar. 23	Mar. 28	458
Trade Marks: RICHMOND, F. A.	Sept. 2	Sept. 17	917
Designs: KALUPY, H. H.	Sept. 5	Sept. 5	365

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

SEYFARTH
v.
COE, COMMISSIONER OF PATENTS
No. 7,820. Decided June 29, 1942

PATENTABILITY—PRESHRINKING PROCESS.

Where, if invention exists in appellant's process for preshrinking finished cotton garments, it rests in the feature of shrinking the garments without removing the bulk of the sizing therefrom, but that essential feature was not recited in the single claim to which appellant limited his appeal *Held* that said claim could not be allowed to appellant.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

EDGERTON, *A. J.*, concurring in the result.

Mr. Lynn A. Williams (*Mr. James H. Littlehales* of counsel) for Seyfarth.

Mr. W. W. Cochran for the Commissioner of Patents.

Before STEPHENS, EDGERTON, and RUTLEDGE, Associate Justices

RUTLEDGE, *A. J.:*

The suit is pursuant to Rev. Stat. § 4915 (1878), 35 U. S. C. § 63 (1934) [as amended August 5, 1939, c. 451, § 4, 53 Stat. 1212], to obtain a patent upon a process for preshrinking cotton goods during manufacture of clothing to prevent shrinkage afterward. The Patent Office denied a patent for want of invention. For the same reason the district court dismissed the suit. The appeal is from that judgment. For reasons to be stated, we think it must be affirmed.

New cotton cloth shrinks when wet. So do new cotton garments when laundered. Shrinkage must be taken into account in making them. The problem is old. So are some methods of meeting it. The most common one is to cut the garment pieces larger than the intended size. Several launderings—four or five—are required to secure full shrinkage. These usually take place after the garment is sold to the consumer.

Appellant's process, "Relyonsize," preshrinks the finished garment. It has been used chiefly in making low-cost men's shirts. Preshrinking is not new. Appellant's improvements are in the accuracy, speed and completeness of the shrinking and in doing it without removing the sizing applied in making the cloth. The claimed advantages are that the shirt (1) is fully shrunk, and (2) retains the "feel," sheen and better appearance given by the sizing and regarded by trade custom as necessary for marketing. A short explanation of the way cotton yarn, cloth, and garments are manufactured will aid in understanding the claimed invention.

Natural cotton fiber is shaped like a corkscrew. In spinning and weaving, tension is applied repeatedly. This straightens and elongates the fibers. To hold them in their elongated shape sizing, composed of starches, gums and tallows, is applied. This makes the fibers, the yarn and the cloth easier to handle, less likely to ravel. It also gives the finished garment better appearance. Wetting the cloth softens the sizing. Four or five launderings remove it entirely. Softening the sizing releases the elongated fibers to resume their natural or spiral shape. Hence shrinkage. In weaving more tension is placed on the warp than on the weft or woof. Sizing holds the fibers in these different tensions. Softening therefore causes greater shrinkage in the warp than in the weft. Consequently shrinkage of the cloth is not uniform in the two directions. This complicates somewhat the problem of cutting to allow for it.

Appellant's "Relyonsize" process uses regular sized, calendered and finished piece goods in all the steps of cutting, folding and sewing the pieces into a complete oversized shirt. Previously, from a sample, accurate predetermination of the amount of shrinkage is made, and the cloth is cut to allow for this. The completed oversized shirt is wet thoroughly in water containing a "wetting-out" agent. This is a chemical which softens thoroughly, but does not remove the bulk of the sizing. The softening allows the fibers to resume fully their natural corkscrew shape. Hence the shirt is shrunken completely, permanently and to the intended size. The shrinking takes place in one submergence lasting a minute or two. It is the equivalent of what occurs in four or five launderings. Water is removed from the shrunken shirt by a centrifugal extractor. Then the garment is pressed on a heated, flat buck so that no stretching of fabric occurs, and the sizing is dried, hardened and reset so that it grips and encases the shortened corkscrew fibers. The shirt is then folded and packaged for sale. The buyer gets a shirt neither too big when it is new nor too small when it is washed, and one which retains the sizing gloss.

The invention, as it is now claimed, is in the features of complete, quick and accurate preshrinking to the size desired and doing this without removing the sizing. The process has been a commercial success. It works quickly and cheaply. This is important, since competition in producing low-cost shirts is keen and slight difference in cost may make or break a product. "Relyonsizing" may be used on either colored or bleached garments.

The Patent Office denied a patent on two references, Ainslie, No. 1,480,541, and a publication, Watson, "Textiles and Clothing," page 212. The district court added Cluett, Nos. 1,861,423 and 1,944,001. The latter involve a widely used preshrinking process known as "Sanforizing." There was also a stipulation concerning the ancient practice of housewives to make garments larger than the size desired to allow for shrinkage.

Watson teaches preshrinking by washing, pre-

determination of the percentage by measuring, washing, pressing, then measuring again, a sample of the material. She also suggests allowance for shrinkage in making up wash goods to be worn several times before washing.

Ainslie also discloses preshrinking by washing. It uses "gray goods," that is, unbleached and unshrunk cloth. This is cut in oversize blanks, which are sewed together to make an oversized garment. It is then bleached and shrunk. The process has been used largely in making collars.

Cluett was the principal reference in the trial court. A sample is laundered several times to determine the amount of shrinkage. With this information as a guide, piece goods is moistened slightly and then crinkled. The crinkling is mechanical, like that of crepe paper. It reduces the goods approximately to the size which full natural shrinkage by laundering would produce. After crinkling, the sizing, which is merely softened and only partly releases the fibers from its binding action, is set again by heat. Sanforizing therefore produces a crinkled garment of the size desired and also retains the sizing. But, according to the evidence, Sanforized garments increase again in size with the first laundering, which removes the crinkle. Then they shrink again as subsequent washings remove the sizing.

Appellant claims definite advantages over all the references. According to the evidence, Ainslie cannot be used on colored garments, since it uses "gray goods," and there is no known art for dyeing or printing garments of such material after it is made up. "Gray goods" also must be starched after the garment is finished by this process. The shrinking is done by washing, as is predetermination of its amount. Appellant also says the latter process does not disclose in advance the precise dimensions the garment will have after several launderings.

Watson teaches preshrinking by washing only, which would remove the sizing and the cloth's luster and finish, if done before sale. If not done then, the purchaser would buy an oversized garment and then launder it several times to secure full shrinkage. Percentages of shrinkage produced in the warp and weft are different. It is claimed also that Watson teaches no method for accurate predetermination of shrinkage.

Appellant admits that Sanforizing "comes close to a solution of the problem." But he says it does not fully solve it because it produces a mechanical, not a natural shrinkage. Crinkling shrinks the fabric mechanically, not by releasing the fibers from the grip of the sizing as "Relyonsizing" does. This, appellant says, is the vital distinction between the two processes.

It seems clear that appellant's process is highly useful and efficient, produces the results claimed for it, and does this simply and at low cost. Without doubt it is a useful improvement.

Appellant summarizes the features of novelty in his process as consisting in: (1) precompensating exactly for the shrinkage in both warp and weft directions, as determined from the complete shrinkage of a sample; (2) performing all the spreading, cutting and sewing operations on regularly sized fabric; (3) thoroughly wetting the otherwise completed shirt, using a penetrating or wetting-out agent, and thereby retaining the sizing within the fabric; and (4) pressing and folding the shirt without stretching, thereby drying and resetting the sizing in such a way as to produce a shirt having the finish, feel and appearance necessary to salability. It is said the prior art does not disclose this process or any by which these results may be obtained.

Before the Patent Office and in the district court appellant relied on numerous claims. Some emphasized as inventive the method of predetermining the amount of shrinkage. Taken independently of other features, it is not so. Watson and Cluett disclose predetermination by measuring shrinkage in a sample. They follow or suggest shrinking by laundering or washing. Appellant does it by wetting out. If his measurement is more accurate, it is because his shrinking is more complete, in other words because wetting-out action is more thorough and reliable than laundering. There is no invention in the mere refinement of the methods of measurement.

Nor is there in the use of regularly sized fabric in spreading, cutting and sewing. This appears to be the normal mode of manufacture. Ainslie departs from it by using "gray goods." Cluett crinkles the sized goods. If these are departures from usual procedure, that does not make appellant's observance of it inventive.

Neither is there invention in removing the water from the shrunken goods with the centrifugal extractor or in pressing the shirt on the heated flat buck. None of these features, nor all of them together, contain anything new in the inventive sense. All are mere adaptations of the prior art. If they have any inventive effect, it is because they are found in combination with the other feature stressed, and now the one principally relied upon.

This is the use of the wetting-out agent. Appellant does not claim that wetting out as such is new, or that the chemical substance used for this is part of his invention. Use of wetting-out agents in general is well known. The claimed invention is merely in adapting their use to finished oversized garments to produce complete, quick and inexpensive shrinkage and also retain the sizing. In no other way has appellant changed the normal modes of manufacture.

The idea amounts to a short-cut laundering process so far as the shrinking is concerned. It does in this respect just what four to six launderings would do. Moreover, it does this quickly and cheaply. It eliminates the cost of successive launderings. The process also retains the sizing, which laundering would remove. There are therefore two advantages over other known methods, except Sanforizing. The shrinkage is done quickly, cheaply, completely and accurately. The bulk of the sizing remains.

In view of the well-known properties and uses of wetting-out agents, we cannot say there was invention in adapting their use to the manufacture of finished garments, so far as the feature of shrinkage alone is concerned. The addition of stronger solvents in wetting or laundering to release the fibers more rapidly and fully seems clearly to be taught by common experience or laundering practice, if it is not obvious. Invention, if it exists, must rest therefore upon accomplishing this without removing the sizing. The latter effect is essential, whether as being in itself inventive or as being so in combination with the shrinking and the way in which it is accomplished.

The trial court seems to have thought that both features have been anticipated. We are unable to find anticipation of the combination in the references. Neither Watson nor Ainslie suggests or teaches complete shrinking and retention of sizing in one operation. Their method of shrinking would make retention of the sizing impossible. Cluett attains both advantages, but does so only apparently. Sanforizing both shrinks the goods and retains the sizing. But the shrinking is not the sort which Relyonsizing achieves. It is mechanical and, according to this record temporary, that is, effective only until the first laundering. Then the mechanical or crinkled shrinkage disappears, the garment expands almost to its original oversized proportions, and several launderings are required to reduce it to its permanent size. There is therefore no true immediate shrinkage in Sanforizing as there is in Relyonsizing. Because there is an apparent one, Sanforizing may be regarded as suggesting the combination of complete and permanent shrinking and almost complete retention of sizing. It does not achieve the combination. Nor does any of the other references.

However, in view of the status of the case on the appeal, we are not required to decide whether the trial court was wrong in holding the invention anticipated by the prior art. At the oral argument, counsel abandoned the appeal as to all claims except one and limited it to claim four. It is as follows:

> The method of manufacturing an article of clothing made from a woven fabric in which the thread fibers are constrained in elongated condition by starch or the like, which will be softened and partially removed during wetting and upon removal will permit the thread fibers to contract to their normal condition, thereby causing shrinkage in the article of clothing; which comprises cutting the pieces from the starched fabric, sewing the pieces together to form the article of clothing, thoroughly wetting the sewed article by means of water containing a wetting out agent, and pressing and folding the article substantially without stretching the thread fibers.

We are unable to find in the language of this claim anything which requires retention of the sizing, or the bulk of it, in connection with or as a consequence of the process. That feature as we have said is essential, if invention exists in this process. It is as important as the shrinking feature, or more so. Without it there was only a short-cut laundering, which was either obvious or taught by the prior art to one skilled in it. For want of sufficient description of the invention in the only claim now before us, the judgment of dismissal must be affirmed. To direct that a patent issue on that claim in effect would be to give appellant a monopoly upon use of wetting-out agents in preshrinking cotton garments. In itself, as we have said, that would not be patentable.

We are not at liberty, as appellant suggests, to fill out the deficiency in the claim by reference to the application or to other claims not before us.

We have considered appellant's other objections to the proceedings in the trial court, but find nothing in them which amounts to reversible error.

The judgment is affirmed.

EDGERTON, *A. J.*, concurs in the result.

U. S. Court of Appeals for the District of Columbia

LEIGHTON
v.
COE, COMMISSIONER OF PATENTS
No. 7,963. Decided September 2, 1942

SUIT UNDER SECTION 4915 R. S.—ABSENCE OF APPEAL TO THE BOARD OF APPEALS.

Where L in his complaint filed under section 4915 R. S. did not allege that he had taken an appeal to the Board of Appeals, and the record before the district court showed that such an appeal had not been taken *Held* that the district court properly dismissed said complaint in view of the provisions of section 4915.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

RUTLEDGE, *J.*, concurring in the result.

Mr. Nelson J. Jewett, by appointment of the court, for Leighton.

Mr. W. W. Cochran for the Commissioner of Patents.

Before STEPHENS, VINSON, and RUTLEDGE, Associate Justices

STEPHENS, *A. J.:*

This is an appeal from an order of the District Court of the United States for the District of Columbia dismissing a complaint of the appellant Albert Leighton. The complaint, filed under Rev. Stat. § 4915 (1878), 35 U. S. C. § 63 (1940), sought an order authorizing the Commissioner of Patents, the appellee herein, to reissue U. S. Patent No. 1,986,508 of which the appellant was alleged to be the patentee and owner.

It appears from the record in the Patent Office, which was before the trial court and is before this court on appeal, and from the pleadings, that after the final rejection by the Acting Examiner of the appellant's application for reissue on March 25, 1939, the appellant took no appeal to the Board of Appeals; he attempted in propria persona an informal appeal by letters written to the Patent Commissioner but did not pay the required fee. Rev. Stat. § 4909 (1878), 35 U. S. C. § 57 (1940), provides that every applicant for a patent or for the reissue of a patent, any of the claims of which have been twice rejected, may appeal from the decision of the Primary Examiner to the Board of Appeals, "having once paid the fee for such appeal." Rev. Stat. § 4934 (1878), 35 U. S. C. § 78 (1940), fixes a fee of $15. The failure to pay the fee was it appears due to the appellant's poverty. The patent statutes

contain no provisions for proceedings in forma pauperis.

After the filing of the appellant's complaint in the district court the Commissioner moved to dismiss the action upon the ground that under § 4915 the court lacked jurisdiction of the subject matter and upon the further ground that the complaint failed to state a claim upon which the relief sought could be granted. This motion was overruled without prejudice. It was not formally renewed upon the calling of the case for trial but nevertheless stood of record. The proceedings in the trial court were in forma pauperis. Application was made by the appellant for the appointment of counsel to represent him. The trial court, apparently in the exercise of its discretion under the in forma pauperis statute, which provides that the court "may request any attorney of the court to represent such poor person, if it deems the cause worthy of trial . . ." (27 Stat. 252 (1892), 28 U. S. C. § 835 (1940)), made no appointment of counsel. Before the case was called the appellant had informed the court through letters written and made of record that because of his poverty he would not be able to attend any trial in Washington unless transportation expenses were allowed to him. The court made no such allowance. It had no power under the statutes to do so. When the case was called the appellant did not appear. He had, however, mailed to the clerk and there had been placed of record in the files of the case a paper entitled "Pltfs. Statement of Facts" in which he set out the facts which he claimed underlay his case and in which he made contentions of law. On the calling of the case and the non-appearance of the appellant, the court, apparently on its own motion, dismissed the case for want of prosecution.

We think the dismissal was proper in view of the provisions of § 4915. That section provides, so far as here pertinent:

> Whenever a patent on application is *refused by the Board of Appeals* . . . the applicant, unless appeal has been taken to the United States Court of Customs and Patent Appeals, and such appeal is pending or has been decided, in which case no action may be brought under this section, may have remedy by bill in equity, if filed within six months after such refusal. . . . [Italics supplied.]

It is settled that in the absence of an appeal to, and refusal of an application by, the Board of Appeals, no action will lie under § 4915. The administrative remedy must be first exhausted. *American Cable Co.* v. *John A. Roebling's Sons Co.*, 62 App. D. C. 168, 65 F.(2d) 801, 431 O. G. 534 (1933). As stated above the record before the trial court showed that the appeal had not been taken. The appellant's complaint failed to allege that it had been taken. On this ground we affirm the dismissal. On the question whether, under the circumstances disclosed by the record, it was proper to dismiss the case for want of prosecution, we do not rule.

Affirmed.

RUTLEDGE, *J.*:

I concur in the result on the ground that the facts of record do not disclose any abuse of discretion upon the part of the trial court in dismissing the suit for want of prosecution.

U. S. Court of Customs and Patent Appeals

IN RE GREIDER ET AL.

No. 4,574. Decided June 1, 1942. Rehearing denied July 3, 1942

[— F.(2d) —]

1. PATENTABILITY—CRITICAL FEATURE.

"Although appellants' application states that the minimum size of particles of cork, viz., those which will not pass through a 'thirty-five (35) mesh screen,' is critical, no reason is given in their application for such statement, and there is nothing in the record to substantiate their claim that the size of the cork particles is critical; that is, that particles which will not pass through a 'thirty-five (35) mesh screen,' such as used by appellants, will produce a result different in kind from particles that will pass through a 'thirty-five (35) mesh screen.'"

2. SAME—DEFINITENESS.

"The term 'of substantial size' may be sufficiently definite where the use of granules or particles of a substantial size produces a result different in kind from that which results from the use of finely divided or powdered material."

3. SAME—SHINGLE.

Claims to a shingle reciting that the shingle contains cellular particles of substantial size, or cellular particles of a size which will not pass through a "thirty-five (35) mesh screen" *Held* not to distinguish patentably over the prior art by such recitations.

APPEAL from the Patent Office. Affirmed.

Mr. George W. Mills, Jr. (*Mr. Albert F. Robinson* of counsel) for Greider et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims (Nos. 1 to 13, inclusive) in appellants' application for a patent for an alleged invention relating to roofing and siding material, such as shingles.

Appellants' application discloses a prepared shingle comprising a fabric foundation saturated with bituminous material, a layer composed of cork particles of substantial size, and a layer of weather resisting grit surfacing material. The layer of cork granules serves to provide thermal insulation.

The phrase "particles of substantial size" is defined in appellants' application as meaning particles which will not "pass through a thirty-five (35) mesh screen."

The application states:

> * * * There is a critical minimum size for the cellular particles, but no maximum size, in order for them to function to provide thermal insulation.

Claims 1 and 7 are illustrative of the subject matter claimed. They read:

> 1. A shingle comprising a bituminized fibrous foundation having cellular particles of substantial size adhesively applied to one face thereof to provide a thermal insulating layer, an adhesive coating over the thermal insulating layer, and weather resisting grit material partially embedded in the adhesive coating.
>
> 7. A shingle comprising a bituminous fibrous foundation, a bituminous coating applied to one side of said foundation, an insulating layer of cellular particles of substantial size adhered to but unsaturated by the coating, and a layer of weather resistant material adhesively secured over the insulating layer.

The references are: Douthett, 2,021,716, November 19, 1935; Miller, 2,047,741, July 14, 1936; Miller, 2,047,742, July 14, 1936; Harris, 2,104,384, January 4, 1938; Harshberger, 2,133,988, October 25, 1938.

The patent to Douthett discloses a roofing material comprising a felt base on which is placed an adhesive in which are embedded weather resistant granular particles. The written specification makes no reference to the size of the granules other than, in describing the prior art, it is stated that the "surfacing material" consists of "comminuted slate, slag or the like." However, in the drawings of the patent the granular material is depicted as being of a size apparently larger than would pass through a "thirty-five (35) mesh screen."

The patents to Miller disclose a saturated felt base provided with bituminous undercoating and overcoating. A layer of non-mineral granules, which may be ground coke or cork, or sawdust, is provided on an adhesive, and over such layer there is provided a second bituminous waterproof coating in which is embedded crushed mineral grit. In Patent No. 2,047,471, it is stated that—

> * * * The use of non-mineral surfacing material between the first and second layers of waterproofing material, such as asphalt, results in a stronger and more durable bond between these layers, particularly as compared with sidings having a mineral grit layer between the coating layers. I have found that a firm bond results between the asphalt and intermediate coke layers. This may be attributed to a large extent to the fact that the coating material penetrates and becomes firmly anchored and embedded in the numerous pores and crevices in the coke particles.
>
> * * * * * * *
>
> In some cases it may be desirable to surface the first coating on the top side of the sheet entirely with non-mineral solid material such as ground coke, sawdust, wood flour, ground cork, ground hard rubber, bone, charcoal, vegetable carbon, etc. The tab portions are then given a second coating of waterproofing composition and a surfacing of mineral granules.

The patent to Harris discloses a saturated felt base to which is applied an asphalt layer. A layer of granular or flaky material, such as natural slate granules, or granulated cork, is applied to the exposed surface of the asphalt coating. The coating thus surfaced is then furrowed, and a second coating of asphalt and a second coating of granular material is applied. The material thus formed is passed over cooling drums where sufficient pressure is applied to the sheet to effect a bonding or keying together of the two asphalt coatings.

The patent to Harshberger discloses a roofing material comprising a bituminous saturated felt provided with an asphalt coating to which has been applied, by pressing or otherwise, material, such as metal flakes; over this granular layer there is a further asphalt layer to which is applied a granular coating.

As stated in appellants' brief, the sole issue before us is whether the difference in size between the cork particles disclosed by appellants and those disclosed in the references involves invention. In other words, does the description of the particles as being of substantial size, as stated in some of the claims, and as of a size which will not pass through a "thirty-five (35) mesh screen," as set forth in other claims, sufficiently distinguish the claims from the disclosures of the cited prior art to render them allowable?

The Examiner, in his statement to the Board, said:

> Applicants stress in particular the limitation that the particles are of "substantial size". In the references these particles are shown as being of substantial size. This term in itself is not definite since fine particles are of substantial size relative to the size of particles found in a powdered mass. Furthermore, particles 78 of Miller 2,047,741, 68 of Miller 2,047,742, 12 of Harris and the granular particles of Harshberger applied to the first asphalt coating are definitely of substantial size. These particles must inherently form a thermal insulating layer.
>
> * * * * * * *
>
> Claims 11, 12, and 13 differ over claims 4, 8, and 1, respectively, by defining the size of the cork granules as not passing through a thirty-five mesh screen. No particular size cork particles are defined in the references although Harris distinctly calls for "granular cork" and shows it as such. Since the properties of cork as an insulator are old and well known, and since ground or granular cork in roofing material is fully disclosed by Harris and Miller, it is obvious that it is simply a matter of degree whether large or small cork particles are employed. The advantages of large particles over small are predictable and it involves nothing more than an unpatentable variation to substitute large particles for smaller ones. Nothing critical is seen in employing cork particles which will not pass a thirty-five mesh screen.

The Board of Appeals in its decision stated:

> It appears clear upon consideration of the citations that the employment of cork granules is well known in preparing roofing shingles. Applicants' claims are, however, limited to the particles being of substantial size or specifically as in claims 11, 12 and 13, a size which will not pass through a thirty-five mesh screen.
>
> After careful consideration, we are in agreement with the Examiner's holding that the term "substantial size" is not definite. It is merely a general comparative expression in indicating absolute size and hence variable depending upon its particular association. However, in the present situation the particles of each of the citations are considered to be within such broad descriptive term. It appears that the particle size in the citations may even be the same as those named by applicants, namely, a 35 mesh since 1/35 of an inch would be quite a small particle of cork. We must accordingly agree with the Examiner's conclusions that no invention applies to the matter of size of the cork granules over the state of the art. Further, if not considered directly anticipated in respect to claims 11, 12 and 13, the difference in size is believed only a matter of obvious choice and degree. We regard the matter of being a good heat insulator to be inherent of cork particles regardless of size and hence satisfied by the citations.

We are in agreement with the conclusion reached by the Patent Office tribunals and the reasons given therefor.

[1] Although appellants' application states that the minimum size of particles of cork, viz., those which will not pass through a "thirty-five (35) mesh screen," is critical, no reason is given in their application for such statement, and there is nothing in the record to substantiate their claim that the size of the cork particles is critical; that is, that particles which will not pass through a "thirty-five (35) mesh screen," such as used by appellants, will produce a result different in kind from particles that will pass through a "thirty-five (35) mesh screen."

As observed by the Solicitor for the Patent Office in his brief—

> * * * A 35-mesh screen contains 35 openings to the linear inch and, since the wires of the screen occupy a considerable portion of the space, it is evident that the actual openings must be materially less than 0.03 inch on each side. Accordingly, the statement that a particle will not pass a 35-mesh screen merely means that it has at least one dimension which is approximately 0.03 inch or larger. Such particles could be quite small and might properly be referred to as grains or granules.

Although it may be true that granular particles much smaller than those which will not pass through a "thirty-five (35) mesh screen" will be filled with the coating material, thus materially lessening the thermal insulating properties of the shingle, we find nothing in the record to indicate

that granules or particles which, let us say, will not pass through a 36- or 37-mesh screen but which will pass through a "thirty-five (35) mesh screen" will not possess the same properties, though perhaps in a less degree than those which will not pass through a "thirty-five (35) mesh screen."

Appellants have cited several cases in which it was held that the expression "grains" or "granules of substantial size" in a claim sufficiently distinguished the composition claimed from the disclosures of the prior art.

[2] Of course, the term "of substantial size" may be sufficiently definite where the use of granules or particles of a substantial size produces a result different in kind from that which results from the use of finely divided or powdered material, but, as hereinbefore noted, some of the references refer to the material as being merely ground, which grinding may or may not reduce the material to a powdered form. It is a matter of common knowledge that coffee is often coarsely ground, leaving granules of substantial size, and that sawdust, referred to in some of the references as a granular material which may be employed, varies from a fine powdery material to particles of substantial size.

Appellants also cite the decision of the Board of Appeals in the case of *Ex parte Lee*, 33 U. S. P. Q. 395, where it was held that a claim embracing particles of substantial size was held allowable over the disclosure of the prior art where the material was "ground substantially to a powder."

In the case at bar, the Miller Patent No. 2,047,741 says nothing about the material being ground "substantially to a powder," but only that the material is ground. Furthermore, it is elementary that the allowance of claims by the Patent Office in one case has no relevancy in the consideration of the question of the patentability of claims in another case.

[3] For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

HAINSWORTH *v.* PHILIPP

No. 4,570. Decided June 1, 1942

[129 F.(2d) 350]

1. INTERFERENCE—REDUCTION TO PRACTICE—TESTS—EVIDENCE.
   Corroborating testimony as to tests of a refrigerator having a primary and a secondary refrigerating system *Held* sufficient, despite certain confusion as to which of two primary evaporators was used in the tests, where the primary evaporators both were flat rectangular elements of the same size, and both functioned in the same intended fashion, in the same place, in the same cooperation with the secondary system.
2. SAME—ABANDONED EXPERIMENT.
   Where P tested a refrigerator responding to the appealed counts during a period continuing into June, 1931, but did not file his application in interference until July 30, 1934; and between August, 1931, and July, 1934, P filed a large number of other applications said to be in the refrigeration art *Held* that the filing of said other applications was not of itself sufficient to warrant a conclusion that the work P did into June, 1931, was an abandoned experiment.
3. SAME—CONCEALMENT.
   In the absence of proof of abandonment, suppression or concealment of the invention in issue *Held* that the delay of P in filing his application in interference, after his actual reduction to practice, was immaterial.
4. SAME—PRIORITY.
   Evidence reviewed and *Held* that P, the junior party, conceived and reduced to practice the refrigerator defined in appealed counts 3 and 4 prior to the filing date of H, the senior party, who took no testimony, and that, as to these counts, priority properly was awarded to P.

APPEAL from the Patent Office. Affirmed.

Mr. Wm. T. Hedlund (*Mr. Edmund A. Fenander* of counsel) for Hainsworth.

Mr. Watts T. Estabrook (*Mr. Donald B. Waite* of counsel) for Philipp.

JACKSON, *J.*:

The senior party Hainsworth appeals from a decision of the Board of Appeals of the United States Patent Office in so far as it affirmed a decision of the Examiner of Interferences awarding priority of invention of the subject matter defined in counts 3 and 4 to the junior party Philipp.

The interference involves the application for a patent for a mechanical refrigerator of appellant, filed April 17, 1935, as a renewal of application Serial No. 623,323, filed July 19, 1932, and an application of appellee for a patent for refrigeration apparatus, Serial No. 737,539, filed July 30, 1934.

The counts are as follows:

3. Refrigerating apparatus comprising in combination a cabinet having a shell enclosing a compartment for the storage of food to be refrigerated, a chamber for holding a secondary refrigerant in good thermal contact with the shell enclosing the food storage compartment, means providing a condensing chamber for said secondary refrigerant, and a readily removable primary cooling element associated with said condensing chamber for condensing said secondary refrigerant.

4. A refrigerator comprising a cabinet having a compartment, a lining of heat conducting material forming the inner wall surface of said compartment, a sealed system for heat transfer fluid having a heat absorbing portion and a heat rejecting portion, said heat absorbing portion being in thermal contact with said lining so that heat from air in said compartment flows through said lining to said heat absorbing portion, and a removable cooling element in heat exchange relation with said heat rejecting portion.

The preliminary statement of appellee alleges that he conceived the invention, made a written description thereof, disclosed it to others August 11, 1930, and that he reduced the invention to practice on or about that date.

Appellee took testimony. Appellant having taken no testimony is confined to his filing date of July 19, 1932, for conception of the invention and constructive reduction to practice.

The subject matter in issue relates to mechanical refrigerators having a primary and a secondary refrigerating system. The secondary system is in good thermal contact with the walls of the food chamber and comprises a condensing chamber located higher than a communicating evaporating chamber. As the heat from the food chamber passes through the walls thereof the low boiling point liquid refrigerant contained in the evaporating chamber rises in the form of gas into the condensing chamber where it is liquefied by means of the primary system and flows back into the evaporating chamber by gravity. The primary system is supplied with circulating liquid refrigerant by conventional means. Both of the counts require that the primary cooling element be removable and so positioned as to absorb heat from the condensing chamber.

The Examiner of Interferences did not award a date of conception to appellee but held that he had reduced the invention to practice at least as early as the last of April, 1931. The Board of Appeals, in affirming the decision of the Examiner of Interferences awarding priority of invention to appellee as to the counts here involved, held that appellee "established conception of the principle involved" in August, 1930.

It appears that on August 11, 1930, appellee, who was during the times mentioned herein director of research of the Kelvinator Division of the Nash-Kelvinator Corporation of Detroit, Michigan, made two sketches clearly setting out the principle of refrigeration by means of primary and secondary systems as defined in the counts. On those sketches the principle is clearly explained in writing by appellee. The sketches were shown to have been explained to the subscribing witnesses thereof. The sketches disclose a cabinet lining, a sealed system comprising an evaporating chamber and a communicating condensing chamber, secondary refrigerant in thermal contact with the back of the cabinet lining and a primary cooling element resting on the condensing chamber "which can be removed with unit from top, side or front of the cabinet". In our opinion the said sketches considered together with the testimonial record establishes that appellee conceived the invention on August 11, 1930.

Under direction of appellee several refrigerator cabinets with secondary liners and removable primary evaporators were built, among which was one received in evidence, Exhibit 5. That was a standard cabinet then being made by the Kelvinator Corporation, assignee of appellee, and converted into a secondary liner. In that exhibit the secondary evaporator part is attached to and covers over the side and back wall liners of the food storage chamber and the secondary condenser part is attached to and covers the top liner of the storage chamber. A movable element described as the primary evaporator or cooler rests on the top of the condenser portion of the secondary system. That exhibit clearly meets all of the structural limitations of the counts.

The controversy here is, as is set out in the brief of appellant,

"whether the evidence on behalf of Philipp is sufficient in law to prove a reduction to practice of the invention in issue prior to Hainsworth's filing date".

It appears that Exhibit 5 was completed in the fall of 1930. It was assembled by two employees of the Kelvinator Company under the direction of appellee. All of the tests that were made on that exhibit and other cabinets not in evidence, were under the close supervision of appellee.

Extensive tests on Exhibit 5 were subsequently made and continued during the spring of 1931 by operating the refrigerator in a room with temperatures of 80° and 100° F. Circular charts operated by Bristol's Recording Thermometers were placed in the food or storage compartment, near the top and the bottom thereof. Those charts indicated the storage chamber temperatures at the top and bottom thereof. Several charts are in evidence and it appears that the first formal test was on March 30, 1931 and that the tests continued into June of the same year.

The record shows by the testimony of appellee that temperatures of 35° to 50° F. in the storage chamber of a refrigerator are considered satisfactory for food storage purposes. The tests herein conducted over a long period of time show temperatures within that range, except in scattered instances, when the temperature rose above 50° caused apparently by opening of the doors for inspection, changing charts or doing work on the box.

[1] It appears that some confusion arose over the identity of the primary evaporator element used in Exhibit 5 during the tests. Appellee in effect stated that the primary element in that exhibit at the time he testified was the one used in the tests of that exhibit and his corroborating witness to the tests, a refrigeration engineer, also stated in his direct examination that he remembered the same primary element and that "We did quite a lot of work on these primaries". Under cross examination the corroborating witness testified that the tests were not all run with the same primary evaporator, that there were several of those evaporators made and that he could not state the structure of Exhibit 5 as it was present during the taking of testimony was the exact structure including all parts represented by any of the test data in evidence. On redirect examination the witness identified another primary element which was received in evidence as Exhibit 8. It was shown by that witness that Exhibit 8 was also used in the tests on the cabinet of Exhibit 5. It may be that doubt is engendered as to which of the two primary evaporator elements was used in the tests relied upon. However an examination of the two evaporators discloses that they are of substantially identical construction in all material respects, so that in view of the close similarity between them and because of the long lapse of time between the testing and giving of testimony, the confusion, if any, is understandable. In any event, it is our opinion that it is immaterial as to which of the two primary evaporators was used in the said tests. They are both flat rectangular elements of the same size, both function in the same intended fashion, in the same place, in the same cooperation with the secondary system. We therefore cannot agree with the contention of appellant that corroborating evidence as to the tests was insufficient.

We are of opinion that the tests made upon the device of appellee fully demonstrated its practical utility and that appellee has been properly awarded priority of invention of the subject matter of counts 3 and 4.

[2] [3] The mere fact that appellee filed applications and was granted a large number of patents,

said to be in the refrigeration art, between August, 1931, and July, 1934, is not of itself sufficient to warrant us in concluding that his work was an abandoned experiment. In view of our conclusion that appellee actually reduced to practice the invention defined in the counts herein, his later inactivity and delay in filing his present application is not material. There is no proof of actual abandonment, suppression or concealment of the invention. *Rhinevault* v. *Pfiester*, 20 C. C. P. A. (Patents) 1112, 65 F.(2d) 161, 435 O. G. 777; *Brogden et al.* v. *Henry*, 21 C. C. P. A. (Patents) 1043, 69 F.(2d), 978, 447 O. G. 8; *Altorfer et al.* v. *Haag*, 22 C. C. P. A. (Patents) 806, 74 F.(2d) 129, 454 O. G. 285.

[4] The decision of the Board of Appeals is affirmed

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MALCOM

No. 4,582. Decided June 15, 1942

[129 F.(2d) 529]

1. RULES 66 AND 76.

"Appellant alleges error in the refusal of the Board 'to cite a reference or give an affidavit of fact in proof of a statement of alleged common knowledge'. We do not think that rules 66 and 76 of the Rules of Practice in the Patent Office embrace within their scope matters of common knowledge. Those rules apply to rejection of claims on facts within the personal knowledge of an employee of the Patent Office. There is a wide difference between facts which are commonly known and those which are personally known possibly to many but not so generally known as to come within the meaning of common knowledge. One may have personal knowledge of matter which can also be commonly known. In such a situation however, in patent law, it could not be held that the matter is a personal knowledge requiring on the part of the tribunals of the Patent Office proof in accordance with said rules."

2. EVIDENCE—JUDICIAL NOTICE.

"That matters of common knowledge may be judicially noticed is a doctrine long and well established. *Brown et al.* v. *Piper*, 91 U. S. 37, 10 O. G. 417. This doctrine does not require actual present knowledge on the part of the judicial authority."

3. RULES 66 AND 76.

"The members of the Board of Appeals may have had personal knowledge of what they held to be common knowledge, but that in our opinion does not create a situation where an affidavit could be required of them, because in that event they would divest themselves of their proper power to take judicial notice of facts of common knowledge."

4. PATENTABILITY—PAVING JOINT CONSTRUCTION.

Claims for a paving joint construction *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. George W. Mills, Jr. (*Mr. Albert F. Robinson* of counsel) for Malcom.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.:*

This is an appeal from a decision of the Board of Appeals affirming that of the Primary Examiner denying patentability, in view of the prior art, of all of the claims, 2 to 13 inclusive and 21, in an application for a patent alleging new and useful improvements in "Paving Joint Construction".

Claims 10 and 13 are illustrative of the appealed claims, and read as follows:

10. A load transmitting unit comprising an elongated base member having a socket and oppositely disposed flanges to provide a back support for expansion joint material and a spacing for concrete slabs, an elongated plate having one longitudinal edge seated within the socket and the opposite longitudinal edge projecting beyond the socket, shearable means in the socket for fixedly holding the base and plate assembled as a unit, and a stake means non-fixedly associated with the unit for holding same supported upon the edge of one of the flanges.

13. In a paving structure comprising paving sections, a load transmitting device between the sections comprising an elongated base member provided with a socket and a flange vertically disposed from the socket to the surface to be paved for seating the base member and separating the sections on a vertical line, an elongated plate extending widthwise of the paving between adjacent sections having one edge fitted within the socket of the base member and the opposite edge secured to the end of an adjacent section, shearable means projecting through the base member and the plate for locking said plate and base member together, and means readily attachable to and detachable from the device for securing same in position.

The references relied upon are: Proceedings of American Concrete Institute, Vol. XX, 1924, pages 624 and 625; Concrete, January 1935, page 8; Hall, 2,016,858, October 8, 1935; McCrady, 2,096,254, October 19, 1937.

The alleged invention as described in the specification is as follows:

This invention relates to a paving or flooring construction having a joint unit provided between spaced apart sections or slabs, and particularly pertains to a joint unit which provides for transmitting load from one paving section to another over the joint space by means of a member or members associated with the adjacent ends of the paving or flooring sections. A filling means may also be inserted in the space between the sections to provide for contraction and expansion.

Generally described the invention comprises a load transmission device adapted to be made up, shipped and installed in the flooring or paving with part or all the elements assembled as a unit except perhaps the joint filler and the staking means. The stake device may be conveniently employed for securing the load transmitting unit in position on the foundation to be paved and held in place until the concrete material is poured into place between the joint separating means provided longitudially or transversely at spaced intervals along the distance to be paved. The joint filling means may be in the form of preformed strips or poured in place after the paving is laid, temporary molding means being employed as a support for the end of the concrete section adjacent to that end of the section in which the holding device for the load transmitting means is associated with.

As appearing in the record the Proceedings of the American Concrete Institute reference consists only of drawings, without detailed written explanation, of a joint structure between slabs of pavement, comprising a sheet metal member extending across the width of the pavement from almost the top to not quite the bottom thereof. In the middle of said member, and at right angles thereto, the said member is of such form that a socket or sheath is provided in one of the slabs into which passes a flat metal plate, which extends into the adjoining slab. The sheath in one of the drawings projects into a cylindrical tube, through the periphery thereof. The tube is packed with filler. The sheath between the socket and the joint appears to show a rivet passing through both the socket and plate. The space in the joint above and below the plate contains conventional filler.

The Concrete reference discloses a metal air cushion expansion joint between slabs of concrete pavement. In one of the figures there is shown between the ends of the slabs a cross-like structure comprising metal walls. The longitudinal portion appears

to extend down to the surface to be paved and horizontal members penetrating the adjacent slabs form a sheath or socket into which passes a steel dowel plate shorter than said sheath.

The patent to Hall relates primarily to joints in concrete road construction in which there is a joint plate extending down to the bed of the pavement and providing for stakes to hold the structure in place.

The patent to McCrady relates particularly to structure for installing joints which divide a pavement into slabs. A joint plate structure is shown in the drawings extending down to the surface to be paved and there is provided a stake to hold the device in place.

The basic reference relied upon below is the Proceedings of the American Concrete Institute, the other references being relied upon to show that the differences between the structure of the application and those appearing in the basic reference were old in the art and not of such a character as to involve invention.

The principal issue here, as it was below, is whether or not the claims on appeal are patentable over the references.

The limitations contended by appellant to render the claims on appeal patentable over the prior art appear to be the "shearable means in the socket for fixedly holding the base and plate assembled as a unit", "the stake means non-fixedly associated with the unit" and "the elongated base member * * * vertically disposed from the socket to the surface to be paved".

The "shearable means" mentioned in several of the claims refers to a rivet of soft metal, extending through cooperating holes in the socket or sheath portion of the base structure, and the dowel plate extending therein which are of harder metal. When due to movements of contraction or expansion in the pavement joint the dowel plate would slide forwardly or backwardly in the sheath, the said holes would be moved out of cooperating relationship and thus shear the softer metal of the rivet.

No rivet or shearing means of any kind is designated by name or written description in any of the references. In the basic reference however, in all of the figures, there appears to be a rivet as hereinbefore noted in the description of that reference. That the paving joint illustrated there provides for contraction and expansion is not here questioned.

Therefore we are of opinion, as were the tribunals below, that the drawings disclose a rivet. Otherwise there could be no contraction or expansion in the joint. Whether or not the rivet is shearable does not appear to be of consequence to us, with respect to contraction or expansion, for the reason that it might be fixed rigidly to the sheath of the member and cooperate with a slot in the closely fitted dowel plate.

Appellant does not contend that the basic reference does not disclose a rivet. He states in his brief that the drawings are not clear in that respect and that what has been held to be a depiction of a rivet might be a beading strip, a weld spot, a clamp or a rivet. If it were any of the alternatives to a rivet as suggested by appellant the joint could not be subject to contraction or expansion.

It is of interest to note that prior to the prosecution of this case, the present application was in an interference in which certain claims of the application not here involved were counts. The interference seems to have been on the broad concept of invention involving the dowel plate, socket member and rivet means for holding the plate and socket together. Some of those counts expressly showed a rivet. The interference was dissolved upon motion of appellant alleging the counts to be unpatentable over the basic reference here. With respect to the attitude of appellant in his motion to dissolve the Board in this appeal stated as follows:

Appellant notes that there is some doubt that what appears in the Proceedings of the Institute (Fig. 1) is a rivet. There can be no doubt as to appellant's position on the motion to dissolve since claims 14 [15] and 18 of the issue of the interference refer to a rivet.

In holding the rivet of the basic reference here to be shearable the Examiner stated as follows:

Applicant has amended claims 5, 6, 7, 8, 9 and 10 by indicating that the rivets 13 are shearable. It is contended that the rivets in Fig. 2 of the Concrete Institute citation must necessarily also be shearable otherwise the device would not be operative because movement of the slabs would be impeded or prevented. It is reasonable to assume that the rivet in the reference is shearable because otherwise the arrangement would be inoperative and in view of conclusive evidence to the contrary it should be presumed that it is operative.

The Board of Appeals pointed out in its decision that it could not tell from the record "whether the rivets of the Proceedings article (Fig.) are shearable or not." Continuing, the Board said:

However, it is only an expedient to make a connection shearable and we see no invention in this feature. Furthermore, we believe that the rivets of the Proceedings article are adapted to be sheared * * *.

Claims 10 and 11 state that the shearable means holds the parts fixedly assembled. There would be an advantage in handling the device if the rivet held the parts fixed but we do not regard this feature as anything but a mechanical expedient. It is a matter of common knowledge to fix parts together by shearable pins, screws and the like.

Appellant petitioned the Board for reconsideration of its decision and also requested "proof of fact under rules 66 and/or 76 as to what is stated in said decision to be common knowledge". Ruling on the request the Board stated:

We do not believe it is necessary for us to cite references showing a shearable connecting pin since the result of such a connection is obvious, that is, the connection will break. The use of such a connection is, in our opinion, no more than a workshop expedient which produces only what would be expected, i. e. a broken connection affording relative movement.

[1] In his reasons for appeal appellant alleges error in the refusal of the Board "to cite a reference or give an affidavit of fact in proof of a statement of alleged common knowledge". We do not think that rules 66 and 76 of the Rules of Practice in the Patent Office embrace within their scope matters of common knowledge. Those rules apply to rejection of claims on facts within the personal knowledge of an employee of the Patent Office. There is a wide difference between facts which are

commonly known and those which are personally known possibly to many but not so generally known as to come within the meaning of common knowledge. One may have personal knowledge of matter which can also be commonly known. In such a situation however, in patent law, it could not be held that the matter is a personal knowledge requiring on the part of the tribunals of the Patent Office proof in accordance with said rules.

[2] That matters of common knowledge may be judicially noticed is a doctrine long and well established. *Brown et al.* v. *Piper*, 91 U. S. 37, 10 O. G. 417. This doctrine does not require actual present knowledge on the part of the judicial authority. As was well stated in the case of *Ball* v. *Flora*, 26 App. D. C. 394, 121 O. G. 2668, cited in the Solicitor's brief:

> The process of taking judicial notice does not necessarily imply that the judge at the moment actually knows and feels sure of the truth of the matter submitted; it merely relieves the party from offering evidence because the matter is one which the judge either knows or can easily discover.

[3] In the instant case the members of the Board of Appeals may have had personal knowledge of what they held to be common knowledge, but that in our opinion does not create a situation where an affidavit could be required of them, because in that event they would divest themselves of their proper power to take judicial notice of facts of common knowledge.

While the mere statement that certain facts are of common knowledge does not put them in that category, it is plain to us that the holding of the Board that "It is a matter of common knowledge to fix parts together by shearable pins, screws and the like" is correct. It is common knowledge, for instance, that a chain is no stronger than its weakest link; that fuses are placed in electrical current systems to "blow" when too heavy an electric load is imposed, and that generally in the field of mechanics weaker elements are placed in mechanisms to save damage to more important and costly parts if there should be strains or loads more than can be safely borne. Therefore we are of opinion that the Board did not err in declining to present proof on what is common knowledge, even though such knowledge was also personal to its members.

While the basic reference does not disclose a stake, it is old in the art to use a stake as is shown by either the Hall or McCrady references and in our opinion it would not require invention to use a stake as shown by those references in the structure of the basic reference.

The use of shearable rivets, as shown by the claims on appeal, is of common knowledge. The base flange extending to the top of the surface to be paved we do not think lends patentability to said claims, as such construction is clearly shown by the patent to Hall and the Concrete reference. The use of both elements would be obvious to one skilled in the art.

[4] The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,672,262, L. Kirschbraun, Felted fibrous waterproof sheet; 1,722,434, same, Process of making felted fibrous compositions, D. C., E. D. Mich., S. Div., Doc. 2930, *The Patent & Licensing Corp.* v. *Monroe Paper Products Co.* Consent decree dismissing complaint without prejudice (notice Aug. 4, 1942).

1,722,434. (See 1,672,262.)

1,724,542, J. Zabel, Fur brushing and ironing machine; 1,776,114, S. Friedman, Fur treating method and apparatus, filed Aug. 13, 1942, D. C., N. D. Ill., E. Div., Doc. 4584, *Reliable Machine Works, Inc.*, v. *Weil & Eisendrath Co.*

1,744,016, A. P. Steckel, Metal rolling; 1,779,195, same, Method and apparatus for rolling thin sheet like material, filed Aug. 14, 1942, D. C., N. D. Ohio, E. Div., Doc. 21390, *The Cold Metal Process Co.* v. *Republic Steel Corp.*

1,776,114. (See 1,724,542.) 1,779,195. (See 1,744,016.)

1,897,135. (See Re. 20,092.)

1,905,091, P. J. Hanson, Combined harvester, thresher and separator; 1,972,031, T. N. Pierson, Straw retarder, appeal filed Aug. 15, 1942, C. C. A., 8th Cir., Doc. 12404, *J. I. Case Co.* v. *Gleaner Harvester Corp.*

1,917,092. (See Re. 20,092.)

1,928,748, H. F. Young, Concrete floor construction; 1,938,887, same, Concrete floor structure, C. C. A., 4th Cir., Doc. 4843, *L. S. Young et al.* v. *John McShain, Inc., et al.* Decree of lower court affirmed (notice Aug. 18, 1942).

1,938,887. (See 1,928,748.) 1,972,031. (See 1,905,091.)

2,111,958, 2,135,847, D. M. Bardon, Fish line sinker, D. C., W. D. Wash., N. Div., Doc. 433, *D. M. Bardon* v. *H. J. Lesser.* Defendant enjoined from infringing patents Aug. 24, 1942.

2,135,847. (See 2,111,958.)

2,200,443, E. C. Dench, Discharge lamp circuit; 2,228,210, R. F. Hays, Jr., Gaseous relay device, D. C., S. D. N. Y., Doc. 15/144, *Westinghouse Electric & Mfg. Co.* v. *Acorn Fluorescent Corp.* Consent judgment Aug. 14, 1942.

2,203,311, M. Sinclair, Register shield and filter; Des. 118,420, Des. 122,931, same, Air filter, D. C., S. D. N. Y., Doc. 11/245, *Steel Products Mfg. Co.* v. *Bch & Co., Inc.* Judgment dismissing complaint (notice Aug. 10, 1942).

2,207,656. (See Re. 22,076.)

2 228,210. (See 2,200,443.)

2,254,392, J. L. Petrie, Diamond dressing tool and method of dressing grinding wheels, filed Aug. 10, 1942, D. C. Del., Doc. 262, *Koebel Diamond Tool Co.* v. *Wheel Trueing Tool Co. of Delaware.*

2,269,503, 2,283,888, H. W. Zimmerman, Torque measuring wrench; 2,279,792, K. R. Larson, Torque wrench (declaratory judgment), amended petition filed July 31, 1942, D. C., N. D. Ill., E. Div., Doc. 4451, *Snap-On Tools Corp.* v. *Automotive Maintenance Machinery Co.*

2,278,433, A. O. Elting, Lamp fixture; Des. 118,303, Des. 123,876, same, Arm for lamp fixtures; Des. 128,013, same, Lamp head, suit for declaratory judgment filed July 29, 1942, D. C., N. D. Ill., E. Div., Doc. 4529, *Allegheny Steel & Brass Corp. et al.* v. *A. O. Elting et al.*

2,279,792. (See 2,269,503.)

2,281,474. (See Re. 22,076.)

2,281,475. (See Re. 22,076.)

2,283,888. (See 2,269,503.)

Re. 19,944. (See Re. 20,092.)

Re. 20,092 (of 1,897,135), C. E. Mason, Control mechanism; Re. 19,944 (of 1,917,092), E. H. Bristol, Control system, filed Apr. 11, 1942, D. C., W. D. N. Y., Doc. 1034, *The Foxboro Co.* v. *Taylor Instrument Companies.*

Re. 22,076, (of 2,207,656), Cartwright & Turner, Process for decreasing reflections of light from surfaces and articles so produced; 2,281,474, same, Treating surfaces of light-transmitting articles and the treated products; 2,281,475, same, Reducing reflection of light from surfaces, and articles so produced, filed Aug. 17, 1942, D. C., W. D. N. Y., Doc. 1115, *Research Corp.* v. *Eastman Kodak Co.*

Des. 118,303. (See 2,278,433.)

Des. 118,420. (See 2,203,311.)

Des. 122,931. (See 2,203,311.)

Des. 123,876. (See 2,278,433.)

Des. 128,013. (See 2,278,433.)

T. M. 165,182, Siemers-Marshall Electric Co., Electric lighting fixtures; T. M. 219,550, Day-Brite Reflector Co., Electric lighting fixture; T. M. 378,033, Day-Brite Lighting, Inc., Electric lighting fixtures, particularly fluorescent industrial fixtures, filed Aug. 8, 1942, D. C., N. D. Ill., E. Div., Doc. 4567, *Day Brite Lighting, Inc.*, v. *Daylike Lighting Co.*

T. M. 219,550. (See T. M. 165,182.)

T. M. 378,033. (See T. M. 165,182.)

Trade-Mark Registrations Canceled

152,623. Canned vegetables. W. R. Roach & Co., Hart, Mich. Registered February 28, 1922. Canceled September 17, 1942.

164,548. Cane and corn sirup. Alabama-Georgia Syrup Company, Montgomery, Ala. Registered February 20, 1923. Canceled September 30, 1942.

215,336. Electrical apparatus. General Electric Company, Schenectady, N. Y. Registered July 13, 1926. Canceled September 17, 1942.

257,775. Filtering tops. Crest Corporation, Los Angeles, Calif. Registered June 18, 1929. Canceled September 17, 1942.

396,425. Coal. Consolidation Coal Company, New York, N. Y. Registered July 14, 1942. Canceled September 17, 1942.

396,426. Coal. Consolidation Coal Company, New York, N. Y. Registered July 14, 1942. Canceled September 17, 1942.

Disclaimers

1,928,748.—*Howard F. Young*, Kalamazoo, Mich. CONCRETE FLOOR CONSTRUCTION. Patent dated October 3, 1933. Disclaimer filed September 25, 1942, by *Leonie S. Young*, as assignee of one-half interest and as Administratrix of the Estate of said Howard F. Young, Deceased (one-half interest); and the licensee, *Lith-I-Bar Company.*

Hereby disclaim claims 2, 4, 6, and 7 of said Letters Patent.

1,938,887.—*Howard F. Young*, Kalamazoo, Mich. CONCRETE FLOOR STRUCTURE. Patent dated December 12, 1933. Disclaimer filed September 25, 1942, by *Leonie S. Young*, as assignee of one-half interest and as Administratrix of the Estate of said *Howard F. Young*, Deceased (one-half interest); and the licensee, *Lith-I-Bar Company.*

Hereby disclaim claims 4, 5, and 8 of said Letters Patent.

2,028,220.—*Timothy J. Kelly*, Shannon, Ga. SEED BED COVER. Patent dated January 21, 1936. Disclaimer filed July 28, 1942, by the assignee, *Brighton Mills, Inc.*

Hereby enters this disclaimer to claims 4, 5, 6, 7, and 8.

2,072,273.—*Casin W. Obert*, Mount Vernon, N. Y. PRESSURE VESSEL SHELL AND METHOD OF FORMING THE SAME. Patent dated March 2, 1937. Disclaimer filed September 19, 1942, by the assignee, *The Linde Air Products Company.*

Hereby disclaims claims 14, 16, 17, 18, and 19 of said patent.

2,144,033.—*John J. Root*, South Bend, Ind. ELECTRICAL TIMING CONTROL. Patent dated January 17, 1939. Disclaimer filed September 24, 1942, by the assignee, *Bendix Products Corporation.*

Hereby enters this disclaimer to claims 10 and 23 of said patent.

Changes in Classification

Order No. 3,655–A, September 15, 1942, directs:

In *class 16, Miscellaneous Hardware* (Division 20), change the titles and definitions of subclasses 87 and 95 to read:

87 Panel hangers, travelers and/or tracks
95 Covered, hollow or slotted track.

87. Movable supporting devices and/or tracks for sliding panels of either rigid or flexible nature, not otherwise classified. The combination of the device or track with its support and/or with the article supported will also be found here, where the characteristics of the supported article (other than those which directly cooperate with the supporting device or track) are not claimed.

(1) Note.—See classes 104, RAILWAYS, subclass 93; 105, RAILWAY ROLLING STOCK, subclass 150 and indented subclasses; and 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 19 and indented subclasses, subclass 123 and indented subclasses and subclass 330 and indented subclasses, for various other hangers, travelers and track devices.

(2) Note.—Gate hangers are in this class, subclass 86.1 and indented subclass.

95. Devices under subclass 87 wherein the track as defined in subclass 96 below (1) has a shield or protecting hood covering the same, (2) is an elongated element longitudinally slotted or hollow in which the traveler portion moves and from which the panel or panel carrying portion of the traveler extends to the exterior of the hollow or slotted elongated element.

(1) Note.—Complete this search in this class, subclasses 87.4 and 87.6 and in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclasses 345 and 346.

(2) Note.—For tracks of this type combined with supporting brackets, see this class, subclass 94.

(3) Note.—For suspended railway structures, see class 104, RAILWAYS, subclasses 89–111 and for the suspended rail structures with or without their supports, see particularly subclass 106 and indented subclasses.

In *class 16, Miscellaneous Hardware* (Division 20), establish the following subclasses and definitions:

Panel hangers, travelers and/or tracks
87.2 With flexible panel attaching means
87.4 Covered, hollow or slotted track
87.6 With anti-friction means,
87.8 With anti-friction means.

87.2 Devices under subclass 87 wherein some means for attaching a flexible fabric panel to the device and capable of travel along the track or hanger is claimed.

(1) Note.—Where the fastening means is for a rigid panel (usually in the form of bolts, screws or their equivalents), see this class, subclass 87 or other appropriate subclasses indented thereunder.

(2) Note.—For the traveler element per se, without any anti-friction means, see this class, subclass 93 and subclass 97 and indented subclasses.

(3) Note.—For the track element with or without its mounting means, see this class, subclasses 94–96.

(4) Note.—Where the hanger or traveler, with or without its flexible fabric attaching means, is claimed per se, and where the traveler portion is in the form of a hook or an open loop, the device has been classified in class 24, BUCKLES, BUTTONS, CLASPS, ETC., subclass 73 and indented subclasses especially subclasses 73, 84 and 86), subclass 230.5 and subclass 231 and indented subclasses.

(5) Note.—Methods of making rings will be found in class 29, METAL WORKING, subclass 156.

(6) Note.—This same combination including in addition means for operating the panel structure will be found in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 19 and subclass 340 and indented subclasses.

87.4. Devices under subclass 87.2 wherein the track (1) has a shield or protecting hood covering the same, or (2) is an elongated element, longitudinally slotted or hollow, in which the traveler portion moves, and from which the panel or panel carrying portion extends to the exterior of the hollow or slotted elongated element.

(1) Note.—Complete this search in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclasses 19 and 345.

(2) Note.—For track elements with their supporting brackets, see this class, subclass 94.
(3) Note.—For the track element per se, see this class, subclass 95.

87.6. Devices under subclass 87.4 in which anti-friction means is used between the traveler and the track.
(1) Note.—**Complete this search** in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclasses 19 and 346.
(2) Note.—For traveler elements per se equipped with either balls, rollers or wheels, see this class, subclass 88, subclass 89 or subclass 97 and indented subclasses, respectively.
(3) Note.—See class 105, RAILWAY ROLLING STOCK, subclass 150 and class 104, RAILWAYS, subclass 93, for similar single rail constructions.

87.8. Devices under subclass 87.2 in which anti-friction means is used between the traveler and the track.
(1) Note.—**Complete this search** in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclasses 19 and 347.
(2) Note.—For anti-friction means with hollow, slotted or covered tracks, see this class, subclass 87.6 and the notes thereto.
(3) Note.—For traveler elements per se equipped with either balls, rollers or wheels, see this class, subclass 88, subclass 89 and subclass 97 and indented subclasses, respectively.
(4) Note.—See class 104, RAILWAYS, subclass 93 and class 105, RAILWAY ROLLING STOCK, subclass 150, for similar single rail constructions.

The patents contained in these subclasses have been taken for the most part from various subclasses in class 156, Curtains, Shades and Screens, abolished in this order.

In *class 20, Wooden Buildings* (Division 33), abolish the following subclasses with their definitions:

Doors
Sliding
20 Jointed,
Shutters
59 Awning,

The patents formerly contained in subclass 20 have been placed for the most part in class 160, Closures, Partitions and Panels, Flexible and Portable, established in this order, and those formerly contained in subclass 59 have been placed for the most part in class 160, Closures, Partitions and Panels, Flexible and Portable and in class 20, Wooden Buildings, subclass 57.5, both established in this order.

In *class 20, Wooden Buildings* (Division 33), establish the following subclasses and definitions:

57.5 **Awnings.**
Slatted floor coverings
78.3 Flexibly interconnected elements
78.6 Side-by-side flexibly interconnected.

57.5 Shutters and other rigid panels or closures adapted to extend from the surface of a building structure to shed rain and snow and/or to shade light.
Note.—For related devices of the flexible or portable panel type and for devices as above defined combined with flexible or portable panels, see class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, especially subclass 19 and indented subclasses and subclass 45 and indented subclasses.

78.3 Devices under subclass 78 in which the slats or plural rigid assemblages of slats are interconnected for relative motion.
(1) Note.—Such interconnection may be by means of pivots, strands or fabrics.
(2) Note.—These devices may have a border member which is flexible or made of flexible material.
(3) Note.—**Complete this search** in the pertinent subclasses of class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 130 and indented subclasses, particularly subclass 218 and indented subclasses.

78.6. Devices under subclass 78.3 in which the elements are flexibly interconnected in an edge-to-edge or side-by-side relation.
Note.—**Complete this search** in the pertinent subclasses of class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, particularly subclass 229 and indented subclasses.

The patents contained in subclass 57.5 have been taken for the most part from class 20, Wooden Buildings, subclass 59; class 156, Curtains, Shades, and Screens, various subclasses; and class 189, Metallic Building Structures, subclass 55, all abolished in this order; and those in subclasses 78.3 and 78.6 have been taken for the most part from class 20, Wooden Buildings, subclass 78.

In *class 39, Gates* (Division 1), abolish the following subclasses with their definitions:

Mechanically operated
10 Compound
Multiple movement
On vertical pivot
13 And series of horizontal pivots,
Gate and Latch
27 Gate folding on horizontal pivots,
49 Folding on vertical pivots,
50 Folding on horizontal pivots,
Multiple movement
On vertical axis
80 And series of horizontal pivots,
85 **Folding on vertical pivots.**
86 **Folding on horizontal pivots.**

The patents formerly contained in these subclasses have been placed for the most part in class 160, Closures, Partitions and Panels, Flexible and Portable, established in this order.

In *class 39, Gates* (Division 1), change the title of subclass 26 to read:

Mechanically operated
Gate and latch
26 Gate moving on vertical pivots.

In *class 41, Ornamentation* (Division 17), establish the following subclass and definition:

Ornamental forms
16.5 Rod attached.

16.5 Ornamental forms under subclass 10 specially designed to be rigidly attached to the end or intermediate portion of a rod.
(1) Note.—The rod may be disclosed as of any kind, for example, as a lightning rod, pin, curtain rod, lamp supporting rod, etc.
(2) Note.—Forms designed for suspension from a support of rod or other form are in subclass 10 or other appropriate subclass thereunder.
(3) Note.—Class 5, BEDS, subclass 281, for bed post top ornaments.
(4) Note.—Class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 4, for lightning rod end terminals.

The patents contained in this subclass have been taken for the most part from various subclasses in class 156, Curtains, Shades, and Screens, abolished in this order and from class 41, Ornamentation, subclass 10.

In *class 45, Furniture* (Division 8), abolish the following subclasses:

105 **Screens**
106 Folding.

The patents formerly contained in these subclasses have been placed for the most part in class 160, Closures, Partitions and Panels, Flexible and Portable, established in this order.

In *class 95, Photography* (Division 7), abolish the following subclass with its definition:

Backgrounds
84 Rolling curtain.

The patents formerly contained in this subclass have been placed for the most part in the pertinent subclasses of class 160, Closures, Partitions and Panels, Flexible and Portable, established in this order and in class 95, Photography, subclass 83.

In *class 98, Ventilation* (Division 49), establish the following subclasses and definitions:

Window
Bottom
99.1 Downward deflecting wall,
99.2 Upward deflecting wall
99.3 Swingable or adjustable angle
99.4 With adjustable size or flexible side walls,
99.5 Slidably interconnected sections,
99.6 Casing,
99.7 Slidably interconnected sections,
99.8 Shutter, register or grille type.

99.1. Devices under subclass 99 having a guiding surface which is (1) outwardly directed and downwardly inclined relative to the window, (2) movably mounted and capable of adjustment to such position, (3) constructed to be mounted in such position as well as in other positions and (4) combinations including the above.
(1) Note.—See class 20, WOODEN BUILDINGS, subclass 57.5, for outrigged rigid panels where there are no additional air guiding or controlling features.

(2) Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, particularly subclass 20, subclass 22 and subclass 45 and indented subclasses, for outrigged structures of flexible material or of plural strips, slats or panels interconnected for relative motion and for such type structures combined with other flexible, portable or rigid panels or closures where there are no additional air guiding or controlling features.

99.2. Devices under subclass 99 having an air guiding wall surface so related to the window as to direct the incoming air upwardly. The directing surface is usually either parallel to or inclined upwardly to and away from the window.
Note.—Such devices, if disclosed as also having a downwardly deflecting position, or if combined with an awning, are in subclass 99.1.

99.3. Devices under subclass 99.2 in which the air guiding wall surface (1) is swingably mounted or (2) is so mounted that its angle relative to the window may be changed.
Note.—If the angle is changed to a downwardly deflecting position, the patent is in subclass 99.1.

99.4. Devices under subclass 99.3 in which there are walls at the ends of the air guiding wall surface which are so constructed (as of flexible material or of plural relatively movable strips) that the edge connected to the guiding surface moves therewith, the opposite edge remaining stationary.

99.5. Devices under subclass 99.2 having at least two slidably interconnected sections. These for the most part are for adjustment to window size.
(1) Note.—See this class, subclass 99.7.
(2) Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 222 and indented subclasses, for plural strip, slat or panel devices slidably interconnected and subclass 375 and indented subclass for single frames having movable side bar sections.

99.6. Devices under subclass 99 in the form of a hollow casing having an inlet through one wall and an outlet through a second wall.

99.7. Devices under subclass 99 having at least two sections slidably interconnected. For the most part this is for the purpose of adjustment to window size.
Note.—This class, subclass 99.5 and the note to class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, thereunder.

99.8. Devices under subclass 99 in the form of foraminous panels or frames having plural slats mounted therein.
(1) Note.—See this class, subclass 101 and indented subclasses and subclass 121, for registers and louvers.
(2) Note.—For such devices made of two or more slidably interconnected sections, wherein each of the slats is composed of sliding or telescoping sections, the device having no additional means for directing or controlling air, see class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 223. For such devices combined with flexible or portable panels but having no means in addition to such combination for directing or controlling the air, see class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 90 and indented subclasses, particularly subclass 104.
(3) Note.—See class 20, WOODEN BUILDINGS, subclasses 58–63 and class 189, METALLIC BUILDING STRUCTURES, subclass 54 and indented subclasses and subclasses 82–84, for shutters and grilles.

The patents in these subclasses have been taken for the most part from class 98, Ventilation, subclass 99.

In *class 189, Metallic Building Structures* (Division 33), abolish the following subclasses with their definitions:

80 **Fire shields**
81 Collapsible.
Doors
52 Theater curtains,
Shutters
55 Awnings,
56 Roll
57 Operating devices,
58 Thermal control.

The patents formerly contained in these subclasses have been placed for the most part in class 160, Closures, Partitions and Panels, Flexible and Portable, established in this order; some of the patents from subclasses 80 and 81 having been placed in class 189, Metallic Building Structures, subclasses 1, 2 and 34 and some of the patents from subclass 55 having been placed in class 20, Wooden Buildings, subclass 57.5, established in this order.

In *class 211, Supports, Racks* (Division 8), establish the following subclasses and definitions:

Specially mounted or attached
Wall or window
105.1 Single-horizontal-rod type
105.2 Curved or angular end type,
105.3 Extensible
105.4 Screw adjusted,
105.5 Spring or elastic actuated
105.6 Enclosed spring.

105.1. Racks under subclass 87 in the form of a single horizontal rod or bar and the means for supporting the same.
(1) Note.—Many of these devices are disclosed for hanging curtains or other hanging or drape type fabrics.
(2) Note.—See this class, subclass 123 and indented subclass, for other horizontal rod type supports.
(3) Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, particularly subclass 330 and indented subclasses, and the places noted in the search notes thereunder, for this type of rack having also claimed means for fastening or operating a hanging or drape type fabric.
(4) Note.—See class 248, SUPPORTS, subclass 251 and indented subclasses, for rod type brackets even though claimed in combination with the rod where only such characteristics of the rod structure as combine with the bracket are claimed.

105.2. Racks under subclass 105.1 in which (1) the ends of the rod are curved or directed angularly relative to the body of the rod or (2) the support means has a projecting portion, the end of which is curved or directed angularly toward the rod.

105.3. Racks under subclass 105.1 in which the rod is constructed to have its length changed.
(1) Note.—The change in length may be small and for mounting purposes only.
(2) Note.—See subclass 105.2 for extensible curved or angular end type devices.

105.4. Racks under subclass 105.3 in which screw means are provided to change the length.

105.5. Racks under subclass 105.4 in which the rod is in the form of a spring or other elastic element or such means are provided to cause or assist in change of rod length.

105.6 Racks under subclass 105.5 in which the spring or other elastic element is enclosed.

The patents contained in these subclasses have been taken for the most part from class 156, Curtains, Shades, and Screens, various subclasses, abolished in this order.

In *class 242, Winding and Reeling* (Division 61), establish the following subclass and definition:

Reeling and unreeling
Fabrics
Cores and holders
73.5 Intermediate roll supports.

73.5. Devices under subclass 68 in which means are provided intermediate the length of the roll to engage the fabric wound on the roll so as to support the roll.
(1) Note.—The subcombination, i. e., the intermediate support means per se, as well as the combination with the roll, is here.
(2) Note.—These patents for the most part disclose the roll as an awning roll. Where awning structure in addition to the roll and its intermediate support is claimed, see class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 45 and indented subclasses, particularly subclass 66 and indented subclasses.

The patents contained in this subclass have been taken for the most part from class 156, Curtains, Shades and Screens, various subclasses, abolished in this order.

In *class 287, Rod Joints or Couplings* (Division 52), establish the following subclass and definition:

3 **Combined sliding and pivoted joint.**

3. Joints between two elements within the class definition whereby one element may both slide and pivot with respect to the other.

The patents contained in this subclass have been taken for the most part from class 156, Curtains, Shades, and Screens, subclass 42, abolished in this order.

In *class 296, Land Vehicles, Bodies and Tops* (Division 47), abolish the following subclass with its definition:

Bodies
End gates
Rearwardly removable
54 Telescoping sections.

The patents formerly contained in this subclass have been placed for the most part in class 160, Closures, Par-

titions and Panels, Flexible and Portable, appropriate subclasses, particularly subclass 216, established in this order and in class 296, Land Vehicles, Bodies and Tops, subclass 53.

In *class 2, Apparel* (Division 24), main class definition, add note:

(5) Note.—Class 220, METALLIC RECEPTACLES, and see the notes to the definition of subclass 24 for closures in other classes.;

in subclass 273, add the following:

(1) Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 349, for weights for hanging or drape type fabrics.

(2) Note.—See class 16, MISCELLANEOUS HARDWARE, subclass 1, notes (1) and (2) for other weights.;

and in subclass 278, number the existing note (2) and add:

(1) Note.—For handles of the knob type attached to flexible suspending means, see class 16, MISCELLANEOUS HARDWARE, subclass 122.

In *class 4, Baths, Closets, Sinks, and Spittoons* (Division 1), main class definition under note (2) add:

220—METALLIC RECEPTACLES, and see the notes to the main class definition for receptacles and see the notes to subclass 24 for closures in other classes.

In *class 5, Beds* (Division 8), subclass 11, change the note to read:

Note.—See this class, subclasses 10 and 21.;

in subclass 21, add the following note:

(3) Note.—An adjustable height bed, which is disclosed as a change of level section of an extension type sofa bed, is classified in this subclass rather than in subclass 11.;

in the definition of subclass 33, change "31" to *32*;

in subclass 326, add the following:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, appropriate subclasses for pillow shams of the flexible or portable panel type (1) where no features of structure of the bed are claimed and (2) where no relationship between the pillow sham and bed are claimed in addition to the mere fact that it is mounted on a bed.;

and in subclass 330, in the note, cancel the reference to class 45, Furniture, and substitute *and class 160, Closures, Partitions and Panels, Flexible and Portable, appropriate subclasses.*

In *class 6, Bee Culture* (Division 2), subclass 4, add note:

Note.—Class 220, METALLIC RECEPTACLES, subclass 24 and the notes thereto for closures in general.

In *class 14, Bridges* (Division 33) subclass 45, cancel the note to class 39, Gates, and substitute:

74—MACHINE ELEMENTS AND MECHANISMS, subclass 521, for lazy tongs.

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 136 and indented subclasses, for lazy tongs operated and other forms of plural strip, slat or panel devices in which the elements intersect to form parallelograms pivoted at their points of intersection.;

and in subclass 50 under (2) Search classes, add:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for gates (1) in the form of panel units in which a flexible fabric or other flexible sheet material forms the panel portion, (2) panel units formed of plural strips, slats or panels interconnected for relative motion (excluding those connected only by a common operator or mounted only on a common support or in a common frame), where the relation to a bridge or the features of bridge structure are not claimed.

220—METALLIC RECEPTACLES, and see the notes to subclass 24 for closures in general.

In *class 15, Brushing, Scrubbing, and General Cleaning*, (Division 27), subclass 130.1, note (6), in the first sentence, insert *other* before "coating implements" and cancel "not".

In *class 16, Miscellaneous Hardware* (Division 20), subclass 1, add the following notes:

(1) Note.—Miscellaneous weights with or without their supporting means are here.

(2) Note.—For other weights, see classes:

2, APPAREL, subclass 273, for dress weights.

16, MISCELLANEOUS HARDWARE, subclass 216 and indented subclasses, for sash weights.

22, METAL FOUNDING, subclass 112, for mold jacket weights.

33, GEOMETRICAL INSTRUMENTS, subclass 216, for plumb bobs.

38, TEXTILES, IRONING OR SMOOTHING, subclass 98, for weight increasers for textile smoothing implements.

77, BORING AND DRILLING, subclass 36, for drilling machine counterweights.

119, ANIMAL HUSBANDRY, subclass 107, for weight type animal restraining means.

120, STATIONERY, subclass 82, for paper weights.

160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 349, for bottom weights for hanging or drape type fabrics.

168, FARRIERY, subclass 25, for horse shoe weights.

248, SUPPORTS, subclass 364, for support counterbalance weights.

265, FORCE-MEASURING, subclass 49, for weights for beam scales.

272, AMUSEMENT AND EXERCISING DEVICES, subclass 81, for exercising weights.

280, LAND VEHICLES, subclass 187, for weights for vehicle restraining means.

292, CLOSURE FASTENERS, subclass 344, for weights adapted as closure fasteners.

301, LAND VEHICLES—WHEELS AND AXLES, subclass 5, for wheel counterweights.;

in subclass 18, add the following note:

(3) Note.—For wheel mounts for panel hangers or travelers, see this class, subclass 97 and the notes appended thereto.;

in subclass 46, add the following note:

Note.—For panel hanger and traveler wheels which are antifrictionally mounted, see this class, subclass 98.;

in the definitions of each of subclasses 88–93, 96–101, 103, 105–107, change "doors" to *panels*;

in subclass 92, add the following note:

Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 194 and indented subclass, subclass 333 and indented subclasses and subclass 355 and indented subclasses, for movable-position types of flexible and portable panels.;

in subclass 93, add the following note:

Note.—See class 24, BUCKLES, BUTTONS, CLASPS, ETC., subclass 73 and indented subclasses, particularly subclasses 73, 84 and 86, for combined fasteners of general application, even if disclosed as flexible-panel travelers. These include particularly the hook-type devices, e. g., the hook-hook, hook-clasp and hook-pin hangers. The ring type combinations have been placed in this subclass (class 16, subclass 93).;

in subclass 94, change the definition to read:

94. Tracks as defined in subclass 96, combined with supporting brackets.

(1) Note.—For suspended railway structures, see class 104, RAILWAYS, subclasses 89–111, and for the suspended rail structures with or without their supports, see particularly subclass 106 and indented subclasses.

(2) Note.—See class 211, SUPPORTS, RACKS, subclass 105.1 (and the notes thereunder), for single horizontal rod type devices and their supports.

(3) Note.—Bracket supports per se will be found in class 248, SUPPORTS, subclass 200 and indented subclasses and particularly subclass 261 and indented subclasses, for horizontal curtain rod brackets.;

in subclass 96, change the definition to read:

96. Tracks or track devices under subclass 87 for sliding panels of either rigid or flexible nature.

(1) Note.—For tracks of this type combined with supporting brackets, see this class, subclass 94 and the notes appended thereto.

(2) Note.—For covered tracks of this type, see this class, subclass 95 and the notes appended thereto.

(3) Note.—For suspended railway structures, see class 104, RAILWAYS, subclasses 89–111, and for the suspended rail structures with or without their supports, see particularly subclass 106 and indented subclasses.

(4) Note.—For railway surface track, see the appropriate subclasses of class 238, RAILWAYS, SURFACE TRACK.;

in subclass 97, add the following note:

Note.—For other wheel mounts, search classes:

16—MISCELLANEOUS HARDWARE, subclass 18 and indented subclasses (especially subclass 45 and indented subclasses).

74—MACHINE ELEMENTS AND MECHANISMS, subclass 230.1 and indented subclasses, note 10 being a compilation of classification for pulley-like wheels and structures.

254—PUSHING AND PULLING IMPLEMENTS, subclass 190 and indented subclasses.

280—LAND VEHICLES, subclass 11.19 and indented subclasses.

295—RAILWAY WHEELS AND AXLES, pertinent subclasses.

301—LAND VEHICLES—WHEELS AND AXLES, subclass 124 and indented subclasses.;

in subclass 98, add the following note:

Note.—Search Classes—

16—MISCELLANEOUS HARDWARE, subclass 46 and indented subclasses.

308—MACHINE ELEMENTS—BEARINGS AND GUIDES, pertinent subclasses.;

in subclass 104, add the following at the end of the definition: *or panel*;

in subclass 122, note (2), change the reference to class 156, Curtains, Shades and Screens, subclass 40, to read: *class 2, Apparel, subclass 278*;

in subclass 193, cancel the existing definition and substitute:

193. Means connected with sashes, frames or panels for holding them in balanced or adjusted position. In the following indented subclass "sashes" is used generically.

Note.—See class 248, SUPPORTS, subclass 325, subclasses 329–331, subclass 334 and indented subclass and subclass 364.;

and in subclass 216, add the following note:

Note.—For other weights, see this class, subclass 1 and note (2) thereunder.

In *class 20, Wooden Buildings* (Division 33), main class definition, add the following notes:

(1.4) Note.—Closures and other panels combined with means for facilitating the passage of insects in one direction through the panel and which are intended to prevent or make difficult the reentrance of the insects, have been placed in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 12 and indented subclasses.

(1.5) Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for:

(*a*) Closures and other panel units utilizing flexible sheet material or fabrics to constitute the panel portion.

(*b*) Closures and panel units made of plural strips, slats or panels interconnected with one another for relative motion (except radial blade rotating doors in class 20, WOODEN BUILDINGS, subclass 18).

(*c*) Closures and panel units of either or both types (*a*) and (*b*) combined with closures or panel units of other types.

In flexible closures or panel units of the frame type, namely, those classifiable in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 371 and indented subclasses, where the patent discloses the alternative use of either a flexible or a rigid insert for a first frame, which insert may have its own additional second frame, and which patent claims the alternative use of inserts in such first frame or claims the inserts for such frame generically only, either per se or in combination with the first frame, the patents have been placed in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE. Also, in the same framed type where the patent discloses as species two or more embodiments, some having flexible inserts and some having rigid inserts, the patents have been placed in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, (1) where the inserts are claimed generically only or (2) where at least one specific claim to the flexible insert is present (even if the rigid insert is also claimed); but the patents have been placed in class 20, WOODEN BUILDINGS, if (1) only generic claims and claims specific to the rigid insert are present or (2) if the claims are specific only to the rigid insert; and class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, takes them where the sole disclosure is flexible even though the claims are not limited thereto.

(1.6) Note.—Class 220, METALLIC RECEPTACLES, and see the notes to subclass 24, for closures in other classes.;

in subclass 15, add the following note:

Note.—Flexible panels of the flexible or portable panel type will be found in the pertinent subclasses of class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE.;

in subclass 27, add the following notes:

(1) Note.—See class 105, RAILWAY ROLLING STOCK, subclass 280 and indented subclasses, for doors for freight cars mounted upon the underside of the car, or upon the side of the car when adjacent a sloping or hopper type bottom.

(2) Note.—Car doors composed of plural panels interconnected for relative motion will be found in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 130 and indented subclasses.

(3) Note.—Doors composed of plural panels interconnected for relative motion claimed in combination with a dispensing nozzle will be found in class 221, DISPENSING, subclass 118 or other appropriate indented subclass.;

in subclass 28, add *free* before "sectional";

in subclass 30, cancel "or by having a two-part door hinged in the center";

in subclass 32, cancel the second sentence of the definition;

in subclass 33, add the following note:

Note.—For plural movably interconnected panels with movable guides, see class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 194 and indented subclass.;

in subclass 36 cancel the existing definition and substitute:

36. Devices under subclass 35 wherein rigid panels are detachably secured in place.

(1) Note.—Where the panels are flexible or made up of a plurality of interconnected panels, see the line note (1.5) between this class and class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE.

(2) Note.—See this class, subclass 56.1, for removable panels for window sashes.;

in subclass 38, add the following note:

Note.—Search class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 379, for reinforcing bars, members and braces and subclass 381 for corner elements for framed types of flexible and portable panels where:

(*a*) the framed structure is a door and the flexible panel is claimed.

(*b*) the framed structure is other than a door.;

in subclass 39, add the following notes:

(1) Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 90 and indented subclasses and subclasses 116, 180, 200, 205 and 237, for (*a*) flexible and portable panels with wickets and (*b*) rigid closures with openings and flexible panel closures therefor.

(2) Note.—See class 296, LAND VEHICLES, BODIES AND TOPS, subclass 44 and indented subclasses, for land vehicle doors and windows having corresponding structure.;

in subclass 40.4 add the following note:

(3) Note.—Display windows combined with a closure of the flexible or portable panel type with or without their operating means are in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, appropriate subclasses. If the operating means is initiated by the breaking of the window, see particularly subclass 2 and indented subclasses.;

in subclass 42, insert after "sashes" *composed of free sections* and add the following note:

Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 358 and indented subclass, which has combined sliding and swinging flexible fabric filled frames.;

in subclass 52.1, add the following note:

Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 87, for flexible panels slidable into a storage chamber not constituting a portion of the panel structure.;

in subclass 53, add the following note:

Note.—Devices of this type combined with flexible and portable panels will be found in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 92 and indented subclasses, and swinging flexible fabric filled frames are in subclass 360 and indented subclasses.;

in subclass 55, cancel the first word of the definition and insert *Single sashes and sashes composed of free sections*, and add the following note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 90 and indented subclasses, for such devices in combination with flexible and portable panels, and the pertinent subclasses of that class (160) for storm windows having flexible fabric panel portions or having plural strips, slats or panels interconnected for relative motion.;

in subclass 56.1, cancel the existing definition and substitute:

56.1. Devices under subclass 56 wherein rigid panels are detachably secured in place.

(1) Note.—Where the panels are flexible or made up of a plurality of interconnected panels, see the line note (1.5) between this class and class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE.

(2) Note.—See this class, subclass 36, for removable panels for door constructions.;

in subclass 61, cancel the second sentence of the definition and in the note cancel "20" and substitute *19*;

immediately before subclass 65 in the definitions add:

Weather strips:

Mechanisms designed to close the spaces between closures and their frames, or between meeting closures, in order to aid in the exclusion of weather.

(1) Note.—Combinations of weather strips with other features of the joint will be found in subclass 52.4.
(2) Note.—Search Classes—
160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 40 and indented subclasses.
189—METALLIC BUILDING STRUCTURES, subclass 65 and subclass 70.
296—LAND VEHICLES, BODIES AND TOPS, subclass 92.;

in subclass 71, add the following note:

Note.—Analogous devices of the flexible or portable panel type to prevent a flexible or portable panel from being blown out of a window will be found in the pertinent subclasses of class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE.;

and in subclass 92, add the following note:

(1.5) Note.—Complete this search for corner joints for frame structures in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 381.

In *class 22, Metal Founding* (Division 3), subclass 112, number the existing note (*1*) and add the following note:

(2) Note.—See class 16, MISCELLANEOUS HARDWARE, subclass 1, notes (1) and (2) for other weights.

In *class 24, Buckles, Buttons, Clasps, Etc.* (Division 5), subclass 68, under "(4) Search classes:", add:

254—PUSHING AND PULLING IMPLEMENTS, subclass 190 and indented subclasses, for cable guides adjustable to tighten the guided cable.;

in subclass 71.1, number the existing note *2* and insert the following note:

(1) Note.—For mere cord and rope adjusters not having a drawing-up or tightening feature, see this class, subclass 115 and indented subclasses.;

and in note (2), add the following:

267—SPRING DEVICES, subclass 69 and the indented subclasses for midline tighteners in the form of mere spring devices.;

in subclass 115 under "(4) Search classes:" add:

254—PUSHING AND PULLING IMPLEMENTS, subclass 191, for cable guides designed to grip the cable between the pulley and its support.;

and in subclass 150 under "(4) Search classes:" change "156, Curtains, Shades and Screens, subclass 21" to read: *16, Miscellaneous Hardware, subclass 67.2 and indented subclasses,* and after "in this class" in the second sentence, add (24).

In *class 27, Undertaking* (Division 20), subclass 14, add the following note:

Note.—Class 220, METALLIC RECEPTACLES, and see the note to subclass 24 for closures in general.

In *class 28, Textiles* (Division 21), main class definition, under (2) note, change the reference to class 156, Curtains, Shades and Screens, to read:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for textile fabrics combined with mounting or operating means or other additional features.

In *class 30, Cutlery* (Division 53), subclass 3, in note (2) after "combined" insert *with other things will be found in this class, subclass 123 and indented subclasses, those combined* and at the end insert *or appropriate indented subclass* and in note (3) change "Can" to *Hand manipulable can* and before "tools" insert *hand manipulable.*

In *class 35, Education* (Division 53), subclass 62, add the following note:

Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 127, for erasable surfaces combined with flexible and portable panels (which include plural interconnected rigid panel closures).

In *class 36, Boots, Shoes, and Leggings* (Division 11), subclass 50, add the following note:

Note.—Class 220, METALLIC RECEPTACLES, and see the notes to subclass 24 and indented subclasses, for closures in general.

In *class 38, Textiles, Ironing or Smoothing* (Division 27), subclass 98, add the following note:

Note.—See class 16, MISCELLANEOUS HARDWARE, subclass 1, notes (1) and (2) for other weights.

In *class 39, Gates* (Division 1), main class definition, under "(6) Search classes:" add:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for gates of flexible material and gates formed of plural strips, slats or panels interconnected with one another for relative motion.
220—METALLIC RECEPTACLES, and see the notes to subclass 24 for closures in general.;

in subclass 11, cancel note (1) and substitute:

(1) Note.—Search this class, subclass 75, for gates in which one part of the barrier portion is movable relative to another part to produce an opening less than maximum.

in subclass 75, cancel the existing definition (but not the note) and substitute:

75. Gates whose barrier portion is divided into a plurality of parts which parts are not interconnected for relative motion (though they may be connected by a common operator and/or mounted on a common support or in a common frame), which parts have a movement together to produce a maximum gate opening, while one of the parts has a movement relative to another to produce an opening less than the maximum.

number the existing note (*1*) and add:

(2) Note.—Search Class—
160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, particularly subclasses 116, 200 and 205, for such gates formed of plural strips, slats or panels interconnected for relative motion.;

in subclass 76, cancel the note and substitute:

Note.—Search this class, subclass 75, for gates in which one part of the barrier portion is movable relative to another part to produce an opening less than maximum.

In *class 40, Card, Picture, and Sign Exhibiting* (Division 35); main class definition, add the following note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for (1) panel units in which a flexible fabric or other flexible sheet material forms the panel portion, (2) panel units formed of plural strips, slats or panels interconnected for relative motion (excluding those connected only by a common operator or mounted only in a common frame or on a common support), (3) panel units in the form of portable partitions and (4) parts (1)–(3) combined with each other or with rigid closures or other rigid panels.;

in subclass 27, in the note, change the reference to class 156 to *160, Closures, Partitions and Panels, Flexible and Portable, subclass 382 and indented subclasses, particularly subclass 384 and subclass 385 and indented subclasses.*;

in subclass 82, under "(2) Search class", change the reference to class 156 to read:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, particularly subclass 238 and indented subclasses.;

in subclass 85, under "Search class:", change the reference to class 156 to read:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, particularly subclass 291 and indented subclasses and subclass 309 and indented subclasses.;

and in subclass 86, add the following note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 241.

In *class 41, Ornamentation* (Division 17), subclass 10, under "Search classes", cancel the notes to classes 45 and 156.

In *class 43, Fishing, Trapping, and Vermin Destroying* (Division 2), subclass 119, cancel note (2) and substitute:

(2) Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 12 and indented subclasses, for flexible or portable panels and rigid closures providing for exit of insects which exits are intended to prevent reentrance but do not trap, and subclass 18 for non-trapping type blocking, repelling or chasing means.

In *class 47, Plant Husbandry* (Division 1), in the main class definition under "Search classes;" add:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for (1) panel units in which a flexible fabric or other flexible sheet material forms the panel portion, (2) in the form of panel units formed of plural strips, slats or panels interconnected for relative motion (excluding those connected only by a common operator or mounted on a common support), (3) panel units in the form of portable partitions and (4) parts (1)–(3) combined with each other or with rigid closures or panels.;

and in subclass 26, under note (2), cancel the reference to class 156.

In *class 63, Jewelry* (Division 57), subclass 19, under "Search classes:" add:

220—METALLIC RECEPTACLES, subclass 24 and indented subclasses and see the notes thereto for closures generally.

In *class 68, Textiles, Fluid Treating Apparatus* (Division 27), subclass 148, insert *perforate* before each of "cage" and "carrier" in the subclass definition;
and in subclass 171 in the subclass definition change the period to a comma and add *the liquid flow being caused solely by the movement of the receptacle.*

In *class 74, Machine Elements and Mechanisms* (Division 45), subclass 230.1 in note 10, in the reference to class 16, Miscellaneous Hardware, add *97 and indented subclasses;*
in subclass 417, cancel the search note;
and in subclass 575, under "(2) Search Classes", add:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclasses 296, 297 and 300 and indented subclasses.

In *class 77, Boring and Drilling* (Division 47), subclass 36, add the following note:

Note.—See class 16, MISCELLANEOUS HARDWARE, subclass 1, notes (1) and (2) for other weights.

In *class 88, Optics* (Division 7), subclass 28.90, in note (1), change the comma (,) after "claimed" to a period (.) and cancel the remainder of the note; in note (2), change the subclasses to read: *81 and indented subclass, and 83 and the note thereto.*; and rewrite note (3) to read:

(3) Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for motion picture screens made of flexible material or of plural strips, slats or panels interconnected for relative motion, where features specializing them to receive projected images are not claimed. Such features are surface characteristics adapting them to receive projected images, characteristics permitting sound to pass (for combined sound and picture projection), combination with projector and/or sound reproducer or combination with the stage or stage accessories.;

in subclass 29.91, cancel notes (1) and (2) and substitute:

(2.5) Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, pertinent subclasses, attention being directed to subclass 19 and indented subclasses (including thereunder particularly subclass 24), subclass 238 and indented subclasses, subclass 351 and subclass 377.;

and in subclass 57.5 under "(3) Search class:", add:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for such devices having no reflecting or refracting properties for distributing light in rooms and buildings.

In *class 94, Roads and Pavements* (Division 33), subclass 34, cancel the note and substitute:

Note.—Search Classes—
88—OPTICS, subclass 59, for optical features of similar structure.
220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In *class 95, Photography* (Division 7), subclass 83, add the following note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, appropriate subclasses, for backgrounds in the form of devices having panels of flexible material and devices in the form of plural strips, slats or panels interconnected for relative motion, where only the structure thereof, with or without operating, mounting or housing means, are claimed; and no features specialized to photography are claimed. Such features are surface characteristics of the background and particular relations to the subject to be photographed.

In *class 98, Ventilation* (Division 49), main class definition, add note:

(6.5) Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for ventilating devices (1) in the form of panels in which a flexible fabric or other flexible sheet material forms the panel portion, (2) in the form of panel units formed of plural strips, slats or panels interconnected for relative motion (excluding those connected only by a common operator or mounted on a common support), (3) panels in the form of portable partitions and (4) parts (1)-(3) combined with each other or with rigid closures or other rigid panels. Ventilators, as above combined, with additional means (as pumps, valves, baffles, etc.) to cause, control or direct the flow of air are in class 98, VENTILATION. Closures and panel units in the form of grilles, shutters or registers, whether of the stationary or non-interconnected pivoted vane type, have been treated as rigid panels.;

in subclass 51, note (2), change "subclasses 71 and 105" to *subclass 71 and indented subclasses.*;
and in subclass 89, number the existing note (*1*) and add:

(2) Note.—For outrigged flexible and portable panels without additional means to control, direct or cause ventilation, see class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, appropriate subclasses, particularly subclass 45 and indented subclasses.

In *class 104, Railways* (Division 34), subclass 89, add the following note:

Note.—For tracks for panel hangers and travelers, see class 16, MISCELLANEOUS HARDWARE, subclasses 94–96, inclusive.;

in subclass 93, add the following note:

Note.—For panel hangers and travelers, see class 16, MISCELLANEOUS HARDWARE, subclass 87 and indented subclasses.;
and in subclass 106 under "Search class—", add:

16—MISCELLANEOUS HARDWARE, subclasses 94–96, for tracks for panel hangers and travelers.

In *class 105, Railway Rolling Stock* (Division 34), main class definition, number the existing note (*2*) and add:

(1) Note.—Class 220, METALLIC RECEPTACLES, subclass 24 and indented subclasses and see the notes thereto for closures in general.;

in subclass 8, add the following note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for such devices not restricted to vestibule connections.;

in subclass 150, add the following note:

Note.—For panel hangers and travelers, see class 16, MISCELLANEOUS HARDWARE, subclass 87 and indented subclasses.;

in subclass 280, number the existing note (*1*) and add the following notes:

(2) Note.—See class 20, WOODEN BUILDINGS, subclasses 27–34, for rigid doors mounted upon the side of a car for holding grain in the car and/or allowing grain to be dispensed from the car.
(3) Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 130 and indented subclasses, for doors composed of plural panels interconnected for relative movement mounted upon the side of a car for holding grain in the car and/or allowing grain to be dispensed from the car.
(4) Note.—See class 221, DISPENSING, subclass 118 and other appropriate indented subclasses, for doors composed of plural panels interconnected for relative motion claimed in combination with a dispensing nozzle.;

in subclass 332, add the following note:

Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, appropriate subclasses, for closures made of flexible material, or made of plural strips, slats or panels interconnected for relative motion, including such structures claimed in combination with other types of closures or other types of flexible and portable panels, where the features of car structure claimed are only those necessary for the mounting and operation of the closures.;

in subclass 341, note (2), before "closures" insert *operators for*;
in subclass 353, add the following note:

Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for storm fronts in the form of flexible and portable panels, including their mounting and/or operating means and combinations with rigid closures (including windshields). Such combinations claimed in combination with other vehicle structure (as windshield wipers, glare shields, etc.) or when the relation to the vehicle is claimed, are in this class (105).;

and in subclass 378, Note (1), change the period to a comma and add: *and in class 160, Closures, Partitions and Panels, Flexible and Portable.*

In *class 107, Bread, Pastry, and Confection Making* (Division 20), subclass 65, under "Search Class", add:

126—STOVES AND FURNACES, subclass 190 and indented subclasses, for stove doors and windows.
220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In *class 109, Safes, Bank Protection and Related Devices* (Division 20), in the main class definition, add the following:

(10.5) Note.—See class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 2 and the indented subclass, for lightning protection of buildings, persons or any other object.;

in subclass 10, add the following note:

(8) Note.—In class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for devices (1) in which a flexible fabric or other flexible sheet material forms the panel portion, (2) formed of plural strips, slats or panels interconnected for relative motion (excluding those connected only by a common operator or mounted only on a common support), (3) combinations of (1) and (2), and (4) combinations of (1) to (3), inclusive, with rigid closures. Such devices in the combination set forth in the definition of this subclass (10) including those having attack actuated operating means, are in this subclass or the appropriate indented subclass.;

in subclass 14, add the following note:

Note.—For roller type devices, see class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, particularly subclass 238 and indented subclasses; and note (8) to this class (109), subclass 10.;

in subclass 15, add the following note:

Note.—For movably interconnected plural strip, slat or panel type devices, see class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, particularly subclass 130 and indented subclasses; and note (8) to this class (109), subclass 10.

and in subclass 64, cancel note (4) and substitute:

(4) Note.—Class 220, METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In *class 110, Furnaces* (Division 19), subclass 173, under "(3) Search classes:", add:

220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In *class 114, Ships* (Division 61), main class definition, cancel the notes and substitute:

Note.—Search Classes—

9—BOATS AND BUOYS, for boats, canoes, life boats, and rafts, and other small craft usually propelled by oars.

220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

223—LADDERS, subclass 54, for ship's ladders.;

in subclass 117, under "Search Classes" add:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for doors of flexible material and doors made of plural strips, slats or panels interconnected for relative motion.;

and under 220, Metallic Receptacles, after "subclass 24" add: *and the notes thereto*;

in subclass 173, add the following note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for closures of flexible material and closures made of plural strips, slats or panels interconnected for relative motion.;

in subclass 201, under "Search Classes", add:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for hatches in the form of flexible and portable panels, including hatches of flexible material and of plural strips, slats and panels which are interconnected for relative movement. These patents may include so much of the mounting means as is necessary to support the hatch and may include the operating means for such hatch.;

and in subclass 240, add the following note:

Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for flexible and portable panels of more general utility.

In *class 117, Coating; Processes and Miscellaneous Products* (Division 38), main class definition, section II, under "(2) Search classes:", rewrite the reference to class 154 to read as follows:

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 46 and indented subclasses, for fabrics or products which are capable of being formed by either a coating or laminating process unless the only process disclosed or claimed is a coating process for class 117.;

and cancel the reference to class 156 and substitute:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for flexible and portable panels, which recite structure of the panel in addition to the coated base, e. g., its support, its operator or its frame.;

and in subclass 124, in the definition, insert *non-fibrous* before "glass"; number the existing note (*1*) and add the following note:

(2) Note.—See subclass 126 for coated fibrous glass, e. g., filaments and fabrics.

In *class 119, Animal Husbandry* (Division 2), subclass 107, add the following note:

Note.—See class 16, MISCELLANEOUS HARDWARE, subclass 1, notes (1) and (2), for other weights.

In *class 130, Stationery* (Division 53), subclass 82, add the following note:

Note.—See class 16, MISCELLANEOUS HARDWARE, subclass 1, notes (1) and (2), for other weights.

In *class 126, Stoves and Furnaces* (Division 19), main class definition add:

(3) Note.—Search Classes—

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for devices (1) in the form of panels in which flexible fabrics or other flexible sheet material forms the panel portion, (2) in the form of panel units formed of plural strips, slats or panels interconnected for relative motion (excluding those connected only by a common operator or mounted on a common support), (3) panels in the form of portable partitions or (4) parts (1)–(3) combined with each other or with rigid closures or other rigid panels, even though claimed in combination with a fire place, stove or furnace broadly, where only those features of the fire place, stove or furnace which pertain to the mounting and for operating of the flexible or portable panels, are claimed.

220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.;

in each of subclasses 120 and 201, number the existing note (*1*) and add:

(2) Note.—See note (3) to the main class definition.;

and in subclass 135 under "(2) Search Classes—", cancel the notes to classes 20 and 189 and add:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, and see note (3) to the main class definition.

In *class 135, Tents, Canopies, Umbrellas, and Canes* (Division 53), main class definition, cancel the third paragraph and substitute:

Awnings of flexible material or of plural strips, slats or panels interconnected for relative motion are in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, see particularly subclass 45 and indented subclasses, while those of rigid material or of plural strips, slats or panels merely connected by a common operator or on a common support are in class 20, WOODEN BUILDINGS, subclass 57.5.

In *class 150, Cloth, Leather, and Rubber Receptacles* (Division 29), main class definition, add:

(3) Note.—Search Class—

220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In *class 154, Laminated Fabric and Analogous Manufactures* (Division 56), subclass 2.6, add the following note:

(4) Note.—See class 117, COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, appropriate subclasses, for merely coated or impregnated fabrics, even though claimed to be electrically insulating.

In *class 168, Farriery* (Division 14), subclass 25, under "Search Class:" add:

16—MISCELLANEOUS HARDWARE, subclass 1, for miscellaneous weights per se, and see note (2) thereunder.

In *class 169, Fire-Extinguishers* (Division 46), main class definition, note (1), second sentence, change the period (.) to a comma (,) and add: *and class 180, Closures, Partitions and Panels, Flexible and Portable, especially subclass 1 and indented subclasses.*

In *class 184, Lubrication* (Division 45), subclass 88, under "(2) Search Class:" add:

220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In *class 185, Motors* (Division 45), subclass 37, under "(2) Search Classes:", change the reference to class 156 to: *160, Closures, Partitions and Panels, Flexible and Portable, particularly subclass 29 and indented subclasses when combined with a brake or stop and subclass 313 and indented subclasses when not so combined*;.

In *class 187, Elevators* (Division 4), subclass 51, under "(3) Search Classes:", add:

220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.;

and in subclass 62, under "Search Classes", add:

220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In *class 189, Metallic Building Structures* (Division 33), main class definition, under "Search classes—", cancel the note to class 20, Wooden Buildings, and substitute:

20—WOODEN BUILDINGS, subclasses 6–9 and 74, for wall mounted conduits and conduit type moldings; subclass 57.5 for shutters and other rigid panels or closures of the awning type, i. e., adapted to extend from the surface of a building structure to shed rain and snow and/or for shading purposes, even though made of metal, and see the notes to that subclass.;

in the main class definition, add under "Search classes—":

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for:

(*a*) Closures utilizing flexible material or fabrics in their panel positions;

(*b*) Closures made of plural strips, slats or panels interconnected with one another for relative motion; and

(*c*) Closures of either or both types (*a*) and (*b*) combined with closures of other types.

In closures of the frame type, namely, those classifiable in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 371 and indented subclasses, where the patent discloses the alternative use of either a flexible or a rigid insert for a first frame, which insert may have its own additional second frame, and which patent claims the alternative use of inserts in such first frame or claims the inserts for such frame generically only, either per se or in combination with the first frame, the patents have been placed in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE. Also, in the same framed type where the patent discloses as species two or more embodiments, some having flexible inserts and some having rigid inserts, the patents have been placed in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, (*a*) where the inserts are claimed generically only, or (*b*) where at least one specific claim to the flexible insert is present (even if the rigid insert is also claimed); but the patents have been placed in class 20, WOODEN BUILDINGS, if (*a*) only generic claims and claims specific to the rigid insert are present, or (*b*) if the claims are specific only to the rigid insert.;

in subclass 7, in note (2) cancel "and 52";

in subclass 36, add the following note:

(0.5) Note.—Complete this search for joints for frame structures in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 381.;

and under note (3) add:

24—BUCKLES, BUTTONS, CLASPS, ETC., for miscellaneous fastening devices.

85—DRIVEN, HEADED, AND SCREW-THREADED FASTENINGS.

284—VALVED PIPE JOINTS OR COUPLINGS.

286—PACKED SHAFT OR ROD JOINTS.

288—JOINT PACKINGS.;

in subclass 51, before "sections" insert *free* and in note (2), change the reference to class 156, Curtains, Shades and Screens, to read:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 113 and subclass 130 and indented subclasses.;

in subclass 54, in note (2) in the first sentence, cancel "other than roll" and cancel the second sentence. In note (4) add:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for roll shutters and their operating means, particularly subclass 23 and indented subclasses, subclass 133 and subclass 238 and indented subclasses.;

in subclass 60, before "sections" in the first sentence insert *free* and cancel the second sentence. In note (1) change the subclasses listed to read: *48, 51, 59 and 72.* In note (2), change the reference to class 156, Curtains, Shades and Screens, to read:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 130 and indented subclasses.;

in subclass 62, cancel note (1), remove the number from note (2), and cancel the reference to class 156;

and in subclass 65 under "(2) Search Class:" add:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 40 and indented subclasses.

296—LAND VEHICLES, BODIES AND TOPS, subclass 93.;

and in subclass 79, under "(2) Search Class:", add:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, appropriate subclasses, for guards of flexible fabric or of plural strips, slats or panels interconnected for relative motion.

In *class 191, Electricity—Transmission to Vehicles* (Division 34), subclass 95, note (2), change the reference to class 156, Curtains, Shades and Screens, to read:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 291 and indented subclasses.

In *class 202, Distillation* (Division 64), subclass 242, at the end of the note referring to class 220, add: *and see the notes thereto for closures in general.*

In *class 206, Special Receptacles and Packages* (Division 40), main class definition, under note (1) add:

95—PHOTOGRAPHY, for means for holding sensitized surfaces during exposure.

In *class 209, Classifying, Separating, and Assorting Solids* (Division 25), subclass 372, add the following note:

(3) Search Class—

220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In *class 215, Bottles and Jars* (Division 58), subclass 37, add the following note:

Note.—Search Class—

220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In *class 217, Wooden Receptacles* (Division 40), main class definition under "(2) Search Class—", add:

220—METALLIC RECEPTACLES, and see subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In *class 220, Metallic Receptacles* (Division 40), subclass 24, cancel notes (4), (5) and (6) and substitute:

(4) Note.—Closures in other classes:

I. Art devices having a closure as a part of the combination are classified for the most part with the particular art. The following notes mention some such art combinations, but no attempt has been made to mention all. An attempt has, however, been made to list all classes and subclasses for closures per se.

II. 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, and see the notes to the definition of such class for closures of the flexible or portable panel type, i. e., for closures in the form of (1) panel units in which a flexible fabric or other flexible sheet material forms the panel portion, (2) panel units formed of plural strips, slats or panels interconnected for relative motion (excluding those connected only by a common operator or mounted only in a common frame or on a common support), or (3) parts (1) and (2) combined with each other or with other types (i. e., rigid) of closures.

III. Dispensing:

Closures constructed for dispensing, specially related to receptacles or containers to assist or promote dispensing, or combined with other dispensing structure have (for the most part) not been listed. In some instances dispensing structures and/or closures having structure closely related to non-dispensing closure structures have been listed. For such devices, see the appropriate dispensing classification, class 221, DISPENSING, being the generic class.

IV. Valves:

Valve type closures are not here listed; see the following which are the main classes for valves:

50, FLUID-PRESSURE REGULATORS.
137, WATER DISTRIBUTION.
251, VALVES.
277, MULTIPLE VALVES.

V. The following classes take closure combinations where only so much of the closure is claimed as pertains to the subject matter of the class noted:

70, LOCKS.
268, CLOSURE-OPERATORS.
292, CLOSURE FASTENERS.

VI. Class 39, GATES.

VII. Firearms, ordnance and ammunition:

42, FIREARMS, subclass 2 and indented subclasses, for breech closures.
89, ORDNANCE, subclass 17 and indented subclasses, for breech closures and subclass 30, for touchhole stoppers.
102, AMMUNITION AND EXPLOSIVE DEVICES, subclass 30, for plugs to be placed in blast holes to confine the blasting charge, and subclass 95, for gun or cartridge wads.

VIII. Furnace and heating classes:
48, GAS, HEATING AND ILLUMINATING, subclass 124, for retort lids, subclass 176, for tanks with bell type closures.
107, BREAD, PASTRY, AND CONFECTION MAKING, subclass 65, for doors for bakers' ovens.
110, FURNACES, appropriate subclasses, for furnace doors in combination with other furnace structure, particularly subclasses 66, 67, 94, 95, 112, subclass 116 and indented subclass and subclass 158; furnace fronts with doors in subclass 172; furnace doors in subclass 173 and indented subclasses; doors and casings with cooling means in subclass 180; casings and arches for furnace doors in subclass 181 and indented subclass.
122, LIQUID HEATERS AND VAPORIZERS, subclass 360 and indented subclasses, for the structure of heaters for water tube boilers; subclass 497 and indented subclasses, for water cooled boiler fronts, subclass 498 having water cooled furnace doors.
126, STOVES AND FURNACES, particularly the following subclasses which occur in the class list in the order noted:
140, closures for fireplace openings.
211 and indented subclasses, stove lids and tops.
190 and indented subclasses, stove doors and windows.
319, flue stoppers.
201 and indented subclasses, for stove and fireplace fenders.
158, LIQUID AND GASEOUS FUEL BURNERS, particularly subclasses 2 and 9, for closure combinations.
202, DISTILLATION, subclass 190 and indented subclasses, where a condenser forms a cap or closure for a still, and subclass 242 and indented subclasses, for retort and still closures.
257, HEAT EXCHANGE, particularly subclass 34, for condensers that are receptacle closures, and subclass 132, for motor vehicle radiator casings and shields.
266, METALLURGICAL APPARATUS, subclass 42, for devices for closing the tap hole or tuyère to stop flow of molten material.

IX. Receptacle, building structure and vehicle body classes:
20, WOODEN BUILDINGS, starting with subclass 16 and going through subclass 69 (the subclasses between not being arranged in numerical order) for doors, windows and shutters and parts thereof, and subclass 93, for nail hole plugs.
45, FURNITURE, subclass 91 and indented subclass, for desk lids.
72, MASONRY AND CONCRETE STRUCTURES, subclasses 97–100, for doors, windows and manhole covers.
105, RAILWAY ROLLING STOCK, for closures associated with both passenger and freight cars, particularly subclass 239 and indented subclasses, for dumping cars, subclass 332 and indented subclasses, for convertible open and closed passenger cars and for various other closures or closure combinations, subclass 341 and indented subclass, subclass 343, subclass 348 and indented subclass, subclass 350 and indented subclasses, subclasses 353, 377, 378, 395, 398, subclass 426 and indented subclasses, subclass 437 and indented subclass, subclass 439 and indented subclasses and subclass 450.
108, ROOFS, particularly subclass 16, skylights.
109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 58 and indented subclasses, for safe closures, particularly subclass 64 and indented subclasses.
114, SHIPS, subclass 27 and indented subclasses, for dumping and unloading means for scows, particularly subclass 35 and subclass 36 and indented subclass, for those having side and bottom doors, subclass 47, for floating drydocks with end gates, subclass 116 and indented subclasses, for bulkheads and bulkheads provided with doors, subclass 173 and indented subclasses, for ports, subclass 180, for hawse pipe stoppers and covers, subclass 197, for boat plugs with valves, subclass 201 and indented subclasses, for hatches and covers, and subclass 227 and indented subclasses, for leak stoppers.
135, TENTS, CANOPIES, UMBRELLAS, AND CANES, subclass 14, for tent doors.
150, CLOTH, LEATHER, AND RUBBER RECEPTACLES, particularly the following subclasses which occur in the class list in the order noted:
42 and indented subclasses, closures for portemonnaies and pocketbooks.
15 and indented subclasses and 23 and indented subclasses, for mail bag closures and fasteners.
3 and indented subclasses, for miscellaneous bag closures.
187, ELEVATORS, particularly subclasses:
51 and indented subclasses, for doors.
62 and indented subclasses, for hatch mechanism.
189, METALLIC BUILDING STRUCTURES, particularly subclasses:
7 and indented subclass, for jail door locks with remote operating means.
9 and indented subclass, for jail gratings.
46 and indented subclasses, for doors.
64 and indented subclasses, for windows.
54 and indented subclasses, for shutters.
45, for miscellaneous thermally controlled closures.
82–84, for grilles.
215, BOTTLES AND JARS, subclass 33 and indented subclass, subclass 35 and indented subclass and subclass 37 and indented subclasses.
217, WOODEN RECEPTACLES, subclasses:
56 and indented subclasses, box closures.
76 and indented subclasses, barrel closures.
98 and indented subclasses, barrel bungs.
124, basket closures.
229, PAPER RECEPTACLES, particularly subclasses:
25 and indented subclass, 33, 36, 38 and indented subclass, for folded blank box closures.
43 and indented subclasses, for other box closures.
62 and indented subclasses, for bag closures.
76 and indented subclasses, for envelope closures.
92.5, 92.7, for letter sheet closures.
232, DEPOSIT AND COLLECTION RECEPTACLES, particularly subclasses:
14, change gates.
22, letter boxes combined with door or window.
25 and indented subclass, letter boxes combined with cooperative closures.
42, milk receptacles combined with door or window.
44 and indented subclasses, closures and chutes.
296, LAND VEHICLES, BODIES AND TOPS, particularly subclasses:
44 and indented subclasses, for doors and windows.
50 and indented subclasses, for end gates.
78 and indented subclasses, for storm fronts including windshields.
298, LAND VEHICLES, DUMPING, particularly subclasses 6, 23 and subclass 27 and indented subclasses.
312, SUPPORTS, CABINET STRUCTURES, various subclasses, for closure combinations, and subclass 189 and indented subclasses, for cabinet door and closure constructions.

X. The following are miscellaneous classes, not above mentioned, that have closures combined with other things, closures per se, devices used with closures, and devices not used as closures but having analogous structure, considered worth noting:
2, APPAREL, subclass 38 and indented subclass, for corset closures; subclass 96, for front closures for coats; subclass 128, for shirt closures, subclass 141, for collar closures; subclasses 218 and 219, for placket and waist closures for skirts; subclasses 234 and 235, for trouser closures; subclass 252, for pocket closing attachments; and subclass 270, for sleeve or leg closures.
4, BATHS, CLOSETS, SINKS, AND SPITTOONS, subclasses:
206, closures for bath or basin overflow fittings.
234 and indented subclasses, closet seats combined with covers.
242 and indented subclasses, covers for closet seats.
251, operators for closet seats and covers.
253, closet bowl closures.
255 and indented subclasses, devices for closing openings in closet bowls.
267 and indented subclasses, spittoon covers and operators.
286 and indented subclasses, covers and stoppers and plugs for basins, sinks and tubs.
6, BEE CULTURE, subclass 4, entrances and exits.
14, BRIDGES, subclass 50 and indented subclasses, for gates for draw bridges.
16, MISCELLANEOUS HARDWARE, for various elemental parts of closures.
22, METAL FOUNDING, subclass 148, for stoppers for use in metal ingot and pig molds.
27, UNDERTAKING, subclass 14 and indented subclasses, for coffin lids.
36, BOOTS, SHOES, AND LEGGINGS, subclass 50 and indented subclasses, for closures for shoe uppers.
43, FISHING, TRAPPING, AND VERMIN DESTROYING, subclass 58 and indented subclasses, for trap closures.
49, GLASS, particularly subclasses 86 and 92, for wire glass and other glass sheets.
58, HOROLOGY, particularly subclass 91, for bezels and crystals, and subclass 102, for spring covers.
59, CHAIN, STAPLE, AND HORSESHOE MAKING, subclass 89, for chain links having a pivoted closure.
61, HYDRAULIC AND EARTH ENGINEERING, subclass 8 and indented subclass, for canal locks; subclass 22 and indented subclasses, for water gates; and subclass 85, for shields used in tunnel excavating.
63, JEWELRY, subclass 19, for lockets with hinged covers.
65, KITCHEN AND TABLE ARTICLES, subclasses 16, 59 and 60, for covers for dishes and plates.
68, TEXTILES, FLUID TREATING APPARATUS, subclass 196, for covers for fixed liquid receptacle textile treating machines.
73, MEASURING AND TESTING, subclass 330 and indented subclass and subclass 334, for transparent closure plate type sight glasses.
88, OPTICS, subclass 57.5, for building lights and subclasses 83 and 100, for mirrors associated with windows and doors.

94, ROADS AND PAVEMENTS, subclass 27 and indented subclasses, for side and cross walks which include those providing for light transmission and those having gratings, and subclass 34 and indented subclasses, for vault covers.
95, PHOTOGRAPHY, subclass 53 and indented subclasses, for camera shutters, and subclass 66 and indented subclasses, for plate holders having closures.
98, VENTILATION, for closures of various types having ventilating features and also subclass 101 and indented subclasses, for registers, and subclass 121, for louvers.
116, SIGNALS AND INDICATORS, appropriate subclasses, for non-electrical signals and indicators for closures.
121, MOTORS—EXPANSIBLE-CHAMBER TYPE, subclass 44, for servo-motor type for closures.
131, TOBACCO, particularly subclass 176 and indented subclass and subclasses 206, 215, 223, 228 and 242, for tobacco users' appliances having closures.
136, BATTERIES, subclass 183, for battery closing and sealing means and subclasses 168–170, for battery closures.
138, PIPES AND TUBULAR CONDUITS, subclass 89 and indented subclasses, for closures and plugs, and subclass 98 and indented subclass, for patches.
152, RESILIENT TIRES AND WHEELS, particularly subclass 363 and indented subclass and subclass 365, for pneumatic tire casing closures and flaps; subclass 367 and indented subclasses, for patches; and subclasses 428 and 431, for inflating valve stem cap combinations.
161, TIME CONTROLLING MECHANISM, subclass 26, for camera shutter combinations.
165, DESIGNS, appropriate places, for closure designs.
166, WELLS, subclass 13, for well plugs.
174, ELECTRICITY, CONDUCTORS AND INSULATORS, for closure combinations, particularly subclass 65, subclass 66 and indented subclass, and subclasses 82 and 93.
176, ELECTRIC LAMPS, subclass 36 and indented subclass, for incandescent lamp seals, which may be in the form of caps or plugs.
177, ELECTRIC SIGNALING, appropriate subclasses, for electrical signals for closures.
182, SEWERAGE, particularly subclasses:
24, for closures for liquid seal traps.
30, animal stops applied to sewers.
31, grated inlets to sewers.
184, LUBRICATION, particularly subclasses:
80, for lubricator cups with closure and valve.
88 and indented subclass, for oil cup closures.
192, CLUTCHES AND POWER-STOP CONTROL, subclass 135 and indented subclass, for automatic guards for stop mechanism involving covers.
194, CHECK-CONTROLLED APPARATUS.
197, TYPEWRITING MACHINES, subclass 103, for resilient covers for typewriter keys analogous to closures.
198, CONVEYERS—POWER-DRIVEN, subclass 143, for bucket conveying elements with discharging doors.
200, ELECTRICITY—CIRCUIT MAKERS AND BREAKERS, subclass 54, for door or window sash operated switches.
209, CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS, subclass 372, for closures for sifting bins and casings.
211, SUPPORTS, RACKS, subclasses 76 and 82–84, for receptacle racks having closures or closure operators for the supported receptacles.
212, TRAVERSING HOISTS, subclass 4, for door lifters.
228, LADDERS, subclass 3, for shutters or window guards convertible to ladders.
230, GAS PUMPS AND FANS, subclass 244, for fans combined with doors.
231, WHIPS AND WHIP APPARATUS, subclass 6, for caps analogous to closures.
238, RAILWAYS, SURFACE TRACK, subclasses:
74, 75, 76, for ties in the form of rectangular tubes with separate top and/or bottom plates.
104, for end closures for tubular ties and tie castings.
240, ILLUMINATION, particularly subclasses:
2.13, for door knob or keyhole illuminators.
41.5, 41.55, for casing closures for lanterns.
45 and indented subclasses, 48.2 and indented subclasses, for devices analogous to closures for dimming lanterns.
127, 132 and indented subclass, for socket covers.
151 and indented subclass, for lens holders.
243, PNEUMATIC DISPATCH, subclasses 19–28, for transmission tube terminals many of which have closures; and subclasses 34 and 35, for carriers having side and end openings, usually with closures therefor.
246, RAILWAY SWITCHES AND SIGNALS, particularly subclasses:
(A) 125 and indented subclasses, for closures automatically actuated or controlled from a moving train or vehicle by electrical means.
(B) For actuating means, many of which are for closures:
218 and indented subclasses, electric actuating means.
257 and indented subclasses, fluid motor actuating means, particularly subclass 261.
262 and indented subclass, mechanical motor actuating means.
270 and indented subclasses, vehicle-energy actuating means, particularly subclass 272 and subclass 292 and indented subclasses.
248, SUPPORTS, particularly subclasses 134 and 147, for receptacle stands with closure operating means.
254, PUSHING AND PULLING IMPLEMENTS, subclass 39, for door braces.
259, AGITATING, subclasses 115–125, for covers for agitator receptacles.
285, PIPE JOINTS OR COUPLINGS, particularly subclass 96.6 and indented subclass, for swivel couplings with closures for access openings; subclass 200, for plugs used for uniting pipes; and subclass 213, for elbows with closures for access openings.
294, HANDLING—HAND AND HOIST-LINE IMPLEMENTS, subclass 69 and indented subclasses, for hoist line receptacles with closures.
301, LAND VEHICLES—WHEELS AND AXLES, subclass 108, for hub caps.
303, FLUID-PRESSURE BRAKE AND ANALOGOUS SYSTEMS, subclass 6.1, for such systems for both brake and door.
308, MACHINE ELEMENTS—BEARINGS AND GUIDES, particularly subclasses:
44 and indented subclasses, for closures for car journal boxes.
186, for closures for housings of radial, antifriction bearings.;

and in subclass 66, add note:
(5) Note.—Search Class—
229—PAPER RECEPTACLES, subclass 5.5 and indented subclasses, for end structures.

In *class 223, Apparel Apparatus* (Division 24), subclass 46, under note (1), cancel the reference to class 156.

In *class 232, Deposit and Collection Receptacles* (Division 41), main class definition, add the following note:
(3) Note.—Search Class—
220—METALLIC RECEPTACLES, subclass 24 and indented subclasses and the notes thereto for closures in general.

In *class 235, Registers* (Division 41), subclass 71, change "adding-machines" to *calculating-machines* and change "of" (second occurrence) to or.

In *class 238, Railways, surface Track* (Division 34), in the main class definition, number the note (*1*) and add:
(2) Note.—Tracks for panel hangers and travelers are in class 16, MISCELLANEOUS HARDWARE, subclass 96.

In *class 240, Illumination* (Division 30), main class definition, add note:
(2) Note.—Search Class—
220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.;

in subclass 66 under "Search Classes:", change the reference to class 156 to read:
160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 291 and indented subclasses.;

in subclass 70 under "Search Classes:", change the reference to class 156 to read:
160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 298 and indented subclass.;

and in subclass 71 under "Search Classes:", change the reference to class 156 to read:
160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 313 and indented subclasses.

In *class 242, Winding and Reeling* (Division 61), in the main class definition, under "Search Classes:", insert the following:
24—BUCKLES, BUTTONS, CLASPS, ETC., subclass 71.2 and indented subclass, for devices adapted to be attached to a wire or other line at a point in its length to take up slack and which wind in tightening the line.;

in subclass 55 under "(2) Search Classes:", cancel the reference to class 156 and substitute:
160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 309 and indented subclasses and the places set forth in the notes for roll operating mechanisms for flexible and portable panels.;

and cancel the note to class 189.

In *class 242, Winding and Reeling* (Division 61), subclass 55.3, add the following note:

Note.—**Search Class—**

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 55 and subclass 120 and indented subclasses for combinations of two or more roll type flexible or portable panels.;

in subclass 62, add note:

Note.—**Search Class—**

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 266 and indented subclasses, for roll type flexible or portable panels having fabric guides and edge holders.;

in subclass 68 under "(2) Search Classes:", cancel the note to class 156 and substitute:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, appropriate subclasses, for roll type flexible or portable panels, particularly subclass 238 and indented subclasses and the places set forth in the notes thereto.;

in subclass 72 under "(2) Search Classes:", add the following:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 263, for flexible and portable panels having adjustable dimension rolls.;

in subclass 74 under "(2) Search Classes:", cancel the note to class 156 and substitute:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 382 and indented subclasses, for means for fastening flexible or portable panel fabrics to holders therefor.;

in subclass 76 under "(2) Search Classes:", add the following:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 266 and indented subclasses, for flexible or portable panels having fabric guides or edge holders.;

in subclass 100 under "(2) Search Classes:", cancel the note to class 156 and substitute:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, particularly subclass 252 and indented subclasses, subclass 307 and indented subclass and subclass 319 and indented subclasses, for strand operated roll type flexible or portable panels.;

in subclass 107, number the existing note (*1*) and add:

(2) Note.—**Search Class—**

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, particularly subclass 313 and indented subclasses, for spring operated rollers for flexible and portable panels.;

in subclass 109 under "(2) Search Classes:", cancel the note to class 156 and in subclass 156 under "(2) Search Classes:", cancel the note to class 156 and substitute:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 291 and indented subclasses, for brakes and stops applied to rollers for flexible and portable panels, particularly subclass 298 and indented subclass for friction type.

In *class 245, Wire Fabrics and Structure* (Division 14), subclass 2, number the existing note (*2*) and add:

(1) Note.—Patches are in this subclass (2).

In *class 246, Railway Switches and Signals* (Division 34), main class definition, insert after (7) (*i*):

(8) **Search Class—**

220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In class 248, Supports (Division 52), subclass 208, add the following note:

(3.5) Note.—For window mounted hook type brackets, see this class, subclass 304 and indented subclasses.;

in subclass 214, number the existing note (*1*) and add:

(2) Note.—For bracket devices for hanging flexible panels from a horizontal rod or bar, see class 16, MISCELLANEOUS HARDWARE, subclass 87.2 and the notes appended thereto.;

in subclass 251, add the following notes:

(0.3) Note.—The term curtain rod includes the head rod or pole of Venetian blinds.

(0.7) Note.—This subclass and the indented subclasses take bracket supports for poles where only such structure of the pole is claimed as immediately cooperates with the bracket for mounting purposes. Where, in addition, other features (1) of pole structure, (2) of pole or fabric operating means, (3) of fabric securing means and/or (4) the combination with a fabric (either broadly or specifically) are claimed, the patent is either in class 160 or other appropriate class under the lines set forth in note (3) to the main class definition of class 160.;

in subclass 252, cancel the second sentence of the definition and the note and substitute:

The rods and rollers may be claimed by name, and such structure of the rod and/or roller as is necessary to cooperate with the bracket may be recited.

(1) Note.—Brackets for plural curtain rods only will be found below in subclass 263.

(2) Note.—Where additional specific features of the combination are recited, see class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 89 and indented subclasses, including particularly subclass 108 and indented subclasses, subclass 113 and indented subclasses and subclass 120 and indented subclasses.;

in subclass 261, change note (2) to read:

(2) Note.—Where details of the arrangement of the structure of the pole or rod (other than that necessary to the cooperation of the pole and bracket) is claimed, see class 211, SUPPORTS, RACKS, subclass 105.1 and indented subclasses, where an operator for the pole is claimed, see class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 333 and indented subclasses, where an operator for the fabric is claimed, see class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 340 and indented subclasses, and where the fabric hanging means is included, see class 16, MISCELLANEOUS HARDWARE, subclass 87.2 and indented subclasses.;

in subclass 263, add the following note:

Note.—Where specific details of the rods are claimed, or their specific arrangement is recited, see class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclasses 113 and indented subclasses and 123 and indented subclasses.;

in subclass 266, change the definition and note to read:

266. Brackets as defined in subclass 251 which have provisions for supporting a single roller of the shade roller type. This subclass and the indented subclasses include the roller when so named.

(1) Note.—Where the structure of the roller mounting includes more than the mere mounting of the roller, e. g., means for aiding or permitting the winding of the roller motor, see class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 323 and indented subclasses.

(2) Note.—Class 242, WINDING AND REELING, subclass 73.5, for support devices placed intermediate the length of a roll to engage the fabric wound thereon.;

in subclass 273, in the note, change the reference to class 156 to read:

class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 22, subclass 48 and indented subclasses and subclass 382; and especially subclass 370, for head brackets combined with strand guides.;

in subclass 304, add the following as a second sentence to the definition:

The term "hook" includes a straight or substantially straight rod extending from a bracket base upon or over which an article may be carried or held.;

and add the following note:

(3) Note.—**Search Classes—**

24—BUCKLES, BUTTONS, CLASPS, ETC., subclass 73 and indented subclasses, for similar devices which may be disclosed for use as brackets, which devices are claimed per se and the article supporting hook is claimed in combination with a second fastener, which per se is classifiable in class 24.

211—SUPPORTS, RACKS, subclass 100, for horizontal mutiple rod type supports.;

and in subclass 347, change note (1) to read:

(1) Note.—For weights per se, see class 16, MISCELLANEOUS HARDWARE, subclass 1 and notes (1) and (2) thereunder; also see the classification index under both Weights and Counterweights.

In *class 250, Radiant Energy* (Division 54), subclass 42, note 8, under "Search classes", in the third paragraph, cancel "and 260 . . . methods"; and in subclass 73, in the note, cancel the reference to class 156.

In *class 254, Pushing and Pulling Implements* (Division 61), subclass 141, cancel the note and substitute:

Search Class—

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE.;

in subclass 190, under note (2) in the reference to class 16, Miscellaneous Hardware, add: *subclass 97 and indented subclasses* and cancel the reference to class 156, Curtains, Shades and Screens, and substitute:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, appropriate subclasses, particularly subclass 193, subclass 252 and indented subclasses, subclass 307 and indented subclass, subclass 319 and indented subclasses, subclass 339, subclass 344 and indented subclasses, and subclass 370, for such devices combined with other flexible or portable panel structure.;

in subclass 191, number the existing note (*1*) and add:

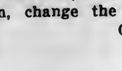
(2) Note.—See class 24, BUCKLES, BUTTONS, CLASPS, ETC., subclass 115 and indented subclasses, particularly subclass 132 and indented subclasses, for cord and rope holders combined with guides.

In *class 259, Agitating*, (Division 32), subclass 125, number the existing note (*1*) and add:

(2) **Search Class—**

220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In *class 260, Chemistry, Carbon Compounds* (Division 50), subclass 787, in the first formula accompanying the definition, change the terminal "CO—CH_3" radical to



In *class 263, Heating* (Division 3), subclass 50, cancel the references to classes 156 and 189 and substitute:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, pertinent subclasses.

189—METALLIC BUILDING STRUCTURES, subclasses 1, 2 and 34.

In *class 265, Force-Measuring* (Division 36), subclass 49, number existing note (*1*) and add:

(2) Note.—See class 16, MISCELLANEOUS HARDWARE, subclass 1, notes (1) and (2) for other weights.

In *class 266, Metallurgical Apparatus* (Division 3), subclass 42, under "Search Class" add:

220—METALLIC RECEPTACLES, subclass 24 and indented subclasses and see the notes thereto for closures in general.

In *class 268, Closure-Operators* (Division 1), main class definition, add the following note:

(0.5) Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for operating means for such type closures where significant features of such type closures in addition to the operating means are claimed.;

in subclass 57, cancel note (2) and substitute:

(2) Note.—**Search Class—**

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, particularly subclass 133 and subclass 238 and indented subclasses.;

and in subclass 60, cancel note (2) and substitute:

(2) Note.—**Search Class—**

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, particularly subclass 130 and indented subclasses and subclass 238 and indented subclasses.

In *class 272, Amusement and Exercising Devices* (Division 57), subclass 81, add the following note:

Note.—Class 16, MISCELLANEOUS HARDWARE, subclass 1, notes (1) and (2) for other weights.

In *class 280, Land Vehicles* (Division 47), subclass 11.19, under "Search class:", add:

16—MISCELLANEOUS HARDWARE, subclass 18 and indented subclasses and subclass 97 and indented subclasses.;

in subclass 152.3, add the following:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for structurally similar devices, not vehicle dust or mud guards, particularly subclass 45 and indented subclasses, for awning type and subclass 130 and indented subclasses, for plural strip, slat or panel type as there defined.;

and in subclass 187, number existing note (*1*) and add:

(2) Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 1, notes (1) and (2) for other weights.

In *class 292, Closure Fasteners* (Division 20), subclass 344, add the following note:

Note.—See class 16, MISCELLANEOUS HARDWARE, subclass 1, notes (1) and (2) for other weights.

In *class 295, Railway Wheels and Axles* (Division 45), in the main class definition, add the following note:

Note.—For wheels for panel hangers and travelers, see class 16, MISCELLANEOUS HARDWARE, subclass 107.

In *class 296, Land Vehicles, Bodies and Tops* (Division 47), main class definition, under "(5) Search Classes:", add:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for (1) panel units in which a flexible fabric or other flexible sheet material forms the panel portion, (2) panel units formed of plural strips, slats or panels interconnected for relative motion (excluding those connected only by a common operator or mounted only in a common frame or on a common support), (3) panel units in the form of portable partitions, and (4) parts (1)–(3) combined with each other or with rigid closures or other panels. Such devices, even though disclosed as parts of land vehicle bodies or tops have been placed in class 160 (with only the exceptions set forth below and in the notes to particular subclasses in class 296).

These exceptions are: (A) where organized to form a vehicle body enclosure, claimed in combination with particular additional features of vehicle body structure (as connections between vehicle top or bottom and sides, body bracing, etc.) or in a particular relation to the vehicle other than merely in a vehicle opening and (B) claimed in combination with vehicle accessories (as windshield wipers, seats, steps, rear view mirrors, etc.).

In all cases where flexible filled fabric frames are solely disclosed, they have been placed in class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, whether or not the fabric has been claimed.

220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.;

in the definition of subclass 44, change "When" to *Doors and windows when* and add the following note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, appropriate subclasses, for land vehicle doors and windows as set forth in the line note in the main class definition of this class (296) except doors having one or more movable windows mounted thereon (frequently for motion to a housed position within the door) and not combined with other flexible and portable panels. Attention is called to class 160, subclass 37, which has flexible or portable panels slidable into a storage chamber.;

in subclass 48, add the following note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 32.;

in subclass 50, add notes:

(1) Note.—See this class, subclass 106.

(2) Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, appropriate subclasses, for end gates as set forth in the line note in the main class definition in this class (296).;

in subclass 53, add note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, particularly subclass 216, for end gates made of slidably interconnected sections to make them removable and subclass 222 and indented subclasses, for the structure of such units per se.;

in subclass 55, add note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, particularly subclass 217, for pivotally interconnected sections mounted for removal from a support and subclass 233 and indented subclass for such units per se with means to prevent relative pivotal motion.;

in subclass 77, add note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 23 and indented subclasses and subclass 238 and indented subclasses, for lap robes wound on rollers where neither the relation to the vehicle nor a combination with other vehicle features is claimed.;

in subclass 78, add note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, appropriate subclasses, for land vehicle storm front shields, aprons and robes, as set forth in the line note in the main class definition of this class (296). Windshields not in the form of flexible or portable panels have been treated as rigid closures or rigid panels and have been placed in class 160 (see particularly subclass 48 and indented subclass and subclass 90 and indented subclasses) only when in combination with a flexible or portable panel.;

in subclass 93, add the following note:

Note.—Search Classes—
20—WOODEN BUILDINGS, subclasses 65–69.
160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 40 and indented subclasses.
189—METALLIC BUILDING STRUCTURES, subclasses 65 and 70.;

in subclass 95, add note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, appropriate subclasses, for auxiliary protectors in the form of flexible and portable panels, as set forth in the line note to the main class definition of this class (296). In class 160, see particularly subclass 48 and indented subclass for windshield and awning type combinations and subclass 90 and indented subclasses, for windshields combined with other forms of flexible or portable panels and subclass 362 for pivoted visors of the flexible and portable panel type.;

in subclass 97, add the following note:

(0.5) Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for glare screens, as set forth in the line note in the main class definition of this class (296); and also glare screens in the form of rigid panels claimed in combination with a flexible or portable panel, which may be an additional glare screen, except (A) where the optical properties of the glare screen are claimed, (B) where the specific location of the glare screen with respect to the car or driver is claimed (the mere recitation that it is mounted on the windshield not being considered a specific location), and (C) where the combination with other vehicle structure (such as the intake manifold, etc.) is claimed.;

in subclass 98, add the following note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 238 and indented subclasses.;

in subclass 106, add the following notes:

(1) Note.—See this class, subclass 50 and indented subclasses.

(2) Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, appropriate subclasses, for end gates as set forth in the line note in the main class definition in this class (296).;

in subclass 108, add the following note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, appropriate subclasses (and particularly subclass 130 and indented subclasses) for interconnected sections, as set forth in the line note in the main class definition in this class (296).;

in subclass 116, add the following note:

Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, especially subclasses 19, 20, 22 and 45 and indented subclasses, for outrigged type devices as set forth in the line note in the main class definition in this class (296).;

in subclass 136, add the following note:

Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 19.;

in subclass 138, add note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for side and rear curtains, as set forth in the line note in the main class definition of this class (296).;

in subclass 139, add note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 102.;

in subclass 140, add note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 19 and indented subclasses.;

in subclass 141, add note.

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 23 and indented subclasses.;

in subclass 145, add note:

Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclasses 180 and 237.

In *class 298, Land Vehicles, Dumping* (Division 45), main class definition, add note:

(4) Note.—Search Class—
220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In *class 301, Land Vehicles—Wheels and Axles* (Division 45), subclass 5, add the following note:

Note.—See class 16, MISCELLANEOUS HARDWARE, subclass 1, notes (1) and (2) for other weights.;

and in subclass 108, add note:

Note.—Search Class—
220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In *class 308, Machine Elements—Bearings and Guides* (Division 45), subclass 3, add the following:

(4) Note.—See class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclasses 31, 118, 159, 172, 194 and indented subclass, 196 and indented subclasses, 259, 260, 266 and indented subclasses and 363, for guides and slides for flexible or portable panels.;

and in subclass 44, number the note (1) and add:

(2) Note.—Search Class—
220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In *class 312, Supports, Cabinet Structures* (Division 8), in the main class definition, add the following note:

(4) Note.—Class 160, CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 19 and indented subclasses, for cabinets solely for housing flexible or portable panels and other appropriate subclasses for flexible or portable panel structure disclosed for use with cabinets, where only so much of the cabinet is claimed as pertains to the mounting of the panel and/or its combination with a rigid closure.;

and in subclass 189, add the following note:

Note.—Search Classes—
160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, for doors and closures (1) in the form of panel units utilising flexible fabrics to form their panel portion, (2) in the form of plural strips, slats or panels interconnected for relative motion (excluding those which are connected only by a common operator or mounted or supported by a common support or in a common frame), and (3) combinations between (1) and (2) or with rigid doors and closures.
220—METALLIC RECEPTACLES, subclass 24 and indented subclasses, and see the notes thereto for closures in general.

In Division 53 abolish class 156, Curtains, Shades and Screens, with its subclass titles and definitions, and establish class 160, Closures, Partitions and Panels, Flexible and Portable, with the following subclasses and definitions, the patents contained therein having been taken for the most part from class 20, Wooden Buildings, subclasses 20 and 29; class 39, Gates, subclasses 10, 13, 27, 49, 50, 80, 85 and 86; class 45, Furniture, subclasses 105 and 106; class 95, Photography, subclass 84; class 156, Curtains, Shades and Screens, all subclasses; class 189, Metallic Building Structures, subclasses 52, 55, 56, 57, 58, 80 and 81; and class 296, Land Vehicles, Bodies and Tops, subclass 54, all abolished in this order; various subclasses in the classes recited above; and various subclasses in classes 98, Ventilation; 105, Railway Rolling Stock; 109, Safes, Bank Protection and Related Devices; 114, Ships; 126, Stoves and Furnaces; 280, Land Vehicles; and 312, Supports, Cabinet Structures.

Note.—Copies of the list of subclass titles, and of the definitions, may be seen in the Search Room and in the Classification Division pending publication.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 20, 1942

[VOL. 543. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 433,275. ELLISON INSULATIONS LIMITED, Birmingham, England. Filed June 22, 1940.

TUFNOL

FOR MATERIALS MADE WHOLLY OR IN PART FROM SYNTHETIC RESINOIDS AND SOLD IN THE FORM OF SHEETS, BLOCKS, TUBES, RODS, AND SHAPED PIECES—NAMELY, ANGLES AND CHANNELS.

Claims use since Apr. 9, 1926.

Ser. No. 453,197. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed May 23, 1942.

Koron

FOR UNPLASTICIZED VINYL RESINS.

Claims use since Mar. 20, 1942.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 454,216. KORET, INC., New York, N. Y. Filed July 14, 1942.

Koretolope

FOR HANDBAGS.

Claims use since June 17, 1942.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 454,186. A. P. DE SANNO & SON, INC., Phoenixville, Pa. Filed July 13, 1942.

TEMPRYTE

FOR ABRASIVES—NAMELY, GRINDING WHEELS AND ABRASIVE WHEELS.

Claims use since July 2, 1942.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 442,896. DISTILLATION PRODUCTS, INC., Rochester, N. Y. Filed Apr. 24, 1941.

FOR HIGH BOILING OILY ESTERS—NAMELY, PHTHALATES, SEBACATES, AMYL PHTHALATE, AMYL SEBACATE, 2-ETHYL HEXYL PHTHALATE, 2-ETHYL HEXYL SEBACATE, AND ALSO VITAMINS, VITAMIN EXTRACTS, DISTILLATES AND CONCENTRATES CONTAINING VITAMINS, ANIMAL OILS, VEGETABLE OILS, EXTRACTS, DISTILLATES OR PORTIONS OF ANIMAL OILS OR VEGETABLE OILS, AND INDICATOR DYES.

DP INC

Claims use since March, 1941, on animal oils, vegetable oils, extracts, distillates or portions of animal oils or vegetable oils; since July, 1940, on indicator dyes; and on the other goods above-mentioned since March 16, 1939.

Ser. No. 452,819. WHITE CAMEL COMPANY, Washington, D. C. Filed May 5, 1942.
Trade-mark consists of the word "Bilobite."

"Bilobite"

FOR CHEMICAL COMPOUND COMPOSED OF SEVERAL INGREDIENTS DESIGNED TO STEP-UP THE CLEANSING PROPERTIES OF SOAP.
Claims use since January, 1939.

Ser. No. 452,894. SEYDEL CHEMICAL COMPANY, Jersey City, N. J. Filed May 8, 1942.

BRINO

FOR CHEMICAL PREPARATION FOR USE IN THE TREATMENT OF FOOD TO RETARD SPOILAGE.
Claims use since Dec. 15, 1940.

Ser. No. 453,449. TABLE ROCK LABORATORIES, INC., Greenville, S. C. Filed June 3, 1942.

TADOL

FOR COD LIVER CONCENTRATE.
Claims use since December, 1941.

Ser. No. 453,481. ALLIED MILLS, INC., Chicago, Ill. Filed June 5, 1942.

SOLECITHIN

FOR VEGETABLE PHOSPHATIDE PREPARATION HAVING REDUCING AND EMULSIFYING PROPERTIES.
Claims use since May 7, 1942.

Ser. No. 453,739. SCHIEFFELIN & Co., New York, N. Y. Filed June 18, 1942.

COLANACO

FOR PHARMACEUTICAL PREPARATION—NAMELY, A MEDICINE FOR COUGHS DUE TO COLDS AND MINOR THROAT AND BRONCHIAL IRRITATIONS.
Claims use since Nov. 10, 1941.

Ser. No. 453,954. HENRI BENDEL, INC., New York, N. Y. Filed June 30, 1942.

checkmate

FOR PERFUMES, TOILET WATER, BEAUTY CREAMS, COLD CREAMS, LIPSTICKS, FACE POWDERS, BODY POWDERS, NAIL POLISHES, NAIL POLISH REMOVERS, COLOGNE, BRILLIANTINE, ROUGE COMPACTS, SACHETS, POWDER COMPACTS, AND SKIN LOTION.
Claims use since Oct. 5, 1940.

Ser. No. 454,222. BARLIN LABORATORIES, Philadelphia, Pa. Filed July 15, 1942.

SYNTHECAST

FOR VOLATILE PREPARATION APPLIED IN FLUID FORM TO LAMINATIONS OF GAUZE BANDAGE AND THE LIKE IN THE PREPARING OF SURGICAL LAMINATED BANDAGE CASTS, PROTECTIVE BANDAGES, SURGICAL DRESSINGS, SPLINTS.
Claims use since July 6, 1942.

Ser. No. 454,471. YALE PRODUCTS INC., New York, N. Y. Filed July 23, 1942.

OCTOMINS

FOR MEDICAL PREPARATION FOR HUMAN CONSUMPTION FOR VITAMIN DEFICIENCY.
Claims use since July 1, 1941.

Ser. No. 454,593. ANIMAL PRODUCTS, INC., Chicago, Ill. Filed July 30, 1942.

FIDAMINS

FOR VITAMIN CAPSULES FOR ANIMALS.
Claims use since Nov. 13, 1940.

Ser. No. 454,664. H. R. NAPP LIMITED, London, England. Filed Aug. 1, 1942.

ABECEDIN

FOR MEDICINAL TONIC PREPARATIONS CONTAINING VITAMINS.
Claims use since Feb. 15, 1939.

Ser No. 454,787. VITA-POWER PRODUCTS CO., INC., New York, N. Y. Filed Aug. 7, 1942.

"VITAPLUS"



FOR POWDER AND PELLETED COMPOSITION TO BE DISSOLVED IN LIQUID FUELS TO IMPROVE THEIR COMBUSTION QUALITIES.
Claims use since Aug. 4, 1942.

Ser. No. 454,912. ALFRED D. MCKELVY COMPANY, Minneapolis, Minn. Filed Aug. 14, 1942.

COMMANDO

FOR TOILET KIT CONTAINING TALCUM POWDER AND HAIR DRESSING.
Claims use since July 6, 1942.

Ser. No. 454,966. ENDO PRODUCTS, INC., New York, N. Y. Filed Aug. 18, 1942.

HEXATIL

FOR SULFUR OINTMENT SKIN PREPARATION.
Claims use since Mar. 15, 1942.

Ser. No. 454,971. C. J. LUKEHART, Trafford, Pa. Filed Aug. 18, 1942.

TRAKEHUL

FOR SCALP RUB.
Claims use since Apr. 2, 1942.

Ser. No. 455,017. ENDO PRODUCTS, INC., New York, N. Y. Filed Aug. 21, 1942.

HYCODAN

FOR A NARCOTIC PREPARATION USED AS AN ANALGESIC AND ANTI-TUSSIVE.
Claims use since Aug. 1, 1942.

Ser. No. 455,050. FREEDA AGAR PRODUCTS, New York, N. Y. Filed Aug. 22, 1942.

NUTRITOSE

Pablets

FOR VITAMIN CAPSULES OR TABLETS.
Claims use since June 5, 1942.

Ser. No. 455,057. WALGREEN CO., Chicago, Ill. Filed Aug. 22, 1942.

THURETS

FOR COATED LAXATIVE PELLETS.
Claims use since August, 1937.

Ser. No. 455,147. VICK CHEMICAL COMPANY, Wilmington, Del. Filed Aug. 27, 1942.

MYOSAN

FOR SKIN ANTISEPTIC.
Claims use since Aug. 10, 1942.

Ser. No. 455,148. VICK CHEMICAL COMPANY, Wilmington, Del. Filed Aug. 27, 1942.

NURSEPTIC

FOR GERMICIDE.
Claims use since Aug. 10, 1942.

Ser. No. 455,479. THE G. F. HARVEY COMPANY, Saratoga Springs, N. Y. Filed Sept. 11, 1942.

OCTAVEE

FOR VITAMIN MEDICINAL PREPARATION.
Claims use since Oct. 9, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 447,921. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Oct. 18, 1941.

RED TOP

FOR FIBROUS INSULATING BOARD, PICTURE MOLD, BASE SCREED, BASE GROUND, CORNER BEAD, METALLIC ARCHES, BASEMENT SASH, AND INSULATING WOOL.
Claims use since August, 1930, as to fibre wallboard and fibre tileboard; since June, 1935, as to picture mold, base screed, base ground, corner bead, metal arches, and basement sash; and since January, 1933, as to insulating wool.

Ser. No. 453,431. THE CELOTEX CORPORATION, Chicago, Ill. Filed June 3, 1942.

CELO-ROOF

The word "Roof" is disclaimed apart from the mark.
FOR HEAT INSULATING BUILDING MATERIALS—NAMELY, INSULATING ROOF UNITS.
Claims use since Jan. 20, 1942.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 453,498. LAWRENCE B. SCOTT, Columbus, Ohio. Filed June 5, 1942.

MASTERLOCK

FOR METALLIC RODS AND ELEMENTS FOR REPAIRING CRACKED AND BROKEN CASTINGS OF STEEL, IRON, OR OTHER METALS.
Claims use since Apr. 8, 1940.

Ser. No. 453,911. CASTALLOY COMPANY, INC., Cambridge, Mass. Filed June 27, 1942.

CASTALLOY

FOR NON-FERROUS CASTINGS.
Claims use since Oct. 8, 1940.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 443,199. JOHN W. MASURY & SON, New York, N. Y. Filed May 2, 1941.



FOR READY-MIXED AND PASTE PAINTS, VARNISHES, PAINT ENAMELS, AND STAINS.
Claims use since January, 1940.

Ser. No. 453,117. NUODEX PRODUCTS CO., INC., Elizabeth, N. J. Filed May 19, 1942.

NUOLATE

FOR DRIERS FOR READY MIXED PAINTS, ENAMELS, VARNISHES, PRINTING INKS, AND COATINGS FOR OIL CLOTH, LINOLEUMS, AND COATED FABRICS, SUCH DRIERS AS ARE USED FOR COATING MATERIALS BEING ALSO USED AS DRIERS FOR CORE OILS SUCH AS ARE USED IN MAKING CORES FOR CASTINGS.
Claims use since May 7, 1942.

Ser. No. 453,881. ROHM & HAAS COMPANY, Philadelphia, Pa. Filed June 25, 1942.

HYDRHOLAC

FOR LACQUER EMULSIONS FOR USE IN LEATHER FINISHING.
Claims use since June 18, 1942.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 452,004. CANNON & WALLER, INCORPORATED, Toledo, Ohio. Filed Mar. 30, 1942.

FORMAL

FOR SMOKING TOBACCO AND CIGARETTES.
Claims use since Feb. 11, 1942.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 455,180. THE FORMICA INSULATION COMPANY, Cincinnati, Ohio. Filed Aug. 29, 1942.

FORMASA

FOR ELECTRICALLY NON-CONDUCTIVE SHOP AND MILL TRUCK WHEELS MADE OF MACERATED MATERIAL.
Claims use since July 2, 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 451,533. HEWLETT-PACKARD COMPANY, Palo Alto, Calif. Filed Mar. 10, 1942.

hp

FOR AUDIO FREQUENCY OSCILLATORS, AUDIO SIGNAL GENERATORS AND SQUARE WAVE GENERATORS.
Claims use since July 7, 1941.

Ser. No. 451,750. BEVERLY OSBORNE, doing business as Chicken in the Rough, Oklahoma City, Okla. Filed Mar. 19, 1942.

CHICKEN IN THE ROUGH

FOR ELECTRICAL SIGNS.
Claims use since September, 1936.

Ser. No. 452,836. GLENN E. PRINTZ, doing business as Printz Electric Company, Detroit, Mich. Filed May 6, 1942.

RED HEAD

FOR MAGNETIC CHUCKS, MAGNETIC PARALLELS, ELECTRIC DEMAGNETIZERS AND ELECTRIC ETCHERS.
Claims use since Dec. 1, 1934.

Ser. No. 454,142. THE MAGNAVOX COMPANY, LTD., Fort Wayne, Ind. Filed July 10, 1942.
Applicant is the owner of Reg. No. 138,059.

MAGNAVOX

FOR ELECTRICAL SOUND-AMPLIFYING DEVICES, LOUD-SPEAKING TELEPHONES, MARINE TELEPHONES, AIRCRAFT-TELEPHONES, DESK-TELEPHONES, AUDION-FREQUENCY-AMPLIFYING CABINETS, CONTROL-BOXES FOR LOUD-SPEAKING TELEPHONES, LOUD-SPEAKING TRANSMITTERS, JUNCTION-BOXES, ANTINOISE-TELEPHONES, AND MASTER-RINGERS FOR MARINE-TELEPHONE EQUIPMENT.
Claims use since May, 1915.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 453,533. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed June 8, 1942.



FOR TENPINS, DUCK PINS, BOWLING BALL BAGS, BOWLING ALLEY RETURNS AND PARTS THEREOF, BOWLING ALLEY BALL STOPS AND PARTS THEREOF, AND NEWEL POSTS FOR BOWLING BALL RACKS.
Claims use since Mar. 8, 1940.

Ser. No. 453,876. ARTHUR W. MORGAN, Yonkers, N. Y. Filed June 25, 1942.

LONG TBALL

The word "Ball" is disclaimed apart from the mark.
FOR GOLF BALLS.
Claims use since 1923.

Ser. No. 453,878. ARTHUR W. MORGAN, Yonkers, N. Y. Filed June 25, 1942.

SCOTTLAND

Applicant disclaims the word "Scotland" apart from the mark.
FOR GOLF BALLS.
Claims use since 1923.

Ser. No. 454,539. VINCENT G. LA FLEUR, Saginaw, Mich. Filed July 27, 1942.

OFFICIAL REGISTER OF HABITUAL DRUNKARDS

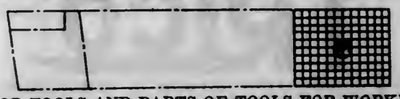
FOR TRICK MIRROR DEVICES.
Claims use since July 6, 1939.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 427,858. VASCOLOY-RAMET CORPORATION, North Chicago, Ill. Filed Jan. 25, 1940.

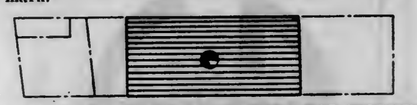
The trade-mark consists of a relatively shallow cap of black covering the end and encircling the tool at the end thereof opposite the working end of the tool, one of the flat colored surfaces having a small circular depression the same color as the cap. The outline representation of the goods is not claimed as part of the mark.



FOR TOOLS AND PARTS OF TOOLS FOR WORKING AND CUTTING METAL AND OTHER MATERIALS—NAMELY, BORING TOOLS OR DRILLS, TURNING OR LATHE TOOLS, SHAPING AND MILLING TOOLS AND SUCH TOOLS EQUIPPED WITH HARD METALLIC INSERTS FOR THE PURPOSE OF WORKING, CUTTING, FORMING OR SHAPING OTHER METALS AND MATERIALS.
Claims use since Oct. 1, 1939.

Ser. No. 427,859. VASCOLOY-RAMET CORPORATION, North Chicago, Ill. Filed Jan. 25, 1940.

The trade-mark consists of a relatively narrow strip or band of blue encircling the tool shank, the band having on one side of the tool a small circular depression the same color as the band. The width of the band is substantially less than the over-all length of the tool, leaving both ends of the tool unmarked. The outline representation of the goods is not claimed as part of the mark.



FOR TOOLS AND PARTS OF TOOLS FOR WORKING AND CUTTING METAL AND OTHER MATERIALS—NAMELY, BORING TOOLS OR DRILLS, TURNING OR LATHE TOOLS, SHAPING AND MILLING TOOLS AND SUCH TOOLS EQUIPPED WITH HARD METALLIC INSERTS FOR THE PURPOSE OF WORKING, CUTTING, FORMING OR SHAPING OTHER METALS AND MATERIALS.
Claims use since Oct. 1, 1939.

Ser. No. 427,860. VASCOLOY-RAMET CORPORATION, North Chicago, Ill. Filed Jan. 25, 1940.

The trade-mark consists of a relatively shallow cap of buff covering the end and encircling the tool at the end thereof opposite the working end of the tool, one of the flat colored surfaces having a small circular depression the same color as the cap. The outline representation of the goods is not claimed as part of the mark.



FOR TOOLS AND PARTS OF TOOLS FOR WORKING AND CUTTING METAL AND OTHER MATERIALS—NAMELY, BORING TOOLS OR DRILLS, TURNING OR LATHE TOOLS, SHAPING AND MILLING TOOLS AND SUCH TOOLS EQUIPPED WITH HARD METALLIC INSERTS FOR THE PURPOSE OF WORKING, CUTTING, FORMING OR SHAPING OTHER METALS AND MATERIALS.
Claims use since Oct. 1, 1939.

Ser. No. 449,614. H. LEACH MACHINERY CO., Providence, R. I. Filed Dec. 19, 1941.
The word "Cut" is disclaimed except as shown.

MAXI-CUT

FOR MILLING AND CUTTING HEADS FOR METAL WORKING MACHINERY.
Claims use since Mar. 1, 1941.

Ser. No. 451,183. TRICO FUSE MFG. CO., Milwaukee, Wis. Filed Feb. 23, 1942.

TRICO

FOR LUBRICATING DEVICES IN THE NATURE OF OIL CUPS FOR MACHINE BEARINGS.
Claims use since Jan. 14, 1933.

Ser. No. 452,140. ADDRESSOGRAPH-MULTIGRAPH CORPORATION, Cleveland, Ohio. Filed Apr. 4, 1942.

ADDRESSOcote

FOR PRINTING DEVICES FOR USE IN ADDRESSING AND SIMILAR MACHINES—NAMELY, PRINTING PLATES BEFORE AND AFTER EMBOSSING FOR USE ALONE, PRINTING PLATES BEFORE AND AFTER EMBOSSING FOR USE IN FRAMES, AND FRAMES FOR SAID PLATES.
Claims use since Nov. 22, 1938.

Ser. No. 453,720. HYDRAULIC CONTROLS, INC., Chicago, Ill. Filed June 17, 1942.
The trade-mark is a conventionalized monogram of the letters H. C.



FOR FLUID CONTROL DEVICES FOR USE IN SYSTEMS FOR THE CONTROL AND ACTUATION OF OTHER MECHANISM BY HYDRAULIC PRESSURE, SUCH DEVICES COMPRISING FLUID PUMPS, VALVES, CYLINDERS, AND ACCESSORIES FOR USE IN CONJUNCTION WITH THE ABOVE PRODUCTS.
Claims use since Sept. 15, 1941.

Ser. No. 454,466. UNITED AIRCRAFT CORPORATION, East Hartford, Conn. Filed July 23, 1942.



FOR INTERNAL COMBUSTION ENGINES FOR AIRCRAFT AND THEIR PARTS.
Claims use since April, 1942.

Ser. No. 454,036. CHERRY-BURRELL CORPORATION, Chicago, Ill. Filed Aug. 17, 1942.

GRA-VAC

FOR CONTAINER FILLING AND CAPPING MACHINERY.
Claims use since May, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 450,360. KIMBLE GLASS COMPANY, Vineland, N. J. Filed Jan. 21, 1942.

NEUTRAGLAS

FOR CHEMICAL, SCIENTIFIC, AND LABORATORY GLASSWARE—NAMELY, GLASS DISTILLATION APPARATUS, GLASS LIQUID AND GAS ABSORPTION APPARATUS, GLASS VESSELS FOR GRAVIMETRIC AND VOLUMETRIC MEASUREMENTS, GLASS GAUGE TUBES, GLASS EXTRACTION APPARATUS, GLASS FILTERING AND SEPARATING APPARATUS, GLASS MEASURING INSTRUMENTS, GLASS SLIDES USED IN MICROSCOPIC WORK, GLASS PRISMS FOR SCIENTIFIC USE, GLASS TEST AND CULTURE TUBES, AND GLASS HYDROMETERS.
Claims use since Dec. 4, 1941.

Ser. No. 451,441. KIMBLE GLASS COMPANY, Vineland, N. J. Filed Mar. 6, 1942.

N-51-A

FOR CHEMICAL, SCIENTIFIC, AND LABORATORY GLASSWARE—NAMELY, GLASS DISTILLATION APPARATUS, GLASS LIQUID AND GAS ABSORPTION APPARATUS, GLASS VESSELS FOR GRAVIMETRIC AND VOLUMETRIC MEASUREMENTS, GLASS GAUGE TUBES, GLASS EXTRACTION APPARATUS, GLASS FILTERING AND SEPARATING APPARATUS, GLASS MEASURING INSTRUMENTS, GLASS SLIDES USED IN MICROSCOPIC WORK, GLASS PRISMS FOR SCIENTIFIC USE, GLASS TEST AND CULTURE TUBES, AND GLASS HYDROMETERS.
Claims use since Dec. 28, 1941.

Ser. No. 451,444. KIMBLE GLASS COMPANY, Vineland, N. J. Filed Mar. 6, 1942.

NC

FOR CHEMICAL, SCIENTIFIC, AND LABORATORY GLASSWARE—NAMELY, GLASS DISTILLATION APPARATUS, GLASS LIQUID AND GAS ABSORPTION APPARATUS, GLASS VESSELS FOR GRAVIMETRIC AND VOLUMETRIC MEASUREMENTS, GLASS GAUGE TUBES, GLASS EXTRACTION APPARATUS, GLASS FILTERING AND SEPARATING APPARATUS, GLASS MEASURING INSTRUMENTS, GLASS SLIDES USED IN MICROSCOPIC WORK, GLASS PRISMS FOR SCIENTIFIC USE, GLASS TEST AND CULTURE TUBES, AND GLASS HYDROMETERS.
Claims use since Feb. 11, 1926.

Ser. No. 454,510. POLAROID CORPORATION, Cambridge, Mass. Filed July 25, 1942.

POLAROID

Applicant is the owner of registrations Nos. 337,404, 360,956, 362,756, 388,047, 388,251, 388,721, 388,722, 391,449, and 394,030.
FOR VIEWING DEVICES—NAMELY, FILTERS. LENSES, EYEGLASSES, AND GOGGLES.
Claims use on filters and lenses since November, 1935; on eyeglasses since July, 1936; and on goggles since December, 1937.

Ser. No. 454,654. FALCON TOOL CO., Detroit, Mich. Filed Aug. 1, 1942.



FOR GAGES—NAMELY, PROFILE GAGES, SNAP GAGES, PLUG GAGES, LENGTH GAGES, WIDTH GAGES, AND FLUSH PIN GAGES.
Claims use since July 1, 1942.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 454,383. TRABERT & HOEFFER INC., New York, N. Y. Filed July 21, 1942.

Catherine the Great
Emeralds.

The word "Emeralds" is disclaimed apart from the mark as shown.
FOR EMERALDS AND PRECIOUS STONES.
Claims use since Feb. 18, 1941.

CLASS 33

GLASSWARE

Ser. No. 451,442. KIMBLE GLASS COMPANY, Vineland, N. J. Filed Mar. 6, 1942.

N-51-A

FOR GLASS RODS, GLASS TUBING, AND GLASS CONTAINERS—NAMELY, JARS, DISHES, AND BOTTLES, INCLUDING AMPOULES AND OTHER VIALS, AND FLASKS.
Claims use since Dec. 28, 1941.

Ser. No. 451,445. KIMBLE GLASS COMPANY, Vineland, N. J. Filed Mar. 6, 1942.

NC

FOR GLASS RODS, GLASS TUBING, AND GLASS CONTAINERS—NAMELY, JARS, DISHES, AND BOTTLES, INCLUDING AMPOULES AND OTHER VIALS, AND FLASKS.
Claims use since Feb. 11, 1926.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 455,233. HYDRAULIC DEVELOPMENT CORPORATION, Medford and West Medford, Mass. Filed Sept. 1, 1942.

FIBREX

FOR PIPE-JOINT PACKING MATERIAL.
Claims use since July 22, 1942.

CLASS 37

PAPER AND STATIONERY

Ser. No. 453,745. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed June 19, 1942. Under the act of February 20, 1905, as amended June 10, 1938.

CLARIFOIL

FOR TRANSPARENT OR TRANSLUCENT WRAPPING AND PACKING MATERIAL.
Claims use since June 16, 1942.

Ser. No. 453,782. THE H. E. SMITH COMPANY, Newark, N. J. Filed June 20, 1942.

CELLOBLU

FOR STENCILS.
Claims use since June 12, 1942.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 433,762. THE STANDARD REGISTER COMPANY, Dayton, Ohio. Filed July 8, 1940.

FORMCRAFT

FOR HAND DRAWN ILLUSTRATIONS, SKETCHES, LAYOUTS, AND DESIGNS FOR PRINTED MATTER AND PRINTED REPRODUCTIONS THEREOF PREPARED BY THE APPLICANT AND SOLD TO THE TRADE AS SUCH.
Claims use since Aug. 11, 1938.

Ser. No. 439,231. LOOK, INC., Des Moines, Iowa. Filed Dec. 27, 1940.



No claim is made to the words "Foods That Men Like" apart from the mark.
FOR SECTION OF A MAGAZINE.
Claims use since Dec. 17, 1940.

Ser. No. 451,587. R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 9, 1942. Under section 5b of the act of 1905 as amended in 1920 as to "Macy's."
Applicant is the owner of Reg. No. 78,333, effected under the 10-year proviso of the act of February 20, 1905. No claim is made to the words "Book Club" except as shown.

MACY'S
RED STAR
BOOK CLUB

FOR BOOK LISTS PUBLISHED FROM TIME TO TIME.
Claims use since Mar. 14, 1938.

Ser. No. 455,252. COUNCIL PUBLICATIONS, INC., Minneapolis, Minn. Filed Sept. 2, 1942.

Poise

FOR PERIODICAL.
Claims use since Feb. 1, 1942.

CLASS 39

CLOTHING

Ser. No. 446,446. EDWARD S. PRANSKY, doing business as Weldclo Manufacturing Company, Philadelphia, Pa. Filed Aug. 21, 1941.

"WELDCLO"

FOR COATS, CAPE-BIB SLEEVES, CAPE SLEEVES, PANTS, OVERALLS, SLEEVES, APRONS, SPATS, GLOVES OF LEATHER, MITTENS OF LEATHER OR DUCK, CANVAS AND ASBESTOS.
Claims use since Jan. 1, 1941.

Ser. No. 448,208. C. STILLITZ, London, England. Filed Oct. 28, 1941.

"Koneray"

FOR ARTICLES OF CLOTHING—NAMELY, WOMEN'S SKIRTS AND TUNICS OR SLIPS, CHIEFLY WORN BY CHILDREN OR YOUNG GIRLS.
Claims use since Mar. 8, 1940.

Ser. No. 451,449. NORTHERN RUBBER COMPANY, LTD., Guelph, Ontario, Canada. Filed Mar. 6, 1942.

BAR-FLEX

FOR SHOES MADE OF LEATHER, RUBBER, CANVAS, OR COMBINATIONS THEREOF.
Claims use since Aug. 1, 1939.

Ser. No. 454,171. KANNER-WALD INC., South Norwalk, Conn. Filed July 11, 1942.
No claim is made to the word "Henley" except as shown.



FOR MEN'S HATS.
Claims use since Feb. 1, 1939.

Ser. No. 454,558. LUCILLE OF HOLLYWOOD, INC., Los Angeles, Calif. Filed July 28, 1942.

Wisp-O-Youth

FOR BRASSIÈRES.
Claims use since Jan. 1, 1940.

Ser. No. 454,570. BACMO POSTMAN CORPORATION, New York, N. Y. Filed July 29, 1942.

The VOLUNTEER
by Bacmo

FOR LADIES', CHILDREN'S, AND MEN'S GLOVES MADE OF LEATHER, FABRICS, OR COMBINATIONS THEREOF.
Claims use since June, 1942.

Ser. No. 454,673. SIEGFRIED SUSSKIND, doing business as Susskind Glove Co., Cincinnati, Ohio. Filed Aug. 1, 1942.



FOR GLOVES MADE OF LEATHER AND/OR FABRIC.
Claims use since May 15, 1942.

Ser. No. 454,725. SUSSBERG & FEINBERG, INC., New York, N. Y. Filed Aug. 4, 1942.
No claim being made to the exclusive use of the word "Modelle" apart from the mark as shown.

MODELLE
by RADELLE

FOR WOMEN'S AND MISSES' LINGERIE—NAMELY, SLIPS, NIGHTGOWNS, PANTIES, PAJAMAS, AND CHEMISES.
Claims use since July 30, 1942.

Ser. No. 454,767. E. P. REED & CO., Rochester, N. Y. Filed Aug. 6, 1942.
Applicant disclaims the word "Tread" apart from the mark as shown.

TANK-TREAD

FOR SHOES MADE OF LEATHER OR FABRIC, OR OF COMBINATIONS OF LEATHER AND FABRIC.
Claims use since July 17, 1942.

Ser. No. 454,777. JOHN FREDERICKS, INC., New York, N. Y. Filed Aug. 7, 1942.

Johnny Jeep

FOR WOMEN'S AND MISSES' HATS.
Claims use since July 1, 1942.

Ser. No. 454,783. THE SHIRTCRAFT COMPANY, INC., Baltimore, Md. Filed Aug. 7, 1942.

SHIRTCRAFT

FOR WOMEN'S DICKEYS.
Claims use since July 10, 1942.

Ser. No. 455,089. C. B. SHANE CORPORATION, Chicago, Ill. Filed Aug. 24, 1942.

Beaumal

FOR MEN'S, BOYS', WOMEN'S, AND GIRLS' OVERCOATS AND TOPCOATS.
Claims use on overcoats and topcoats for men and boys since August, 1921; and for women and girls since February, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 454,656. GARRITY NOVELTIES, INCORPORATED, Medford, Mass. Filed Aug. 1, 1942.
Applicant disclaims the word "Waver" apart from the mark as shown.

WONDER-WAVER

FOR NON-ELECTRICAL HAIR WAVERS, HAIR CURLERS, AND HAIR CRIMPERS.
Claims use since Jan. 6, 1921.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 454,745. ESTATE OF OTTO TIMME, DECEASED, doing business as E. F. Timme & Son, New York, N. Y. Filed Aug. 5, 1942.
The words "Cord" and "A Timme Fabric" are disclaimed apart from the mark.

Cord-Ro
A TIMME FABRIC

FOR PILE FABRICS IN THE PIECE.
Claims use since July 1, 1942.

Ser. No. 454,746. ESTATE OF OTTO TIMME, DECEASED, doing business as E. F. Timme & Son, New York, N. Y. Filed Aug. 5, 1942.

The words "A Timme Tuft" are disclaimed apart from the mark.



FOR PILE FABRICS IN THE PIECE.
Claims use since December, 1938.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 451,443. KIMBLE GLASS COMPANY, Vineland, N. J. Filed Mar. 6, 1942.

N-51-A

FOR GLASS PRODUCTS — NAMELY, MEDICINE GLASSES, MEDICINE DROPPERS, NASAL DOUCHES, NIPPLE SHIELDS, DENTAL SYRINGES, URETHRAL SYRINGES, FOUNTAIN SYRINGES, EAR AND ULCER SYRINGES, RECTAL SYRINGES, BLOOD AND URINE ANALYSIS GLASSWARE, URINALS, RECTAL, INTESTINAL, AND VAGINAL IRRIGATING NOZZLES, CATHETERS, CATHETER HOLDERS, AND SALINE TUBES.
Claims use since Dec. 28, 1941.

Ser. No. 451,446. KIMBLE GLASS COMPANY, Vineland, N. J. Filed Mar. 6, 1942.

NC

FOR GLASS PRODUCTS — NAMELY, MEDICINE GLASSES, MEDICINE DROPPERS, NASAL DOUCHES, NIPPLE SHIELDS, DENTAL SYRINGES, URETHRAL SYRINGES, FOUNTAIN SYRINGES, EAR AND ULCER SYRINGES, RECTAL SYRINGES, BLOOD AND URINE ANALYSIS GLASSWARE, URINALS, RECTAL, INTESTINAL, AND VAGINAL IRRIGATING NOZZLES, CATHETERS, CATHETER HOLDERS, AND SALINE TUBES.
Claims use since Feb. 11, 1926.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 453,983. IDRIS LTD., London, England. Filed July 1, 1942.

IDRIS

FOR QUININE WATER, SODA WATER, AND GINGER BEER.
Claims use since Aug. 13, 1874.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 452,569. G. ROSSANO & BRO. INC., New York, N. Y. Filed Apr. 24, 1942.



FOR DRIED LENTILS, CANNED TOMATO PASTE, CANNED PEAS, CANNED PEELED TOMATOES, CANNED RIPE OLIVES, MACARONI, CANNED PEELED TOMATOES WITH TOMATO SAUCE AND BASIL LEAF AND OLIVE OIL.
Claims use since 1926 on dried lentils; since 1925 on canned tomato paste; since 1931 on canned peas; since 1925 on canned peeled tomatoes; since 1928 on canned ripe olives; since 1927 on macaroni; since 1925 on canned peeled tomatoes with tomato sauce and basil leaf; and since Feb. 26, 1917, on olive oil.

Ser. No. 453,263. CANNERS EXCHANGE, INC., Springfield, Mo. Filed May 26, 1942.

Staff-o-Life

FOR CANNED VEGETABLES AND CANNED BLACKBERRIES.
Claims use since 1935.

Ser. No. 453,302. HOUSEHOLD PRODUCTS CO., Chicago, Ill. Filed May 27, 1942.

REALM

FOR CANNED APRICOTS, CANNED BEANS, CANNED BEETS, CANNED CARROTS, CANNED CARROTS AND PEAS, CANE AND MAPLE SYRUP, IMITATION FLAVORING EXTRACTS FOR FOOD PURPOSES, WHEAT FLOUR, BREAKFAST SAUSAGE, CANNED MUSTARD GREENS, OLIVES, CANNED PEACHES, CANNED PEAS, CANNED PEARS, CANNED PILCHARD FISH, CANNED PINEAPPLE, PREPARED SPAGHETTI, SANDWICH SPREAD, CANNED TUNA FLAKES, CANNED SPICES, CANNED PORK AND BEANS, SALTED SMOKED CODFISH, AND CANNED CODFISH CAKES.
Claims use since Nov. 28, 1932.

Ser. No. 454,531. CERTIFIED EXTRACTS, INC., New York, N. Y. Filed July 27, 1942.

CAKEX

FOR IMITATION VANILLA FLAVOR FOR USE IN FOODS.
Claims use since July 2, 1942.

Ser. No. 454,702. THE SOUTHERN COTTON OIL COMPANY, New Orleans, La. Filed Aug. 3, 1942.

TAVOL

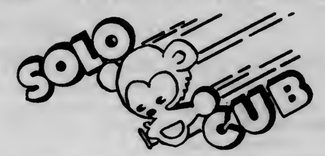
FOR IMITATION OLIVE OIL.
Claims use since Apr. 27, 1942.

Ser. No. 455,095. WESTERN GROCER COMPANY, also doing business as Western Grocer Mills, Marshalltown, Iowa. Filed Aug. 24, 1942.

DURATION

FOR COFFEE.
Claims use since July 24, 1942.

Ser. No. 455,210. SAFEWAY STORES, INC., OF NEVADA, doing business as Table Products Co., Reno, Nev., and Oakland, Calif. Filed Aug. 31, 1942.



FOR CANDY BARS.
Claims use since Apr. 9, 1941.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 448,969. FOX HEAD WAUKESHA CORPORATION, Waukesha, Wis. Filed Nov. 27, 1941.



FOR LAGER AND PALE BEER.
Claims use since 1895.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 20, 1942

398,229. CIGARETTE CASES MADE WHOLLY OR PARTLY OF PRECIOUS METAL. MARATHON COMPANY, Attleboro, Mass.
Filed June 28, 1939. Serial No. 421,046. PUBLISHED AUGUST 11, 1942. Class 28.

398,230. FRESH VEGETABLES. AL. MASSERA, Watsonville, Calif.
Filed August 1, 1939. Serial No. 422,176. PUBLISHED OCTOBER 31, 1939. Class 46.

398,231. FACIAL CREAMS. FAREL DESTIN, INC., New York, N. Y.
Filed March 25, 1940. Serial No. 429,935. PUBLISHED AUGUST 11, 1942. Class 6.

398,232. BREAD AND ROLLS. INTERSTATE BAKERIES CORPORATION, doing business as Schulze Baking Company, Kansas City, Mo., Cincinnati, Ohio, Omaha, Nebr., Grand Rapids, Mich., Des Moines, Iowa, and Chicago, Peoria, and Springfield, Ill.
Filed May 6, 1940. Serial No. 431,609. PUBLISHED AUGUST 11, 1942. Class 46.

398,233. GLASS RODS, GLASS TUBING, AND GLASS CONTAINERS—NAMELY, BEAKERS, JARS, DISHES, AND BOTTLES, INCLUDING AMPOULES AND OTHER VIALS, AND FLASKS. KIMBLE GLASS COMPANY, Vineland, N. J.
Filed June 4, 1940. Serial No. 432,640. PUBLISHED APRIL 8, 1941. Class 33.

398,234. WOMEN'S AND MISSES' HOUSECOATS. PAULINE KARP, St. Paul, Minn.
Filed January 31, 1941. Serial No. 440,165. PUBLISHED APRIL 8, 1941. Class 39.

398,235. CHILDREN'S SHOES MADE OF LEATHER, FABRIC AND RUBBER AND COMBINATIONS OF SUCH MATERIALS. ETTELBRICK SHOE COMPANY, Greenup, Ill., assignor to Step Master Shoes Incorporated, Greenup, Ill., a corporation of Illinois.
Filed March 6, 1941. Serial No. 441,282. PUBLISHED MAY 13, 1941. Class 39.

398,236. WOMEN'S AND GIRLS' WEARING APPAREL—NAMELY, COATS AND TOPCOATS. GREENSPOON CLOTHING CO., INC., St. Louis, Mo.
Filed March 14, 1941. Serial No. 441,536. PUBLISHED MAY 13, 1941. Class 39.

398,237. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed March 14, 1941. Serial No. 441,544. PUBLISHED AUGUST 4, 1942. Class 40.

398,238. FRESH CITRUS FRUITS. REDLANDS ORANGEDALE ASSOCIATION, Redlands, Calif.
Filed March 21, 1941. Serial No. 441,788. PUBLISHED AUGUST 11, 1942. Class 46.

398,239. CUTICLE LIQUID. TAYLOR-FREEMAN-STANLEY, INCORPORATED, New York, N. Y.
Filed April 14, 1941. Serial No. 442,577. PUBLISHED MAY 27, 1941. Class 6.

398,240. HAIR TONIC. KATE FOLLANSBEE, Tacoma, Wash.
Filed January 24, 1941. Serial No. 443,383. PUBLISHED AUGUST 11, 1942. Class 6.

398,241. ALARM CLOCKS. KATZ DRUG COMPANY, Kansas City, Mo.
Filed May 21, 1941. Serial No. 443,769. PUBLISHED AUGUST 11, 1942. Class 27.

398,242. COAL TAR COLORS. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed June 5, 1941. Serial No. 444,235. PUBLISHED AUGUST 11, 1942. Class 6.

398,243. COAL TAR COLORS. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed June 5, 1941. Serial No. 444,236. PUBLISHED AUGUST 11, 1942. Class 6.

398,244. CHEMICAL SUBSTANCES USED IN INDUSTRY FOR THE TREATMENT OF TEXTILE MATERIALS, SUCH AS FINISHING, BRIGHTENING, LEVELLING, SCROOPING AGENTS. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed June 5, 1941. Serial No. 444,237. PUBLISHED AUGUST 11, 1942. Class 6.

398,245. MEN'S SUSPENDERS, BRACES, GARTERS, AND TROUSER BELTS. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed June 16, 1941. Serial No. 444,580. PUBLISHED AUGUST 4, 1942. Class 39.

398,246. VITAMIN-MINERAL SUPPLEMENT FOR HORSES IN TRAINING. U. S. VITAMIN CORPORATION, New York, N. Y.
Filed June 17, 1941. Serial No. 444,620. PUBLISHED AUGUST 5, 1941. Class 6.

398,247. PLASTIC TRIM FOR EDGING AND RELATED PURPOSES IN THE FORM OF EXTRUDED PLASTIC STRIPS. EXTRUDED PLASTICS, INC., Norwalk, Conn.
Filed June 19, 1941. Serial No. 444,668. PUBLISHED AUGUST 11, 1942. Class 50.

398,248. WOMEN'S AND MISSES' HOUSE COATS AND BREAKFAST COATS. VANITY FAIR SILK MILLS, Reading, Pa.
Filed August 2, 1941. Serial No. 445,906. PUBLISHED NOVEMBER 11, 1941. Class 39.

398,249. OPHTHALMIC OINTMENT FOR USE IN THE LOCAL TREATMENT OF THE EYE. WHITE LABORATORIES, INC., Newark, N. J.
Filed August 27, 1941. Serial No. 446,604. PUBLISHED NOVEMBER 4, 1941. Class 6.

398,250. BOYS' RAINCOATS. SPATZ BROS., INC., New York, N. Y.
Filed September 4, 1941. Serial No. 446,784. PUBLISHED MARCH 10, 1942. Class 39.

398,251. SYRUP MOLASSES. THE NULOMOLINE COMPANY, New York, N. Y.
Filed September 26, 1941. Serial No. 447,347. PUBLISHED AUGUST 11, 1942. Class 46.

398,252. FLOOR OILS, SPRAY OILS, AND CEDAR AND WAX SPRAYS AND LIKE PREPARATIONS FOR SETTLING DUST, ETC. MASURY-YOUNG COMPANY, Charlestown, Mass.
Filed November 1, 1941. Serial No. 448,328. PUBLISHED AUGUST 11, 1942. Class 4.

398,253. MEDICINAL PREPARATION TO BE TAKEN INTERNALLY IN CASES WHEREIN HIGH BLOOD PRESSURE IS INDICATED. GRENOR PHARMACEUTICALS, INC., Jersey City, N. J.
Filed November 7, 1941. Serial No. 448,452. PUBLISHED AUGUST 11, 1942. Class 6.

398,254. INSECTICIDES. CHARLES G. ENGE, also doing business as Western Chemical Company, New York, N. Y.
Filed November 14, 1941. Serial No. 448,633. PUBLISHED MARCH 10, 1942. Class 6.

398,255. HANDKERCHIEFS. THE MANHATTAN SHIRT COMPANY, New York, N. Y.
Filed November 22, 1941. Serial No. 448,830. PUBLISHED AUGUST 4, 1942. Class 39.

398,256. MEDICINAL PREPARATION CONTAINING VITAMINS INDICATED FOR USE IN THE PREVENTION OR TREATMENT OF VITAMIN DEFICIENCIES. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed December 13, 1941. Serial No. 449,456. PUBLISHED FEBRUARY 17, 1942. Class 6.

398,257. PEAT MOSS. LONE STAR PEAT MOSS COMPANY, Dallas, Tex.
Filed January 21, 1942. Serial No. 450,368. PUBLISHED APRIL 7, 1942. Class 1.

398,258. GOLF BALLS. IRA D. MALBROUGH, JR., Chicago, Ill.
Filed January 22, 1942. Serial No. 450,398. PUBLISHED AUGUST 11, 1942. Class 22.

398,259. FILTER PAPER. CHEMEX CORPORATION, New York, N. Y.
Filed February 7, 1942. Serial No. 450,827. PUBLISHED AUGUST 11, 1942. Class 31.

398,260. AQUEOUS SOLUTIONS OF CASEIN WITH ADDED CHEMICAL INGREDIENTS FOR USE IN COATING PAPER AND PAPER BOARD SURFACES TO RENDER PAPER AND PAPER BOARD SURFACES GREASE RESISTANT, WATER RESISTANT AND WRINKLE RESISTANT. THE BORDEN COMPANY, New York, N. Y.
Filed February 18, 1942. Serial No. 451,045. PUBLISHED AUGUST 11, 1942. Class 6.

398,261. HOG WATERERS. H. D. HUDSON MANUFACTURING COMPANY, Minneapolis, Minn.
Filed February 19, 1942. Serial No. 451,082. PUBLISHED AUGUST 11, 1942. Class 50.

398,262. PIECE GOODS OF SILK, RAYON, AND COTTON, AND MIXTURES THEREOF. CAPITOL PIECE DYE WORKS INC., New York and Garnerville, N. Y.
Filed February 20, 1942. Serial No. 451,102. PUBLISHED JUNE 30, 1942. Class 42.

398,263. WOOLLEN AND WORSTED YARNS. WOOL INDUSTRIES RESEARCH ASSOCIATION, Leeds, England.
Filed March 2, 1942. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 451,356. PUBLISHED AUGUST 11, 1942. Class 43.

398,264. NON-ALCOHOLIC BEVERAGES, CONCENTRATED SYRUPS AND FLAVORS. CADILLAC GINGER ALE CO., Detroit, Mich.
Filed March 9, 1942. Serial No. 451,486. PUBLISHED AUGUST 11, 1942. Class 45.

398,265. RUST AND CORROSION PREVENTIVE COMPOUNDS. E. F. HOUGHTON & CO., Philadelphia, Pa.
Filed March 17, 1942. Serial No. 451,677. PUBLISHED AUGUST 11, 1942. Class 6.

398,266. FERROUS METALS AND FERROUS METAL ALLOYS AND VANADIUM AND VANADIUM ALLOYS. CONTINENTAL ORE CORPORATION, New York, N. Y.
Filed March 30, 1942. Serial No. 452,006. PUBLISHED AUGUST 11, 1942. Class 14.

398,267. RECTAL AND STOMACH TUBES, ICE CAPS AND BAGS, THROAT BAGS, ATOMIZERS, ETC. NORBERTO G. FUENTES, doing business as Prestige Rubber Co., New York, N. Y.
Filed March 31, 1942. Serial No. 452,040. PUBLISHED AUGUST 11, 1942. Class 44.

398,268. MEN'S AND BOYS' OVERALLS, JUMPERS, WORK-PANTS, WORK-SHIRTS, AND MEN'S AND BOYS' BLOUSES. LEE MANUFACTURING COMPANY, INC., Shreveport, La.
Filed April 7, 1942. Serial No. 452,194. PUBLISHED JULY 28, 1942. Class 39.

398,269. HANDBAGS AND PURSES. ROYAL BEAD NOVELTY CO. INC., New York, N. Y.
Filed April 9, 1942. Serial No. 452,254. PUBLISHED JUNE 2, 1942. Class 3.

398,270. SANDWICHES. ELMER G. MUNZ, Detroit, Mich.
Filed April 10, 1942. Serial No. 452,272. PUBLISHED AUGUST 11, 1942. Class 46.

398,271. LADIES' AND MISSES' SLIPS AND PANTIES. MELODEE-LANE LINGERIE, INC., New York, N. Y.
Filed April 15, 1942. Serial No. 452,360. PUBLISHED JUNE 23, 1942. Class 39.

398,272. YARNS MADE OF SILK, RAYON, WOOL, AND COTTON, AND MIXTURES THEREOF. BERNHARD ALTMANN, New York, N. Y.
Filed April 16, 1942. Serial No. 452,370. PUBLISHED AUGUST 4, 1942. Class 43.

398,273. HAIR PINS, COMBS, WIGS, AND TOUPEES. BENJAMIN GUZOFSKY, doing business as Ben-Gee Sales Company, New York, N. Y.
Filed April 16, 1942. Serial No. 452,378. PUBLISHED AUGUST 11, 1942. Class 40.

398,274. NECKLACES, BRACELETS, AND EARRINGS OF SIMULATED PEARL BEADS. ROYAL BEAD NOVELTY CO., INC., New York, N. Y.
Filed April 18, 1942. Serial No. 452,435. PUBLISHED AUGUST 11, 1942. Class 28.

398,275. TEXTILE FABRICS IN THE PIECE OF RAYON. FRIEDMAN REISS, INC., New York, N. Y.
Filed April 21, 1942. Serial No. 452,470. PUBLISHED AUGUST 11, 1942. Class 42.

398,276. BLANKETS, COUCH THROWS, AUTO ROBES, STEAMER RUGS, AND MACKINAW CLOTH, SNOW CLOTH, AND SKI CLOTH ALL IN THE PIECE, FLANNEL AND CASSIMERE PIECE GOODS, ETC. NORTH STAR WOOLEN MILL COMPANY, Minneapolis, Minn.
Filed April 21, 1942. Serial No. 452,482. PUBLISHED AUGUST 11, 1942. Class 42.

398,277. BATHING TURBANS AND BIBS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed April 22, 1942. Serial No. 452,501. PUBLISHED AUGUST 4, 1942. Class 39.

398,278. SETS SOLD AS A UNIT COMPRISING HANDKERCHIEFS AND PERFUME. AVON PRODUCTS, INC., New York, N. Y.
Filed April 29, 1942. Serial No. 452,665. PUBLISHED AUGUST 11, 1942. Class 50.

398,279. WORSTED AND WOOLEN PIECE GOODS. PACIFIC MILLS, Boston, Mass.
Filed April 30, 1942. Serial No. 452,696. PUBLISHED AUGUST 11, 1942. Class 42.

398,280. PIECE GOODS OF COTTON, LINEN, SILK, RAYON, WOOL, AND MIXTURES THEREOF, HAVING A WATER-REPELLENT FINISH. SAYLES FINISHING PLANTS, INC., Saylesville, R. I.
Filed May 6, 1942. Serial No. 452,839. PUBLISHED AUGUST 11, 1942. Class 42.

398,281. PERSPECTIVE CHART TO BE PLACED BENEATH THE PAPER UPON WHICH A DRAWING IS TO BE MADE. JACQUES SCHWEFEL, Toledo, Ohio.
Filed May 7, 1942. Serial No. 452,870. PUBLISHED AUGUST 11, 1942. Class 26.

398,282. MEN'S AND YOUNG MEN'S SUITS, TOPCOATS, AND OVERCOATS. H. DAROFF & SONS, INC., Philadelphia, Pa.
Filed May 13, 1942. Serial No. 452,978. PUBLISHED JULY 28, 1942. Class 39.

398,283. MINIATURE PHONOGRAPH RECORDS. PIX RECORDS, New York, N. Y.
Filed May 18, 1942. Serial No. 453,088. PUBLISHED AUGUST 11, 1942. Class 36.

398,284. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. STERLING HOSIERY COMPANY, Chicago, Ill.
Filed May 18, 1942. Serial No. 453,093. PUBLISHED JULY 28, 1942. Class 39.

398,285. BOND PAPER, ANTIQUE LAID PAPER, LEDGER PAPER, DUPLICATOR PAPER, MANIFOLD PAPER, MANUSCRIPT COVER, VELLUM PAPER, LETTERHEAD PAPER, "MIMEOGRAPH" PAPER, WRITING PAPER AND ENVELOPES. EASTERN CORPORATION, Brewer, Maine.
Filed May 19, 1942. Serial No. 453,100. PUBLISHED AUGUST 11, 1942. Class 37.

398,286. PHARMACEUTICAL SPECIALTIES—NAMELY, VITAMIN PRODUCTS, ANTERIOR PITUITARY-LIKE SEX HORMONE, ETC. U. S. STANDARD PRODUCTS COMPANY, Woodworth, Wis.
Filed May 19, 1942. Serial No. 453,126. PUBLISHED AUGUST 11, 1942. Class 6.

398,287. NEGLIGEE, DRESS, AND SPORT SHIRTS FOR MEN AND YOUNG MEN, AND SPORTSWEAR FOR MEN AND YOUNG MEN—NAMELY, SHIRTS AND TROUSERS IN ENSEMBLE SETS AND SEPARATELY; AND JACKETS. S. LIEBOVITZ & SONS, INC., New York, N. Y.
Filed May 21, 1942. Serial No. 453,160. PUBLISHED JULY 28, 1942. Class 39.

398,288. THREADS OF SILK, COTTON, RAYON, AND OTHER SYNTHETIC FIBERS. BELDING HEMINWAY COMPANY, New York, N. Y.
Filed May 22, 1942. Serial No. 453,174. PUBLISHED JULY 28, 1942. Class 43.

398,289. BITUMINOUS MATERIAL FOR USE IN COMPOUNDING RUBBER. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y.
Filed May 23, 1942. Serial No. 453,190. PUBLISHED AUGUST 11, 1942. Class 1.

398,290. ASH RECEIVERS AND TRAYS, CIGARETTE HOLDERS, CIGARETTE CASES, HUMIDORS, SMOKING PIPES, AND TOBACCO POUCHES. OVINGTON'S GIFT SHOP, INC., New York, N. Y.
Filed May 23, 1942. Serial No. 453,206. PUBLISHED AUGUST 11, 1942. Class 8.

398,291. SMOKING TOBACCO. PETERSON'S TOBACCO CORP., New York, N. Y.
Filed May 23, 1942. Serial No. 453,210. PUBLISHED AUGUST 11, 1942. Class 17.

398,292. SHOELACES. PROVIDENCE BRAID COMPANY, Pawtucket, R. I.
Filed May 23, 1942. Serial No. 453,219. PUBLISHED AUGUST 11, 1942. Class 40.

398,293. LATEX COMPOSITIONS USED IN DEPOSITING INDIVIDUAL MINUTE RUBBER PARTICLES IN FABRICS. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed May 23, 1942. Serial No. 453,223. PUBLISHED AUGUST 11, 1942. Class 1.

398,294. PRINTERS' TYPE. AMERICAN TYPE FOUNDERS, INCORPORATED, Elizabeth, N. J.
Filed May 25, 1942. Serial No. 453,227. PUBLISHED AUGUST 11, 1942. Class 14.

398,295. FOOD MIXTURES—NAMELY, BLENDS OF WHOLE GRAINS, VEGETABLE, AND FRUIT FOR USE AS A BREAKFAST FOOD AND FOR MAKING MUFFINS, PANCAKES, WAFFLES, AND OTHER SIMILAR FOOD MIXTURES. THE CER-LAX COMPANY, doing business as The Cer-Lax Co., Inc., Canton, Ohio.
Filed May 25, 1942. Serial No. 453,235. PUBLISHED AUGUST 11, 1942. Class 46.

398,296. CLEANING COMPOUND WHICH IS A WHITE POWDER, SOLUBLE IN WATER, USED AS A CLEANER, DETERGENT, AND SUBSTITUTE FOR SOAP. EDW. H. HUFNAGEL, doing business as Norma Chemical Company, Mount Vernon, N. Y.
Filed May 27, 1942. Serial No. 453,303. PUBLISHED AUGUST 11, 1942. Class 4.

398,297. HAIR AND SCALP DRESSING; SKIN LOTION; HAIR, SCALP, AND SKIN LOTION; SKIN FRESHENER; POWDER BASE LOTION; HAIR AND SCALP CLEANSER; SCALP AND FACIAL PREPARATION; HAIR AND SCALP PREPARATION. J. G. MORRIS, doing business as The Morris System, Omaha, Nebr.
Filed May 27, 1942. Serial No. 453,313. PUBLISHED AUGUST 11, 1942. Class 6.

398,298. YARNS MADE OF COTTON, RAYON, SYNTHETIC FIBERS AND MIXTURES THEREOF. AMOSKEAG-LAWRENCE MILLS, INC., Manchester, N. H.
Filed May 29, 1942. Serial No. 453,354. PUBLISHED AUGUST 4, 1942. Class 43.

398,299. HATS INTENDED FOR WEAR BY MEN, WOMEN, AND CHILDREN. CARADINE HAT COMPANY, St. Louis, Mo.
Filed May 30, 1942. Serial No. 453,380. PUBLISHED AUGUST 4, 1942. Class 39.

398,300. GAME PLAYED WITH A BOARD AND TWO SETS OF FIGURES ADAPTED TO BE MOVED AROUND THE BOARD. TEE KA CHAY, New York, N. Y.
Filed May 30, 1942. Serial No. 453,381. PUBLISHED AUGUST 11, 1942. Class 22.

398,301. TRIPOLI FLOUR (GROUND TRIPOLI STONE). BARNSDALL TRIPOLI CORPORATION, Seneca, Mo.
Filed June 2, 1942. Serial No. 453,406. PUBLISHED AUGUST 11, 1942. Class 1.

398,302. HANDKERCHIEFS. LONDON HANDKERCHIEF CO., INC., New York, N. Y.
Filed June 2, 1942. Serial No. 453,419. PUBLISHED AUGUST 4, 1942. Class 39.

398,303. WOMEN'S AND MISSES' DRESSES. PENNY POST, INC., St. Louis, Mo.
Filed June 3, 1942. Serial No. 453,445. PUBLISHED JULY 28, 1942. Class 39.

398,304. RUBBER SHEETING. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 4, 1942. Serial No. 453,472. PUBLISHED AUGUST 11, 1942. Class 50.

398,305. PAPER DIAPERS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 4, 1942. Serial No. 453,473. PUBLISHED AUGUST 11, 1942. Class 37.

398,306. NOSE DROPS FOR THE RELIEF OF HAY FEVER. ALMA LABORATORIES, INC., New Orleans, La.
Filed June 5, 1942. Serial No. 453,482. PUBLISHED AUGUST 11, 1942. Class 6.

398,307. HOSIERY. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed June 5, 1942. Serial No. 453,488. PUBLISHED JULY 28, 1942. Class 39.

398,308. ARTIFICIAL SILK YARN AND THREAD. TUBIZE CHATILLON CORPORATION, New York, N. Y.
Filed June 5, 1942. Serial No. 453,499. PUBLISHED JULY 28, 1942. Class 43.

398,309. GLASS SHEETS FOR PICTURE FRAMES AND THE LIKE. DEARBORN GLASS COMPANY, Chicago, Ill.
Filed June 6, 1942. Serial No. 453,507. PUBLISHED AUGUST 11, 1942. Class 33.

398,310. MESSAGE BLANKS IN THE FORM OF POSTAL CARDS. MAX H. NEWMAN, New York, N. Y.
Filed June 6, 1942. Serial No. 453,516. PUBLISHED AUGUST 11, 1942. Class 37.

398,311. ARSENIC. UNITED STATES SMELTING REFINING AND MINING COMPANY, Portland, Maine, and Boston, Mass.
Filed June 6, 1942. Serial No. 453,525. PUBLISHED AUGUST 11, 1942. Class 6.

398,312. LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. I. MILLER & SONS, INC., Long Island City, N. Y.
Filed June 8, 1942. Serial No. 453,552. PUBLISHED AUGUST 4, 1942. Class 39.

398,313. LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. I. MILLER & SONS, INC., Long Island City, N. Y.
Filed June 8, 1942. Serial No. 453,554. PUBLISHED AUGUST 4, 1942. Class 39.

398,314. LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. I. MILLER & SONS, INC., Long Island City, N. Y.
Filed June 8, 1942. Serial No. 453,555. PUBLISHED AUGUST 4, 1942. Class 39.

398,315. SILVER BASE ALLOY CAPABLE OF HEAT TREATMENT TEMPERING CONTAINING COPPER WITH OR WITHOUT SUITABLE METALS. PERMO PRODUCTS CORPORATION, Chicago, Ill.
Filed June 8, 1942. Serial No. 453,557. PUBLISHED AUGUST 11, 1942. Class 14.

398,316. BILLIARD TABLES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed June 15, 1942. Serial No. 453,664. PUBLISHED AUGUST 11, 1942. Class 22.

398,317. BILLIARD TABLES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed June 15, 1942. Serial No. 453,665. PUBLISHED AUGUST 11, 1942. Class 22.

398,318. BILLIARD TABLES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed June 15, 1942. Serial No. 453,666. PUBLISHED AUGUST 11, 1942. Class 22.

398,319. LABORATORY GLASSWARE — NAMELY, BEAKERS, CRUCIBLES, CRUCIBLE AND DISH COVERS, DESICCATOR PLATES, DISHES, FLASKS, TUBING, TEST TUBES, THERMOCOUPLE SHELLS, RASCHIG RINGS, RODS AND TRAYS. CORNING GLASS WORKS, Corning, N. Y.
Filed June 17, 1942. Serial No. 453,715. PUBLISHED AUGUST 11, 1942. Class 26.

398,320. BOWLING PINS. THE L. I. LEVEQUE COMPANY, Columbus, Ohio.
Filed June 19, 1942. Serial No. 453,757. PUBLISHED AUGUST 11, 1942. Class 22.

398,321. SUNTAN LOTION. GERMAINE MONTEIL COSMETIQUES CORPORATION, New York, N. Y.
Filed June 20, 1942. Serial No. 453,775. PUBLISHED AUGUST 11, 1942. Class 6.

398,322. ELASTIC SURGICAL STOCKINGS. WILLIAM H. HORN AND BROTHER, INCORPORATED, Philadelphia, Pa.
Filed June 20, 1942. Serial No. 453,777. PUBLISHED AUGUST 11, 1942. Class 44.

398,323. PREPARATION FOR PRESERVING AND RENEWING AUTOMOBILE TIRES AND THE LIKE HAVING INCIDENTAL CLEANSING PROPERTIES. LEHMAN BROS. CORP., Jersey City, N. J.
Filed June 21, 1942. Serial No. 453,843. PUBLISHED AUGUST 11, 1942. Class 4.

398,324. DYES AND TINTS FOR FABRICS FOR HOME USE. WOOL NOVELTY CO. INC., New York, N. Y.
Filed June 29, 1942. Serial No. 453,951. PUBLISHED AUGUST 11, 1942. Class 6.

398,325. ANTIBACTERIAL PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed June 30, 1942. Serial No. 453,968. PUBLISHED AUGUST 11, 1942. Class 6.

398,326. COMPOSITION FOR IMPREGNATING WOOD, FABRIC, AND OTHER FIBROUS MATERIAL TO MAKE THE SAME FIRE RETARDANT. IGNACE ALEMBIK, New York, N. Y.
Filed July 1, 1942. Serial No. 453,973. PUBLISHED AUGUST 11, 1942. Class 6.

398,327. COMPOSITION FOR IMPREGNATING WOOD, FABRIC, AND OTHER FIBROUS MATERIAL TO MAKE THE SAME FIRE RETARDANT. IGNACE ALEMBIK, New York, N. Y.
Filed July 1, 1942. Serial No. 453,974. PUBLISHED AUGUST 11, 1942. Class 6.

398,328. ALLOY METAL IRON CASTINGS. DIAMOND IRON WORKS, INC., Minneapolis, Minn.
Filed July 29, 1942. Serial No. 454,645. Class 14.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

398,329. (CLASS 39. CLOTHING.) THE LA RESISTA CORSET COMPANY, Bridgeport, Conn. Filed Apr. 5, 1940. Serial No. 430,406.

"Designed to live in."

FOR CORSETS, CORSELETS, GIRDLES, AND COMBINATION FOUNDATION UNDERGARMENTS COMPRISING COMBINATIONS OF TWO OR MORE OF THE FOLLOWING: BRASSIÈRE OR BANDEAU, GIRDLE, CORSET, OR CORSELET AND SKIRT, UNDERDRAWERS OR BLOOMERS.
Claims use since Mar. 21, 1940.

398,330. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMPSON'S LTD., New York, N. Y. Filed Oct. 14, 1940. Serial No. 436,948.

DENT-L-STIK

FOR DENTIFRICE.
Claims use since Nov. 1, 1939.

398,331. (CLASS 39. CLOTHING.) BREWSTER HAT COMPANY, INC., New York, assignor to Kempton Hat Company, Inc., New York, N. Y., a corporation of New York. Filed July 8, 1941. Serial No. 445,170.

Kempton hats

FOR WOMEN'S HATS.
Claims use since June 6, 1941.

398,332. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WELLINGTON SEARS COMPANY, INCORPORATED, New York, N. Y. Filed July 23, 1941. Serial No. 445,597.

TOPSAIL

FOR DUCK PIECE GOODS.
Claims use since Aug. 1, 1938.

398,332. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LE ROY S. ROSENBAUM, doing business as Le Roy Fabrics, New York, N. Y. Filed Aug. 30, 1941. Serial No. 446,708.



Le Roy Fabrics

FOR PIECE GOODS OF SILK, RAYON, AND MIXTURES OF SILK AND RAYON.
Claims use since May, 1941.

398,334. (CLASS 39. CLOTHING.) DAVID C. DICKS, Chicago, Ill. Filed Sept. 8, 1941. Serial No. 446,866.

Dorothy Dicks

FOR LADIES', MISSES', AND JUNIORS' COTTON AND RAYON DRESSES.
Claims use since July 1, 1941.

398,335. (CLASS 39. CLOTHING.) THE PIONEER RUBBER COMPANY, Willard, Ohio. Filed Sept. 13, 1941. Serial No. 447,030.



FOR HOUSEHOLD GLOVES MADE OF RUBBER OR SYNTHETIC RUBBER.
Claims use since Aug. 20, 1941.

398,336. (CLASS 39. CLOTHING.) MAX BAGEDONOW, doing business as Bagedonow Company, New York, N. Y. Filed Sept. 17, 1941. Serial No. 447,089.



Baqdon

FOR WOMEN'S, CHILDREN'S, AND MISSES' COATS, SKIRTS, DRESSES, SUITS, AND ENSEMBLES CONSISTING OF A DRESS AND COAT COMBINATION.
Claims use since July 26, 1941.

398,337. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, Manchester, Conn., and New York, N. Y. Filed Oct. 11, 1941. Serial No. 447,685.

CAMBRIDGE

FOR PIECE GOODS OF SILK AND SILK MIXTURES.
Claims use since 1914.

398,338. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIERRA CANDY COMPANY, INC., San Francisco, Calif. Filed Oct. 20, 1941. Serial No. 447,959.



FOR CANDY.
Claims use since Oct. 14, 1940.

398,339. (CLASS 2. RECEPTACLES.) IVERS-LEE COMPANY, Newark, N. J. Filed Nov. 4, 1941. Serial No. 448,386.

CATCH COVER PACKAGES

FOR ENVELOPE-LIKE SEALED CONTAINERS HAVING FOLDED COVERS.
Claims use since Mar. 12, 1940.

398,340. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSENBERG BROS. & CO., San Francisco, Calif. Filed Nov. 10, 1941. Serial No. 448,526

AmberSweet

FOR DRIED FRUITS—NAMELY, FIGS.
Claims use since Aug. 1, 1941.

398,341. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROBERT W. HAMILTON, New York, N. Y. Filed Nov. 14, 1941. Serial No. 448,640.

Trafalgar

FOR FABRICS OF COTTON, RAYON, SILK, OR WOOL, OR COMBINATIONS THEREOF, IN THE PIECE.
Claims use since Aug. 4, 1941.

398,342. (CLASS 39. CLOTHING.) FAILSWORTH HATS, LIMITED, London, England. Filed Dec. 27, 1941. Serial No. 449,796.



FOR MEN'S, WOMEN'S, AND CHILDREN'S HATS.
Claims use since August, 1937.

398,343. (CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Feb. 14, 1942. Serial No. 450,954.

BungalowBeauty

FOR WOMEN'S AND MISSES' COTTON DRESSES.
Claims use since Jan. 13, 1941.

398,344. (CLASS 39. CLOTHING.) G. C. MURPHY COMPANY, McKeesport, Pa. Filed Mar. 28, 1942. Serial No. 451,983.

TRULY TUFF

FOR CHILDREN'S WEARING APPAREL—NAMELY, SHOES MADE OF LEATHER, FABRIC, AND/OR RUBBER AND COMBINATIONS THEREOF; COVERALLS, PLAYSUITS, OVERALLS, DUNGAREES, KNICKERS, TROUSERS, ATHLETIC SHIRTS, UNDER SHORTS, JACKETS, BELTS IN THE NATURE OF GARMENT SUPPORTERS, SUSPENDERS, AND GLOVES MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF.
Claims use since Dec. 30, 1937.

398,345. (CLASS 37. PAPER AND STATIONERY.) BEACH & ARTHUR PAPER COMPANY, Paperville, Pa. Filed Apr. 10, 1942. Serial No. 452,258.

MODENA

FOR MANIFOLD AND "MIMEOGRAPH" PAPER.
Claims use since August, 1941.

398,346. (CLASS 39. CLOTHING.) BUROIO BROS., INC., New York, N. Y. Filed Apr. 28, 1942. Serial No. 452,634.

GRIP-FAST

FOR HOSIERY.
Claims use since October, 1940.

398,347. (CLASS 39. CLOTHING.) MAURICE EPSTEIN, doing business as Imperial Cap Works, Denver, Colo. Filed May 25, 1942. Serial No. 453,239.

CLING TOP

FOR UNIFORM-TYPE CAPS AND CAP COVERS.
Claims use since Jan. 1, 1940.

398,348. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DELAWARE RIBBON MANUFACTURERS INC., Philadelphia, Pa. Filed May 27, 1942. Serial No. 453,295.



FOR RIBBON SOLD BY THE BOLT.
Claims use since Mar. 6, 1941.

398,349. (CLASS 39. CLOTHING.) ZIMMERMAN-SCHER, INC., New York, N. Y. Filed June 4, 1942. Serial No. 453,480.

Average American

FOR FUR COATS, FUR JACKETS, FUR SCARFS, FUR MUFFS, FUR CAPES, AND FUR STOLES.
Claims use since April, 1941.

398,350. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) OPPENHEIMER FEIS CO., New York, N. Y. Filed June 24, 1942. Serial No. 453,848.

AN ICELANDIC CREATION

FOR EMBROIDERED FABRICS IN THE PIECE.
Claims use since Feb. 17, 1941.

398,351. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARTHUR KAHN CO., INC., New York, N. Y. Filed June 25, 1942. Serial No. 453,872.



FOR WOVEN RAYON AND COTTON FABRIC IN THE PIECE.
Claims use since 1938.

398,352. (CLASS 39. CLOTHING.) H. H. SCHMIDT GLOVE CO., INC., New York, N. Y. Filed July 9, 1942. Serial No. 454,121.

Better Maid

FOR GLOVES OF LEATHER, FABRIC, OR A COMBINATION THEREOF.
Claims use since Jan. 1, 1932.

398,353. (CLASS 39. CLOTHING.) MCMULLEN-LEAVENS COMPANY, INC., New York, N. Y. Filed July 23, 1942. Serial No. 454,450.

TROY GUILD

FOR MEN'S DRESS AND NEGLIGEE SHIRTS, MEN'S AND WOMEN'S PAJAMAS, SHORTS, AND UNDERWEAR; AND WOMEN'S WEARING APPAREL—NAMELY, BLOUSES, DRESSES, HATS, CAPS, BERETS, AND RIDING SHIRTS AND HABITS.
Claims use since June, 1932.

398,354. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MANCHESTER WORSTED MILLS CORPORATION, Methuen, Mass. Filed July 31, 1942. Serial No. 454,638.

MANCHESTER FABRICS

FOR WORSTED SUITINGS, IN THE PIECE OR CUT LENGTHS.
Claims use since May, 1936.

398,355. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) METHUEN INTERNATIONAL MILLS, Methuen, Mass. Filed July 31, 1942. Serial No. 454,640.

METHUEN

FOR WORSTED SUITINGS, IN THE PIECE OR CUT LENGTHS.
Claims use since April, 1938.

398,356. (CLASS 39. CLOTHING.) M. J. SAKS SHOE CORP., New York, N. Y. Filed Aug. 4, 1942. Serial No. 454,722.

MODERN MODE

FOR LEATHER, CLOTH TOP, SATIN TOP, METALLIC CLOTH TOP, AND PLASTIC TOP BOOTS, SHOES, PUMPS, SLIPPERS, AND SANDALS.
Claims use since June 29, 1927.

398,357. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. PRITCHARD, INC., Bridgeton, N. J. Filed Aug. 11, 1942. Serial No. 454,856.

BIG RED

FOR CANNED TOMATOES.
Claims use since Apr. 20, 1912.

TRADE-MARK REGISTRATIONS RENEWED

22,128. **"NORTH STAR" AND DRAWING.** MEAT PRODUCTS, INCLUDING PACKED AND SMOKED BEEF AND PORK, HAMS, SHOULDERS, SIDES, BACON AND SAUSAGE. Registered December 6, 1892. NORTH PACKING & PROVISION COMPANY, Boston, Mass. Re-renewed December 6, 1942, to Swift and Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

22,436. **ATLAS.** WASHING FLUID. Registered February 7, 1893. H. KOHNSTAMM & CO. Re-renewed February 7, 1943, to H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York, assignee.

22,536. **PEERLESS.** MILK, CREAM, BUTTER, AND CHEESE. Registered February 28, 1893. NEW YORK CONDENSED MILK COMPANY. Re-renewed February 28, 1943, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee.

146,161. **VITOSE.** CORN-SYRUP FOR FOOD PURPOSES. Registered September 6, 1921. AMERICAN HOMINY COMPANY, Indianapolis, Ind., and Decatur, Ill. Renewed September 6, 1941, to Dextora Company, Indianapolis, Ind., a corporation of Indiana, successor.

147,977. **NILDÉ.** FACE-POWDER, ROUGE, AND MASSAGE-CREAM. Registered November 8, 1921. CHARLES DAVIS, Paris, France. Renewed November 8, 1941, to Societe A Responsabilite Limitee M. Broux & Cie., Colombes, France, a corporation of France, successor.

157,046. **FURIDA.** CERTAIN ARTICLES OF CLOTHING. Registered July 25, 1922. DERWENT MILLS LIMITED, Matlock Borough, England. Renewed July 25, 1942, to Patons & Baldwins, Inc., Newark, N. J., a corporation of Delaware, assignee by mesne assignments.

157,665. **FURIDA.** WOVEN, KNITTED, AND OTHER CLOTHS AND STUFFS OF WOOL, WORSTED, OR HAIR. Registered August 15, 1922. DERWENT MILLS LIMITED, Matlock Borough, England. Renewed August 15, 1942, to Patons & Baldwins, Inc., Newark, N. J., a corporation of Delaware, assignee by mesne assignments.

157,939. **BIRDSEYE.** SILK PIECE GOODS. Registered August 22, 1922. EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y. Renewed August 22, 1942, to J. Rosenholz Inc., New York, N. Y., a corporation of New York, assignee.

158,098. **"DR. SMITH'S STOCK-VIGOR" AND DRAWING.** CERTAIN MEDICINES FOR STOCK, HORSES, DOGS, AND POULTRY. Registered August 22, 1922. DR. SMITH'S STOCK-VIGOR REMEDIES COMPANY. Renewed August 22, 1942, to Dr. Smith's Stock Vigor Company, Atlanta, Ga., a partnership, successor.

158,177. **INDESTRUCTO.** SILVER-PLATED TABLEWARE AND CERTAIN NAMED PRECIOUS-METAL HOLLOW WARE. Registered August 29, 1922. T. N. BENEDICT MFG. CO., East Syracuse, N. Y., a corporation of New York. Renewed August 29, 1942.

158,553. **THE CRITERION.** TOOTHBRUSHES. Registered September 5, 1922. UNITED DRUG COMPANY. Renewed September 5, 1942, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

158,607. **GRAND DUCHESS.** CORSETS. Registered September 12, 1922. GEORGE C. BATCHELLER & CO., New York, N. Y. Renewed September 12, 1942, to George C. Batcheller & Co., Inc., Bridgeport, Conn., a corporation of Connecticut, successor.

158,651. **EVERYMAN'S LIBRARY.** PRINTED BOOKS PUBLISHED IN SERIES. Registered September 12, 1922. E. P. DUTTON & COMPANY. Renewed September 12, 1942, to E. P. Dutton & Co., Inc., New York, N. Y., a corporation of New York, assignee.

158,652. **"TOLD TO THE CHILDREN".** PRINTED BOOKS PUBLISHED IN SERIES. Registered September 12, 1922. E. P. DUTTON & CO. Renewed September 12, 1942, to E. P. Dutton & Co., Inc., New York, N. Y., a corporation of New York, assignee.

158,725. **MIRADOR.** FANCY LINENS. Registered September 12, 1922. L. S. E. CO. INC., Brooklyn, N. Y., a corporation of New York. Renewed September 12, 1942.

158,890. **THOMSON'S GLOVE-FITTING.** CORSETS. Registered September 19, 1922. GEORGE C. BATCHELLER & CO., New York, N. Y. Renewed September 19, 1942, to George C. Batcheller & Co., Inc., Bridgeport, Conn., a corporation of Connecticut, successor.

159,651. **"AWAG" AND DRAWING.** BOXES AND VASES MADE OF ALUMINUM. Registered October 3, 1922. ALUMINUM WALZWERKE A.-G., Schaffhausen, Switzerland. Renewed October 3, 1942, to Robert Viktor Neher A.-G., Kreuzlingen, Switzerland, a corporation of Switzerland, successor.

159,717. **L F G.** JUTE WEBBING. Registered October 3, 1922. LUDLOW MANUFACTURING ASSOCIATES. Renewed October 3, 1942, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts, assignee.

159,757. **PYRUMA.** FIRE CEMENT. Registered October 3, 1922. CHARLES HERBERT SANKEY. Renewed October 3, 1942, to J. H. Sankey & Son Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee.

159,762. **CHAMPION.** LINEN THREAD. Registered October 3, 1922. SMITH & DOVE MFG. CO., Andover, Mass. Renewed October 3, 1942, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

159,947. **DURO.** PISTON AND PISTON-ROD PACKING MADE OF TEXTILE FABRIC AND RUBBER CEMENT. Registered October 10, 1922. JOHNS MANVILLE INCORPORATED. Renewed October 10, 1942, to Johns-Manville Corporation, New York, N. Y., a corporation of New York, assignee.

160,144. **FEATHERSTONE.** AN INSULATING POWDER USED IN BUILDING CONSTRUCTION AND AS AN INGREDIENT IN MAKING MORTAR AND ALSO FOR MAKING INTO BUILDING BRICKS. Registered October 17, 1922. ROBERT BURHANS, JR., Los Angeles, Calif. Renewed October 17, 1942, to Johns-Manville Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

160,296. **ESSEX.** LINEN THREAD. Registered October 17, 1922. SMITH & DOVE MFG. CO., Andover, Mass. Renewed October 17, 1942, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

160,705. **SHEETROCK.** CALCINED GYPSUM, PLASTER OF PARIS, WALL PLASTER, AND FINISHING PLASTER. Registered October 24, 1922. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 24, 1942.

160,706. **BADGER.** CALCINED GYPSUM, PLASTER OF PARIS, WALL PLASTER AND FINISHING PLASTER. Registered October 24, 1922. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois.

160,707. **BIG 4 FOUR.** CALCINED GYPSUM, PLASTER OF PARIS, WALL PLASTER, GAUGING PLASTER, AND CEMENT PLASTER. Registered October 24, 1922. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 24, 1942.

160,709. **ELDORADO.** CALCINED GYPSUM, PLASTER OF PARIS, AND WALL PLASTER. Registered October 24, 1922. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 24, 1942.

160,710. **IVORY.** CALCINED GYPSUM, PLASTER OF PARIS, WALL PLASTER, CEMENT PLASTER, FINISHING PLASTER, AND KEENE'S CEMENT. Registered October 24, 1922. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 24, 1942.

160,711. **IMPERIAL.** CALCINED GYPSUM, PLASTER OF PARIS, WALL PLASTER, CEMENT PLASTER, AND FINISHING PLASTER. Registered October 24, 1922. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 24, 1942.

161,216. **EMPIRE.** JUTE BAGGING. Registered November 7, 1922. LUDLOW MANUFACTURING ASSOCIATES. Renewed November 7, 1942, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts, assignee.

161,217. **PACIFIC.** JUTE BAGGING. Registered November 7, 1922. LUDLOW MANUFACTURING ASSOCIATES. Renewed November 7, 1942, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts, assignee.

161,255. **"NATION-WIDE" AND DRAWING.** MEN'S AND BOYS' READY-TO-WEAR CLOTHING—NAMELY, OVERALL COMBINATION SUITS MADE OF KHAKI, DRILL, DENIM, AND STIFEL DRILL MATERIALS. Registered November 7, 1922. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed November 7, 1942, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

161,256. **"NATION-WIDE" AND DRAWING.** MEN'S AND BOYS' READY-TO-WEAR CLOTHING—NAMELY, WORK SHIRTS MADE OF CHAMBRAY AND DRILL MATERIALS. Registered November 7, 1922. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed November 7, 1942, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

161,257. **"NATION-WIDE" AND DRAWING.** MEN'S AND BOYS' READY-TO-WEAR CLOTHING—NAMELY, OVERALLS MADE OF DRILL AND DENIM MATERIAL. Registered November 7, 1922. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed November 7, 1942, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

161,536. **MAINSTAY.** JUTE WEBBING. Registered November 14, 1922. LUDLOW MANUFACTURING ASSOCIATES. Renewed November 14, 1942, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts, assignee.

161,567. **M. M. R'S.** HAIR NETS. Registered November 14, 1922. MORRIS, MANN & REILLY, INC., Chicago, Ill., a corporation of Illinois. Renewed November 14, 1942.

161,585. **"HONOR" AND DRAWING.** BLEACHED COTTON MUSLIN. Registered November 14, 1922. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed November 14, 1942, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

162,363. **S.** JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. Registered December 12, 1922. SHIMAN BROS. & CO. INC., New York, N. Y., a corporation of New York. Renewed December 12, 1942.

162,557. **MI-LADY.** HAIR NETS. Registered December 19, 1922. MORRIS, MANN & REILLY, INC., Chicago, Ill., a corporation of Illinois. Renewed December 19, 1942.

162,808. **AIRY-FAIRY.** WHEAT FLOUR. Registered December 26, 1922. THE LARABEE FLOUR MILLS CORPORATION, Kansas City, Mo. Renewed December 26, 1942, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

163,099. **REPRESENTATION OF A CONSTELLATION. COUGH MEDICINE.** Registered January 2, 1923. MAX KADE, doing business as Seeck & Kade. Renewed January 2, 1943, to Seeck & Kade, Inc., New York, N. Y., a corporation of New York, assignee.

163,614. **"PAY DAY" AND DRAWING.** OVERALLS AND WORK CLOTHES—VIZ., WORK PANTS, SHIRTS, AND JUMPERS. Registered January 23, 1923. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed January 23, 1943, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

164,057. **DRI-PAK.** CANNED COOKED PRUNES. Registered February 13, 1923. CALIFORNIA PACKING CORPORATION, San Francisco, Calif., a corporation of New York. Renewed February 13, 1943.

164,063. **JEAN.** HAIR NETS. Registered February 13, 1923. S. GLEMBY, INC., now by change of name, S. Glemby's Sons Co. Inc. Renewed February 13, 1943, to The Glemby Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

164,107. **BUTOLAN.** A VERMIFUGE. Registered February 13, 1923. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Renewed February 13, 1943, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, assignee.

164,108. **SOLBAR.** AN INSECTICIDE. Registered February 13, 1923. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Renewed February 13, 1943, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, assignee.

164,109. **OPTARSON.** NERVE TONIC. Registered February 13, 1923. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Renewed February 13, 1943, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, assignee.

164,110. **MITIGAL.** A MEDICINE TO BE USED IN THE TREATMENT OF SKIN DISEASES. Registered February 13, 1923. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Renewed February 13, 1943, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, assignee.

164,444. **AROMO.** DENTAL CREAM. Registered February 20, 1923. WILLIAM M. THOMPSON, Red Bank, N. J. Renewed February 20, 1943.

164,521. **DE VILBISS.** CERTAIN NAMED SURGICAL AND MEDICAL GOODS. Registered February 20, 1923. THE DEVILBISS MANUFACTURING CO. Renewed February 20, 1943, to The Devilbiss Company, Toledo, Ohio, a corporation of Ohio, by change of name.

164,682. **T. L. BEESWAX.** Registered February 27, 1923. THEODOR LEONHARD WAX CO., Paterson, N. J. Renewed February 27, 1943, to Theodor Leonhard Wax Co., Haledon, N. J., a corporation of New Jersey.

164,684. **PIONEER.** BEESWAX. Registered February 27, 1923. THEODOR LEONHARD WAX CO., Paterson, N. J. Renewed February 27, 1943, to Theodor Leonhard Wax Co., Haledon, N. J., a corporation of New Jersey.

165,020. **"SAVE THE SURFACE AND YOU SAVE ALL" AND DRAWING.** DRY AND READY-MIXED PAINTS AND VARNISHES. Registered February 27, 1923. HENRY A. GARDNER PAINT CO. Renewed February 27, 1943, to Henry A. Gardner Laboratory, Inc., Washington, D. C., a corporation of the District of Columbia, assignee.

165,073. **DURAFILM.** OILS FOR TREATING ARTIFICIAL AND REAL LEATHER. Registered March 6, 1923. THE PIERCE COMPANY. Renewed March 6, 1943, to The Pierce Oil Products Corp., East Rochester, N. Y., a corporation of New York, assignee.

165,109. **"CO" AND DRAWING.** CERTAIN NAMED FOODS. Registered March 6, 1923. TOLERTON & WARFIELD COMPANY, Sioux City, Iowa, a corporation of Iowa. Renewed March 6, 1943.

165,112. **REPRESENTATION OF A ROSE.** CERTAIN NAMED FOODS. Registered March 6, 1923. TOLERTON & WARFIELD COMPANY, Sioux City, Iowa, a corporation of Iowa. Renewed March 6, 1943.

165,120. **WULMELLA.** WOOLEN PIECE GOODS. Registered March 6, 1923. THE BRADFORD DYERS' ASSOCIATION LIMITED, Bradford, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed March 6, 1943.

165,139. **ARTISTA.** WATER-COLOR PAINTS. Registered March 6, 1923. BINNEY & SMITH COMPANY, East Orange, N. J., and New York, N. Y. Renewed March 6, 1943, to Binney & Smith Company, New York, N. Y., a corporation of New Jersey.

165,263. **GRAVITYGRAMS.** A PUBLICATION—I. E., A HOUSE ORGAN ISSUED FROM TIME TO TIME. Registered March 6, 1923. TOLEDO SCALE COMPANY, Jersey City, N. J., and Toledo, Ohio. Renewed March 6, 1943, to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey, by change of name and merger.

165,272. **MILITARY.** CHEESE. Registered March 6, 1923. F. X. BAUMERT & CO. INC. Renewed March 6, 1943, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments and change of name.

165,326. **SUEDENA.** WOOLEN PIECE GOODS. Registered March 6, 1923. THE BRADFORD DYERS' ASSOCIATION LIMITED, Bradford, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed March 6, 1943.

165,327. **VELORA.** WOOLEN PIECE GOODS. Registered March 6, 1923. THE BRADFORD DYERS' ASSOCIATION LIMITED, Bradford, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed March 6, 1943.

165,328. **VELOTINE.** WOOLEN PIECE GOODS. Registered March 6, 1923. THE BRADFORD DYERS' ASSOCIATION LIMITED, Bradford, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed March 6, 1943.

165,399. **CARTHAGE QUEEN.** WHEAT FLOUR. Registered March 6, 1923. MORROW MILLING COMPANY. Renewed March 6, 1943, to Morrow Milling Company, Carthage, Mo., a corporation of Missouri, assignee.

165,408. **ACTINA.** WOOLEN PIECE GOODS. Registered March 6, 1923. THE BRADFORD DYERS' ASSOCIATION LIMITED, Bradford, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed March 6, 1943.

165,409. **CLOTHETTA.** WOOLEN PIECE GOODS. Registered March 6, 1923. THE BRADFORD DYERS' ASSOCIATION LIMITED, Bradford, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed March 6, 1943.

165,410. **PEBBLESHEEN.** MOHAIR PIECE GOODS. Registered March 6, 1923. THE BRADFORD DYERS' ASSOCIATION LIMITED, Bradford, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed March 6, 1943.

165,411. **SUPPLENA.** WOOLEN PIECE GOODS. Registered March 6, 1923. THE BRADFORD DYERS' ASSOCIATION LIMITED, Bradford, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed March 6, 1943.

REISSUES

OCTOBER 20, 1942

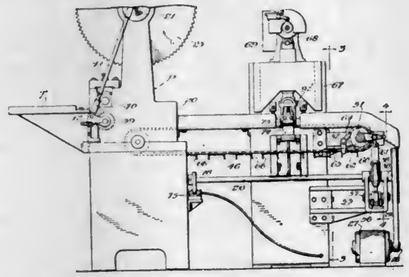
22,204

PRODUCTION OF EXPANDED METAL INSERTS FOR BRAKE SHOES AND SIMILAR CASTINGS

William S. Fraula, Suffern, N. Y., assignor to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware

Original No. 2,215,549, dated September 24, 1940, Serial No. 241,225, November 18, 1938. Application for reissue September 23, 1941, Serial No. 412,052

12 Claims. (Cl. 29—33)



11. Apparatus for making welded expanded metal brake shoe reinforcing which comprises the combination of means for conveying superimposed pieces of expanded metal, means at a predetermined station along said conveying means for bending said pieces to arcuate shape, and means at said predetermined station along said conveying means for welding said pieces together at at least certain of their points of contact and spaced from the ends of said pieces and from medial portions thereof.

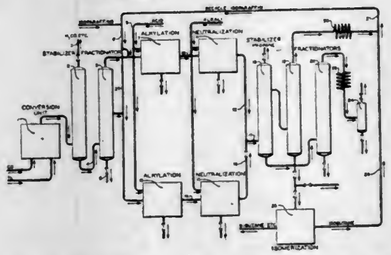
22,205

MANUFACTURE OF HIGH ANTIKNOCK HYDROCARBONS

Arthur R. Goldsby, Beacon, N. Y., assignor to The Texas Company, a corporation of Delaware

Original No. 2,257,074, dated September 23, 1941, Serial No. 283,429, July 8, 1939. Application for reissue April 14, 1942, Serial No. 438,928

5 Claims. (Cl. 196—10)



5. In a process for the manufacture of high anti-knock motor fuel hydrocarbons, the steps which comprise catalytically converting carbon monoxide and hydrogen to a synthetic hydrocarbon mixture composed mainly of hydrocarbons having around one to ten carbon atoms per molecule and comprising normally gaseous and normally liquid hydrocarbons composed largely of normal olefins as the olefinic constituents thereof, separating from said hydrocarbon mixture a normally gaseous fraction boiling essentially above the C_2 hydrocarbon boiling range and composed largely of normal butylenes with not more than a relatively low content of isobutylene as the C_4 olefinic constituents thereof, and reacting said separated normally gaseous fraction with a low-boiling isoparaffin in the presence of strong sulfuric acid of alkylation strength and in the substantial absence of isobutylene and aromatic hydrocarbons, whereby isobutane is alkylated to produce normally liquid saturated hydrocarbons of high anti-knock value and suitable for motor fuel.

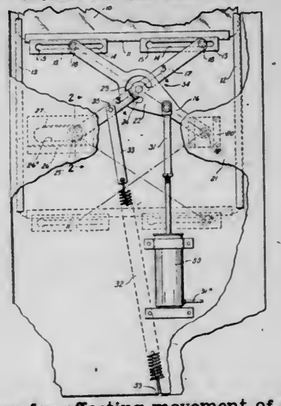
22,206

MECHANISM FOR IMPARTING RECTILINEAR RECIPROCATING MOVEMENT TO MEMBERS SUCH AS VEHICLE WINDOWS

John B. Parsons, Toledo, Ohio

Original No. 2,287,269, dated June 23, 1942, Serial No. 355,350, September 4, 1940. Application for reissue August 22, 1942, Serial No. 455,799

3 Claims. (Cl. 268—126)



1. Means for effecting movement of a member in opposite directions, composed of two arms pivotally connected to have scissor-like movement, means to connect an end portion of one of said arms to the member to actuate the latter, means to pivotally connect the opposite end portion of said arm to a relatively fixed point, means connected to said opposite end portion of said arm to actuate same and thereby the member, means to mount the end portion of the other arm which lies adjacent to the said opposite end portion of the first named arm for sliding and pivotal movement, a spring device connected at one end to said other arm at a point between the pivotal point of the arms and the said end of said other arm, and depending therefrom, and means to connect the opposite end of the spring device to a relatively fixed point whereby said spring device lies in a plane at an acute angle to a vertical line drawn through the pivot of the arms in all positions thereof.

22,207
PRODUCTION OF HARD METAL ALLOYS, ESPECIALLY FOR TOOLS

Paul Schwarzkopf, Yonkers, N. Y., assignor to The American Cutting Alloys, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Original No. 1,959,879, May 22, 1934, Serial No. 656,103, February 10, 1933. Application for reissue August 8, 1941, Serial No. 406,050

8 Claims. (Cl. 75—137)

1. In a method of producing a hard metal composition, particularly for tool elements, containing hard and refractory carbide crystal structures of at least two different elements other than carbon selected from the third, fourth, fifth and sixth group of the periodic system and considerably lower melting auxiliary metal substantially of the iron group in amounts from about 3 to 22%, the steps of preforming said structures substantially in solid solution in a first cycle including a heat treatment at a temperature of about 1600° to about 2000° C. and consolidating in a subsequent cycle the mass so obtained with the auxiliary metal admixed in powdery state by heat treatment at elevated temperature up to about 1400° to about 1600° C.

22,208
COMPOSITION CAPABLE OF INHIBITING AGGLUTINATION OR HEMOLYSIS IN BLOOD

Ernest Witebsky and Niels C. Klendshoj, Buffalo, N. Y., assignors to The Buffalo Research Associates, Inc., Buffalo, N. Y., a corporation of New York

No Drawing. Original No. 2,290,146, dated July 14, 1942, Serial No. 372,190, December 28, 1940. Application for reissue August 15, 1942, Serial No. 454,988. In Great Britain November 19, 1940

7 Claims. (Cl. 167—78)

1. In combination, A specific substance capable of inhibiting the agglutination of the A corpuscles of A type blood by the anti-A factor of untreated B type serum and B specific substance capable of inhibiting the agglutination of the B corpuscles of B type blood by the anti-B factor of untreated A type serum.

PLANT PATENTS

GRANTED OCTOBER 20, 1942

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

552
ROSE PLANT

Lyman B. Coddington, Murray Hill, N. J., assignor to L. B. Coddington Co., Murray Hill, N. J., a corporation of New Jersey

Application April 23, 1942, Serial No. 440,245

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by the brilliant pink color of the blossoms, their large size and great number, combined with the strong, spicy fragrance of the flowers and free blooming habit of the plant, substantially as shown and described.

553
CARNATION PLANT

Fred N. J. Klug, Blue Point, N. Y.

Application April 24, 1942, Serial No. 440,372

1 Claim. (Cl. 47—60)

A new and distinct variety of carnation plant, characterized as to novelty primarily by the dark color tones in the pink color range, combined with the habit of vigorous growth, productivity, and disease resistance, substantially as shown and described.

PATENTS

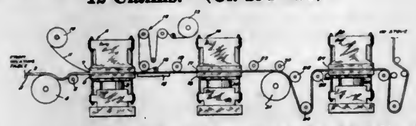
GRANTED OCTOBER 20, 1942

2,299,066
METHOD OF MAKING MOLDED INLAID LINOLEUM

John L. Berger, Columbia, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application August 3, 1940, Serial No. 350,447

12 Claims. (Cl. 154—26)



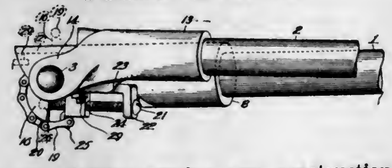
1. In the manufacture of molded inlaid linoleum and the like, the steps comprising rendering the upper surface of a layer of uncured inlaying composition substantially nonadhesive to a smooth pressing surface under conditions of heat and pressure by heating said layer to a temperature sufficient to substantially reduce the plasticity of the binder thereof and by applying pressure thereto while in such condition, and thereafter applying pressure to said composition materially in excess of the initially applied pressure.

2,299,067
CENTER PIVOT TENSION AWNING ARM

Frederick A. Anton, Topeka, Kans., assignor of one-half to The Astrup Company, Cleveland, Ohio, a corporation of Ohio

Application February 19, 1940, Serial No. 319,741

2 Claims. (Cl. 156—42)



1. In a folding awning arm construction including inner and outer arms hinged together, at least one of said arms being tubular, tensioning means urging said arms to unfolded position including a spring in said tubular arm, a linkage pivotally connected at one end to said spring, a linkage guide mounted on the hinge connecting the arms and receiving said linkage, a threaded bolt bearing a journaled relation to the other arm and having one end socketed in said linkage guide, and an anchor member threaded on said bolt and connected to the other end of the linkage to effect tensioning of the spring upon rotation of the bolt.

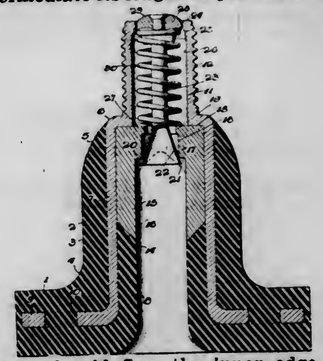
2,299,068
TIRE VALVE

Henry Z. Gora, Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y., a corporation of New Jersey

Application July 24, 1940, Serial No. 347,320

5 Claims. (Cl. 152—430)

1. A valve stem including a rubber base flap, a rubber body extending from said flap, a metal insert embedded in said body and extending from at least the tip portion of said body to but not through said flap, said insert having a through passage which is constricted in cross section to provide a shoulder faced toward said flap, a metal member seated against said shoulder and having a length which is less than the length of the portion of said insert which is embedded in said rubber, said metal member having a passage therethrough which is constricted in cross section intermediate its length to provide a shoulder



faced toward said flap, the inner edge of said shoulder constituting a valve seat, the inner end of said insert inwardly from the inner end of said metal member being lined with the rubber of said body portion, and valve provisions in said stem including a hollow conical metal valve member making a substantially line contact with said seat, the wall of said valve member being relatively thin so as to be flexible and yieldable into airtight contact with said valve seat.

2,299,069
CHLORINATION OF ORGANIC COMPOUNDS

Albert G. Chenicek, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application March 15, 1939, Serial No. 262,065

1 Claim. (Cl. 260—248)

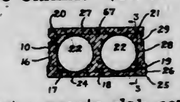
A method of chlorinating a compound of the group consisting of dicyandiamide and melamine in the presence of an alkaline alkali metal compound and sufficient water to assist the reaction but insufficient to form an aqueous solution in liquid state.

2,299,070
CAST SLAB

Homer L. Rogers and Gayle B. Price, Dayton, Ohio, assignors, by mesne assignments, to said Price

Application February 12, 1940, Serial No. 318,460

5 Claims. (Cl. 72—66)



1. A precast concrete slab comprising an elongated body of concrete generally rectangular in cross-section, of greater width than thickness and

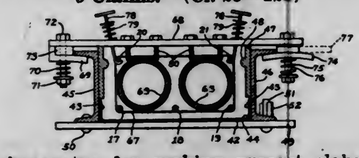
having a plurality of longitudinally extending cylindrical passages of such diameter compared with the slab thickness as to provide a total void of at least 40% and not substantially in excess of 50% of the slab section, the passages being located substantially closer to the bottom of the slab than to the top, the bottom portion of the slab having a greater width than the top, upper longitudinally extending reinforcement embedded in the upper portion of the slab, and lower longitudinally extending reinforcing rods embedded in the lower portion of the slab, such lower rods being pretensioned and of such cross sectional area as to assume substantially the entire tension forces due to live load, the cross sectional area of the pretensioned reinforcing rods and the diameter of the passages being so coordinated as to locate the neutral axis of the slab closely adjacent the tops of the passages.

2,299,071
BUILDING CONSTRUCTION
Homer L. Rogers and Gayle B. Price, Dayton, Ohio, assignors, by mesne assignments, to said Price
Application February 12, 1940, Serial No. 318,462
5 Claims. (Cl. 72—66)



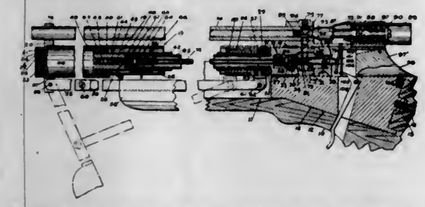
2. The process of making a substantially flat wall structure comprising assembling a series of concrete beams in side by side relation, the assembled beams having differing bending deflections and having recesses at the sides thereof between adjacent beams, placing a relatively rigid member against the face of the beams and overlapping adjacent beams in the plane of the wall, engaging said beams inwardly of said face and applying force to the engaged portions of the beams against said member to pull all of the beams into contact with said member and into flush relation with each other, placing cementitious bonding material in the recesses between adjacent beams while said force is applied thereto, and removing said member after said bonding material has set to retain said assembled beams in said flush relation with each other.

2,299,072
APPARATUS FOR CASTING SLABS
Homer L. Rogers and Gayle B. Price, Dayton, Ohio, assignors, by mesne assignments, to Gayle B. Price, Dayton, Ohio
Original application February 12, 1940, Serial No. 318,461. Divided and this application January 22, 1941, Serial No. 375,472
9 Claims. (Cl. 25—121)



1. Apparatus for making precast slabs comprising a trough having a bottom plate, a pair of opposing side members provided with longitudinally extending inward projections, and end members extending across the side members, said side members and bottom plate having quickly detachable connections to one another, one of said end members having adjustment longitudinally of the form between the side members and above the bottom plate and provided with bars operable along the inner sides of the side members, said bars having means engageable at selected points therealong with the ends of the side members, preventing movement of the end member towards the center of the trough, said end member also having means for engaging slab reinforcing rods to hold the end member against movement towards the form end.

2,299,073
GUN
William F. Beasley, Columbus, Ohio
Application October 26, 1939, Serial No. 301,440
13 Claims. (Cl. 124—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



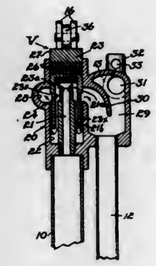
2. In a pneumatic gun comprising in combination, a low pressure tubular member closed at its forward end and slotted from a point intermediate its ends rearwardly, a valve housing member secured to the rear end portion of the low pressure member, means for admitting air from atmosphere into the low pressure member at a point forwardly of said slot, a piston having a passage controlled by a one-way valve mounted within the low pressure member for reciprocal movement toward and from its forward end closure, a tubular piston rod connected to the piston with its interior in communication with said passage, means on the piston rod protruding through said slot for reciprocating the piston rod and piston, a second piston stationarily mounted within the tubular piston rod having a passage controlled by a one-way valve, means forming a conduit connecting said last named passage with the interior of the valve housing and a main valve mounted within the valve housing for controlling the outlet from said conduit.

11. In a gun of the type described in combination, a receiver frame having a longitudinal passage and a transverse opening intersecting the passage, a plug adapted to be inserted within the passage and formed with a transverse opening overlying said first named transverse opening when the plug is in position in the passage, an angular sear spring having one leg secured to the plug and the other leg depending within the plug opening, a sear secured to one of the legs and a trigger mounted in the transverse opening of the frame and having a finger engaged with said depending leg of the sear spring.

12. In a gun of the type described in combination, a valve housing member, a valve stem bushing secured to one end of the valve housing member in fluid sealed relation and provided with an annular projecting valve seat disposed within the valve housing, a valve cage having a recess at one end disposed in the valve housing with the end of the wall forming the recess and confronting the valve stem bushing adapted to abut the valve stem bushing in surrounding relation of said annular valve seat, a valve stem secured to the valve cage and slidably mounted in the valve stem bushing, a plastic valve element mounted in the recess of the valve cage of lesser depth than said recess and

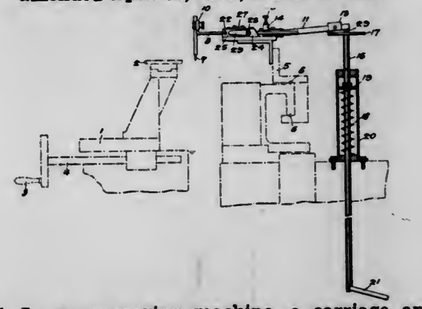
adapted to deformably engage said annular valve seat when the end of the wall forming the recess abuts the confronting portion of the valve stem bushing and resilient means normally urging the valve cage into abutment with the valve stem bushing.

2,299,074
CONTROL VALVE
Alexander Bereny, North Hollywood, Calif., assignor to John H. Armstrong, Los Angeles, Calif.
Application September 27, 1940, Serial No. 358,688
2 Claims. (Cl. 137—104)



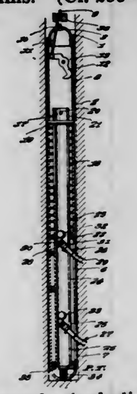
1. A control valve comprising a casing having a vertical bore interrupted in its continuity by an annular chamber enlarging the diameter of said bore intermediate its ends thereby forming thereabove and therebelow upper and lower portions of said bore which are substantially equal in diameter, said lower portion constituting a liquid containing cup the mouth of which opens into the lower part of said annular chamber, there being a delivery passage leading from one side of said annular chamber, a water supply nozzle located axially within said bore and upstanding from the bottom of said cup to a point above the mouth thereof, the upper end of said nozzle constituting a valve seat, a plunger slidably fitted within said upper portion of said bore, said plunger being axially bored out from its lower end throughout the greater portion of its length by an internal bore of substantially uniform diameter, a valve closure member located in the upper end of said internal bore engageable with said valve seat to cooperatively close the valve, said plunger having a reduced, substantially uniform external diameter extending upwardly part way from its lower end thereby forming at its juncture with the upper portion of said plunger a laterally directed annular shoulder, the diametrically reduced portion of said plunger together with the surrounding wall of said lower portion of said vertical bore forming an external annular channel which said shoulder overhangs in all operative positions of said plunger, there being at all times an internal annular channel between the aforesaid nozzle and the adjacent wall of the bored out portion of said plunger surrounding it, said channels at all times communicating with each other, said annular shoulder approximately closing the upper end of said external annular channel when said valve closure member is seated, the resistance offered by said annular shoulder to the closing of the valve increasing as said shoulder approaches the mouth of said external annular channel and diminishing as the valve closure member rises.

2,299,075
APPARATUS FOR ENGRAVING RETICULES
Joseph O. Bluhm, Philadelphia, Pa.
Application June 25, 1941, Serial No. 399,747
6 Claims. (Cl. 33—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an engraving machine, a carriage and holding means for a stylus lever thereon comprising aligned and opposed pivot points to receive the stylus lever therebetween, at least one of said pivot points being resiliently mounted.

2,299,076
SIDE WALL SAMPLER
Pink T. Bynum, Beeville, Tex.
Application January 30, 1941, Serial No. 376,687
8 Claims. (Cl. 255—1.4)

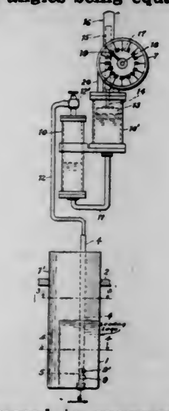


1. A side wall sampler including a housing having a body, a trigger carried by the body, a plunger within the body, means normally urging the plunger downwardly within the body, means carried by the plunger and engageable with the trigger for retaining said plunger against the tension of the last-mentioned means, and a sampling tube carried by the plunger and movable laterally upon release of the trigger and consequent downward movement of the plunger and upward rush of fluid in the plunger to engage a side wall for a sampling operation.

2,299,077
DRAFT GAUGE FOR SHIPS
Edward Smith Cole and John R. Cole, Upper Montclair, N. J., assignors to Pitometer Log Corporation, a corporation of New York
Application July 25, 1939, Serial No. 286,344
9 Claims. (Cl. 73—299)

1. A draft gauge for use on ships moving in

liquids, comprising a static pressure measuring device adapted to extend beyond the surface of a ship's hull into the surrounding liquid and having two surfaces each at an acute angle to the forward direction of motion of the ship through the water, said angles being equal and said surfaces being disposed to converge in a forward direction, an orifice opening through each of said surfaces into communication with the surrounding liquid, pressure responsive indicating means, and conduit means providing a common connection for placing said orifices in communication with said indicating means.



2,299,078

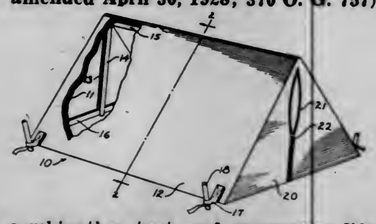
INSULATING, WATERPROOF AND BUOYANT TENT

Edward C. Craig, U. S. Navy, and Glen W. Leyde, Arlington, Va.

Application February 17, 1941, Serial No. 379,376

1 Claim. (Cl. 135—1)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A combination tent and emergency life preserver comprising an inner sheet of soft, light, windproof, waterproof, buoyant material, an outer covering material extending over said inner material, said outer covering material being turned under the edges of the inner material to provide a protective hem thereon, said inner sheet of material comprising expanded cellular rubber, a joint on said inner material closed by a vulcanizing strip extending therealong, and an opening flap in said tent, said opening flap comprising a separable fastener on said outer covering having operating tab means thereon.

2,299,079

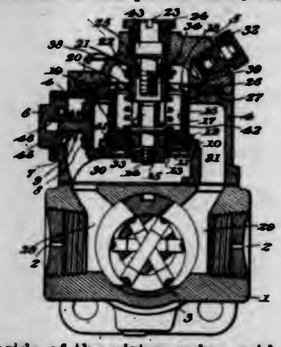
RELIEF VALVE

Walwin L. Davis, Avon, Ohio

Application September 15, 1939, Serial No. 295,124

9 Claims. (Cl. 137—53)

1. A relief valve for fuel pumps comprising a casing having a valve seat therein, a disc retainer adapted to cooperate with the seat, and a cup-shaped piston valve secured to the retainer and comprising a diaphragm cup, an abutment plate for the bottom of the piston valve and a sleeve



for the inside of the piston valve, said cup being mounted with the abutment plate and the sleeve on the inside thereof and the piston on the outside thereof which confines the diaphragm on the valve and having a small section at the rim end of the piston valve which acts as a hinge.

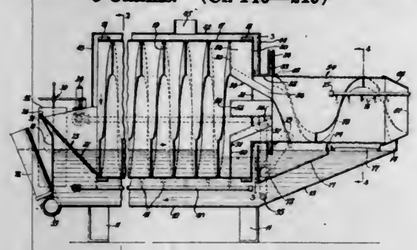
2,299,080

METHOD FOR TREATING FOODSTUFFS

William de Back, Niagara Falls, N. Y., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y., a corporation of New York

Application May 14, 1940, Serial No. 335,115

5 Claims. (Cl. 146—219)



1. The method of treating foodstuffs which comprises positively conveying the foodstuffs to be treated from one end of a chamber to the other, moving an enclosed body of treating liquid underneath and along the full length of the exterior of said chamber in heat exchanging relation thereto and countercurrent to and out of contact with the flow of foodstuffs to be treated, adding predetermined amounts of said liquid to the foodstuffs to be treated before entering said chamber and applying heat through said body of liquid while so moving underneath the exterior of said chamber to treat the foodstuffs being conveyed through said chamber.

2,299,081

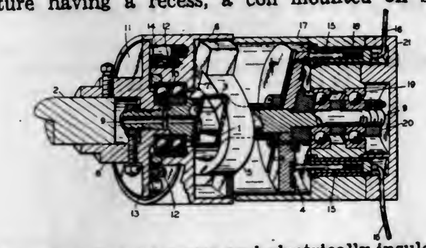
VIBRATION MEASURING APPARATUS

Charles S. Draper, Newton, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York

Original application May 18, 1937, Serial No. 143,269. Divided and this application April 1, 1941, Serial No. 386,351

7 Claims. (Cl. 171—209)

1. A means for converting energy of vibratory angular motion about a given axis into electric energy, comprising, in combination, a shaft rigidly connected to the vibrating structure, a balanced mass mounted on bearings coaxially with said shaft and restrained to rotate with the mean angular velocity of said shaft by springs disposed between said mass and said shaft, magnet means secured to said mass having magnet poles symmetrically disposed on either side of the axis of said shaft and mass, an armature of material having a magnetic permeability high compared to that of air secured to said shaft, said armature having a recess, a coil mounted on said



armature in said recess and electrically insulated from the armature, said armature and coil being so disposed between poles of said magne that relative motion between said mass and said armature causes a transfer of flux from a portion of said armature on one side of said recess to a portion on the other side, thereby resulting in a change of flux through said coil and generating an induced voltage substantially proportional to the velocity of relative motion between said mass and said armature, said voltage being therefore substantially proportional to the vibratory angular motion of this shaft above a certain frequency.

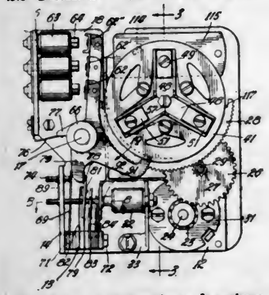
2,299,082

ELECTRIC CONTROL APPARATUS

Harold F. Elliott, Palo Alto, Calif.

Application December 3, 1940, Serial No. 368,334

22 Claims. (Cl. 192—142)



1. Radio tuning apparatus having frequency changing means and rotary control means operatively connected with said frequency changing means, said rotary control means including a plurality of coaxially mounted control rings each having a stop recess in the peripheral edge thereof, a plurality of pivoted latches corresponding to said rings, with each of said latches having a stop portion thereon engageable with a corresponding recess to stop said control means at a predetermined control position, means for setting each of said control rings to a predetermined control position including a corresponding latch, an armature portion operatively connected to each of said latches, an operating magnet for each of said latches arranged to attract a corresponding armature to pivotally move a corresponding latch into engagement with a corresponding control ring, means individual to each latch for moving the same out of engagement with a corresponding control ring after its rotation to a predetermined control position, motor drive means for said rotary control means, and means for selectively actuating said magnets to individually operate said latches.

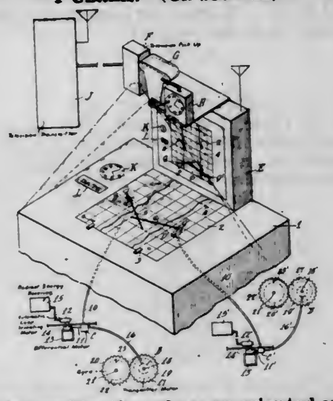
2,299,083

ELECTRICALLY COMPENSATED GEOGRAPHIC POSITION INDICATOR

Ienar E. Elm, Piedmont, Calif.

Application November 26, 1940, Serial No. 367,245

4 Claims. (Cl. 250—11)



4. The combination of a map oriented only with respect to a craft in which it is mounted, direction-indicating members pivotally mounted on points on the map corresponding to sources of radiant energy on the territory depicted by the map, self-synchronous motors, shafts carried by the motors and connected to the members for swinging the latter, means for tuning in the sources of radiant energy corresponding to the pivotal positions of the members and including two radiant energy receiving members that will always maintain a predetermined position with respect to the two tuned-in stations, a second pair of self-synchronous motors having shafts, each being operated by a radiant energy receiving member and being electrically connected to one of the first mentioned motors that corresponds to the tuned-in station, a third pair of self-synchronous motors having shafts, means for continuously maintaining the third pair of motor shafts in a predetermined angular position with respect to the rotation of the craft around its vertical axis and being in electrical connection with the second pair of motors, whereby each direction-indicating member will have its motor shaft swing through the algebraic sum of the two motor shafts associated therewith.

2,299,084

SEALING AND INSULATING GLASS FURNACES

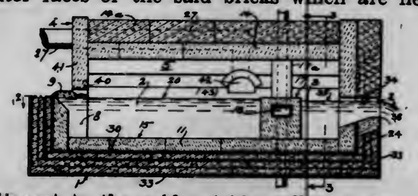
Enoch T. Ferngren, Little Neck, N. Y.

Application November 27, 1937, Serial No. 176,833

17 Claims. (Cl. 49—54)

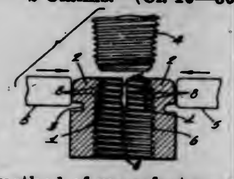
1. A melting-tank for glass comprising receptacle melting and refining portions having walls erected of closely set refractory bricks, means comprising refractory sheets of glass-like body and density for cementing together the said bricks and also for joining the bricks to an outside retaining wall of a more highly refractory material, the said material for joining the bricks to the outside retaining wall comprising

thin sheets of a refractory non-porous body capable of having a coalescing action with the outer faces of the said bricks which are next



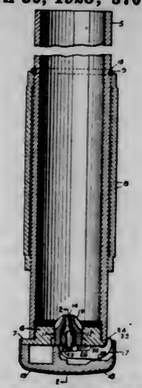
adjacent to the said outside wall and also capable of being cemented by heat to the adjacent side of the said retaining wall.

2,299,085
SELF-LOCKING NUT
Harald F. Gade, Philadelphia, Pa., assignor to Pennsylvania Manufacturing Company, Jenkintown, Pa., a corporation of Delaware
Application May 16, 1941, Serial No. 393,824
2 Claims. (Cl. 10—86)



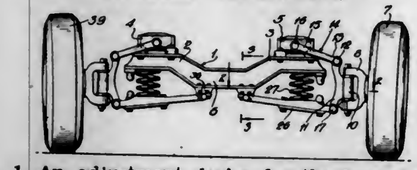
1. The method of manufacture, which consists of slotting a threaded nut blank to provide at one end thereof a plurality of segmental portions forming continuations of the solid wall of the nut, threading a tapered plug into the slotted end of the nut to radially spread said segments, applying pressure inwardly against said segments to cause the inner faces thereof to conform with the curvature of said plug, removing the plug, and subsequenttly inwardly displacing said segments to cause the inner surfaces thereof to converge toward the axis and to constrict the normal bore of the nut.

2,299,086
DISCHARGER FOR PYROTECHNIC CARTRIDGES
John C. Garand, Springfield, Mass.
Application October 2, 1940, Serial No. 359,329
4 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



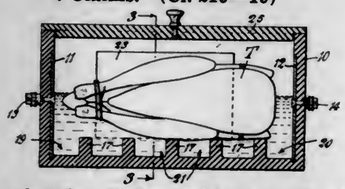
1. A barrel, a breech plug closing one end of the barrel and having an annular flange extending laterally of the barrel, said breech plug having a diametral slot, a hammer housed in the slot and having an outer end extending through the flange on the breech plug, an insert in the slot supporting the hammer, a cap on the breceh plug, and a sleeve slidably mounted on the barrel and coaxial therewith, said sleeve being movable against the flange to strike the outer end of the hammer.

2,299,087
DEVICE FOR ALIGNING AUTOMOBILE WHEELS
Henry E. Goetz, Brooklyn, N. Y.
Application March 25, 1941, Serial No. 385,205
10 Claims. (Cl. 280—124)



1. An adjustment device for the knee action control mechanism of an automobile wheel intermediate the front cross member of the chassis of an automobile and the lower control arm of the control mechanism including a bracket having two spaced apart walls, there being alined bolt receiving openings in one wall and parallel bolt receiving openings in the other wall of said bracket, the parallel bolt receiving openings extending in a direction transverse to that of the alined openings, one pair of bolt receiving openings adjustably registering with bolt receiving openings in the cross member of the chassis to receive bolts for securing the bracket to the chassis in the position determined to suit the adjustment selected and the other bolt receiving openings adjustably registering with bolt receiving openings in the lower control arm to receive bolts for securing the lower control arm to said bracket in the position determined to suit the adjustment selected.

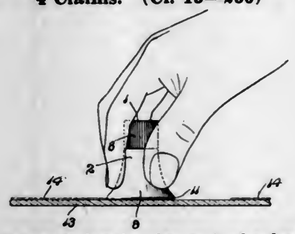
2,299,088
APPARATUS FOR ELECTRIC CONDUCTANCE COOKING
Enoch L. Griffith, Chicago, Ill., assignor to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application October 19, 1940, Serial No. 361,842
7 Claims. (Cl. 219—19)



1. An electric cell for cooking articles of food comprising a container having electrodes at opposite portions thereof and adapted to contain an electrolyte solution in contact with said electrodes, said cell being provided with a bottom having means providing a horizontal level adapted to support an article of food placed between the electrodes in horizontal extent and in position above the bottom of the floor and the bottom of the solution in contact with the electrodes, said means comprising a plurality of spaced vertical

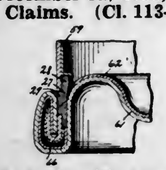
partitions running transversely of the cell and of the direct line between the electrodes whereby to cut off a direct flow of current between the electrodes through electrolyte between two spaced partitions, said cell permitting the top level of the solution in contact with the electrodes to be located above the bottom of said article, whereby an article may be placed in the cell with ends thereof directed towards the electrodes with contact liquid beneath said ends.

2,299,089
ICE REMOVER FOR WINDSHIELDS
Bennie Haan, Grand Rapids, Mich., assignor of one-half to A. Bondy Gronberg, Grand Rapids, Mich.
Application May 5, 1941, Serial No. 391,885
4 Claims. (Cl. 15—236)



1. An ice scraping implement of a hard plastic material, said material having a degree of hardness between that of ice and glass and provided with a wall having an annular scraping edge, the sides of which are located in angular relation to each other.

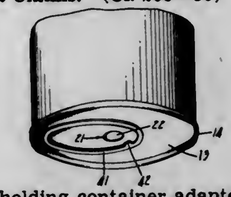
2,299,090
CONTAINER AND METHOD OF PRODUCING THE SAME
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 31, 1938, Serial No. 248,846
3 Claims. (Cl. 113—120)



1. The method of making metal cans for holding without impairment contents adversely affected by electrolysis, comprising providing a metallic can body member and a metallic end member for closing said can body member, one of said members having an anodic rivet projected therethrough in a predetermined location; coating the interior of the can body member and the interior surface of the end member including the exposed surface of said rivet; and securing said members together in an end seam so that said anodic rivet is partially enclosed in the seam, the forming of the seam breaking the coating on the rivet and also the adjacent coating on one of the members so that said rivet and metallic member are partially exposed for contact with the can contents when the can is filled.

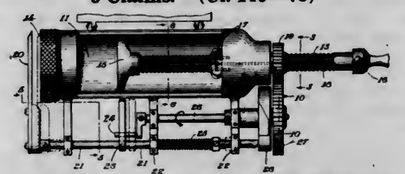
3. A sheet metal can for holding without impairment contents adversely affected by electrolysis, comprising a metallic can body member and a metallic end member for closing the same, one of said members having an anodic rivet projected therethrough in the region of the end seam, said members having an interior coating material thereon covering also a portion of the rivet surface, said body and cover members being secured together in an end seam, the coating on said rivet and adjacent surface of one of said members being partially broken so that said rivet and metallic member are partially exposed for contact with the can content when the can is filled.

2,299,091
CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 21, 1940, Serial No. 336,457
2 Claims. (Cl. 206—56)



1. A fluid holding container adapted to be inserted into a dispenser of conforming predetermined configuration only, comprising a body, sealed ends on said body, an annular outwardly projecting channel bead integrally formed in the bottom end of said body in an eccentric position therein, and a laterally extending enlarged boss in said bead, said bead and said boss cooperating to form key elements adapted to register in one position only with cooperating key elements in said dispenser when said container is inserted therein.

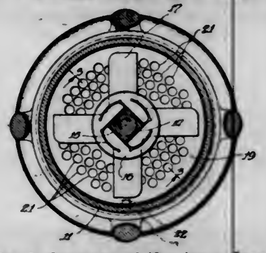
2,299,092
VEGETABLE DICER
Theodore R. Johnson, Menasha, Wis.
Application December 9, 1940, Serial No. 369,310
3 Claims. (Cl. 146—78)



1. In a device of the character described, an elongated tubular casing having a cutting grille in the front thereof, a screw shaft mounted axially through the rear end of the casing and adapted for endwise movement upon rotation, a plunger on the inner end of the screw shaft for forcing material through the casing and the front grille thereof, a plurality of brackets extending laterally from one side of the casing, a shaft journalled on the said brackets and disposed in a position spaced from and parallel with the casing, a cutter blade secured to the forward end of the said shaft and extending radially therefrom and in front of the grille, a crank shaft rotatably mounted on the bracket parallel with the said cutter shaft having a crank fixed on its forward end, a slotted lever secured to the cutter shaft and extending radially therefrom, a pin extending longitudinally from the said crank and slidably projecting through the slot of the lever, gearing for rotating the crank shaft during rotation of the screw shaft whereby to swing the radial cutter blade to a downward cutting arc and to an upward return arc, a cam secured on the crank shaft engaging the cutter shaft to axially

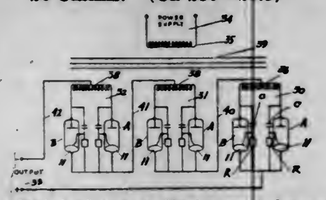
move the same whereby the cutter moves through a plane close to the grille during its downward cutting movement and through a plane spaced forwardly of the grille during its return movement, and spring means on the cutter shaft yieldingly urging the same against the cam.

2,299,093
SPRING WASHER MEANS FOR FOOD CHOPPERS
Alexander F. Kaptuller, Chicago, Ill.
Application May 19, 1941, Serial No. 394,045
7 Claims. (Cl. 146—139)



1. In a food chopper of the type described having an assembly comprising a perforated discharge plate member, a knife member in contact relation with one face of the plate member, one of said members being non-rotatable, a driven shouldered shaft connected with the other of said members for turning it relative to the non-rotatable member, and means for locking the parts of said assembly together to maintain said plate and knife members in operative relation; a cup-shaped spring washer in the form of a ring having an unbroken margin and a plurality of spring leaves struck from the washer with the leaves extending generally as chords and with their mid portions deflected out of the plane of the ring, said washer being adapted to be positioned in said assembly between the shoulder on the shaft and said locking means with the deflected portions of said leaves in contact with said knife member and forming the only pressure contact between said washer and said knife member for holding the knife member and perforated plate member in working contact under spring pressure.

2,299,094
ELECTRICAL APPARATUS
Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 11, 1939, Serial No. 261,399
20 Claims. (Cl. 250—27.5)



1. An electrical space discharge tube comprising an anode, an arc type cathode, and a firing electrode unit, said unit comprising a plurality of conducting members insulated from said cathode, each of said conducting members having a separate fusible conductor connecting said conducting member to an external connection.

2,299,095
LOCKING TYPE BLIND, SHUTTER, AND THE LIKE
Alexander D. Knox, New York, N. Y.
Application May 3, 1941, Serial No. 391,795
23 Claims. (Cl. 156—17)

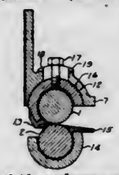


1. In a locking blind assembly, a blade-type blind provided with raising and lowering means, the blades thereof being mounted for angular adjustment about their respective axes, and means operative upon lowering of the blind to tension the blades longitudinally, thereby to lock the blades in their adjusted position and to enable the blades to resist being spread apart intermediate their ends.

2,299,096
COATING
Joseph L. Krieger, Baltimore, Md.
No Drawing. Application February 18, 1941, Serial No. 379,485
15 Claims. (Cl. 106—177)

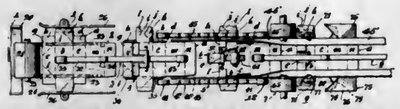
1. A process for the prevention of discoloration of clear lacquer compositions used for dipping copper and copper containing material which comprises adding thereto a small amount of a phosphite compound having the general formula $R_1R_2R_3PO_3$ where R_1, R_2 and R_3 are from the class consisting of hydrogen and organic radicals, the amount of said phosphite being sufficient to prevent said discoloration.

2,299,097
CAN MAKING MACHINE
Frank Krueger, Milbrae, Calif., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Original application June 29, 1939, Serial No. 281,910. Divided and this application September 14, 1940, Serial No. 356,772
4 Claims. (Cl. 153—54)



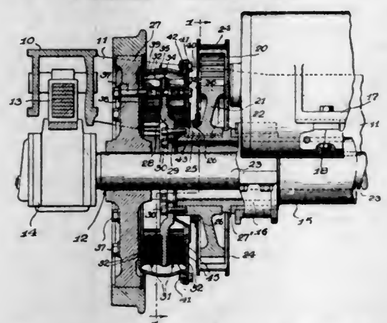
1. In a device of the character described, a pair of rolls cooperating to provide a sheet gripping and feeding bite, a sheet deflecting blade disposed at the sheet intake side of said rolls, said blade being operative to deflect a sheet downwardly before it enters the bite of said rolls and upwardly while it passes between said rolls, a sheet leveling and straightening blade disposed at the outfeed side of said rolls and operative to strip the sheet from the roll against which it has been deflected, and means for adjusting said first-named blade circumferentially of one of said rolls, means for adjusting the other blade circumferentially of the other roll, each adjusting means being actuable independently of the other.

2,299,098
METHOD OF AND APPARATUS FOR MAKING COLLAPSIBLE BOXES
Harold S. Labombarde, Nashua, N. H., assignor to The International Paper Box Machine Company, Nashua, N. H., a corporation of New Hampshire
Application July 22, 1940, Serial No. 346,729
13 Claims. (Cl. 93—49)



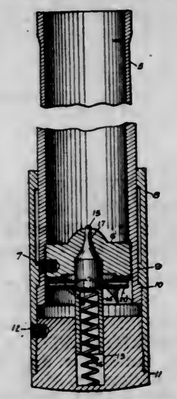
1. The method of making a collapsible box from a blank having a body, side walls extending from the body, and corner flaps extending from at least certain of said side walls, which method comprises causing a blank to travel, turning up the forward corner flaps, folding the rearward side wall against the body, folding the lateral side walls along diagonal fold lines, folding the lateral side walls over toward the body, adhesively connecting the lateral side walls to said rearward side wall, moving the blank at right angles to its original direction of travel, folding the remaining unfolded side wall over toward the body, and adhesively connecting said remaining side wall to said adjacent previously folded side walls.

2,299,099
QUILL DRIVE
Joseph Ledwinka and John F. Downie Smith, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 25, 1940, Serial No. 347,374
4 Claims. (Cl. 105—131)



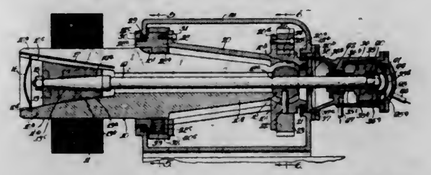
1. The combination of a vehicle frame spring-supported upon a wheel and axle assembly, a rotary quill carried by the frame and surrounding an axle of said wheel and axle assembly, with free space therebetween, a driving connection from said quill to a wheel associated with said axle, said connection including a radially extending member secured to one of said quill and wheel and having a free periphery with radial faces on opposite sides thereof and a member secured to the other of said quill and wheel having radial faces, respectively, opposite the radial faces of the first member and spaced therefrom, and a pair of flexible annuli, each including spaced metallic rings interconnected by a series of rubber blocks secured to said rings throughout substantially the radial thickness of the blocks, the annuli being secured one to each pair of opposed faces of said members.

2,299,100
DISCHARGER FOR PYROTECHNIC CARTRIDGES
John L. Lochhead and Miles C. Benner, Springfield, Mass.
Application November 1, 1940, Serial No. 363,884
5 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. In a discharger, a sleeve member, a barrel member telescopically arranged therewith, said members having relative rotation and limited axial relative reciprocation, a spring pressed firing pin carried by one member and arranged to extend the members axially, and a cam on one of the members operable on relative rotation of the sleeve and barrel members to cock and release the firing pin.

2,299,101
WINDING REEL
Chester M. MacChesney, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application May 31, 1941, Serial No. 395,967
34 Claims. (Cl. 242—72)

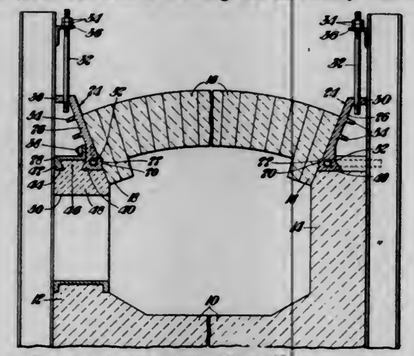


1. The combination in a winding reel, of a core comprising a plurality of radially adjustable segments upon which strip material is adapted to be wound, and means for applying power directly to said segments to rotate said core.

2,299,102
SKEWBACK FOR OPEN HEARTH FURNACES
John Fletcher McLimans, Duluth, Minn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application November 1, 1941, Serial No. 417,533
9 Claims. (Cl. 263—46)

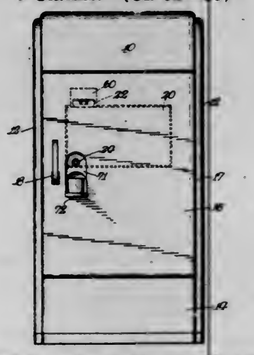
2. A skewback made of separate metallic parts having respective extensions with converging faces jointly forming a dovetail groove adapted to interfit with the correspondingly dovetailed

portion of the furnace door opening roof brick, the said skewback having an inwardly extend-



ing rib adapted to interfit with a correspondingly formed notch in the furnace roof brick.

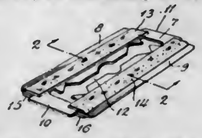
2,299,103
COOL WATER RESERVOIR FOR REFRIGERATORS
Kinney I. Miller, Lancaster, and Irwin Dunbar, Kirksville, Mo.
Application July 7, 1941, Serial No. 401,326
5 Claims. (Cl. 62—89)



1. In a refrigerator cabinet wall structure including outer and inner plates and insulating material therebetween the combination of a removable liquid reservoir comprising a relatively thin receptacle having a tap adjacent the bottom and a normally closed filling aperture at the top of said receptacle, said wall structure having a recess in the inner plate slightly larger than the outside dimensions of said receptacle, said receptacle being positioned in the recess, a sealing strip around the recess forming a dead air space between the bottom thereof and the receptacle when in place and releasable engaging elements on the walls of said receptacle and said inner plate respectively for releasably securing the receptacle to the wall.

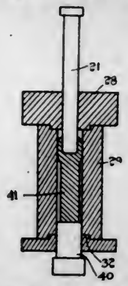
2,299,104
RAZOR BLADE
Georges Monnet, New York, N. Y., assignor to Guardian Merchandising Corporation, Montreal, Quebec, Canada, a corporation of Quebec, Canada
Application May 20, 1941, Serial No. 394,256
4 Claims. (Cl. 30—346)

2. A blade for safety razors, comprising a cutting portion of comparatively great specific gravity and a layer adhering to said cutting por-



tion and being of comparatively small specific gravity to float the blade when in water.

2,299,105
METHOD AND APPARATUS FOR FORGING BILLETS
William P. Muir, Hampstead, Quebec, Canada, assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada
Application March 18, 1940, Serial No. 324,604
1 Claim. (Cl. 78—81)

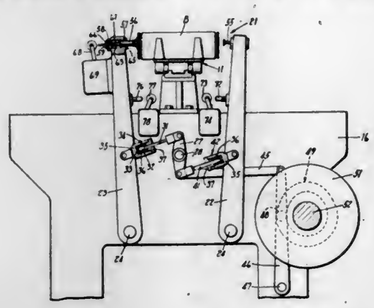


The herein described method of forging shells and other hollow articles in a sectional die pot provided with a sectional body wall and a movable bottom wall which comprises placing a solid billet on said bottom wall and closing the body wall sections inwardly upon the billet so that the latter is tightly seized and held by said body wall sections and then forcing a piercing punch into the upper end of the die pot and into said billet while applying to the bottom wall of the pot a restraining pressure which is predetermined to permit said wall to be displaced in a die pot lengthening direction by elongation of the billet due to the action of the piercing punch as the latter advances toward the end of its working stroke, said method being characterized in that the restraining pressure applied to said bottom wall is predetermined to give a back pressure against the billet metal which is just sufficient to permit the punch to complete the upsetting and elongation of the billet without extrusion.

2,299,106
CAN END ASSEMBLING MACHINE
William Pechy, Manasquan, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 29, 1940, Serial No. 354,770
9 Claims. (Cl. 192—125)

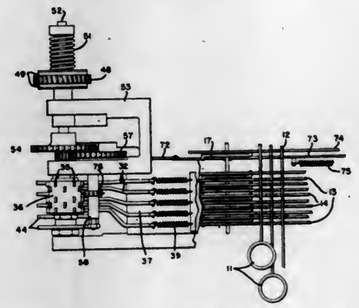
1. In a machine for assembling end members to cans, one of said end members having a hinged closure element attached thereto, the combination of a pivotally mounted arm, means for rocking said arm toward and away from an end of a can, a yieldable detector pin carried in said arm for detecting cans which lack end members and for detecting cans in which the closure element is in a sealed back position, an electric switch carried on said arm and operable by said yieldable detector pin for stopping the machine

when a can having an end member with a sealed back closure element is detected, and another



electric switch operable by said arm for stopping the machine when a can lacking an end member is detected.

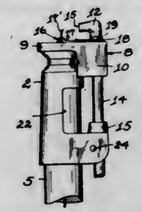
2,299,107
KEYBOARD CODE PRINTER
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 4, 1938, Serial No. 238,763
27 Claims. (Cl. 197—1)



1. In a code printing apparatus, a plurality of printing lugs, a cyclically operating source of power, a supplying medium for treating said lugs with transferable marking substance, a plurality of percussion devices operated sequentially for bringing a tape into contactual engagements with said lugs, and a plurality of conditioning devices set during a cycle of operation of said source of power for causing said plurality of percussion devices to be operated variously during each cycle thereby to print transverse codes on a tape.

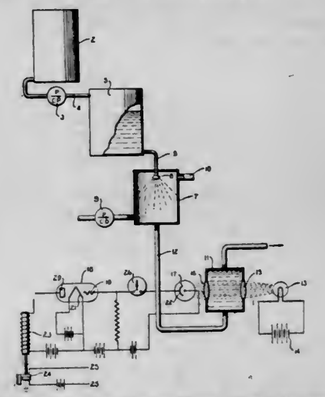
2,299,108
CANDLE GUARD
John M. Powers, Cleveland Heights, Ohio
Application March 21, 1939, Serial No. 263,113
4 Claims. (Cl. 67—3)

1. A candle guard comprising a tubular shell open at its bottom and formed with a restricted aperture in its upper portion, an inner, annular, inclined shoulder extending downwardly from said aperture adapted to support said shell on the rim of a candle and center said shell with respect to said candle when said shell is sleeved thereupon, an elongated supporting bracket mounted on the top of said shell and having an opening in axial alignment with the aperture thereof, said bracket including a laterally extended portion, candle lighting and extinguishing means mounted on said laterally extended



portion of said bracket, and roller guiding means on the lower end of said shell for axially aligning said shell with said candle.

2,299,109
OXYGEN REGULATING DEVICE
Henry James Rand, New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 18, 1937, Serial No. 164,488
2 Claims. (Cl. 128—191)

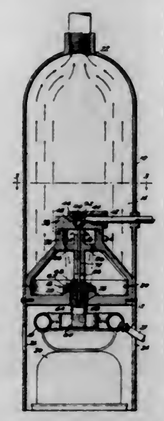


1. The method of controlling the oxygen content of the atmosphere within a chamber comprising burning a substance in said atmosphere to produce a flame the light intensity of which is a function of the mass of oxygen per unit volume of the atmosphere, directing said light upon a photoelectric cell, amplifying in a thermionic tube circuit the output of said cell, and controlling the flow from an oxygen source to said atmosphere in accordance with said amplified output.

2,299,110
STEAM GENERATOR
William H. Richards, Dayton, Ohio
Application October 8, 1940, Serial No. 360,311
7 Claims. (Cl. 122—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

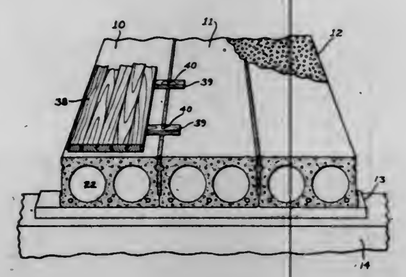
1. In a device of the class described, a compartment having a support, a heat absorbing and dissipating member vertically supported by said support and disposed partly within and partly without said compartment in loosely fitting but substantially fluid sealed relation to said support, means for delivering liquid from a source and for directing same on said member interiorly of said compartment including valve control means, and an expansible and contractible ele-

ment responsive to the temperature of said member in operative association with said valve con-



trol means for regulating the amount of liquid directed on to said member.

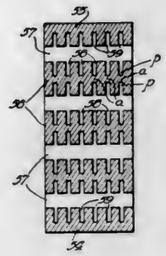
2,299,111
PROCESS FOR CASTING SLABS
Homer L. Rogers and Gayle B. Price, Dayton, Ohio, assignors, by mesne assignments, to said Price
Application February 12, 1940, Serial No. 318,461
3 Claims. (Cl. 25—154)



1. The process of making a precast concrete slab comprising locating a tube in a trough form, adding concrete mixture to the form and around the tube, vibrating the form to remove air bubbles from the upper exposed surface of the concrete mixture while supporting the form pneumatically, and controlling the air pressure of the pneumatic support in accordance with the length of mass of the slab.

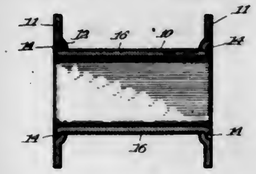
2,299,112
ACOUSTIC FILTER
Harold K. Schilling, Lincoln, Nebr., assignor to Robert C. Brown, Jr., Highland Park, Ill., as trustee
Application October 30, 1939, Serial No. 302,007
13 Claims. (Cl. 181—48)

1. An acoustic filter comprising a pair of filter elements mounted in spaced relation, each of said filter elements comprising a sequence of straight bars of rectangular cross section and identical dimensions, means for mounting said bars in



line, and means for holding said bars in spaced relation.

2,299,113
COIL FORM AND THE LIKE
John B. Seever, Oak Park, Ill., assignor to William F. Stahl
Application December 8, 1939, Serial No. 308,259
4 Claims. (Cl. 242—119)



1. A form for windings and the like, comprising a laminated hollow paper core, flanges carried by said core in spaced relation thereon, at least one of said flanges being at the end of the core and being engaged by a rearwardly-turned end portion thereof, the laminations of said rearwardly-turned end portion being separated, and a hard material within the space between said separated laminations of said end portion of the core and adhering thereto to maintain said end portion in rearwardly turned position.

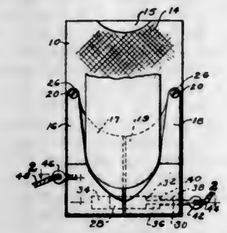
2,299,114
ALLOY
Cecil Spencer Sivil, Roselle, and Edward O. Liebig, North Arlington, N. J., assignors to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
No Drawing. Application December 19, 1941, Serial No. 423,601
5 Claims. (Cl. 75—172)

1. An alloy of 40% to 60% platinum, 20% to 40% palladium, 10% to 30% gold, and 2% to 9% silver.

2,299,115
NO-SLIP PARTING CHOCK
Hobart Staley, deceased, late of Dayton, Ohio, by Jennie M. Staley, administratrix, Dayton, Ohio
Application January 8, 1942, Serial No. 426,044
6 Claims. (Cl. 188—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

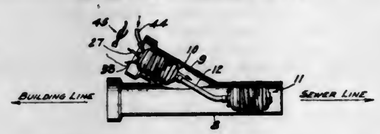
1. A wheel chock comprising a base, a pair of chock blocks movable laterally on said base, the interfacing surfaces of said blocks being so shaped that a wheel moving forwardly therebetween must push said blocks apart, and latch

means for holding said blocks from being pushed apart but operative to be released to permit said



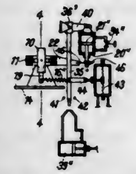
blocks to spread to allow said wheel to pass therebetween.

2,299,116
EXPANSIBLE PLUGS FOR CONDUITS
Bennett Svirsky, Glendale, Calif.
Application May 5, 1941, Serial No. 391,893
10 Claims. (Cl. 138—90)



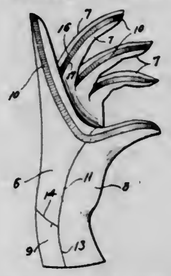
7. In a device of the kind described, an elastic pneumatically expansible body of a circular character having a spiral peripheral channel extending around it, said expansible body also having around its expansible portion two continuous ribs engageable with the interior of a sewer pipe in a fluid tight manner, one of said ribs being located at each side of the space occupied by said spiral channel.

2,299,117
GYROSCOPIC DEVICE
Gert Zoege von Manteuffel, Berlin-Dahlem, Germany; vested in the Alien Property Custodian
Application November 24, 1937, Serial No. 176,397
In Germany November 27, 1936
7 Claims. (Cl. 74—5)



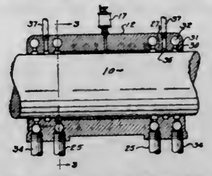
1. A gyroscopic device comprising, in combination, a rotor bearing member mounted for movement about a first axis, a gyro rotor mounted in said member for spinning about a second axis normal to said first axis, a relay, a motion transmitting device operatively connecting said member and relay including cylinder means and piston means therefor, mechanism operatively connecting one of said means to said bearing member and the other of said means to said relay for actuation of the relay in response to precession of the bearing member about the first axis, said mechanism including a spring, and a leak in said cylinder means for permitting the effective pressure acting between the cylinder and piston to become diminished according to a function of time.

2,299,118
GLOVE
Pearl I. Wheeler, Los Angeles, Calif., assignor to House of Originals, Inc., a corporation of California
Application September 5, 1939, Serial No. 293,317
5 Claims. (Cl. 2—159)



1. A glove comprising: a pair of identical mating pieces of material each having palm or back portions and digital portions except for the thumb of a hand, said pieces having corresponding margins cut on a straight line extending from the roots of the forefinger portions at an angle downwardly to the cuff ends of said pieces of material, and a single thumb piece having straight line side edges and folded medially and longitudinally throughout its length so that the attaching edges thereof will be on correspondingly straight lines and in a common transverse plane, said margins throughout their entire length being attached to corresponding edges of said thumb piece with the remainder of said thumb piece forming a thumb stall, and means extending from the tips of the little finger portions to the tip of said thumb piece for connecting the finger portions of said pieces of material and said thumb stall.

2,299,119
BEARING
Lucien L. Yeomans, Chicago, Ill., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application September 9, 1939, Serial No. 294,156
3 Claims. (Cl. 308—36.3)



1. In a plain sliding oil film bearing, a housing structure adapted to receive a rotatable member, a member rotatably carried therein to provide a plain sliding oil film bearing surface therewith, means to supply lubricant between said structure and said member to thereby lubricate said bearing, a pair of spaced annular passages formed in one end of said bearing structure and connected by an opening formed by the clearance afforded between relatively rotatable parts of said bearing, conduits connecting with said passages, means to provide a partial vacuum through said passages and conduits respectively by maintaining a fluid stream into one passage and out of the other to establish a fluid flow to remove lubricant or other foreign matter adjacent said bearing away from said member.

2,299,120
PRODUCTION OF TITANIUM PIGMENTS
Benjamin Wilson Allan, Baltimore, Md., assignor to American Zirconium Corporation, Baltimore, Md., a corporation of Maryland
No Drawing. Application November 21, 1938, Serial No. 241,513
13 Claims. (Cl. 106—300)

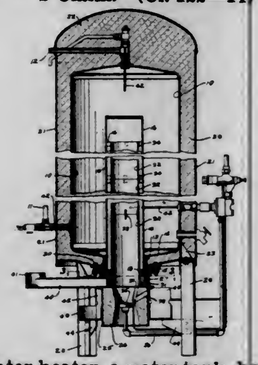
1. The process of treating calcined titanium dioxide to increase its resistance to discoloration, said process comprising deflocculating an aqueous slurry of calcined titanium dioxide containing small amount of soluble sulfate, effecting hydroseparation of the slurry, treating the fined particles of deflocculated titanium dioxide with a sufficient quantity of a water-soluble ionizable salt to discharge the negative sulfate ions of the titanium dioxide particles and thereby flocculate the same, said ionizable salt being that of a metal, the sulfate of which is insoluble in water, whereby said metal combines with said sulfate ions to form a water insoluble compound.

2,299,121
METHOD OF MAKING GUARDS FOR ATTACHMENT TO AUTOMOBILE BUMPERS
Eugene C. Amsden, Cambridge, Mass., assignor of one-half to Howard L. Blackwell, Cambridge, Mass.
Application May 25, 1940, Serial No. 337,251
3 Claims. (Cl. 29—152)



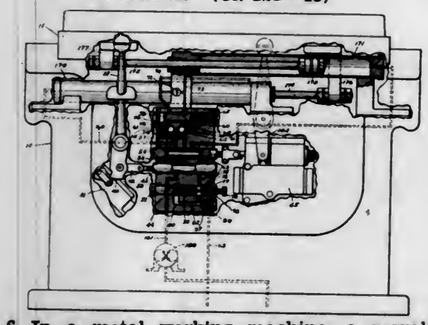
2. Method of making a bumper guard having three equally spaced mounting posts connected at one end thereof by a bar, comprising the steps of forming a U-shaped blank whose yoke is partly slit apart from the legs thereof to form a tongue between the latter, bending all edges of the blank in the same general direction to form an endless depending flange on the blank whose flanged tongue is the intermediate mounting post, spreading the legs of the flanged U-blank in the plane of the latter into substantial longitudinal alignment, and then bending opposite end portions of the spread legs in the plane of the blank into the outer, depending mounting posts.

2,299,122
GAS WATER HEATER
William I. Battin, Indianapolis, Ind.
Application March 21, 1940, Serial No. 325,094
1 Claim. (Cl. 122—14)



In a water heater, a water tank, heat insulation about the tank, a gas burner chamber below the tank, heat insulation around said chamber exceeding that of said tank, a gas burner carried in the chamber, said chamber having an under air admittance port, a closed upper end tube entering said tank from its bottom with a water tight connection therebetween and extending upwardly therein well toward its top, and a second tube open at its top end and connecting with a discharge port of said burner chamber and telescoping within said first tube in spaced relation therewith to provide a gas passage from the second tube top end down through the first tube, said second tube being made in detachable sections, and legs supporting said water tank, said legs having lengths in accordance with lengths of said tube sections to permit withdrawal and replacement of the sections without disturbing said tank, the lowermost of said tube sections being made out of a heat insulating material.

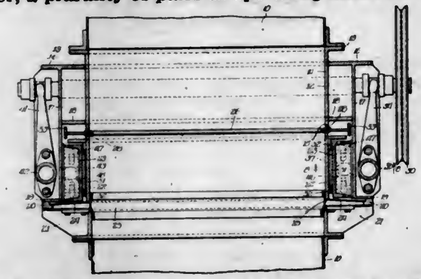
2,299,123
TRAVERSE CONTROL
Harold E. Balsiger, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa.
Original application April 21, 1937, Serial No. 138,245, now Patent No. 2,249,343, dated July 15, 1941. Divided and this application November 3, 1939, Serial No. 302,761
7 Claims. (Cl. 121—45)



6. In a metal working machine, a movable member, a hydraulic system including a motor for effecting movement of said member, a valve for controlling the rate of movement of said motor at any point in its travel, a start and stop valve and a pressure operated bypass valve for rendering said rate control valve operative or inoperative in response to starting or stopping the flow of fluid under pressure from said start and stop valve.

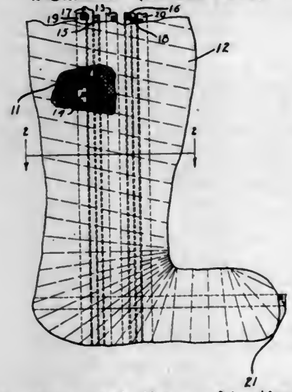
2,299,124
VALVE
Arthur J. Boynton and Carl J. Westling, Chicago, Ill., assignors to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois
Application May 31, 1939, Serial No. 276,540
13 Claims. (Cl. 251—167)

1. In a valve, in combination, a relatively rigid frame structure adapted to be inserted in a conduit, said frame structure including a conduit portion having a plane valve seat, a slide plate valve member adapted to cooperate with said valve seat to open and close the passageway through said conduit portion, a clamping member adapted to clamp said slide plate valve member against said seat, said clamping member including a conduit portion adapted to exert pressure against said slide plate valve member throughout a continuous area coinciding with the area of said seat, a frame encircling said clamping member for operating said clamping member, said frame having abutting relationship with said clamping member at a plurality of regions spaced symmetrically about said clamping member but disconnected from said clamping member, a plurality of pairs of operating members for



said frame, said pairs of operating members being spaced symmetrically with respect to a plane including the axis of said conduit portion, common operating means for said operating members, and adjustment means cooperating with said operating members for controlling the pressure at the various points of application of said operating members upon said frame.

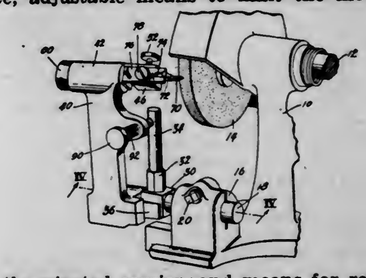
2,299,125
PLASTER CAST OPENING MEANS
Harry A. C. Brinkmann, Indianapolis, Ind.
Application December 31, 1941, Serial No. 425,105
2 Claims. (Cl. 128—317)



1. In a plaster cast, the combination of overlapping windings of fabric impregnated with plaster; a length of tape along one side of the cast and imbedded between layers of said windings throughout a length of the cast, to have at least one end of the tape extend from the cast; and said tape being ribbon-like in nature to have a width greatly exceeding its thickness and having straight line cutting edges.

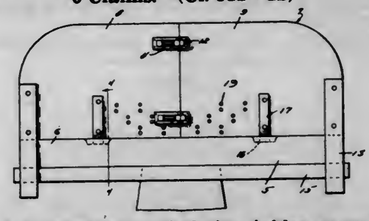
2,299,126
GRINDING MACHINE
Joseph C. Cantley, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 1, 1940, Serial No. 349,181
2 Claims. (Cl. 51—105)

1. A device for positioning and feeding a hollow, conical tool in grinding contact with an operating face of a grinding wheel to grind an oblique, beveled cutting edge thereon, said device having, in combination, a mounting for a tool, a pivoted carrier for guiding and moving the mounting toward said wheel to bring a tool revolved thereby into grinding contact with said face, adjustable means to limit the movement



of the pivoted carrier, and means for revolving the mounting in a closed orbital path so that the axis of the tool makes an acute but continuously varying angle with the operating face of the wheel as the point of operation progresses completely around the tool.

2,299,127
FOOTREST FOR EMBALMING TABLES
William Hobart Cawood, Middlesboro, Ky., assignor to Mary V. Cawood, Middlesboro, Ky.
Application April 19, 1941, Serial No. 389,454
6 Claims. (Cl. 311—11)



1. A footrest for embalming tables comprising a flat member positioned transversely of the table and means extending transversely below the table and connected to each end of said member for securing the latter in an upright position on the table.

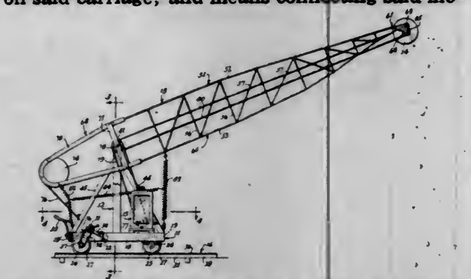
2,299,128
POLYMERIZABLE COMPOSITION
Laurence William Codd, Addlestone, and Frederick Thomas Hamblin, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 16, 1939, Serial No. 290,490. In Great Britain August 19, 1938
4 Claims. (Cl. 260—486)

1. A composition comprising polymerizable methyl methacrylate and, as a polymerization inhibitor therefor, about 0.1%, by weight of said methyl methacrylate, of a compound from the group consisting of acetamide, ammonium carbonate, ammonia, pyrrol, piperidine, ammonium carbamate, hexamine, and aldehyde ammonia.

2,299,129
POWER TRIM
John M. Dickenson, Jr., and Ralph E. Dickenson, Santa Paula, Calif.
Application July 3, 1939, Serial No. 282,650
4 Claims. (Cl. 143—43)

1. In a tree trimming machine, a carriage; a boom pivotally mounted on said carriage to swing

in a vertical plane, said boom being mounted off-center and having a long end and a short end, said short end being bifurcated and weighted to counterbalance the long end; a circular saw mounted on the long end of said boom; a motor on said carriage; and means connecting said motor and said saw for driving said saw; said motor and said means connecting said motor and saw being positioned between the vertical planes of swing of the two parts forming the bifurcated end of the boom thereby permitting the bifurcated end of the boom to swing past said motor and said means connecting said motor and said saw.

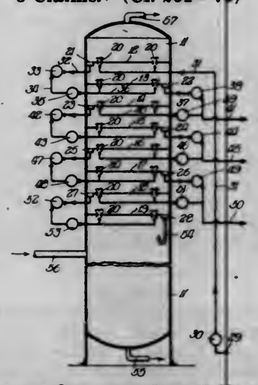


2,299,130

LIQUID AND GAS CONTACT APPARATUS

Gilbert D. Dill, New York, N. Y., assignor to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois

Application June 7, 1940, Serial No. 339,289
5 Claims. (Cl. 261—76)



1. Apparatus for providing intimate contact between liquids and gases, comprising a series of chambers separated by walls having openings therein, nozzles directed through each of said openings, means for introducing gas to one end of said series of chambers, means for withdrawing gas from the opposite end of the series, means for supplying liquid under pressure to said nozzles to form aspirating sprays through said openings, and means for withdrawing the liquid from certain of said chambers, for placing the withdrawn liquid under pressure and returning it to the nozzles spraying into an adjacent chamber.

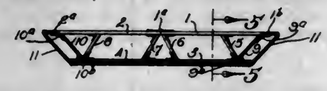
2,299,131

COLLAPSIBLE BOAT

Etienne Dormoy, San Diego, Calif.

Application May 17, 1941, Serial No. 393,972
7 Claims. (Cl. 9—2)

1. In a collapsible boat of the class described, the combination of a pair of upper frame members pivotally connected with each other at substantially the middle portion of said boat and forming the outline shape thereof, pivoted frame



members pivotally connected with each of said upper frame members and separate bottom members connected with said pivoted frame members and arranged in abutted relation with each other at substantially the middle portion of said boat.

2,299,132

MANUFACTURE OF CELLULOSE

Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application December 29, 1938, Serial No. 248,205. In Great Britain January 27, 1938
12 Claims. (Cl. 92—9)

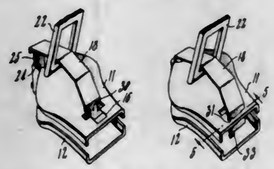
1. Process for the manufacture of cellulose, which comprises impregnating lignin-containing cellulosic materials with nitric acid of substantially less than 10% concentration under conditions such that the lignin is substantially unattacked, concentrating to at least 10% strength the acid in contact with the materials, subjecting the materials containing the more concentrated acid to a temperature at which the nitric acid attacks the lignin contained therein, and removing the lignin reaction products by treatment with an alkali.

2,299,133

SLIDER FOR SEPARABLE FASTENERS AND THE METHOD OF MAKING SAME

William R. Epes, Forest Hills, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application April 5, 1940, Serial No. 327,978
7 Claims. (Cl. 29—148)



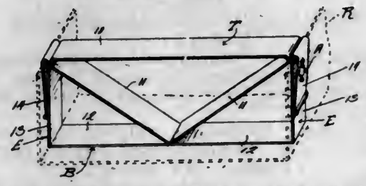
3. The method of making a slider for a separable fastener comprising the steps of forming a slider body with wings secured together at their front ends, forming an opening in the rear end of one wing having an enlarged head extending transversely of said wing and having a connecting branch opening extending rearwardly and longitudinally of said wing, forming a piece of flat spring metal into a combination bail and lock member having an end adapted to be secured to the front ends of said wings and having a locking head and a reduced portion formed on the other end of said member, longitudinally aligning the bail with the wing of the slider, extending the locking head through the head of the opening in the wing, moving the reduced portion of the bail adjacent to the locking head into the narrower branch opening with a generally rearward motion, and securing the other end of the bail to the front ends of the wings.

2,299,134

FILE DRAWER FOLLOWER

Thomas J. Eppes, Madison, Fla., assignor of one-half to Woodrow Gibson, Lee, Fla.

Application October 30, 1941, Serial No. 417,192
12 Claims. (Cl. 129—27)



1. A follower for a filing receptacle having two side walls, comprising a length of a material having a natural resiliency, bent upon itself to form a figure of rectangular form adapted to extend across the width of the receptacle between said side walls, said figure having a terminal portion of the material arranged at each end of the rectangle to coact with an adjacent portion of the material to form a spring clip adapted to releasably engage over an edge of a side wall.

2,299,135

PRINTING INK

Donald Robert Erickson and Paul J. Thoma, Kalamazoo, Mich., assignors to Michigan Research Laboratories, Inc., Kalamazoo, Mich.

No Drawing. Application June 4, 1942, Serial No. 445,803
2 Claims. (Cl. 260—30)

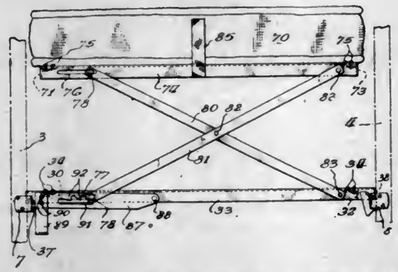
1. A printing ink comprising a varnish stable against separation of the binder at high atmospheric humidity conditions comprising a solvent comprising a liquid polyglycol, a binder comprising a solid resin selected from the group consisting of rosin modified by an alpha beta unsaturated organic polybasic acid and a terpene hydrocarbon of the formula $C_{10}H_{16}$ modified by an alpha beta unsaturated organic polybasic acid, mixed with a solid alcohol soluble phenolic resin soluble in said solvent and comprising a phenol formaldehyde condensation product modified with rosin, and a pigment.

2,299,136

BABY CRIB

Abraham G. Feldman, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois

Application August 31, 1939, Serial No. 292,759
5 Claims. (Cl. 5—11)



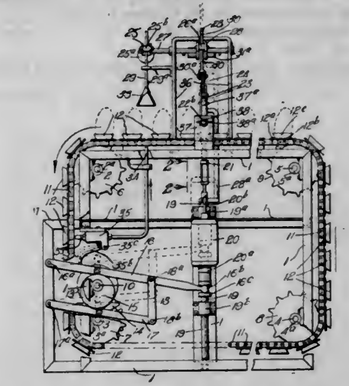
1. In a combined baby crib and dressing table, the combination with a crib having side and end enclosure members, a lower supporting frame of substantially rectangular shape secured to said end enclosure members in spaced relation to the lower ends thereof, a secondary spring frame adapted to support a mattress above said supporting frame, and a pair of cross arms at each end of said supporting frame, said cross arms extending to said spring frame, each cross arm having pivoted connection with one of said frames and having slidable connection with the other of said frames, to permit relative vertical movement of said spring frame with respect to the supporting frame, of a releasable latching lever pivoted to one of said frame members at one side of a slidable connection of one of each pair of said cross arms, said levers having a plurality of locking detents located to engage selectively a slidable portion of a cross arm to lock said cross arm in adjusted position with said spring frame raised to dressing table height, a handle carried by said levers and positioned for engagement by an operator, and spring means mounted between each of said levers and its mounting frame normally to urge said levers into locking position.

2,299,137

PIMENTO CORING AND CLEANING MACHINE

Robert P. Geren and Earl R. Vick, San Diego, Calif., assignors to Old Mission Packing Corporation, Ltd., San Diego, Calif., a corporation of Nevada

Application February 4, 1941, Serial No. 377,308
9 Claims. (Cl. 146—52)



1. In a pimento coring machine of the class described, the combination of an intermittently shiftable pimento conveyor means, a reciprocally mounted revoluble hollow saw-tooth edge pimento coring bit intermittently shiftable to enter pimentos at one end on said conveyor means and pimento holding members arranged to intermittently engage pimentos at the end opposite the end entered by the bit and hold the same in stationary position on said pimento conveyor means during the coring by said bit.

2,299,138

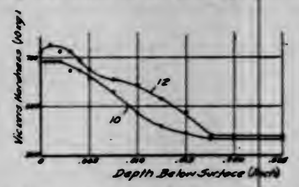
HEAT TREATING OF STEEL

John R. Gier, Jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 4, 1941, Serial No. 413,625
6 Claims. (Cl. 148—17)

1. In the method of case hardening stainless steel containing from .05% to .90% carbon and

10% to 15% chromium, in combination, the step of heating the steel in an atmosphere comprising

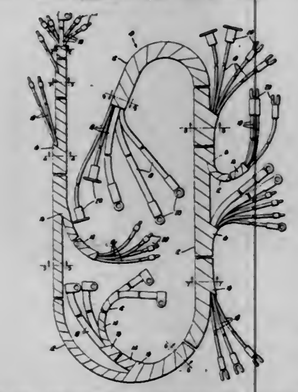


dissociated ammonia and from 0.1% to 3% of methane.

2,299,139
LUBRICANT
Corydon M. Grafton, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 10, 1941, Serial No. 387,864
7 Claims. (Cl. 252—34)

4. A rubber to metal high viscosity lubricant comprising an ethanolamine soap as the major non-aqueous ingredient in admixture with starch present in amount sufficient to form a substantially non-flowing aqueous solution with said soap.

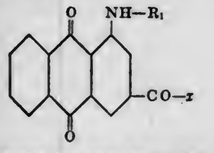
2,299,140
WIRE HARNESS
Ernest R. Hanson, Bloomfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York
Application June 28, 1939, Serial No. 281,503
3 Claims. (Cl. 174—72)



1. A wire harness construction comprising a main bundle of a plurality of unconnected, separately insulated, individual wires, one or more of which is separated from the main bundle at intervals to form an insulated leg wire or wires, and a wrapping of stretched tape over the main bundle and the juncture of the leg wire or wires, serving to draw together the wires in the bundle, said tape comprising a plasticized vinyl resin, said resin being of the group consisting of resinous polymeric vinyl halides, resinous polymeric vinyl esters of the lower aliphatic acids and a resinous product resulting from the conjoint polymerization of a vinyl halide with a vinyl ester of a lower aliphatic acid, the resin being substantially impervious to water, dust, acids, alkalis, gasoline and oil, and being capable of elastic recovery after stretching and, when in tape form, being capable of stretching along one edge without the other to provide a wrapping at said juncture substantially free from puckered edges.

2,299,141
NITROGENOUS ANTHRAQUINONE DERIVATIVE
Hermann Hauser, Binningen, and Max Bommer, Riehen, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 26, 1938, Serial No. 221,440. In Switzerland July 29, 1937
3 Claims. (Cl. 260—377)

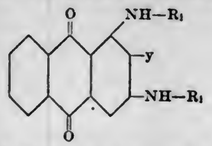
1. Nitrogenous anthraquinone derivatives of the general formula



wherein x stands for an aromatic hydrocarbon substituent and R_1 is an aromatic acyl radical free from hetero atoms and cyclically bound carbonyl groups, said derivatives dyeing vegetable fibers fast yellowish tints.

2,299,142
VAT DYESTUFFS AND PROCESS OF PREPARING SAME
Hermann Hauser, Binningen, and Max Bommer, Riehen, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 17, 1939, Serial No. 284,966. In Switzerland July 20, 1938
3 Claims. (Cl. 260—368)

2. Products of the general formula



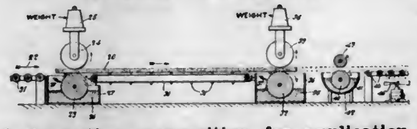
wherein y stands for a member of the group consisting of $—CH_3$ and $—OCH_3$ and R_1 stands for a radical of a 4-benzoylaminoanthraquinone linked in the position 1 to the imino group.

2,299,143
PIPE CONNECTION
Harold Hellwig, Los Gatos, Calif.
Application June 14, 1941, Serial No. 398,084
4 Claims. (Cl. 287—54)



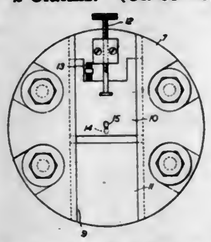
1. Two angularly disposed and connected pipes, one of said pipes having a flattened end portion with its major axis disposed longitudinally of said other pipe and its minor axis of such amplitude that the projection of the end face of said flattened end portion on said other pipe defines an area having substantially straight side edges extending longitudinally of said other pipe, said flattened end portion being free from such preshaping as would be required to conform said end portion in its unflattened condition to the curvature of said other pipe.

2,299,144
FUSIBLE COATING COMPOSITION
Clark C. Heritage and Henry E. Walter, Cloquet, Minn., assignors to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware
Application May 22, 1939, Serial No. 274,942
4 Claims. (Cl. 106—273)



1. A coating composition for application in melted form to produce a coating having imperfect moisture-barrier properties, which is hard and non-tacky at ordinary temperatures and at temperatures up to about 160° F., said composition comprising essentially 10% to 15% asphalt, 60% to 75% gilsonite, 10% to 30% montan wax, and 0% to 8% paraffin wax.

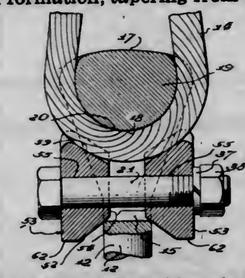
2,299,145
TREATMENT OF TEXTILE MATERIALS
Frank Brentnall Hill, Maitland Walton Alford, and Thomas Jackson, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application June 26, 1940, Serial No. 342,494
In Great Britain July 31, 1939
2 Claims. (Cl. 68—6)



2. An orifice device for the passage of textile materials through a wall of a treatment vessel, comprising two members having surfaces overlapping each other, said members being mounted in sliding relation one to the other, pear-shaped apertures in the overlapping parts of the members, the smaller end of an aperture in one member pointing in the opposite direction to that of an aperture in the other member and the apertures themselves overlapping each other, and means for causing relative sliding movement between the members to enable the apertures to overlap each other by varying amounts and thereby to provide an opening for textile material that may be considerably varied in size while remaining substantially circular in shape.

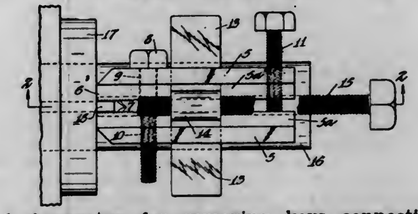
2,299,146
GUY ROD GROUNDING CLAMP
David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application May 31, 1941, Serial No. 395,922
9 Claims. (Cl. 24—136)

8. A grounding clamp assembly comprising a guy rod having a head provided with an eye aperture, a cable passing through said eye and engaging the yoke of said eye, a pair of clamping members disposed in said eye on opposite sides thereof, and a bolt passing through said clamping members and through said eye, threaded means on said bolt for drawing said clamping members toward each other, said clamping members being of tapered formation, tapering from the outer side



thereof toward the inner side, whereby they are adapted to effect a wedging contact with the cable and eye, said clamping members being formed with a partially frusto-conical surface engaging that portion of the eye opposite to the cable, each of said clamping members having a groove formed on its cable-engaging side, and said groove being of substantially the same radius as the radius of the cable which it is intended to receive.

2,299,147
KEY PULLER
Charlie J. Janousek, Kenyon, Minn.
Application December 30, 1940, Serial No. 372,300
2 Claims. (Cl. 29—86.1)

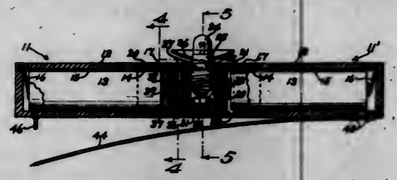


1. Apparatus for removing keys connecting shafts with wheels and pulleys and the like comprising, a pair of relatively movable jaw members, means interconnecting said jaw members for drawing them toward each other, said means being releasable from said jaw members, said jaw members having oppositely disposed apertures therein, said apertures being formed on axes transversely of said jaw members, a cross member having a threaded central aperture and having laterally extending arms slidably extending through the apertures in said jaw members, and a threaded pressure pin extending through the threaded aperture in said cross member and adapted to be moved longitudinally between said jaw members.

2,299,148
FLASHLIGHT
Lawrence L. Johnson, Chicago, Ill.
Application August 2, 1941, Serial No. 405,141
10 Claims. (Cl. 240—10.6)

10. A flashlight comprising lamp carrying means and battery carrying means connected thereto for convenient detachment, the latter means comprising outer insulating means having

battery means mounted therein to be readily removable therefrom and being provided with electric conductor means extending from the first terminal means of said battery means outward beyond the insulating means, the lamp carrying means comprising a tubular member capable of conducting electricity and which detachably engages and retains said outer insulating means and also forms an electric connection with said



conductor means, movable insulating means carrying a lamp bulb therein and being therewith rotary in said tubular member, and means, including contact means connected with the second terminal means of the battery means and also cooperating contact means movable with said insulating means and bulb, for opening and closing the circuit thru the battery means and the bulb by rotating the latter in the tubular member.

2,299,149

METHOD OF REMOVING ORGANIC SULPHUR FROM GASES OR VAPORS

William A. Kemper, Baltimore, Md., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland

No Drawing. Application February 20, 1940, Serial No. 319,941

12 Claims. (Cl. 23—3)

1. A method of removing organic sulphur from gases and vapors which includes forming an alkali carbonate that is highly reactive to organic sulphur by decomposing the bicarbonate of said alkali while assuring an absence of water substantially from the initiation of and throughout the formation of said carbonate and maintaining the temperature below 400° C., and flowing the gases or vapors over the activated carbonate while heated to a temperature below 400° C. and above a minimum temperature which is on the order of 250° C.

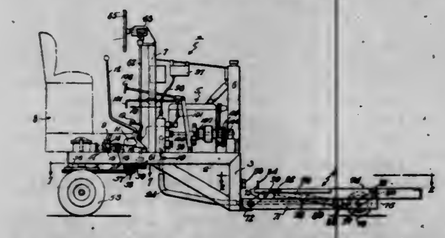
2,299,150

TRANSPORTATION APPARATUS

Leo J. Kennedy, Gloucester, Mass., assignor to Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass., a corporation of Massachusetts

Application May 23, 1940, Serial No. 336,724

4 Claims. (Cl. 180—54)



1. Apparatus for transporting heavy loads for short distances, comprising a pair of wheels capable of being steered and driven, means for driving the same, a pair of supporting wheels, a frame mounted between and upon said pairs of wheels, including a platform for receiving the load, and means to adjust the position of said supporting wheels, relative to said platform, thereby to lift the platform and load thereon.

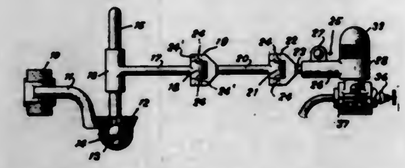
2,299,151

DENTAL DRILL

Ralph Kestler, Corona, Long Island, N. Y.

Application November 1, 1941, Serial No. 417,441

2 Claims. (Cl. 32—40)



1. A device of the kind described comprising a plastic compound pad adapted to be held in the mouth of a patient, a ball joint carrying an adjustable vertical pin, a sleeve riding on said pin, an integral arm connected to said sleeve, a link connected to said arm, a drill holder carrying a drill connected to the other end of said link, and means comprising said sleeve for guiding said drill for cutting adjacent teeth walls parallel to each other.

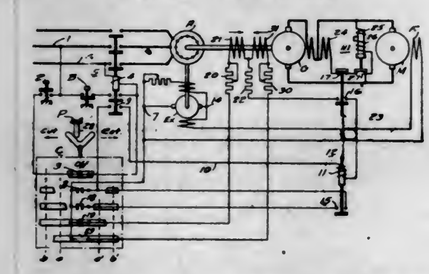
2,299,152

VARIABLE VOLTAGE CONTROL SCHEME

George E. King, Wilkinsburg, and William H. Formhals, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 30, 1941, Serial No. 417,162

5 Claims. (Cl. 172—240)



1. In a reversing control for a direct current motor operating a reversing mechanism, in combination, a direct current motor having a field winding and an armature winding, means for exciting the field winding, a generator having an armature winding connected to the motor armature winding to cause operation of the motor, means for operating the generator, said generator having a field winding for causing the motor to operate in one direction and a second field winding for causing the motor to operate in the other direction, control means operable to alternately energize said generator field windings and means for simultaneously energizing said generator field windings during the transition of said alternate energization of said generator field windings.

2,299,153

SUPPORTING CLAMP FOR MOUNTING FITTINGS IN CONDUITS

Arthur O. La Ducer, West Hartford, Conn., assignor to The Wiremold Company, a corporation of Connecticut

Application June 28, 1941, Serial No. 400,202

3 Claims. (Cl. 174—52)



1. The combination comprising a wiring conduit having side walls formed with a pair of oppositely disposed longitudinal internal grooves, a fitting mounted in said conduit, and mounting means securing the fitting and the conduit together comprising a generally U-shaped integral clamp body having gradually divergent legs connected by a bar, the extremities of said legs being bent outwardly and engaging in the oppositely disposed grooves in the conduit side walls, leg-expanding means arranged between the gradually divergent legs, and screw means engaging with the fitting and also with the leg expanding means in such manner as to hold the fitting securely against the clamp bar and to hold the leg-expanding means drawn up between the clamp legs so that said legs are wedged tightly in the conduit grooves.

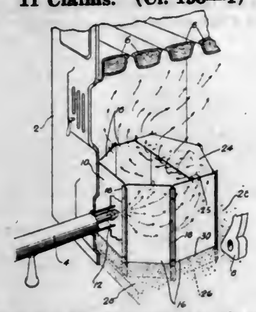
2,299,154

REFRACTORY ASSEMBLY FOR HEATING PLANTS

Paul Henry Lair, Newton, Mass.

Application December 12, 1939, Serial No. 308,784

11 Claims. (Cl. 158—1)



1. A heating plant combustion chamber adapted to withstand high combustion temperatures, comprising sections composed of a refractory metal, and means for so joining the said sections for independent movement relatively to each other as to permit adjustment of the chamber after assembly and installation in a heating plant as well as removal of the chamber as an unmutilated unit from the plant.

2,299,155

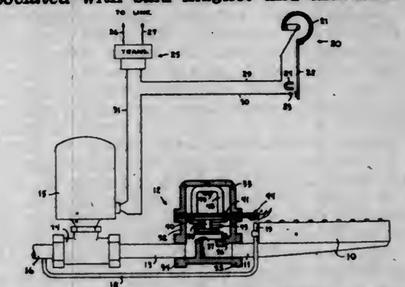
SAFETY VALVE

Frederick E. Lange, Lincoln, Nebr., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application March 27, 1941, Serial No. 385,426

10 Claims. (Cl. 137—139)

1. A safety mechanism for a fluid fuel burner comprising a control device biased to a fuel flow preventing position, holding means comprising a magnet and armature for retaining the control device in a fuel flow permitting position against its bias, and a member of Curie point metal associated with said magnet and armature for



shunting the flux from said magnet as long as said member is below its Curie point.

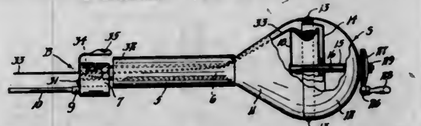
2,299,156

FISHING REEL

Franklin C. A. Lind, Randolph, Minn., assignor of one-third to Harry R. E. Lind, Minneapolis, and one-third to John Milton Lind, Red Wing, Minn.

Application October 7, 1940, Serial No. 359,986

5 Claims. (Cl. 43—20)



1. Fishing apparatus comprising a tubular handle member constituting a line guide, a generally ovate shell secured to an end of said handle and having an aperture coinciding with the tubular portion of said handle, and a spool rotatably mounted in said shell in a first position with its rotational axis normal to the longitudinal axis of said line guide, and said spool being shiftable to a second position in said shell to bring its rotational axis into substantial alignment with said aperture and tubular line guide.

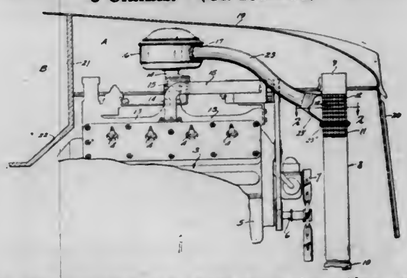
2,299,157

APPARATUS FOR SILENCING AIR INTAKES OF INTERNAL COMBUSTION ENGINES

Wilfred W. Lowther, Minneapolis, Minn., assignor to Donaldson Company, Inc., St. Paul, Minn., a corporation of Delaware

Application September 27, 1940, Serial No. 358,648

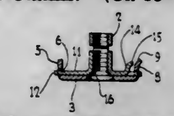
3 Claims. (Cl. 180—54)



1. The combination with an automotive vehicle having a passenger compartment, an engine compartment, a liquid cooled internal combustion engine located in the engine compartment and having an air intake equipped with an air

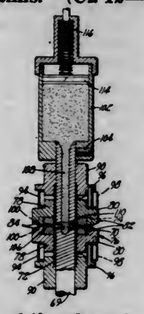
cleaner, and an engine cooling radiator with liquid conduits and air passages surrounding said conduits, said radiator being located with one side thereof exposed to the front of the engine compartment and the other side thereof exposed to air outside of and in front of the engine and passenger compartments, of an air intake conduit spaced from the engine and extending from the air cleaner forwardly within the engine compartment and having its intake end forwardly directed and terminated against an air pervious portion of the radiator, the front side of which portion is directly exposed to the rearwardly directed air blast entering the engine compartment through the radiator, whereby sound waves emitted from the intake end of the intake conduit will be projected forwardly and outwardly through the interrupted air passages of the radiator and become reduced in volume during such outward passage through the radiator and will thereafter be carried largely out of audible range of the vehicle passengers.

2,299,158
GANG CHANNEL FASTENER
Richard W. Luce, Southport, Conn.
Application February 18, 1941, Serial No. 379,466
10 Claims. (Cl. 85—32)



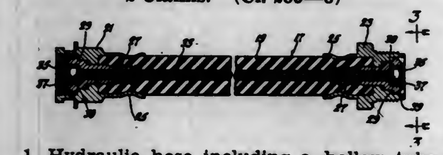
5. A channel nut structure of the kind described comprising in combination a sheet metal channel-shaped strip and a sheet metal nut within the strip including a flange engaging the channel-shaped strip, and releasable interengaging means on the channel and the nut for retaining the nut in the channel and positioned therein with limited movement, said interengaging means including resilient portions deformable for inserting and removing the nut from the channel.

2,299,159
FINISHING TOOL
Harry Lyon, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 29, 1940, Serial No. 348,251
18 Claims. (Cl. 12—17)



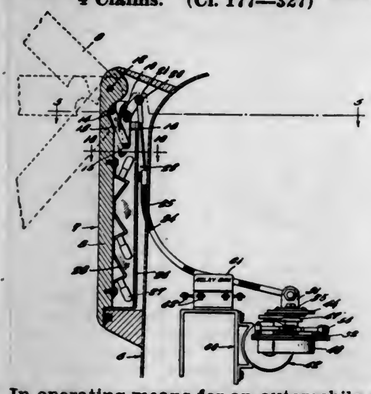
1. In a machine of the class described, a rotatable shaft, a finishing tool comprising a plurality of work engaging sections which are mounted on the shaft, said sections being rotatable as a unit together with the shaft and also being mounted for a limited degree of rotation as a unit relatively to the shaft, and means responsive to the rotative movement of the sections relatively to the shaft for effecting relative movement of said sections lengthwise of the shaft to cause the effective width of the tool to be varied in accordance with the thickness of the work.

2,299,160
HYDRAULIC BRAKE HOSE
Earle S. MacPherson, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 31, 1941, Serial No. 395,989
2 Claims. (Cl. 285—8)



1. Hydraulic hose including a hollow tube of deformable material having attaching fittings of metal at its ends, each of said fittings comprising an outer tubular element and an inner tubular nipple adapted to be assembled within said outer element, said hollow deformable tube adapted to be clamped between said outer element and nipple the remote ends of said nipples being internally extending through said deformable tube and having terminal abutments engaging said shoulders.

2,299,161
VEHICLE SEMAPHORE SIGNAL MEANS
Rufus A. Mann and William H. Mills, Kingsport, Tenn.
Application July 3, 1940, Serial No. 343,848
4 Claims. (Cl. 177—327)



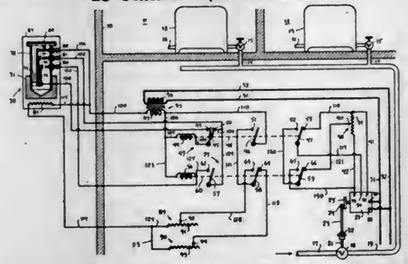
1. In operating means for an automobile signal of the semaphore type, an electric motor operatively connected to the semaphore, said motor having a rotary eccentric element operatively connected to said semaphore, electro-mechanical means effectively connected between a source of electrical energy and said motor for controllably energizing the motor, said electro-mechanical means including manual control switch means, said manual control switch means being operative to condition said electro-mechanical means to predetermine an operated position of said semaphore arm, said electro-mechanical means comprising a pair of reversing relays connected to the field of said motor for reversing the direction of current therethrough, left turn, right turn, stop and return switches arranged for operation in rotation by, said rotary eccentric element of said motor and connected between said reversing relays, said manual control switch means and said source, and operative to deenergize the motor and stop the semaphore arm in the signalling position selected by manual operation of said manual control switch means.

2,299,162
ELECTRICALLY HEATED SINUS PAD
Louis Marick, Grosse Pointe Farms, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application May 22, 1941, Serial No. 394,611
3 Claims. (Cl. 128—399)



3. An electrically heated sinus pad comprising, a forehead covering band portion, a band portion for covering the central portion of the face below the eyes and a connecting bridge portion for covering the bridge of the nose, said portions together forming a fabric support for heating elements, a pair of conductor wires extending along each of said portions in spaced relation to each other, a non-metallic heating element for each of said portions and each consisting of a fabric strip wide enough to cover a substantial portion of the face and rendered conductive by conductive rubber applied thereto to form a sheet conductor, each strip having its side edges secured to said wires whereby to cause a heating current to flow substantially uniformly across these strips when a different electric potential is maintained between said wires, the operating temperature of the sheet conductor being only a few degrees above that applied to the face.

2,299,163
CYCLING MULTISTAGE TEMPERATURE CONTROL SYSTEM
William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 24, 1938, Serial No. 247,564
13 Claims. (Cl. 236—68)



1. In a temperature control system, temperature changing means for a space, a controller outside of the space and including temperature changing means and thermostatic means responsive to the temperature of the controller, said thermostatic means including a plurality of pairs of contacts which are sequentially closed upon continuous temperature change in one direction, electrically operated means for controlling the operation of both said temperature changing means for the space and said temperature changing means for the controller, means connecting the contacts of said thermostatic means with said electrically operated means and operative to cause said electrically operated means to cause the operation of both said temperature changing means for the space and the temperature changing means of the controller at a rate dependent upon the number of pairs of contacts in engagement.

2,299,164
BRAZING LIGHT METALS
Mike A. Miller, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 30, 1940, Serial No. 348,545
11 Claims. (Cl. 148—26)

1. A method of producing a brazed joint between metallic members at least one of which consists of a light metal, comprising effecting the brazing in the presence of an inorganic salt flux containing up to about 7.7 per cent by weight of available zinc and adapted to effect a rapid and efficient removal of oxide film on the surface of said members, in view of said limited zinc content, without substantial effect upon the properties of the brazed joint apart from the effect of the oxide film removed.

2,299,165
BRAZING LIGHT METALS
Mike A. Miller, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 30, 1940, Serial No. 348,546
11 Claims. (Cl. 148—26)

1. A method of producing a brazed joint between metallic members at least one of which consists of a light metal, comprising effecting the brazing in the presence of an inorganic salt flux containing up to about 9.8 per cent by weight of available cadmium and adapted to effect a rapid and efficient removal of oxide film on the surface of said members, in view of said limited cadmium content, without substantial effect upon the properties of the brazed joint apart from the effect of the oxide film removal.

2,299,166
BRAZING LIGHT METALS
Mike A. Miller, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 30, 1940, Serial No. 348,547
11 Claims. (Cl. 148—26)

1. A method of producing a brazed joint between metallic members at least one of which consists of a light metal, comprising effecting the brazing in the presence of an inorganic salt flux containing at least one of the group of zinc salts consisting of zinc chloride, zinc bromide, and zinc fluoride in the proportions of 0.01 to 16 per cent zinc chloride, 0.01 to 27 per cent zinc bromide, and 0.01 to 12 per cent zinc fluoride, the total amount of said zinc salts calculated on the basis of zinc concentration not exceeding a zinc content of about 7.7 per cent, and from 0.01 to 0.5 per cent of at least one halide of the group of metals below aluminum in the electromotive series in addition to zinc, the total amount of said halides not exceeding about 0.5 per cent, said flux being adapted to wet said members more effectively, in view of the presence of at

least one of the last named group of halides within the aforesaid proportions, than the same flux devoid of said halide component.

2,299,167
BRAZING LIGHT METALS
Mike A. Miller, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 30, 1940, Serial No. 348,548
11 Claims. (Cl. 148—26)

1. A method of producing a brazed joint between metallic members at least one of which consists of a light metal, comprising effecting the brazing in the presence of an inorganic salt flux containing at least one of the group of cadmium salts consisting of cadmium chloride, cadmium bromide, and cadmium fluoride in the proportions of 0.01 to 16 per cent cadmium chloride, 0.01 to 24 per cent cadmium bromide, and 0.01 to 13 per cent cadmium fluoride, the total amount of said cadmium salts calculated on the basis of cadmium concentration not exceeding a cadmium content of about 9.8 per cent, and from 0.01 to 0.5 per cent of at least one halide of the group of metals below aluminum in the electromotive series in addition to cadmium, the total amount of said halides not exceeding about 0.5 per cent, said flux being adapted to wet said members more effectively, in view of the presence of at least one of the last named group of halides within the aforesaid proportions, than the same flux devoid of said halide component.

2,299,168
BRAZING LIGHT METALS
Mike A. Miller, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 30, 1940, Serial No. 348,549
9 Claims. (Cl. 148—26)

1. A method of producing a brazed joint between metallic members at least one of which consists of a light metal, comprising effecting the brazing in the presence of an inorganic salt flux containing from 0.01 to 0.5 per cent of at least one halide of the group of metals below aluminum in the electromotive series, with the exception of zinc and cadmium, the total amount of said halides not exceeding about 0.5 per cent, said flux being adapted to remove the oxide film on the members with virtually no deposition of metal from the halides of the aforesaid group of metals.

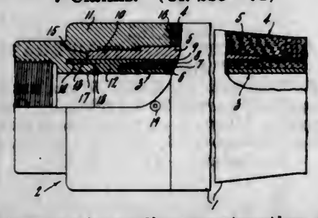
2,299,169
PROCESS OF MAKING EXTENDED PIGMENT WITH IMPROVED TINTING STRENGTH
Kenneth S. Mowlds, Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application August 2, 1940, Serial No. 350,057
2 Claims. (Cl. 106—294)

1. The process of producing an extended pigment of improved tinting strength comprising forming a precipitate of $BaSO_4$ and ZnS, the precipitation of the $BaSO_4$ and ZnS being effected respectively by the simultaneous reaction of BaS with the sulfate of an alkali metal and of $ZnSO_4$ with the sulfide of an alkali metal, said sulfate of alkali metal and sulfide of alkali metal existing in the same aqueous bath and being continuously regenerated simultaneously in the process and said precipitation being effected without substantial direct reaction between the barium and zinc liquors by introducing the BaS and $ZnSO_4$ at places in the aqueous bath remote from each other.

2,299,170
PROCESS OF MAKING COMPOSITE PIGMENTS
Kenneth S. Mowlds, Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application August 2, 1940, Serial No. 350,059
18 Claims. (Cl. 106—294)

11. A process of making a composite pigment of the group consisting of lithopone, cadmium lithopone and cadmium-zinc lithopone, said process comprising simultaneously introducing an aqueous solution of BaS and an aqueous solution of sulfate of other metal whose sulfide forms a component of the composite pigment into a bath of an aqueous salt solution whose cations are of the alkali metal group and the anions of which are of at least one member of the group consisting of sulfide and sulfate ions and are exclusive of other ions, and carrying out said process under conditions which promote metathetical reaction between the BaS and the sulfate of alkali metal regenerated in the process and between said sulfate of other metal and the alkali metal sulfide regenerated in the process and which minimize direct reaction between the first-named salts by introducing said first-named salts at places in the aqueous bath remote from each other.

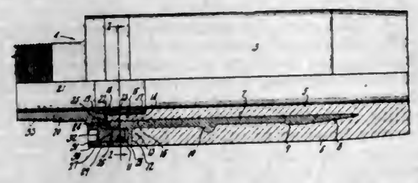
2,299,171
ROTARY HOSE COUPLING
John A. Muller, Paterson, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 18, 1941, Serial No. 375,010
7 Claims. (Cl. 285—71)



3. A hose and coupling construction comprising in combination a rigid tubular nipple, a hose having a tubular wall of rubber composition inside the nipple, the wall having a portion of soft yieldable rubber composition projecting beyond the nipple, a coupling member secured to the nipple, said coupling member and nipple being adapted to be assembled by relative axial movement, and said coupling member having an axially extending annular recess open at one of its axial ends and adapted to receive the projecting portion of the tubular wall when the coupling and nipple are assembled.

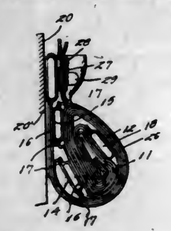
2,299,172
ROTARY HOSE COUPLING ASSEMBLY
John A. Muller, Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 10, 1941, Serial No. 422,313
1 Claim. (Cl. 285—78)

A unitary high pressure hose and coupling construction comprising in combination, a hose having inner and outer cylindrical walls, an elongated tubular nipple extending between the walls and in sealing contact with said walls, an integral circular flange projecting radially from the nipple outside of the walls and having a diameter substantially equal to the diameter of the outer wall to provide a smooth exterior surface on the hose and coupling, said flange having a radial surface forming an abutment for the end of said outer wall, a coupling member having a radial flange whose outer diameter is substantially equal to that of the outer wall of the hose and whose inner diameter is substantially equal



to the inner diameter of the inner wall of the hose to provide a smooth interior surface for said hose and coupling, said last mentioned flange having a radial surface forming an abutment for said inner wall of the hose, one of said flanges having an axially projecting circular rim of substantially the diameter of said thimble and co-axial therewith and the other of said flanges having a corresponding groove, a packing ring in said groove, and bolts located wholly within said flanges for drawing the flanges into sealing engagement with the packing ring, said bolts being located radially outside of the tubular nipple and within the circumference of said outer wall of the hose.

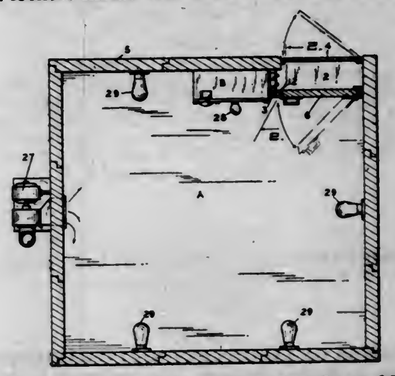
2,299,173
WINDOW SHADE
Elmer F. Pidgeon, Spiceland, Ind.
Application January 22, 1942, Serial No. 427,801
5 Claims. (Cl. 156—10)



2. In combination with a window shade of the type having means whereby the shade can be raised or lowered in its entirety and its lower end raised or lowered in folds relatively to its upper end; a fabric flap disposed behind the shade and attached at its upper edge to the upper end of the shade, said flap being adapted to be looped around the shade, when the shade is folded, for substantially enclosing the shade therein.

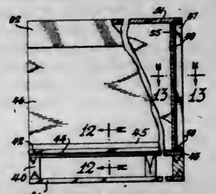
2,299,174
ADMISSION AND USE RECORDING DEVICE FOR ENCLOSURES
George T. Plummer, San Francisco, Calif.
Application February 5, 1941, Serial No. 377,452
3 Claims. (Cl. 161—15)

1. A control unit for gaining access to and registering the use of an enclosure and comprising a cabinet having a plurality of tiers of individual switches, doored lockers, and registering mechanism, said unit being so arranged that said switches are located outside said enclosure and said lockers inside said enclosure, a door lock for



obtaining access to said enclosure and capable of being actuated by said individual switches, and illuminating means provided in the enclosure and capable of being lighted and extinguished by said individually locked doors.

2,299,175
COLLAPSIBLE BOX
Paul S. Procissi and Raymond W. Butler, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 6, 1939, Serial No. 298,298
1 Claim. (Cl. 217—12)

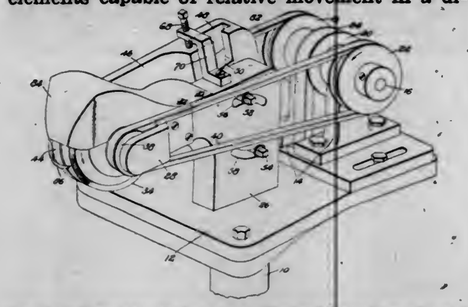


A collapsible container including a lift truck receiving pallet, having a groove in its top surface along each side, a strip mounted on the pallet in overlying cooperating relation to each groove to provide an outwardly opening channel and being of J-shape in section to afford an inwardly opening channel above the top surface of the pallet, a pair of side walls, each having adjacent its bottom edge a lateral projection for reception in the inwardly opening channel, a pair of detachable end walls and a lid having a dependent side portion terminating in an inwardly projecting flange slidably engageable with an upper portion of the side wall in the assembled relation of the parts and slidably engageable with the outwardly opening channel of the pallet in the knockdown position of the parts.

2,299,176
ROUGHING MACHINE
Edward Quinn, Saugus, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 1, 1941, Serial No. 391,329
5 Claims. (Cl. 69—1)

1. In a roughing machine, a rotary roughing

tool comprising two separately driven roughing elements capable of relative movement in a di-



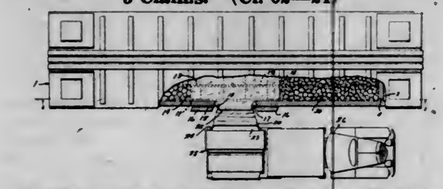
rection transverse to a roughened band produced upon a work piece by the machine.

2,299,177

PROCESS OF CONDITIONING COMMODITIES

Frank J. Reilly, Orlando, Fla., assignor to General American Precooling Corporation, Chicago, Ill., a corporation of Delaware

Application May 9, 1940, Serial No. 334,284
5 Claims. (Cl. 62—24)



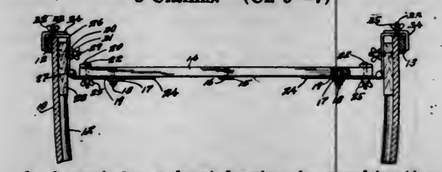
1. The method of refrigerating perishable articles housed in a storage space in a vehicle, comprising arranging a layer of ice upon the articles, forcing refrigerated air into the enclosure for circulation through the ice and against the articles, and supplying moisture to said air before it reaches the ice.

2,299,178

ADJUSTABLE BOAT SEAT

Lambert Reiter, Minneapolis, Minn.

Application February 24, 1941, Serial No. 380,262
5 Claims. (Cl. 9—7)



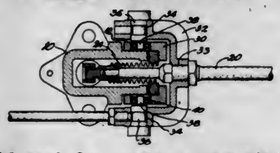
1. A seat for a boat having in combination, a central board-like seat portion, a plate-like member secured to the end of said portion, said member being movable longitudinally of said portion, means for holding said member in different positions to accommodate different widths of boats, a second member swingably connected to said member adapted to extend upwardly along the side wall of a boat, a third member slidably secured to said second member formed to extend over the top of and along the outer side of said wall, means for holding said third member in different fixed positions and means secured to the other end of said seat portion formed to extend over the top of and along the outer side of the other side wall of said boat.

2,299,179

FLUID SEAL

Albert J. Rosenberger, Wilmette, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois

Application September 8, 1941, Serial No. 409,996
4 Claims. (Cl. 286—29)



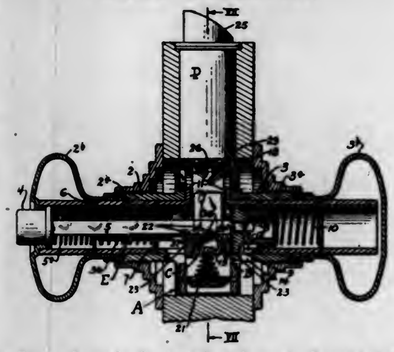
1. A fluid seal for pressure operated instruments comprising a hollow housing adapted to be exposed on its inside to a pressure different than that on its outside, a lever pivoted adjacent the housing and one end of which extends into the housing, a flexible sealing member connecting the lever and housing to prevent flow of fluid around the lever, and adjusting means for the pivotal mounting of the lever to shift its pivotal axis transversely of the lever length to neutralize the turning effect on the lever of pressure on said sealing member.

2,299,180

DOOR LOCK

Walter R. Schlage, Burlingame, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California

Application May 29, 1940, Serial No. 337,838
7 Claims. (Cl. 292—169)



1. In a door lock, a retractor, an inner and an outer spindle for independently actuating the retractor, a bar extending through the retractor and adapted to assume either a dogging position or a releasing position, a latch engageable with the bar to secure it in dogging position, said latch being movable independently of the retractor to release the bar from dogging position, and inertia-actuated means to prevent engagement of the latch with the bar when the bar is moved to dogging position by the force of inertia.

2,299,181

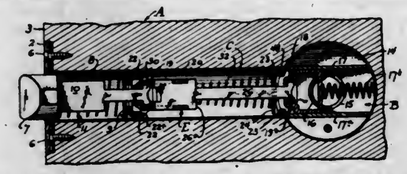
BACKSET EXTENSION UNIT FOR DOOR LOCKS

Walter R. Schlage, Burlingame, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California

Application August 24, 1940, Serial No. 354,034
2 Claims. (Cl. 292—337)

1. An extension unit of the character described, comprising a tubular housing adapted to

be interposed between the latch bolt retracting mechanism and the latch bolt of a lock, a bar slidably mounted therein, an end closure at one end of the housing through which one end of the bar extends and in which it is guided, a pair of



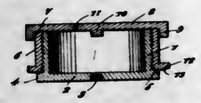
lugs on the same end of the bar adapted to be connected with the retracting mechanism, a head member on the opposite end of the bar and forming a guide therefor, and a pair of fingers on the head member adapted to be connected with the latch bolt.

2,299,182

EXPANSIBLE CONTAINER

John F. Schoof, Gettysburg, S. Dak.

Application January 8, 1942, Serial No. 426,089
6 Claims. (Cl. 45—28)



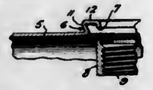
4. An extensible container comprising a main section having a bottom and an annular wall externally threaded, an extensible section internally threaded for adjustable engagement about the main section and having its upper end externally threaded, and a cover for said container having a depending internally threaded flange for engagement with the externally threaded upper end of the extensible section, the main section being formed with a threaded socket at the center of its under face, and said cover being provided with a threaded lug projecting from the center of its under face for engagement in the socket to removably hold the cover in place under the main section as an auxiliary base with its flange extending upwardly about the bottom of the main section.

2,299,183

SHEET METAL BARREL OR DRUM

Edgar E. Shanor, Sharon, Pa., assignor to The Petroleum Iron Works Company of Ohio, Sharon, Pa., a corporation of Ohio

Application December 29, 1939, Serial No. 311,651
4 Claims. (Cl. 285—49)



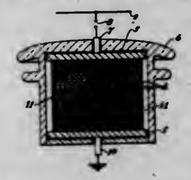
1. A sheet metal barrel or drum having a wall formed with an opening with provision for the deep seating of a plug without press fitting and other offsetting conditions likely to trap food and to prevent continuous lining and complete washing with antiseptic, the opening being defined by an external embossment of the wall, said embossment being outwardly flared, thence continued as a flat radial portion and terminating in a perpendicular skirt which enters the opening and is parallel with the axis thereof, and a plug receiving fitting aligned with the skirt and having an end homogeneously united to the bottom edge thereof, the outside diameter of the fitting being substantially the same as that of the skirt whereby the parts are in substantially flush relation and there are no crevices or the like which prevent continuous lining of the receptacle.

2,299,184

LIGHTNING ARRESTER

Joseph Slepian, Pittsburgh, and William E. Berkey, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 6, 1938, Serial No. 206,342
8 Claims. (Cl. 201—68)



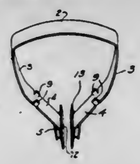
7. An excess-voltage protective device for the protection of an electric circuit against excess voltages, said device including a discharge element comprising a plurality of layers of conducting material disposed in series relation, and means for holding said layers under substantially constant normal contact pressure, said layers being substantially in contact with each other and having high-resistance contacts such that arc discharges occur between adjacent layers at a breakdown voltage less than 40 volts per layer, the resistance of said layers and high-resistance contacts being such that the discharge element is capable of carrying only a very small leakage current under the normal voltage of said protected circuit, and the number of layers being such that the normal voltage of said circuit per layer is less than the minimum voltage required to maintain an arc discharge between adjacent layers.

2,299,185

TIRE CHAIN MOUNTER

Andrew T. Smola, Cleveland, Ohio, assignor to The Cleveland Chain & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application February 19, 1940, Serial No. 319,617
3 Claims. (Cl. 81—15.8)

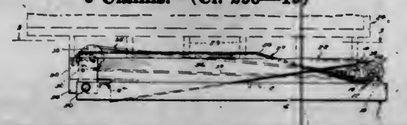


1. A tire chain mounter device comprising a body member formed of a strip of spring metal and conforming in outline substantially to the cross-section of a tire casing, outwardly offset curved T-shape hook members at the ends of said strip for temporary engagement with the respective side chain links adjacent the end of a nonskid chain unit, and integrally formed spaced inwardly extending pairs of gripping lugs providing intermediate bearing areas on the side portions of said body members subject to increasing frictional pressure against the lower side walls of the tire in response to the pull of said side chains in the course of applying said unit around the tire circumference.

2,299,186
HIGH SPEED STEEL HARDENING BATH
Haig Solakian and Louis Sarvis, New Haven, Conn.
No Drawing. Application April 29, 1939, Serial No. 270,915
1 Claim. (Cl. 148—30)

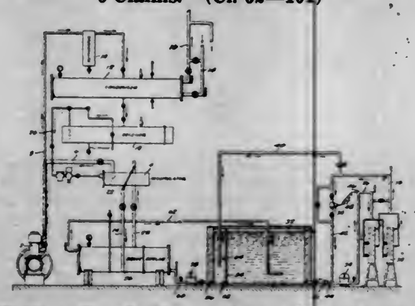
A fused salt bath for surface hardening high speed steel articles comprising the fusion of the following ingredients in substantially the following percentages by weight: barium chloride 12%; sodium cyanide 33%; sodium carbonate 43%; potassium carbonate 8%; and calcium fluoride 4%.

2,299,187
DUMP BODY LIFT OR THE LIKE
Austin J. Stearns, Seffner, Fla.
Application November 10, 1941, Serial No. 418,558
6 Claims. (Cl. 298—19)



1. In combination, a substantially horizontal, relatively stationary base, an upwardly tiltable support normally lying along and resting on portions of said stationary base, hinge means connecting said support and base at one end to permit said tiltable support to be tilted upwardly, a pair of transversely spaced longitudinal tracks on said stationary base, the said tracks having declining portions adjacent the ends remote from said hinge means, a pair of longitudinal rails depending from said tiltable support alongside of said tracks and below said tracks, the lower edges of said rails being inclined from adjacent said hinge means to their opposite ends, a transversely arranged rolling wedge disposed across said rails and tracks and positioned between the inclined lower edges of said rails and the declining portions of the tracks, and operating means for moving said rolling wedge along said tracks toward said hinge means to elevate said tiltable support.

2,299,188
REFRIGERATION SYSTEM
Ralph E. Stork, Hohokus, N. J., and Robert C. Russell, Greene, N. Y.
Application March 13, 1940, Serial No. 323,716
6 Claims. (Cl. 62—101)



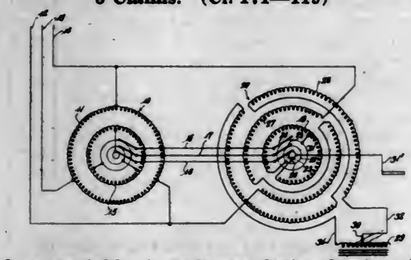
2. In a liquefied gas refrigerating system, the combination with a storage tank for a heat transfer and refrigeration storage medium, a cooler for said medium having connections to said tank whereby the medium may be brought into heat-exchanging relation to a liquefied gas refrigerant in said cooler and then discharged into said tank, a compressor and a condenser for the vaporized refrigerant from said cooler, and refrigerating equipment connected to said tank, of a pump in said refrigerating equipment connections for effecting circulation of said medium through said refrigerating equipment from the tank, means for varying the amount of said medium withdrawn from said tank by said pump and correspondingly the amount to be discharged from the refrigerating equipment into the tank in accordance with the temperature requirements of said refrigerating equipment, a second pump in the connections between said tank and said cooler constructed and arranged to produce a substantially constant flow of medium through said cooler and back to said tank, and means for substantially immediately directing the heated medium discharged from said refrigerating equipment into the intake of said second pump.

2,299,189
VINYL ETHER
Donald R. Swan, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 31, 1939, Serial No. 302,203
10 Claims. (Cl. 260—90)

3. A vinyl ether having the following formula:

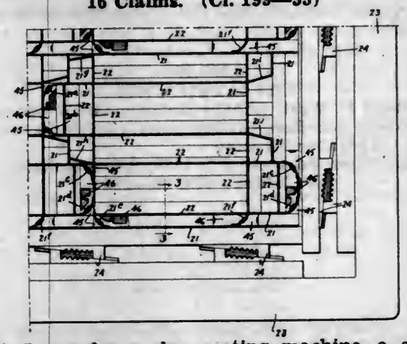
$$CH_2{=}CH{-}O{-}CH_2{-}O{-}CH_3$$

2,299,190
MOTOR CONTROL
Charles P. Sweeny, Detroit, Mich., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application July 11, 1939, Serial No. 283,899
8 Claims. (Cl. 171—119)



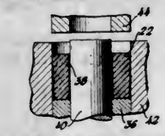
1. A variable impedance device having first and second relatively rotatable iron members, a first winding upon said first member connected to an alternating current circuit so that currents due to voltages in said circuit produce an oscillating field in the iron of said device, a second winding upon said second member, a third winding upon said second member positioned at right angles electrically to said second winding, said third winding being included in a high impedance circuit whereby the impedance thereof is reflected into said alternating current circuit when said first member is in a position relative to said second member so that said oscillating field cuts the conductors of said third winding, said second winding being connected to a source of alternating current to produce a second oscillating field in the iron of said device which is at right angles electrically to the first mentioned oscillating field when said first member is in said position, said first member having a position relative to said second member so that said oscillating fields are in alignment, said oscillating fields being of sufficient intensity to saturate the iron of said device when in alignment so as to reduce the impedance of said alternating current circuit and means to rotate one of said members relative to the other member.

2,299,191
CASTING RULE HOLDING UNIT FOR STAMPING FORMS
William Craig Toland, Brookline, Mass., assignor to Mergenthaler Linotype Company, a corporation of New York
Application November 22, 1940, Serial No. 366,543
16 Claims. (Cl. 199—55)



1. In or for a slug casting machine, a slug casting mold, and a core member positioned in said mold to divide the same into separate casting cavities, said core member having casting faces which are shaped to accord with the opposite side faces of a rule located in a stamping form in a position other than parallel with one side of the form.

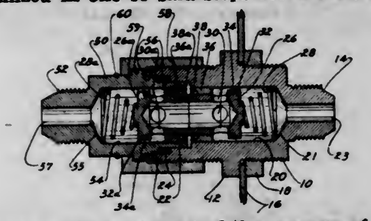
2,299,192
METHOD OF MAKING SINTERED ARTICLES
Herman Tormyn, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 7, 1939, Serial No. 293,664
5 Claims. (Cl. 75—22)



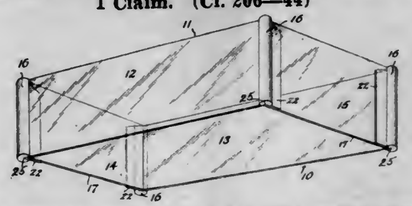
5. A method of making a sintered article which comprises, pressing ferrous metal powder under high pressure into a briquette having the general shape desired in the final article, sintering the briquette in a non-oxidizing atmosphere furnace at a temperature of about 2000° F. to 2050° F., thereafter applying copper powder to a surface of the sintered iron briquette, pressing the sintered iron briquette and copper powder to compact the copper powder and densify the sintered iron briquette, and thereafter sintering the sintered iron briquette, and copper facing at a temperature of approximately 1900° F. in a non-oxidizing atmosphere.

2,299,193
COUPLING
Walter C. Trautman, Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 29, 1941, Serial No. 376,462
1 Claim. (Cl. 284—19)

For use with a support, a disconnecting coupling for connecting the ends of a pair of conduits comprising two body members substantially coaxial with the ends of the conduits and with each other and having axial passages therethrough, one of said body members having an annular flange, a cooperating annular nut to grip the support when placed between them and thereby support the coupling, one of said body members having external threads, a cylindrical nut rotatably engaging the body member other than the one having said threads and said external threads, to connect the body members, a snap spring on the body member bearing the cylindrical nut to retain the nut, the ends of the body members having cooperating coaxial steps formed therein, a ring of rubber-like material vulcanized in one of said steps for a seal, a restriction in the outer end of the passage of each of said body members, a poppet valve within each member seating on said restriction, a spring within each body member acting on the valve to seat it, a perforated sleeve secured to the outer side of each of said valves and fitting the associated restriction closely, the perforations therethrough exceeding in cross sectional area any single passage within a body member, a ring of rubber-like material vulcanized to the face of the valve between the sleeve and the periphery of the valve, and a snap ring on the outer end of each of said sleeves to limit their stroke, said sleeves contacting each other to open the valves when the coupling is made, and failing to touch each other just before the last stages of disconnection of the coupling.



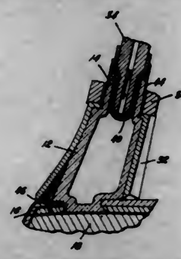
2,299,194
TRANSPARENT RECEPTACLE
Wallace Ungemach, Bronx, N. Y.
Application December 1, 1939, Serial No. 307,013
1 Claim. (Cl. 206—44)



A receptacle constructed from a sheet of thin flexible regenerated cellulose material, said sheet being cut and creased to define a main wall, side walls and side wall flaps, said side walls being folded on said crease lines into box formation and each secured to adjacent side walls respectively by adhesively bonding said flaps in overlapping relation to the edge portion of adjacent side walls, and a stiffening element of regenerated cellulose material at each corner of the receptacle, said stiffening elements each having a substantially V-shaped groove extending longitudinally thereof and defining angularly related faces adhesively bonded respectively to a side wall and the adjacent overlapped side wall and flap so as

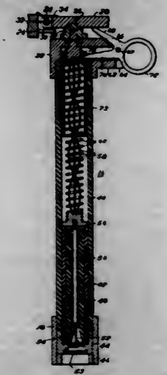
to stiffen the corners of said receptacle and reenforce the same in the region of the overlapped portions, said stiffening elements extending from the main wall to the free edges of the side walls for holding said side walls in box formation and preventing the inward collapsing of the same, while permitting of the longitudinal and transverse flexing of the said main and side walls.

2,299,195
METHOD OF HEEL FORMING AND ATTACHING
Alexis E. Ushakoff, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 26, 1941, Serial No. 420,556
6 Claims. (Cl. 12—142)



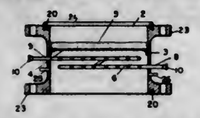
1. The method of attaching a plastic heel member to a shoe, which comprises providing an overhang on the heel seat of a shoe, softening at least a portion of the heel member, positioning said member on the heel seat, expanding the softened material by fluid pressure, and causing it to flow into permanent interlocking contact with the overhang.

2,299,196
CIRCUIT INTERRUPTER
James M. Wallace, Braddock, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 28, 1939, Serial No. 311,357
28 Claims. (Cl. 200—116)



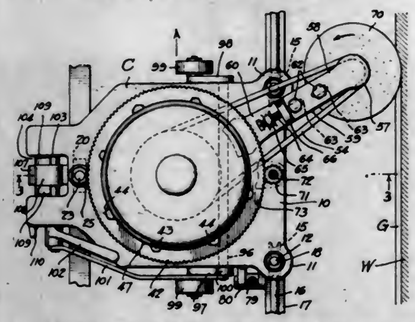
10. In a circuit interrupting device, a tubular interrupter casing having terminals adjacent opposite ends thereof, conducting means in said casing and connecting said terminals and including fusible means connected to an arc drawing terminal, resilient means normally held in a stressed condition by said fusible means and operable upon melting of said fusible means to move said arc drawing terminal away from said fusible means to elongate the resulting arc, said resilient means and arc drawing terminal constituting a movable assembly, actuating means slidably mounted in said casing and engageable by said assembly at a point in advance of the end of its path of movement, and latch releasing means movably mounted on said casing and having a part extending through a wall of said casing into engagement with said actuating means, means normally biasing said latch releasing means to releasing position, said latch releasing means being maintained in an inactive position by engagement of said part with said actuating means.

2,299,197
CATALYTIC UNIT
Howard F. West, Shaker Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application September 7, 1939, Serial No. 293,778
3 Claims. (Cl. 23—288)



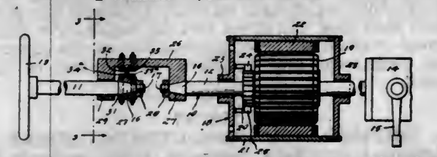
1. Catalytic apparatus comprising hollow assemblable cylindrical units with and flanges and take-up bolts, grooves in the faces of opposed flanges adjacent the bolts, rings engaging in the opposed grooves, spaced superposed removable trays for catalytic material in each unit, means for maintaining the catalytic material at a uniform temperature, including heat transfer coils outside of but between adjacent trays, and means for providing access to trays under coils, including easily demountable coil connection unions within the unit.

2,299,198
GROOVING MACHINE
Louis R. Williams, West Hollywood, Calif., assignor of one-half to Richard T. Avard, San Gabriel, Calif.
Application August 7, 1940, Serial No. 351,741
18 Claims. (Cl. 51—180)



13. A machine of the class described comprising: a carriage; a grooving element; means mounting said element from the carriage for rotary and revolving movements about parallel axes; means for driving the grooving element; and means whereby movement of the grooving element about the axis of revolution will effect adjustment of the element longitudinally of such axis.

2,299,199
MOTOR VEHICLE STEERING BOOSTER
Fremont E. Wood, Matahambre, Cuba
Application December 18, 1941, Serial No. 423,537
1 Claim. (Cl. 172—239)

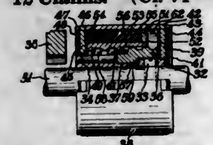


A steering apparatus comprising a steering gear section and a steering wheel section, said sections being turnably mounted on their longitudinal axes and being arranged in spaced end to end relationship, an electric motor, the armature of the motor being mounted on and secured to the steering gear section and disposed thereabout, a field carrying housing in which the armature is disposed and through which the steering gear section extends and in which it is journaled, a yoke having angularly extending ends, the adjacent end of the steering gear section being secured fast to one of the ends of the yoke, the other end of the yoke turnably engaging the steering wheel section, a crosshead mounted on the intermediate portion of the yoke, a crosshead keyed to the adjacent end of the steering wheel section, said crossheads being disposed one above the other, expansion spring means disposed between the complementary ends of the crossheads for normally holding said ends out of engagement, and switch contacts mounted on the ends of said crossheads for closing circuits to the electric motor when the contacts are closed, to energize the motor so as to cause it to turn the steering gear section in the same direction that the steering wheel section is being turned.

2,299,200
TREATMENT OF CELLULOSIC FABRICS
Pierrepont Adams, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 10, 1940, Serial No. 360,601
11 Claims. (Cl. 8—118)

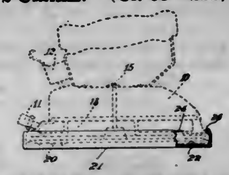
1. A process which comprises treating cellulosic fabrics with strong sulfuric acid of parchmentizing strength containing an aminotriazine.

2,299,201
ENGINE STARTER GEARING
Everett E. Baldwin, Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application November 26, 1938, Serial No. 242,545. Divided and this application October 1, 1940, Serial No. 359,259
12 Claims. (Cl. 74—7)



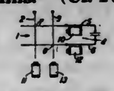
1. In an engine starter gear, a power shaft, a pinion member slidably journalled thereon for movement into and out of engagement with a member of an engine to be started, a flange member threaded to the pinion member in telescopic relation therewith, a driving member rigidly connected to the shaft having a flange located in advance of the threaded flange member in the direction of travel of the pinion member into operative position, a cylindrical block of elastically deformable material surrounding the telescoped members and having its ends bonded to the flanges of the threaded and driving members respectively to form a tensile connection therebetween, and stop means independent of the threaded flange member engageable by the pinion member when in driving position.

2,299,202
SHOE FOR STEAM PRESSING IRONS
Rubin Bass, Brooklyn, N. Y., assignor to American Plush & Velvet Pressboard Co. Inc., New York, N. Y., a corporation of New York
Application August 26, 1941, Serial No. 408,282
2 Claims. (Cl. 68—222)



2. A shoe for a steam pressing iron comprising a stiff canvas cover having a skirt around its edge for gathering it to the rim of a part of a pressing iron, a felt absorbent pad having its edge permanently secured to the canvas cover inside the skirt of the cover and a wire mesh stiffener having its edge permanently secured to said pad, the edge of the absorbent pad extending beyond the edge of the stiffener sufficiently to extend up around the rim of the pressing iron part inside of the skirt of the canvas cover and prevent leakage around the stiffener.

2,299,203
TELEPHONE SYSTEM
William M. Beaumont, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 5, 1940, Serial No. 344,025
14 Claims. (Cl. 179—22)



1. In a telephone system, lines, a link, a switch for connecting a calling line with a called line through said link, a line relay for each line, means responsive to the seizure of a calling line for operating the associated line relay to actuate said switch to connect a calling line with the link, means for operating and releasing said line relays in succession until the line relay of the desired called line is operated and means responsive to the operation of said last-mentioned line relay for actuating said switch to connect the desired called line to the link.

2,299,204
SAFETY RAZOR
James W. Beckman, Cincinnati, Ohio
Application May 14, 1938, Serial No. 208,041
3 Claims. (Cl. 30—64)

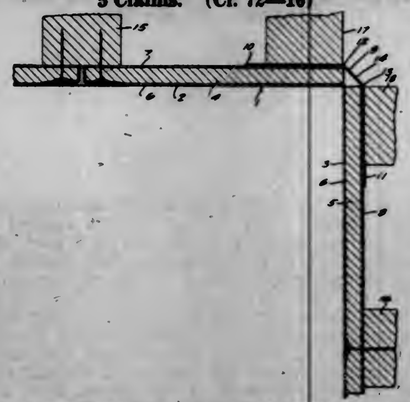
1. A two-part safety razor, said two parts being a cap with a guard bar at the lower end thereof, guides along the sides of the cap to hold a blade, and an extension at the upper end of

the cap extending rearwardly thereof, and a handle pivotally connected to the extension, said extension being at an angle substantially 90 de-



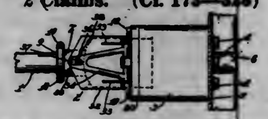
grees to the cap, and said handle having integral pressure means for direct engagement with the blade to effect a clamping action thereof against the cap.

2,299,205
WALL CONSTRUCTION
John H. G. Bell, White Plains, N. Y.
Application March 21, 1940, Serial No. 325,165
5 Claims. (Cl. 72—16)



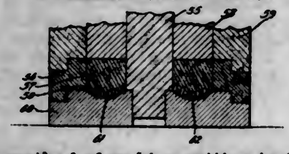
1. A wallboard corner piece comprising two body members in planes at an angle to each other and with their edges adjacent each other to form a corner, said members having edge surfaces respectively transverse to said planes and forming an angular opening therebetween, a continuous cover sheet held to the faces of said body members which form the interior angle at said corner, and a sheet of reinforcing material held to the opposite faces of said body members and extending between the edges of said body members which are formed at said rear faces thereof and in a plane across the angular opening between said edges of said body members.

2,299,206
CABLE CONNECTOR
Joseph S. Berg, Chicago, Ill.
Application August 3, 1940, Serial No. 350,693
2 Claims. (Cl. 173—328)



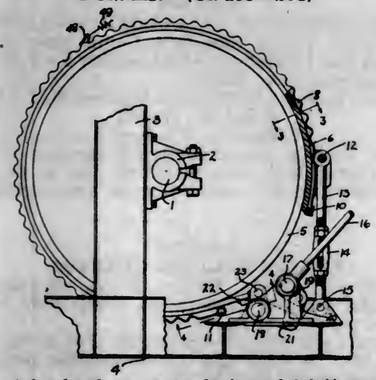
1. A separable circuit connector comprising a housing having one side open, a separate frame element secured at the open side of the housing with fastening means therefor affording a range of adjustment of the frame toward and from the housing, said frame including an inwardly extending flange forming a socket, a block of insulating material secured in said socket with circuit terminal elements mounted in the block and supported thereby independently of the housing, a detachable plug carrying insulated circuit terminals positioned respectively to engage the terminals in the housing, and a cover hinged to the frame normally serving as a closure for the open side of the housing but adapted to swing about its hinge to permit attachment of the plug, said cover then extending laterally adjacent the plug, and said plug and cover having cooperative abutment features inter-engageable when the cover is so positioned and opposing withdrawal of the plug.

2,299,207
METHOD OF MAKING CUTTING TOOLS
Arthur J. Bevillard, Anaheim, Calif., assignor to Bevil Corporation, Anaheim, Calif., a corporation of California
Application February 18, 1941, Serial No. 379,509
7 Claims. (Cl. 76—108)



1. The method of making cutting tools that includes, embedding hard cutting elements in a body of matrix metal with portions of said elements projecting out of the metal, applying to a die surface a layer of investing material, and pressing said cutting elements while held in the matrix metal against said layer to cause the elements to penetrate the layer and engage the die surface.

2,299,208
WATER COOLED BRAKE
Richard R. Bloss, Beaumont, Tex., assignor to The International Derrick & Equipment Company of Texas, a corporation
Application January 30, 1940, Serial No. 316,328
4 Claims. (Cl. 188—264)



1. A brake drum, a surfacing of friction material entirely around the periphery thereof, a brake band on said drum, an outer transversely corrugated wall secured to said band forming a chamber about said band, means to circulate a cooling fluid through said chamber and means to tighten said band upon said friction material and against said drum.

2,299,209
SELF-LOCKING NUT
Clare L. Brackett, Detroit, Mich.
Application May 22, 1941, Serial No. 394,722
3 Claims. (Cl. 151—21)

1. A self-locking nut comprising an internally threaded body provided on its work face with an annular axial extension inclined inwardly to the nut axis, said extension being apertured and threaded in conformity with the body threads and being compressible by work engagement flatly into the base of the nut, said body having



therein an internal annular recess inwardly of said compressible extension, and the body being further provided with a circumferential series of radial slots extending from the outer end face of the nut to substantially its middle to form locking segments.

2,299,210
PERFORATOR
Kuhn Calvert, Chauk, Burma, India
Application April 14, 1941, Serial No. 388,412
10 Claims. (Cl. 164—0.5)



1. In a gun type casing perforator, comprising a plurality of sections forming an elongated member, a plurality of gun units provided by the member each having association with a powder chamber, a longitudinal firing bore connecting groups of powder chambers whereby each group has its individual firing bore, a detonator unit for firing each group of gun units, each detonator unit including an electrically fused element having an explosive charge in surrounding relation therewith, and each said detonator unit having communication with the powder chambers of its group by means of its respective longitudinally extending firing bore.

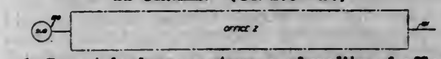
2,299,211
FLUID PRESSURE REMOTE CONTROL SYSTEM
Edward Claude Shakespeare Clench, London, England, assignor to Automotive Products Company Limited, London, England
Application May 7, 1940, Serial No. 333,869
In Great Britain May 11, 1939
19 Claims. (Cl. 121—38)

1. For a fluid pressure remote control system, a motor comprising in combination a cylinder having a pressure fluid connection at each end, a main piston having a piston rod extending through one end of said cylinder, a sleeve member telescopically slidable relative to the cylinder and the main piston, its movement relative to the main piston being limited by a projection on the sleeve member, a hollow stop member slidable in the opposite end part of the cylinder, its end nearest the main piston containing a member movable as one with the said main piston, and a main coiled compression spring urging the sleeve member in an axial direction away from the said one end of the cylinder, the arrangement being such that when pressure fluid is fed to only



one of the pressure fluid connections it causes the main piston to assume its extreme position nearest the opposite end of the cylinder; when no pressure liquid is fed to either of said end connections the main coiled spring urges the main piston to one intermediate position; and when pressure fluid is fed to both end connections simultaneously the main piston is urged to another intermediate position.

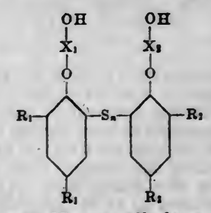
2,299,212
TELEPHONE SYSTEM
Raymond E. Collis, Summit, Emil L. Geis, Ridgewood, and Ralph E. Hersey, Madison, N. J., and Ottmar H. Kopp, Baldwin, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 3, 1941, Serial No. 400,892
11 Claims. (Cl. 179—27)



1. In a telephone system, a plurality of offices, trunks incoming to each of said offices, called lines in each of said offices, control equipment common to said offices, means to connect said control equipment to any one of said trunks, means to connect said control equipment with any one of said lines, switching equipment under the control of said control equipment by which a connection may be extended from any one of said trunks to any one of said lines, and means in said control equipment for preventing the connection of a trunk incoming to one of said offices with a line in the other of said offices.

2,299,213
SUBSTITUTED ARYLOXYALKYLOL SULPHIDES
Elmer W. Cook, New York, N. Y., and William D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 29, 1941, Serial No. 421,035
11 Claims. (Cl. 260—609)

1. Chemical compounds having the general formula



in which X_1 and X_2 are alkylene radicals con-

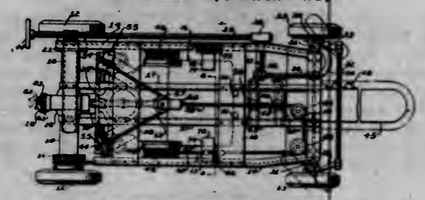
taining 2 to 4 carbon atoms inclusive, n is a positive integer not more than 2, and R_1 and R_2 are members of the group consisting of alkyl, cycloalkyl, and hydrogen radicals, at least one R_1 and at least one R_2 being a member of the group consisting of alkyl and cycloalkyl radicals.

2,299,214

TRANSPORTING TRUCK FOR FLOOR TYPE KERF-CUTTING MACHINES

Edward J. Doberstein, Blue Island, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application June 18, 1941, Serial No. 398,569
4 Claims. (Cl. 262—28)



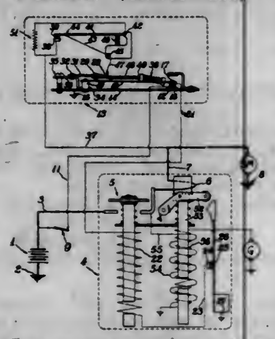
4. In combination with a mining machine of the floor type normally supported on the mine floor and having power-operated flexible feeding means, a transporting truck including a wheeled frame movable over said mining machine while the latter is resting on the mine floor, and having lifting means including a flexible cable extending along and leading from the longitudinal center of said truck to one side of said mining machine and being detachably connectible with the flexible feeding means on said mining machine for suspending said mining machine in transporting position between the truck wheels and above the mine floor.

2,299,215

CRANKING TIME LIMITER FOR ENGINE STARTERS

Manuel H. Elkin, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application November 14, 1940, Serial No. 365,683
9 Claims. (Cl. 200—122)



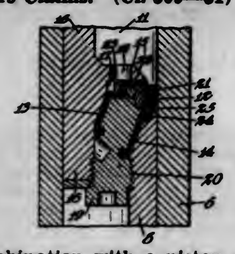
3. In a cranking time limiter for internal combustion engines, a control switch, thermostatic means for actuating the switch, means for heating the thermostatic means during the cranking operation, and means controlled in accordance with the energy of the heating means for periodically reducing the application of heat to the thermostatic means so as to maintain the average heating effect substantially constant.

2,299,216

PISTON SEALING DEVICE

Elov Ericsson, St. Paul, Minn.

Application July 31, 1939, Serial No. 287,563
15 Claims. (Cl. 309—31)



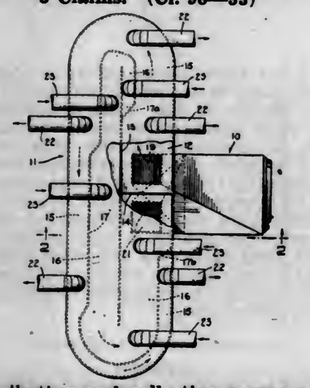
11. In combination with a piston, an annular expansible member having a skirt embracing the piston and extending longitudinally thereof, said piston and member forming between themselves a plurality of chambers, one of said chambers being in communication with a portion of the expansible member and also with the high pressure end of the piston thereby forming a high pressure chamber and another of said chambers being sealed from the high pressure end of the piston by the expansible member and thereby forming a low pressure chamber, the pressures of said chambers tending to control the expansion of said skirt and the area of said member directly subject to radial pressure in said high pressure chamber being substantially smaller than the area thereof subject to radial pressure in said low pressure chamber.

2,299,217

AIR TREATING APPARATUS

Herbert Alfred Faber, Cincinnati, Ohio

Application January 3, 1941, Serial No. 372,964
3 Claims. (Cl. 98—33)



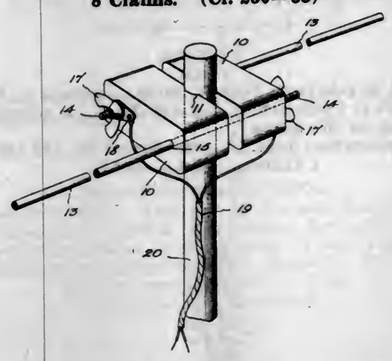
1. Distributing and collecting means comprising a box having a bottom wall, a top wall, and a peripheral lateral wall, all of which collectively define a closed chamber; internal partition walls dividing said chamber into a single duct-way doubled upon itself so that its terminal ends are mutually adjacent; internal partition walls dividing said duct-way into two side-by-side ducts of oppositely graduated cross-sections, respectively, each running from large to small substantially mutually uniformly, the large ends of said ducts being located at the said terminal ends, respectively, of said duct-way; a main inflow opening leading into the large end of one of said ducts; a main outflow opening leading from the large end of the other of said ducts; subsidiary outflow openings leading from said one duct at intervals along the length thereof substantially in accordance with the graduated character thereof, and subsidiary inflow openings leading into said other duct at intervals along the length thereof substantially in accordance with the graduated character thereof.

2,299,218

ADJUSTABLE DIPOLE ANTENNA UNIT

Alfred Fener, Brooklyn, N. Y.

Application November 24, 1941, Serial No. 420,229
8 Claims. (Cl. 250—33)



1. An antenna unit comprising in combination a pair of rod-holding members constituted of insulating material, each of said members being adapted to receive and to hold a metallic antenna rod and having a pole-engaging surface, means for holding said members in oppositely spaced position with respect to an interposed pole, and means for fixing said members with respect to said pole so that the said rods will extend in substantially opposite direction.

2,299,219

TUBE FOR PNEUMATIC TIRE

Leonard B. Foley, Alamosa, Colo.

Application August 11, 1941, Serial No. 406,392
3 Claims. (Cl. 152—340)



1. In a pneumatic tire, the combination of a first inner tube section, a second inner tube section, said first and second sections being respectively provided with a first wall and a second wall lying in face to face engagement, a valve assembly attached to the first section adjacent said first wall, a valve assembly attached to said second section adjacent said second wall, a flexible flap valve on said first wall normally spaced from said first valve assembly but sealingly engaging the first valve assembly through bending of said first and second walls upon partial deflation of the first section, and a flexible flap valve on said second wall normally spaced from said second valve assembly but initially sealingly engaging said second valve assembly through bending of said first and second walls upon partial deflation of said second section.

2,299,220

PROCESS FOR THE CATALYTIC PRODUCTION OF OLEFIN-SULPHUR DIOXIDE COMPOUNDS OF HIGH MOLECULAR WEIGHT

Frederick E. Frey, Robert Dewey Snow, and Walter A. Schulze, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Original application January 26, 1934, Serial No. 708,520. Renewed June 8, 1938. Divided and this application July 28, 1941, Serial No. 404,428
7 Claims. (Cl. 260—94)

1. The process of producing high molecular weight heteropolymers of olefins and sulphur dioxide, which comprises reacting an olefin with sulphur dioxide in the presence of an organometallic compound of the class consisting of alkyls and aryls of metals of the group consisting of mercury, lead and bismuth and containing more than one hydrocarbon radical.

2,299,221

PROCESS FOR THE CATALYTIC PRODUCTION OF OLEFIN-SULPHUR DIOXIDE COMPOUNDS OF HIGH MOLECULAR WEIGHT

Frederick E. Frey, Robert Dewey Snow, and Walter A. Schulze, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Original application January 26, 1934, Serial No. 708,520. Renewed June 8, 1938. Divided and this application July 28, 1941, Serial No. 404,429
7 Claims. (Cl. 260—94)

1. The process of producing high molecular weight heteropolymers of olefins and sulphur dioxide, which comprises reacting olefins with sulphur dioxide in the presence of an acid selected from the group consisting of nitric acid and nitrous acid.

2,299,222

PROCESS FOR THE CATALYTIC PRODUCTION OF OLEFIN-SULPHUR DIOXIDE COMPOUNDS OF HIGH MOLECULAR WEIGHT

Frederick E. Frey, Robert Dewey Snow, and Walter A. Schulze, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Original application January 26, 1934, Serial No. 708,520. Renewed June 8, 1934. Divided and this application July 28, 1941, Serial No. 404,430
7 Claims. (Cl. 260—94)

1. The process of producing high molecular weight heteropolymers of olefins and sulphur dioxide which comprises reacting olefins with sulphur dioxide in the presence of a perchlorate.

2,299,223

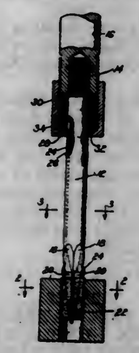
PROCESS FOR THE CATALYTIC PRODUCTION OF OLEFIN-SULPHUR DIOXIDE COMPOUNDS OF HIGH MOLECULAR WEIGHT

Frederick E. Frey, Robert Dewey Snow, and Walter A. Schulze, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Original application January 26, 1934, Serial No. 708,520. Divided and this application July 28, 1941, Serial No. 404,431
5 Claims. (Cl. 260—94)

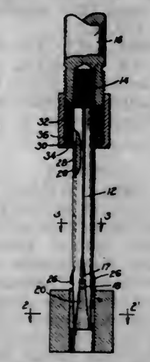
1. The process of producing high molecular weight heteropolymers of olefins and sulphur dioxide which comprises reacting olefins with sulphur dioxide in the presence of a chlorate.

2,299,224
TOOL
Paul R. Gjertsen, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application June 13, 1940, Serial No. 340,307
3 Claims. (Cl. 51—184.3)



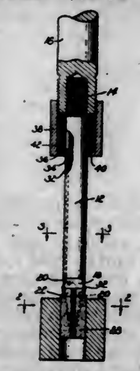
3. In a tool of the character described, in combination, a shank having flat surfaces terminating at one extreme end thereof, said surfaces being related substantially at right angles and tapering in width to meet substantially on the axis of said shank at said end, abrasive means having a groove therein fashioned complemental in shape and taper to two adjacent tapered surfaces, a holder complemental to the shape of said groove and of said adjacent tapered surfaces on said shank and adapted to fit between said abrasive means and said shank, said holder being bonded to said abrasive means, and means connected with said holder for slidably moving said abrasive means along said tapered portions of said shank.

2,299,225
TOOL
Paul R. Gjertsen, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application June 13, 1940, Serial No. 340,308
1 Claim. (Cl. 51—184.3)



In a tool of the class described, in combination, a shank having at one extreme end portion thereof a plurality of grooves of substantially V-shaped cross section, said grooves being equidistantly spaced circumferentially of said shank and being of gradually diminishing depth inwardly from the extreme end of the shank, said grooves having apexes which meet approximately on the axis of said shank on the extreme end thereof, and a plurality of abrading means each including an abrasive element having a wide arcuate abrading surface formed on a radius common to all of the other elements and having surfaces opposite to said arcuate surface complemental to a groove, a supporting member of thin gauge sheet metal having a cross sectional shape complemental to a groove bonded to said opposite surfaces, and means connected with said holder for adjusting said abrading means relative to said shank.

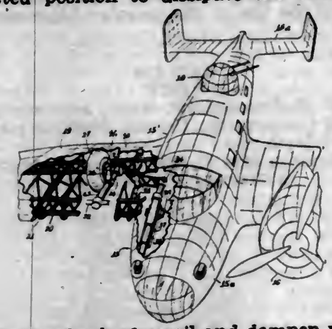
2,299,226
TOOL
Paul R. Gjertsen, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application June 13, 1940, Serial No. 340,309
1 Claim. (Cl. 51—184.3)



In a tool of the class described, in combination, a shank having at one end thereof an axially extending diametrical blade, said blade having its edges of uniform angularity with respect to the axis of said shank to provide tapering edges that meet substantially on the axis of said shank, a sheet metal holder medially and longitudinally bent to provide a U-shaped groove arranged snugly to fit upon a side edge of said blade and relatively wide side portions extending laterally outwardly from each side of said groove, said groove being of gradually diminishing depth from one end of said holder to the other to provide a groove having a base complemental to the angle of a side edge of said blade, an abrading element of substantially uniform semi-circular cross sectional area bonded to said holder and having a medial longitudinal recess to receive the bent portion of said holder and flat side faces to abut the wide side portions of said holder, and means connected to said holder for shifting said holder and abrading element along said shank.

2,299,227
COMBINATION LANDING GEAR AND AIRCRAFT GUN RECOIL MECHANISM
Carlos Cudell Goetz, New York, N. Y.
Application July 22, 1941, Serial No. 403,520
8 Claims. (Cl. 89—37.5)

1. In aircraft, a retractable landing gear, a wheel and tire carried thereby, a slidably mounted gun subject to recoil on firing, a member carried by said gun movable therewith and engageable with the tire of said landing gear only when in retracted position to dissipate the energy and



absorb the shock of recoil and dampen vibration caused by firing of the gun.

2,299,228
ELECTRIC CONDENSER
Donald E. Gray, Teaneck, N. J., and Joseph O. Ollier, New York, N. Y., assignors to Radio Patents Corporation, a corporation of New York
Application January 12, 1939, Serial No. 250,468
In Germany January 12, 1938
15 Claims. (Cl. 175—315)

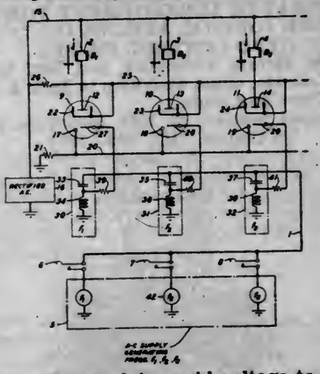


1. An electric device, such as a condenser and rectifier, composed of two electrodes separated by a dielectric layer, one of said electrodes consisting of a porous body composed of substantially metallic particles of small size connected with each other in contacting surface portions and leaving pores between them, said dielectric layer provided on the surface portions of said particles exposed to said pores, and the other one of said electrodes consisting of a solid substantially metallic substance filling said pores in intimate contact with said dielectric layer.

10. A method of manufacturing an electric device, particularly condenser and rectifier, comprising the steps of forming a body of substantially metallic particles of small size, contacting each other on portions of their surfaces and including pores, applying a dense and coherent dielectric layer on other surface portions of said particles exposed to said pores, introducing a substantially metallic substance in its liquefied state into said pores and allowing it to solidify in intimate contact with said layer within said pores, and connecting said particles with one terminal and said substance with another terminal.

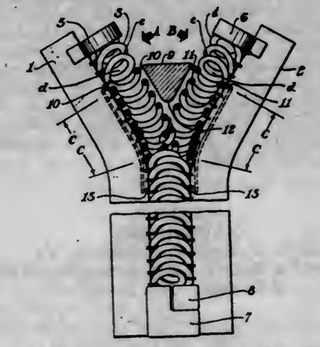
2,299,229
SELECTING SYSTEM
Nathan I. Hall, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 26, 1941, Serial No. 420,461
6 Claims. (Cl. 179—16)

1. The combination in a selecting system comprising a plurality of discharge devices and a plurality of signal receiving circuits, each of which is individual to a corresponding one of said devices, said receiving circuits being tuned respectively to signal currents of a plurality of different frequencies, of a common signal transmitting circuit, a plurality of sources of current of said different frequencies, means for sending over said transmitting circuit current signals of any one of said frequencies to produce a voltage in the correspondingly tuned receiving circuit, cir-



cuit means for applying said voltage to the particular discharge device which corresponds to said receiving circuit to initiate the discharge of said particular device, and means responsive to the flow of discharge current in said particular device for rendering the other discharge devices inoperative.

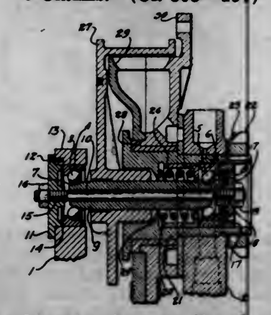
2,299,230
POSITIVELY LOCKING FASTENER
Alden W. Hanson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application July 17, 1942, Serial No. 451,269
3 Claims. (Cl. 24—205)



1. A fastener comprising as the interlocking members thereof a pair of oppositely wound coils capable of being mated with one another, the successive convolutions of each coil lying adjacent to one another in substantially parallel transverse planes but with each convolution tilted so that the minimum angle between the axis of the coil and the mean transverse plane of each convolution of the coil is not greater than 60 degrees and so that when the axis of a coil corresponds to a straight line the distance between adjacent convolutions of the coil is less than the diameter of the filament of the mating coil at a point other than that at which the filament of the coil, when viewed at the wider side of the latter, appears to cross itself in extending from one convolution of the coil to the next, and adjacent convolutions are separated

by a distance at least as great as the diameter of the filament of the mating coil at a point along the wider side of the coil.

2,299,231
COMPENSATOR ARRANGEMENT FOR BEARING AND JOURNAL ASSEMBLIES IN AUTOMATIC GYRO CONTROL PILOTS
Ralph M. Heintz, Cleveland, and Bert G. Carlson, Erieside, Ohio, assignors to Jack & Heintz, Inc., Cleveland, Ohio
Application January 10, 1942, Serial No. 426,288
5 Claims. (Cl. 308—197)



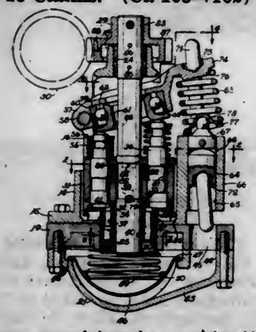
1. In combination in a casting having a plurality of supports for a rotatable shaft and bearing assemblies carried by said supports for said shaft, one of said bearing assemblies being fixed with respect to one of said supports and the other bearing assembly being slidable with respect to the other support longitudinally of said shaft, and means for compensating for temperature conditions over a relatively wide range and for maintaining constant bearing clearances between said bearing assemblies and said shaft, said means comprising a spring interposed between said bearing assemblies and a rigid tension strut extending, with clearance, through said shaft, bearing assemblies and supports and adjustment means on said strut for placing the same under tension and providing the desired predetermined bearing clearances between said bearing assemblies and said shaft against the action of said spring.

2,299,232
NAPKIN BIB
Stella T. Heyser, Arlington, Va.
Application May 3, 1940, Serial No. 333,202
3 Claims. (Cl. 2—49)



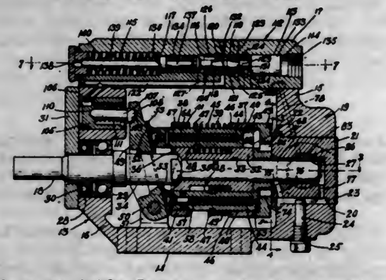
1. A bib comprising a front section and a central neck recess at the upper edge of said front section, side sections integral with the lower portion of said front section and spaced from the upper portion of said front section to provide arm holes, the top portion of each of said side sections and the adjacent upper portion of said front section overlapping one another with the top edges of the side sections in substantial alignment with the neck recess edge and secured together to form shoulders, the over and underlapped portions of said shoulders being unsecured and free to move relative to each other in response to the size or movements of the wearer.

2,299,233
PUMP
James F. Hoffer, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application May 3, 1937, Serial No. 140,305
16 Claims. (Cl. 103—162)



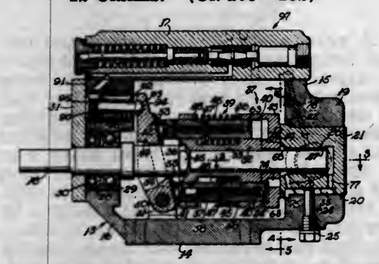
1. A pump comprising, in combination, a pump casing having fluid inlet passage means and pressure delivery passage means, a pump body having a plurality of parallel annularly arranged cylinders, a plurality of pistons reciprocable in said cylinders, valve means for connecting said cylinders alternately and successively to said inlet and delivery passage means, a swash plate pivotally mounted on an axis extending transversely of said cylinders at one side of said body for angular adjustment and coacting with the outer ends of said pistons, drive means for effecting relative rotation between said pistons and said swash plate and for operating said valve means in timed relation to the piston reciprocation, spring means acting on said swash plate at the other side of said body in a direction to increase the angularity of said swash plate, and means automatically responsive to the delivery pressure of said pump opposing said spring means to decrease said angularity upon an increase in said pressure.

2,299,234
HYDRAULIC PUMP AND CONTROL MEANS THEREFOR
Ira J. Snader and Max A. Mathys, Detroit, Mich., assignors to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application June 9, 1937, Serial No. 147,178
9 Claims. (Cl. 103—162)



1. In a variable flow pump having a pressure delivery outlet and an adjustable volume control element, in combination, a pressure chamber having an inlet passage, a pressure responsive member in said chamber operatively connected to said element and movable to adjust said element, a valve casing having a control port open to said passage, a pressure port connected to said outlet, and an exhaust port, a single valve member reciprocable in said casing and having a land area adapted to block said control port when in neutral position and having recesses adapted respectively to connect said control port to said pressure port and exhaust port upon adjustment in opposite directions, each recess having a tapered surface for gradually restricting the port connection as said valve member moves into neutral position, resilient means aligned with and acting directly on one end of said valve member to urge said valve member in a direction to connect said control and exhaust ports to increase the pump delivery, and means acting on the other end of said valve member for adjusting said valve member against said resilient means in response to the pressure in said outlet to connect said control and pressure ports to decrease the pump delivery.

2,299,235
HYDRAULIC PUMP
Ira J. Snader and Max A. Mathys, Detroit, Mich., assignors to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Original application June 9, 1937, Serial No. 147,178. Divided and this application July 31, 1940, Serial No. 348,904
12 Claims. (Cl. 103—162)



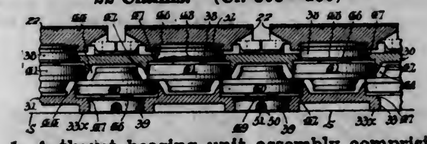
1. A hydraulic pump comprising, in combination, a casing having a wall with inlet passage means and pressure delivery passage means, an external boss integral with said wall and formed with a bore opening therethrough to the interior of said casing, a cylindrical plug tightly fitted in said bore and having an inner end flange engaging the inside of said wall, spline means for locating said plug angularly of said bore, the inner end of said plug defining a flat stationary valve face with arcuate intake and delivery ports in communication through said plug respectively with said passage means, an axial bore in said plug centrally of said ports and draining from opposite ends to the interior of said casing, a drive shaft in said casing and journaled at one end in said last mentioned bore, a pump body fixed to said shaft and having a plurality of parallel pump cylinders annularly arranged about said shaft, a valve face on one end of said body having ports opening respectively to the closed ends of said cylinders, and contacting with said stationary valve face for movement of said cylinder ports successively across said intake and delivery ports, a plurality of pistons reciprocable in said cylinders, and means for effecting reciprocation of said pistons in timed sequence, said plug being of sufficient mass to prevent deflection of said stationary valve face under pump pressure.

2,299,236
FLUID CONTROL APPLICATOR
Ernest L. Hollenbeck and Joseph W. Lucas, Jr., East Orange, N. J.
Application April 30, 1940, Serial No. 332,454
9 Claims. (Cl. 15—139)



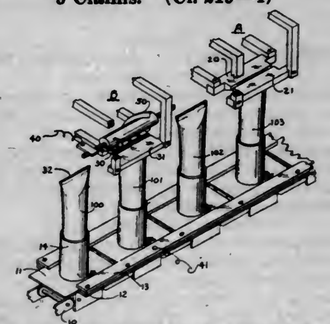
1. A fluid control assembly comprising a body having a duct therein, a spreader tongue, a flap-valve associated with said tongue, and means in said duct engageable with the valve for directing and regulating the flow of fluid from the duct with respect to the tongue.

2,299,237
THRUST BEARING
Harry A. S. Howarth, Philadelphia, Pa.
Application August 4, 1940, Serial No. 351,385
22 Claims. (Cl. 308—160)



1. A thrust bearing unit assembly comprising an annular frame structure having opposed lateral walls, with a series of support openings in one of said walls and a series of supporting fulcrums associated with the other of said walls, the openings and fulcrums of the respective lateral walls being staggered around said frame structure; a double series of tilting equalizers extending around the bearing between said lateral walls and successively interlapping and interengaged, at opposite sides of one another alternately, alternate equalizers being fulcrumed on the aforesaid fulcrums; tilting thrust bearing shoe supports movable under bearing thrusts in the openings of the apertured lateral wall and interlocking therewith against outward withdrawal, and also pivoted on the other alternate equalizers; and thrust bearing shoes outside said last-mentioned lateral wall carried by said thrust-shoe supports.

2,299,238
APPARATUS
Johannes D. Hulsmann, Paterson, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
Application January 12, 1940, Serial No. 313,544
5 Claims. (Cl. 219—4)



1. Edge-welding apparatus essentially compris-

ing a welding circuit, means for holding an article to be edge-welded in the circuit, and an electrode device for completing the circuit by contact with the edge to be welded comprising a shaft carrying a coaxial, incomplete-turn helical electrode, the electrode device being mounted for rotation on a stationary axis and in such position that the line of the edge to be welded is within the periphery of the helical electrode.

2,299,239
APPARATUS FOR DRYING THREAD OR THE LIKE

Lavern J. Jordan, Fairview Village, and Clarence C. Walters, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application September 7, 1937, Serial No. 162,701
5 Claims. (Cl. 34—161)



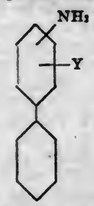
5. Apparatus for drying wet thread comprising a generally tubular member which embodies a longitudinally extending reflecting surface having an associated focal line; radiant heat-emitting means extending longitudinally of said generally tubular member at the focal line of said reflecting surface, said heat-emitting means being so constructed and arranged that it delivers more heat toward one end thereof than toward the other; and means for guiding the thread in a path extending longitudinally of the generally tubular member, said path being spaced from the heat-emitting means but exposed to heat reflected from the reflecting surface.

2,299,240
PROCESS OF MAKING AN AMINO PHENYL ANTHRAQUINONE

Paul Kränzlein, Leverkusen-I. G.-Werk, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Original application February 25, 1938, Serial No. 192,564. Divided and this application November 28, 1940, Serial No. 367,592. In Germany February 27, 1937
2 Claims. (Cl. 260—378)

1. The process of producing a diphenyl amine the nucleus of which is substituted by a radical selected from the class consisting of the radicals of phthalic anhydride and the chlorine substitution products thereof which comprises condensing at a temperature above 100° C. in the presence of aluminium chloride a primary amino compound of the general formula

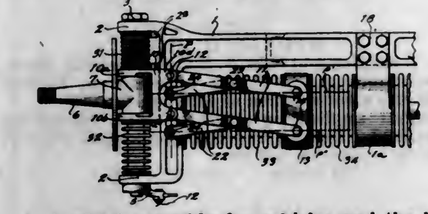


wherein Y represents a member of the group consisting of hydrogen and methyl with a substance selected from the class consisting of phthalic anhydride and the chlorine substitution products of phthalic anhydride.

2,299,241
INDEPENDENT WHEEL SUSPENSION

Arthur W. Kumm, Los Angeles, Calif.

Application February 23, 1942, Serial No. 431,930
8 Claims. (Cl. 280—96.2)



1. A wheel assembly for vehicles and the like, which comprises: a frame member; an axle member adapted to carry a vehicle wheel; cooperating guide means on said frame member and said axle member, said guide means comprising two relatively movable guide members adapted for linear sliding relative movement along a generally vertical axis, one of said guide members being constrained to vertical movement with said axle member and the other being secured to said frame member; an elongated spring member having a fixed end engaging said frame member and a free end operatively associated with said axle member; elongated link means pivotally connected at one end to said one guide member and pivotally connected at the other end to the free end of said spring member to provide the operative association thereof with said axle member, said link means being normally inclined downward from said one end to said other end, and said spring member biasing said one guide member and said axle member downward at all positions of normal relative movement of said guide members; and guide means mounted on said frame member and engaging the free end of said spring member to guide the same along a path extending transverse to said axis and at an acute angle with respect to the length of said link means at all positions of normal relative movement of said guide members.

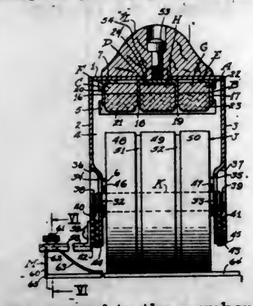
2,299,242
STAMP ROLLER

Henry S. K. Lui, Modesto, Calif.

Application December 24, 1940, Serial No. 371,540
3 Claims. (Cl. 101—328)

1. A stamp roller comprising a frame having slotted sides, a plurality of different colored ink pads disposed adjacent to the frame top, an impression roller, an axle for the roller and having its ends slidably received in the slots of the frame sides, spring means for yieldingly holding the axle at the ends of the slot where the roller will

be spaced from the pads, and a handle for the frame for guiding the device and permitting the operator to exert sufficient pressure to move the roller into inking contact with the pads, said roller having a plurality of circumferentially

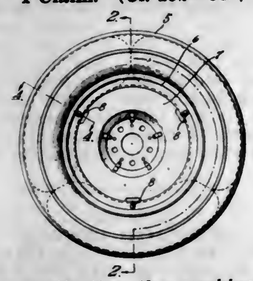


raised portions equal to the number of pads and in alignment therewith, the roller raised portions each receiving a different colored ink from the pads and transferring it to the material being stamped.

2,299,243
INNER TUBE

Edward Rolland Mayer, Sr., Amarillo, Tex.

Application June 9, 1941, Serial No. 397,320
1 Claim. (Cl. 152—331)



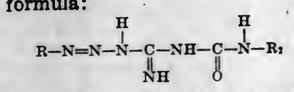
In a pneumatic tire, the combination with a casing, of three independent tube sections mounted within the casing, each section being of elongated arcuate formation and extending approximately two-thirds of the circumference of the casing, said sections being equally arranged within the casing and disposed in alternate side by side relation for the adjacent end portions thereof to overlap each other for approximately one-half the length of the sections, and a valve stem for each tube section and secured to and extending laterally from adjacent one end thereof.

2,299,244
STABILIZED DIAZO GUANYLUREA COMPOUNDS

Paul P. McClellan, Old Greenwich, and Walter P. Ericks, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Original application December 12, 1940, Serial No. 369,806. Divided and this application August 30, 1941, Serial No. 409,060
3 Claims. (Cl. 260—140)

1. A stabilized diazo compound having the general formula:



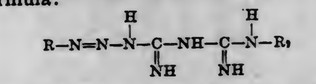
in which R is the nucleus of an ice color diazo component of the benzene series and R_2 is selected from the group consisting of an alkylol and an alkoxyalkylol group.

2,299,245
STABILIZED DIAZO BIGUANIDE COMPOUNDS

Paul P. McClellan, Old Greenwich, and Walter P. Ericks, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Original application December 12, 1940, Serial No. 369,806. Divided and this application August 30, 1941, Serial No. 409,061
4 Claims. (Cl. 260—140)

1. A stabilized diazo compound having the general formula:

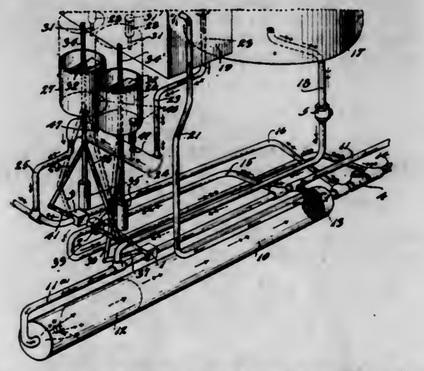


in which R is the nucleus of an ice color diazo component of the benzene series and R_2 is selected from the group consisting of an alkylol and an alkoxyalkylol group.

2,299,246
WATER SOFTENING SYSTEM

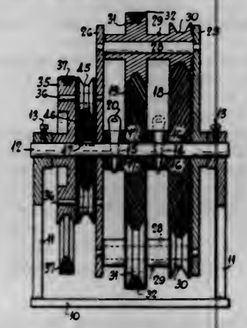
George Moore, New York, N. Y.; Lulu Hoag Moore, executrix of said George Moore, deceased

Application August 2, 1938, Serial No. 222,721
10 Claims. (Cl. 210—24)



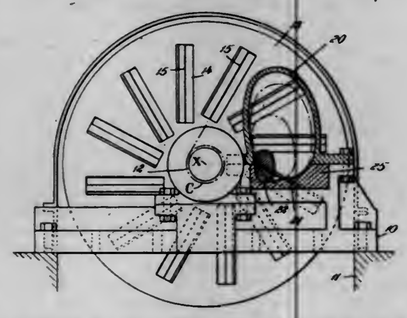
1. In a water softening system, the combination of a zeolite tank, a salt solution tank having a conduit leading therefrom and communicating with the zeolite tank, water supply lines leading respectively to said zeolite tank and connected to the conduit aforesaid, and leading from the zeolite tank to a place of usage of the water, valve means for control of flow of the water and salt solution in said conduit and in said water supply line to the zeolite tank, and means for controlling said valve means comprising a water tank having normally closed and shiftable valve means for controlling discharge of water therefrom, and normally empty and shiftable container means operable to shift said tank valve means to open position to cause flow of water from the water tank into the container means to provide a predetermined weight, and means operably connecting said container means to the first mentioned valve means for actuating the latter by shifting movement of the container when the water therein attains the predetermined weight aforesaid.

2,299,247
POWER TRANSMISSION UNIT
Maurice J. Morgan, Charlotte, N. C.
Application June 5, 1941, Serial No. 396,711
12 Claims. (Cl. 74—299)



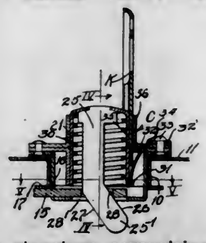
1. A power transmission unit comprising a fixed shaft having a stationary disk mounted thereon, a pair of second disks rotatably mounted on said shaft, one of said second disks being disposed one on one side of the stationary disk and the other of said disks being disposed on the opposite side, and a plurality of rollers rotatably mounted between said second disks and being operatively connected to said stationary disk, whereby each of the rollers will rotate bodily about the fixed shaft and also about its own axis when the second disks rotate, a belt adapted to simultaneously engage at all times the outer peripheries of at least two adjacent rollers as the second disks rotate, and a second belt operatively connected to one of said second disks.

2,299,248
LOG CHIPPER
Peter N. Ottersland, Watertown, N. Y.
Application January 13, 1940, Serial No. 313,672
3 Claims. (Cl. 144—176)



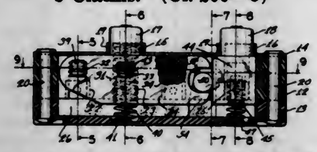
1. A log chipper of the type consisting of a disk having a plurality of openings therethrough, a cutting knife adjacent each opening having its cutting edge disposed in a plane offset from the disk axis and a downwardly inclined chute for feeding logs to the knives, in which the lower surface of the chute is inclined downwardly transversely toward the disk axis, the lowest point in said lower surface being disposed at the side of the chute nearest the disk axis whereby the logs in the chute will be moved by gravity and by the action of the disk knives toward the disk axis.

2,299,249
LOCK STRUCTURE
Hermann Obergfell, Chicago, Ill., assignor of one-half to Hugo G. Tomich, Chicago, Ill.
Application November 10, 1941, Serial No. 418,533
7 Claims. (Cl. 70—169)



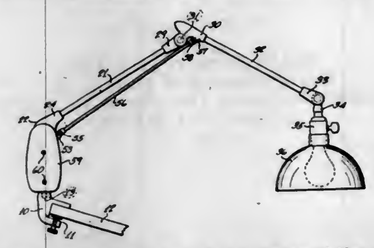
1. Locking structure comprising a cylindrical cup-shaped frame having a diametrally extending slot in its bottom wall, a locking bolt shiftable radially on the bottom of said frame into locking or unlocking position and having a slot therethrough in alignment with said slot in said bottom wall, a cylindrical sleeve guided in said frame for inward and outward movement and having an upper wall, a cam bar secured at said upper wall and extending through said sleeve and having an inclined end extending through said slots in the locking bolt and the frame bottom wall and having upper and lower camming surfaces for cooperation with said locking bolt at the ends of the slot therethrough whereby inward movement of said sleeve and cam bar will shift said locking bolt outwardly into locking position and outward movement of said sleeve with said cam bar will cause inward shift of said locking bar to unlocking position, and key releasable means engageable with said sleeve for holding it normally in its inner position with said locking bolt in its locking position.

2,299,250
ELECTRICAL SWITCH
Albert C. Perbal, University City, Mo.
Application November 12, 1940, Serial No. 365,187
5 Claims. (Cl. 200—5)



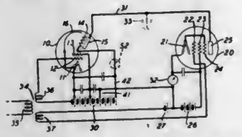
1. In an electrical switch of push button type, a casing, a plurality of switching means in the casing, each of said switching means including a pair of fixed contacts, a movable contact blade, a carrier of insulating material for the movable contact blade, said carrier being adapted to reciprocate vertically in the casing to move the blade into and out of bridging relation with the fixed contacts, a push button member extending through the upper wall of the casing for depressing the carrier, and a spring acting upwardly on the carrier; latching means under the control of a first said push button for holding a second said blade carrier in depressed position, said means comprising a wedging element confined between upwardly convergent surfaces of the casing and the second said blade carrier, and a projection on the first said blade carrier adapted to engage said element and displace the same out of wedged engagement with said convergent surfaces when the first push button is depressed.

2,299,251
ADJUSTABLE BRACKET
Albert C. Perbal, University City, Mo.
Application October 15, 1941, Serial No. 415,031
7 Claims. (Cl. 248—280)



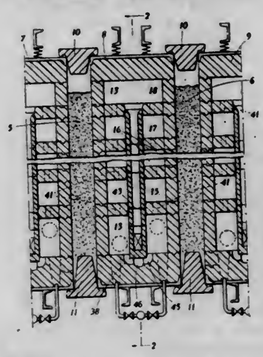
5. An adjustable bracket structure of the character described comprising a base, a jointed bracket arm extending therefrom and comprising an inner section connected to said base to pivot about a fixed horizontal axis thereon, an outer section carried by and pivotally connected to said inner section, and means for balancing said sections, comprising a lever mounted on and pivotally connected to said inner section to turn about an axis spaced from the fixed pivotal axis of the inner section, a link pivoted at one end to said lever and at its opposite end to the outer arm section, a coil spring mounted on said base, and means operatively connecting said spring to act on said lever at a point spaced from the pivotal mounting axis thereof, whereby spring force is transmitted to the inner and outer arm sections in balancing opposition to gravitational force that tend to turn these sections on their respective pivotal axes.

2,299,252
FREQUENCY DETECTOR
John R. Pierce, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 29, 1941, Serial No. 395,764
6 Claims. (Cl. 250—27)



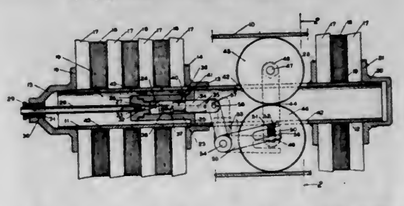
1. A frequency detector comprising a source of input electrical oscillations, an electron emitting cathode, an anode surface, an emitter anode surface, means for directing a stream of primary electrons to said emitter anode surface, a collector electrode for receiving secondary electrons from said emitter anode surface, a source of direct current, a series circuit comprising the electron path between said cathode and said anode surface, a conductive connection between said anode surface and said emitter anode surface, the secondary electron path between said emitter anode surface and said collector electrode and said source of direct current, means responsive to said input oscillations for controlling the electron path between said cathode and said anode surface and the secondary electron path between said emitter anode surface and said collector electrode so that said paths are conducting during alternate half cycles of said input oscillations, and means responsive to the average current in said series circuit.

2,299,253
OVEN FOR COKING OF COAL
Franz Puening, Hinchley Wood, England
Application September 12, 1940, Serial No. 356,479
In Great Britain December 8, 1939
8 Claims. (Cl. 202—105)



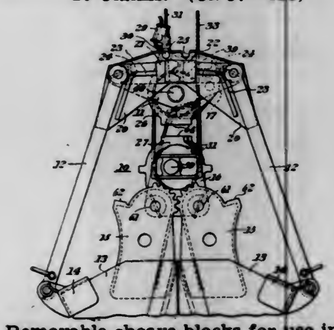
1. In a coke oven, a hollow heating wall adjacent a coking chamber, said heating wall being constructed of elements jointed together to comprise a system of internal heating flues, means for supplying heating gases to said flues, a conduit comprising jointed elements within said heating wall for withdrawing waste heat therefrom, jointed elements within said heating wall intermediate to said coking chamber and said conduit, said conduit being spaced from the inner surfaces of said heating wall except for certain of said jointed elements, the joints of said certain jointed elements being communicated with the heating flues by substantial passageway means, whereby possible channels of joint communication between the coking chamber and the interior of said conduit are intermediately bypassed into the said heating flues.

2,299,254
COMBINED PIPE-LINE CLEANER AND FLUID SEPARATOR
Arthur H. Riney and Louis J. Weber, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application June 26, 1939, Serial No. 281,282
4 Claims. (Cl. 15—104.06)



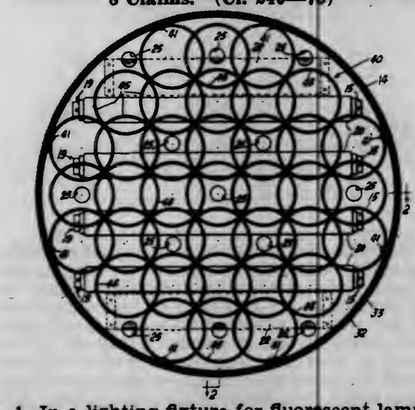
2. A device of the character described comprising a pair of spaced means for forming a seal with and for removing accumulations from the inner surface of a pipe, each of said means including a pair of wiping discs and a brush positioned therebetween, a pump having an intake passage in fluid communication with the space between the extreme wiping discs and an exhaust passage in fluid communication with a point outside the space between the extreme wiping discs, and means responsive to axial movement of the above mentioned means to actuate the pump.

2,299,255
CLAMSHELL BUCKET
Elmer J. Scheib, Cabot, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application July 2, 1942, Serial No. 449,411
10 Claims. (Cl. 37—126)



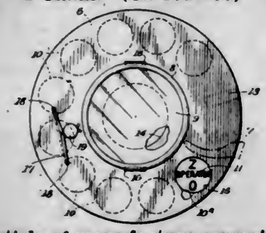
1. Removable sheave blocks for use in a clamshell bucket comprising a head frame, corner bars pivoted to the head frame and depending therefrom, a pair of bucket scoops pivoted to said corner bars and to a hinge casting below the head frame, said frame and casing having aligned holes to receive pins for securing the blocks, said blocks including a lower block adapted to pass through said head frame and be seated in said hinge casting, and an upper block adapted to be received in said head frame, securing pins adapted to be removably inserted through said blocks, respectively, and said holes in the head frame and casting, and means on said casting and head frame effective to position said lower and upper blocks, respectively, for insertion of said pins when said blocks are lowered vertically into the casting and head frame, respectively, said blocks being adapted for general hoisting use when removed from the bucket, and said pins, to that end, being adapted to be inserted through suspensions associated with a crane boom and hook, respectively.

2,299,256
LIGHTING FIXTURE
Richard R. Schultz, Cleveland Heights, Ohio
Application May 25, 1940, Serial No. 337,293
8 Claims. (Cl. 240—78)



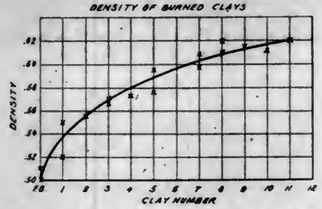
1. In a lighting fixture for fluorescent lamps, a grille frame, and a grille secured to said grille frame, the normal outer periphery of said grille being less than the inner periphery of said grille frame so that said grille is under tension when secured in said frame, said grille comprising a plurality of intersecting interfitted obverse and reverse grille units interlocked by the tension on said grille.

2,299,257
TELEPHONE DIAL MASK
Harry Simon, New York, N. Y.
Application July 9, 1941, Serial No. 401,575
1 Claim. (Cl. 179—90)



A new article of manufacture comprising a thin flat member adapted to be placed in masking position upon a telephone dial, said member having an outer periphery similar in size and shape to that of a telephone dial, having at least two slots adapted to be engaged by the prongs of the indicia member retaining ring of a telephone dial, and having a single aperture so related to said slots as to expose only the "operator" aperture of a telephone dial.

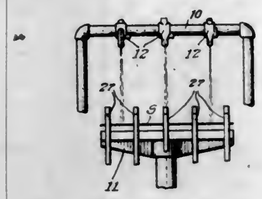
2,299,258
ACTIVATION OF PETROLEUM ADSORBENTS
Thomas P. Simpson, John W. Payne, and Peter D. Valas, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application November 8, 1940, Serial No. 364,820
3 Claims. (Cl. 252—280)



1. The method of increasing the useful life of a solid inorganic adsorbent used in a plurality of contacting operations each involving the deposit of a carbonaceous contaminant thereon by regenerating said adsorbent in repeated cycles each cycle consisting of a plurality of partial removals of a contaminating deposit by burning while leaving a substantial portion of carbonized carbonaceous matter as a carbon deposit on the adsorbent followed by substantially complete removal of a deposit by burning off substantially all carbonaceous substances.

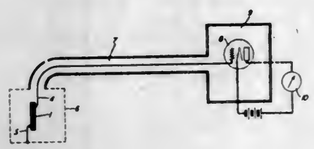
2,299,259
SHEET DELIVERY MEANS
Benjamin L. Sites, Chicago, Ill., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 9, 1940, Serial No. 355,978
13 Claims. (Cl. 271—74)

1. An air blast nozzle having in combination, a body portion adjustably mounted on an air pressure supply tube, means for frictionally holding the nozzle in different adjusted positions, an air chamber in communication with said tube and



having a curved outer wall, and a plurality of radially extending air ducts passing through said wall and arranged in a single plane with respect to the periphery of the wall to extend over an angle of approximately 90° thereto.

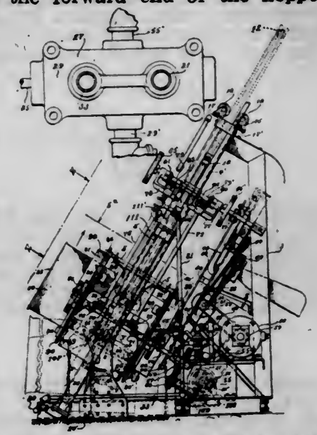
2,299,260
ENERGY TRANSLATION UTILIZING PYROELECTRICITY
Leon J. Sivian, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1939, Serial No. 292,902
8 Claims. (Cl. 171—327)



1. An apparatus for responding to electromagnetic wave energy of such wave-length as to convey heating energy comprising an evacuated container having a window pervious to radiant heat bearing waves, a thin element of pyroelectric material having electrodes upon which pyroelectric charges developed in the element may be impressed, means for supporting the element in front of the window and with its thinnest dimension extending in the direction of travel of the radiant waves, means for setting up intermittent variations in incoming radiant wave energy whereby the pyroelectric device is caused to yield a periodic electric response and means for varying the temperature of the pyroelectric element in consequence of the incidence of electromagnetic waves.

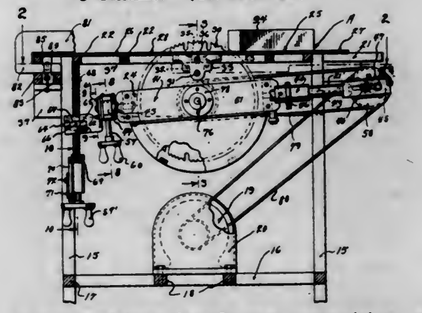
2,299,261
ICE CUBING MACHINE
James F. Turner and Christian P. Breidenbaugh, Baltimore, Md., assignors to Flynn & Emrich Company, Baltimore, Md., a corporation of Maryland
Application July 8, 1937, Serial No. 152,500
21 Claims. (Cl. 143—38)

6. In a machine for cutting a body of material into relatively small blocks, a carriage, means for reciprocating the same providing a forward and return stroke on a single pre-determined inclined path, a hopper on said carriage adapted to the automatic feeding of the said body downwardly substantially at right angles to said path, scoring saws and a cut-off saw arranged intermediately of said path in cutting relation to the path at the forward end of the hopper, and



means for turning the hopper adjacent each end of said path to provide intersecting scores.

2,299,262
POWER-DRIVEN BENCH SAW
Mark Uremovich, Milwaukee, Wis.
Application April 29, 1940, Serial No. 332,317
3 Claims. (Cl. 143—36)

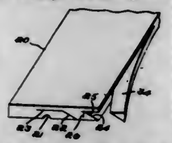


1. A power-driven bench saw comprising, a base, a table on the base having a slot, a disc saw movable through the slot above and below the table top, means for supporting the saw including an outer frame mounted at one end for swinging movement on the base, adjustable means supporting the other end of the outer frame for raising and lowering the frame, a secondary frame rockably mounted on the first-mentioned frame at right angles to the axis of the first-mentioned frame, a rotatable shaft in the secondary frame carrying the disc saw, means for driving said shaft, and means for tilting the secondary frame on the outer frame.

2,299,263
METHOD OF MAKING BEADED WELTING
William C. Vizard, Brockton, Mass., assignor to Barbour Welting Company, Brockton, Mass., a copartnership composed of Perley E. Barbour, Walter G. Barbour, and Richard H. Barbour
Application April 4, 1942, Serial No. 437,649
6 Claims. (Cl. 12—146)

1. A method of making beaded welting having a grain surface on both sides of a triangular bead, which consists in making longitudinal in-

cisions in the flesh portion of a grain leather fillet to produce a deformable bead portion having a thin cover strip a thin marginal lip of grain stock, and a depending core portion disposed between the cover strip and lip and comprising a



core body and a triangular core flap hinged to said body, folding said flap inwardly of the bead portion and against said body, folding the assembled core beneath the cover strip to provide a solid upstanding bead, and pressing the grain lip onto the flesh base of the fillet to form a sewing edge.

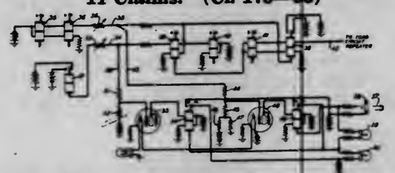
2,299,264

TELEGRAPH SIGNAL REPEATER

Jefferson R. Wilkerson, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 20, 1940, Serial No. 330,686

11 Claims. (Cl. 178—53)



1. In a communication system, a plurality of communication channels in combination with a repeater for interposition between monitoring and testing devices and said plurality of communication channels comprising means responsive to signals on each communication channel, said means being constructed and arranged to repeat signals without interfering with the operation of or distorting the signals passing over said communication channels, a corresponding plurality of incoming channels for connecting said means to said communication channels, and a single outgoing channel into which signals from all said incoming channels are repeated over said repeater for connection to said monitoring and testing devices.

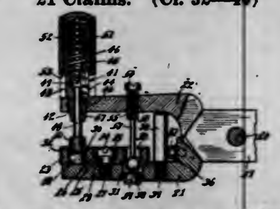
2,299,265

METHOD AND MEANS FOR PRODUCING DENTAL FILLINGS

Edward L. Chott, Chicago, Ill.

Application August 11, 1941, Serial No. 406,432

21 Claims. (Cl. 32—40)



1. The method of forming a dental filling consisting in compressing a relatively soft amalgam to express or expel mercury or other wet content thereof and compress the same into the form of a solid body of predetermined form while simultaneously ejecting a previously formed solid body.

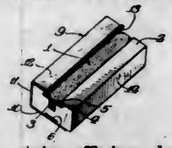
2,299,266

BINDING STRIP AFFIXING DEVICE

Albert W. Engel, Chicago, Ill.

Application July 10, 1941, Serial No. 401,761

4 Claims. (Cl. 216—61)



1. A binding strip affixing device comprising a block of resilient material having a groove approximately equal in width to the thickness of the material to be bound, the upper surface of the block having a shallow recess extending at both sides of the groove and dimensioned to receive and position an adhesive binding strip in flat form with its adhesive surface exposed upwardly for contact with the edge of the material to be bound, and a gauge attached to the block having a portion extending over one side of the recess providing stop means in substantially vertical alignment with the adjacent side of the groove whereby said gauge serves to position the material on the binding strip and over the groove, ready to be forced downwardly into said groove in the binding operation.

2,299,267

TOOL HOLDER FOR SURGICAL INSTRUMENTS

Samuel Lloyd Fisher, Brooklyn, N. Y.

Original application June 11, 1938, Serial No. 213,115. Divided and this application May 14, 1941, Serial No. 393,315

6 Claims. (Cl. 128—317)



4. In a surgical instrument, the combination of a main shell having a cylindrical projection for receiving an electric motor with its shaft protruding into said projection, a bearing removably connected to said projection, a second shaft in said bearing, an intermediate connecting shaft in said bearing for operatively associating said second shaft with the motor shaft, tool gripping jaws on said second shaft, a Kirschner wire, a lock nut operatively associating said jaws and clamping the end of said wire in said jaws, a guiding device operatively associated with said bearing and including a plurality of cylindrical opening forming projections extending axially therewith mounted on said projection in front of said shell, and a plurality of sets of tubes telescoping into one another and slidably mounted in the projections in said guiding device, each set having a transversely extending supporting bracket, the brackets being parallel to one another and provided with central openings to receive said wire and thereby support the same during the rotary movement thereof.

2,299,268

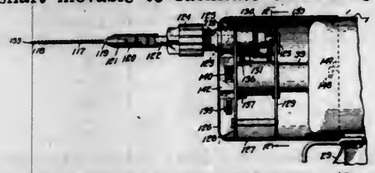
DRIVING CONNECTION FOR SURGICAL INSTRUMENTS

Samuel Lloyd Fisher, Brooklyn, N. Y.

Original application June 11, 1938, Serial No. 213,115. Divided and this application May 14, 1941, Serial No. 393,316

4 Claims. (Cl. 128—317)

2. The combination of an electric motor having a shaft, a main shell having a main cylindrical outer periphery terminating in a rounded end with a shaft opening in the center of said rounded end registering with said shaft and a pin extending radially outward from said cylindrical outer periphery adjacent to said rounded end, and a removable unit including an auxiliary shell having a cylindrical open end conforming to the cylindrical periphery of said main shell to receive said rounded end and engage the cylindrical outer periphery of said main shell, said auxiliary shell having a bayonet slot to receive said pin removably to connect said auxiliary shell to said main shell, said removable unit containing a reduction gearing including a connecting shaft movable to facilitate connecting en-



gagement with said motor shaft when the open cylindrical end of said auxiliary shell is cammed on to the rounded end of said main shell, a bearing in the end wall of said auxiliary shell, an intermediate rotatable element journaled in said bearing, a driven shaft operatively connected to said reduction gearing and extending into and fixed to rotate with said intermediate rotatable element, a spindle for a surgical instrument extending into said intermediate rotatable element and operatively connected to rotate with said driven shaft, and a lock nut screw threadedly connected to the outwardly projecting end of said intermediate element and clutching said spindle to said intermediate element against axial movement relative to said driven shaft but permitting rotatable movement.

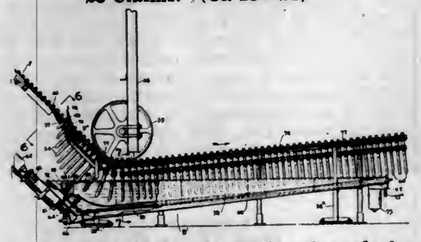
2,299,269

METHOD AND APPARATUS FOR MAKING DIPPED RUBBER ARTICLES

John R. Gammeter, Akron, Ohio

Application January 28, 1939, Serial No. 253,322

23 Claims. (Cl. 18—24)



1. That method of making dipped goods from latex or water dispersions of rubber which comprises dipping forms in a substantially vertical direction in latex to deposit a film of latex thereon, and translating said forms without rotation through said latex while progressively withdrawing the forms substantially vertically therefrom until the forms pass out of the latex.

2,299,270

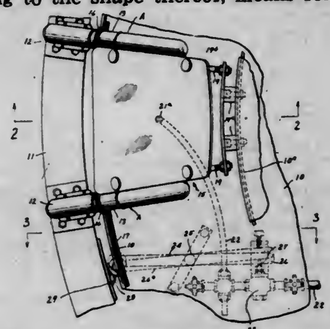
DEVICE FOR TESTING THIN RUBBER ARTICLES

John R. Gammeter, Akron, Ohio

Application April 27, 1940, Serial No. 332,006

6 Claims. (Cl. 175—183)

1. Apparatus for testing thin rubber articles or the like for defects, comprising an electro-conductive element of flexible metallic mesh fabric, a conveyor, electro-conductive forms on said conveyor for carrying articles in succession past said element, said element being applicable to the surface of articles on said forms and conforming to the shape thereof, means for estab-



lishing a high potential of electricity between said element and said forms sufficient to leap an air gap comparable to the thickness of the articles but of insufficient potential to pierce articles of normal thickness, and means for intermittently directing air under pressure onto said element to pass through and clean the same.

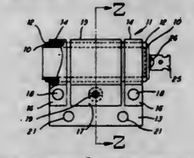
2,299,271

ELECTRICAL CONDENSER

Frank W. Godsey, Jr., North Adams, Mass., assignor to Sprague Specialties Co., North Adams, Mass., a corporation of Massachusetts

Application July 3, 1940, Serial No. 343,871

6 Claims. (Cl. 175—41.5)



1. An electrical condenser comprising a cylindrical electrode and a dielectric layer forming an integral coating on the surface of said electrode, a wrap-around metal clamp comprising a plurality of interconnected segments forming coaxial electrodes around said coated electrode, one of said segments being fixedly secured about said inner electrode, and another of said segments being adjustably secured about said inner electrode.

2,299,272

CIRCUITS FOR GRID CONTROLLED GAS FILLED ELECTRON TUBES

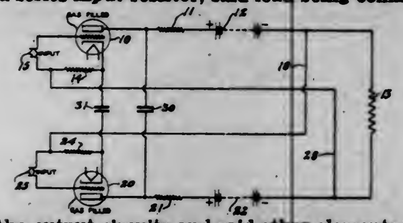
Frederick G. Halden, Bellerose, N. Y., assignor to Postal Telegraph-Cable Company (New York), New York, N. Y., a corporation of New York

Application September 7, 1940, Serial No. 355,715

6 Claims. (Cl. 250—27)

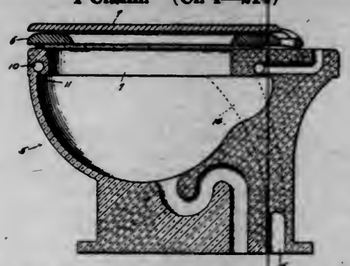
1. In electronic reversing switch apparatus, in combination, two grid-controlled gas filled electron tubes, each having anode, cathode and grid electrodes, an input circuit extending from the grid to the cathode of each tube, each said circuit comprising a source of grid bias, a signal source and a series resistor, one end of said resistor being connected to said cathode, an output circuit

extending from anode to cathode of each tube, each said output circuit comprising a series resistor one end of which is connected to the anode, a battery, a load, and a return to cathode through said series input resistor, said load being common



to the output circuits and said other elements being individual to the particular output circuit, a capacity interconnecting the cathodes of said tubes and a capacity interconnecting the anodes of said tubes.

2,299,273
TOILET BOWL
Charles W. Hazzard, Ionia, Mich.
Application May 27, 1941, Serial No. 395,455
1 Claim. (Cl. 4—216)

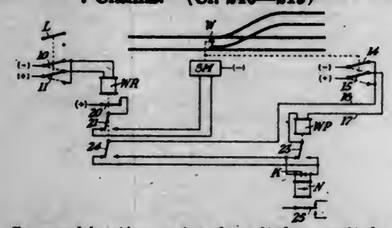


As a new article of manufacture, a toilet bowl of the type embodying an internally projecting rim having an annular water-flushing conduit formed therein, said bowl being constructed with a departure from the normal by having the rim at opposite sides of the bowl and as it approaches the rear of the bowl gradually increasing in width, to provide an inwardly projecting shelf at the rear of the bowl and formed with chambers opening through the bottom of the shelf into the bowl, said chambers extending upwardly from the bottom of the shelf above and behind the water flushing conduit, and take-off conduits for the chambers formed in the wall of the bowl and extending from said chambers in the general direction of the rear of the bowl to terminate adjacent the base of the bowl into a single outlet adapted for connection with a vent pipe for drawing off odors from the bowl.

2,299,274
PRODUCTION OF AMINOTRIAZINES
William H. Hill, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application August 18, 1938, Serial No. 225,564. Divided and this application November 1, 1939, Serial No. 302,321
8 Claims. (Cl. 260—248)

5. A formaldehyde - reactive aminotriazine mixture comprising the product obtained upon heating dicyandiamide at substantially atmospheric pressures in a stable, non-reactive, formaldehyde-free medium which is liquid at about 150° C. to a temperature and for a time sufficient to liberate substantial amounts of ammonia less than 0.2 moles per mole of dicyandiamide.

2,299,275
SWITCH INDICATION CIRCUITS
Arthur L. Jerome, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 8, 1941, Serial No. 418,357
7 Claims. (Cl. 246—219)



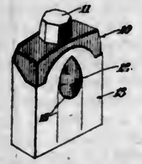
1. In combination, a track switch, a switch machine for moving said switch between a normal and a reverse position, a polarized switch control relay to which energy of normal polarity is supplied at times and to which energy of reverse polarity is supplied at other times, said relay being effective when its polar contacts are in their normal positions to cause the switch machine to move the switch to its normal position and being effective when its polar contacts are in their reverse positions to cause the switch machine to move the switch to its reverse position, an indication circuit comprising a pair of indication wires, means effective according as the switch is in its normal or reverse position to supply to said indication circuit energy of normal or reverse polarity, a polar indication relay having its winding connected in series with one of said indication wires, an auxiliary relay, a polar contact of said indication relay being effective when in its normal position to connect one of said indication wires to one terminal of the winding of said auxiliary relay, a polar contact of said switch control relay being effective when in its normal position to connect the other of said indication wires to the other terminal of the winding of said auxiliary relay to thereby energize the polar indication relay and said auxiliary relay in series from said indication wires, means including a polar contact of each of said polarized relays and effective when said contacts are out of correspondence to energize said polar indication relay from said indication wires independently of said auxiliary relay, and a circuit controlled by a contact of said auxiliary relay.

2,299,276
DISK LOUVER
Ivan Kirlin, Detroit, Mich.
Application March 7, 1941, Serial No. 382,144
3 Claims. (Cl. 240—78)



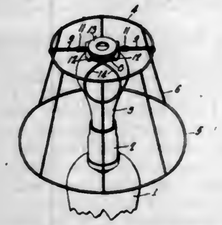
1. A reflecting louver device for use in connection with an elongated tubular light source, said device comprising a plurality of semi-circular flat reflecting members each provided with a central arcuate recess at its upper portion for the reception of said light source, inclined slots formed adjacent the arcuate recess in each member, a pair of flat light diffusing members extending throughout the width of said device and engaging said slots for maintaining said flat members in spaced apart relation to one another, and resilient arcuate clips secured to some of said members between the slots and the central recess of said members and extending upwardly therefrom for engagement with the tubular light source for maintaining said louver device in proper position.

2,299,277
CONTAINER CONSTRUCTION
Franz Neuschaefer, Rye, N. Y.
Application November 24, 1939, Serial No. 305,766
8 Claims. (Cl. 35—59)



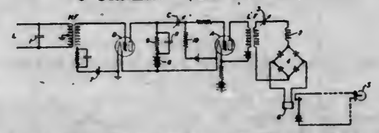
1. In combination, a container formed of substantially transparent material and adapted to contain liquid preparations for treating the finger nails, a wall of said container being formed with an integral protuberance having a curved surface and an outline such as to substantially simulate a finger nail, and whereby the color of the liquid in the container is revealed therethrough in a manner similar to the appearance of the color when applied to the finger nails, and a casing for slidably receiving said container, a wall of said casing having an opening, the edges at said opening engaging the protuberance, thereby retaining the casing against sliding off from the container and also outlining the simulated finger nail.

2,299,278
LAMP SHADE AND SUPPORTING MECHANISM THEREFOR
Henry T. Paiste, Chestnut Hill, Pa.
Application November 13, 1939, Serial No. 304,236
1 Claim. (Cl. 240—128)



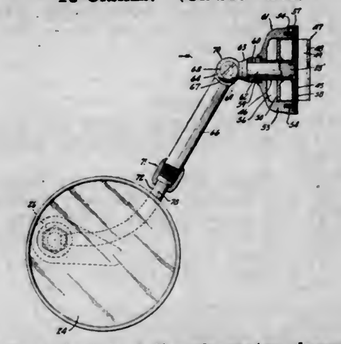
A lamp-shade frame and support structure, comprising a lamp-shade frame having at its top a ring-like clamp and manually-manipulable clamping means therefor, and a support for said frame comprising resilient lamp-embracing means, and a cap carried by said means and insertable within said ring-like clamp when said clamping means are in non-clamping positions, said cap having an annular recess within which said ring-like clamp seats when said clamping means are moved to clamping positions, thereby interlocking said clamp with said support element.

2,299,279
SIGNALING SYSTEM
George A. Pullis, Hoboken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 19, 1941, Serial No. 389,335
6 Claims. (Cl. 179—84)



1. In a signaling system, a line, a source of audible frequency current, means for connecting said audible frequency to said line at a periodic low frequency rate, a signal device, and means, including a thermionic detector and a thermionic amplifier, responsive to said periodically applied audible frequency to control said signal device, in which the output circuit of said detector is connected to the input circuit of the amplifier by means of a condenser-resistance coupling, characterized in this, that the time constants of said coupling are so adjusted that a predetermined plurality of successive pulses of said audible frequency are required to cause said amplifier to control said signal device.

2,299,280
CLAMP DEVICE
Daniel E. Reed, Norwalk, Conn., assignor to Yankee Metal Products Corp., Norwalk, Conn., a corporation of New York
Application August 15, 1941, Serial No. 407,039
15 Claims. (Cl. 248—226)



15. In a device of the character described for mounting a vehicle accessory, the combination of a substantially yoke-shaped clamping member having opposed inner and outer arms, said inner arm constituting an inner gripping jaw; a pressing member located intermediate said inner and outer arms and constituting an outer jaw opposed to said inner gripping jaw constituted by said inner arm; a housing member having an open inner end, secured to said pressing member, said pressing member being disposed at said open inner end and defining with said housing a chamber in which said outer arm is located; an accessory supporting arm, carried by said pressing member and extending outwardly therefrom through said chamber and beyond said housing member; at least one adjusting screw member, accessible from outside said chamber, having a main operating portion located in said chamber in threaded relation with said outer arm and having a pressing reaction inwardly against said pressing member for drawing said inner arm to-

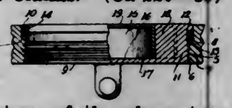
wards and into object clamping relationship with respect to said pressing member; and means for arresting said adjusting screw member against movement axially outward relative to said housing member and maintaining the main operating portion in threaded relation with said outer arm in said chamber.

2,299,281

SEALING SYSTEM FOR CONTAINER CLOSURES

Fleck W. Sample, Forest Hills, N. Y., assignor to American Flange & Manufacturing Co., Inc., New York, N. Y., a corporation of Illinois

Application November 6, 1937, Serial No. 173,123
7 Claims. (Cl. 220—39)



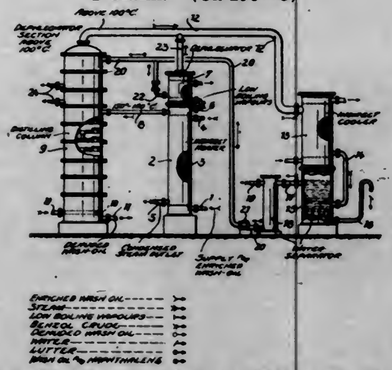
1. In structure of the character described, a container wall having an opening therein, an internally-threaded bushing defining said opening, a screw plug threadedly engaged in said bushing and, in its operative position, having its outer face substantially in the plane of the outer surface of the bushing, said plug having the top wall thereof recessed to form a chamber, a tool-engaging member extending into said chamber from the wall thereof and lying wholly within the chamber, and a seal cap having a top portion closing the mouth of said chamber and a depending skirt portion formed to frictionally engage the side wall of said chamber to prevent removal of the seal cap without destruction of the same, said skirt portion having its normal contour interrupted to embrace said tool-engaging member and render the same ineffective when the seal cap is in operative position.

2,299,282

METHOD FOR THE RECOVERY OF HIGH-GRADE CRUDE FROM ENRICHED BENZOL WASH OIL

Adolf Schmalenbach, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application August 27, 1938, Serial No. 227,103
In Germany September 2, 1937
1 Claim. (Cl. 196—3)



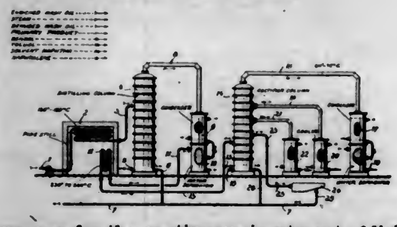
A method for recovery of a high-grade benzol crude from enriched benzol wash-oil which method comprises: a primary distilling stage of preheating the benzol enriched wash-oil and a subsequent distilling stage in which the benzol crude constituents are extracted from the preheated wash-oil from the primary distilling stage in a distilling column by means of direct steam, removing the low boiling constituents boiling below 100° C. from the enriched wash-oil in the primary distilling stage by distillation therein to a temperature between 130°–140° C. in the absence of direct steam before the benzol containing wash-oil enters the distilling column for the subsequent distillation in the presence of steam, dephlegmating the vapors from the primary distilling stage, dephlegmating the benzol crude vapors liberated in the column in the subsequent distilling stage by maintaining the dephlegmation step at a temperature of about 100° C. so that water may not condense, the wash-oil being retained in the dephlegmation step, while the steam and the benzol crude vapors escape, bypassing the subsequent distillation stage and its dephlegmation step therefor with the low boiling constituents liberated in the primary distilling stage, condensing the low boiling point vapors from the dephlegmation step for the primary distilling stage and the vapors from the dephlegmation step for the subsequent distilling stage, separating the condensed benzol crudes from water, then settling the benzol crudes to obtain an upper layer and a lower layer, and returning the lower layer from at least one of said stages as phlegm to at least one of the dephlegmation steps of the primary and subsequent distilling stages.

2,299,283

TREATMENT OF ENRICHED BENZOL WASH OIL OR THE LIKE

Adolf Schmalenbach, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application October 7, 1938, Serial No. 233,721
In Germany October 7, 1937
1 Claim. (Cl. 196—75)



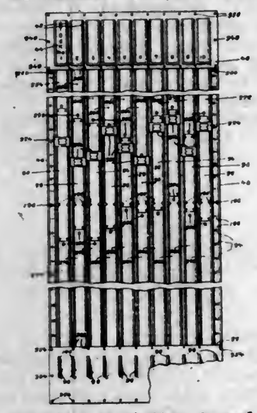
A process for the continuous treatment of light-hydrocarbon enriched wash-oil of the character of benzol-absorbent wash-oil by distillation in the presence of steam with the recovery of the light-hydrocarbons from the absorbent wash-oil in several fractions of sharply defined broiling limits, comprising the steps: distilling the light-hydrocarbon laden wash-oil in the presence of steam in such manner that the absorbed light-hydrocarbons and a part of the wash-oil are driven off as vapours; condensing the vapours produced; separating water from the condensate; heating the condensate very quickly to a temperature at which the absorbed light-hydrocarbons are vaporized, by indirect heating while the condensate flows through a coil in a pipe still; and then fractionating the vapours from the pipe still in a rectifying apparatus, and in which the vapors from the pipe still are fractionated with a limited quantity of steam in the fractionation step, the quantity of steam being such that at the top of the rectifying column a mixure consisting of benzol and about 8% by weight of steam or less (based upon the benzol vapours) flow off.

2,299,284

MARKET QUOTATION BOARD

Edward H. Steidemann, Normandy, Mo.

Application December 11, 1939, Serial No. 308,741
15 Claims. (Cl. 116—135)



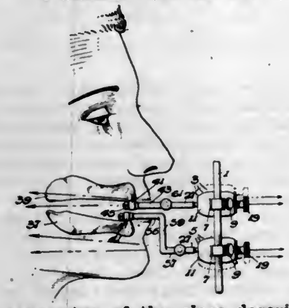
14. In a market quotation board, a support, a tape having market quotations thereon, a fixed previous closing indicator, spaced rotative tape take-up and storage means mounted on said support connected with the ends of said tape for supporting and adjusting the latter to shift the market quotations thereon relatively to said fixed previous closing indicator, biasing means tending to effect opposed rotation of said spaced rotative tape take-up and storage means at all times to tauten said tape and to maintain it taut, fixed percentage increase and decrease scales extending upwardly and downwardly respectively from said fixed previous closing indicator, and high and low quotation indicators adjustably mounted on said support and operatively arranged with respect to said tape to be respectively adjusted to selected high and low market quotations, the market quotations on said tape being so spaced and associated with said fixed percentage increase and decrease scales as to indicate definite percentage increases and decreases of selected higher and lower quotations, respectively, with respect to the previous closing quotations registered with said fixed previous closing indicator.

2,299,285

MAXILLARY MANDIBULAR RELATER

James C. Taylor, Jr., Charleston, S. C.

Application October 7, 1941, Serial No. 414,016
3 Claims. (Cl. 32—17)



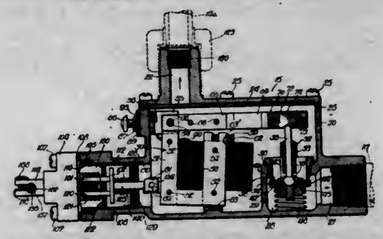
1. An apparatus of the class described, comprising a post, a pair of supporting units having collars thereon slidably receiving the post, and means for clamping said collars to the post, said supporting units forming sockets, a spherical member mounted in each socket for swivel movement therein, a connecting rod rigidly attached to and projecting from each spherical member in the same general direction, means for locking the spherical members in adjusted position within the supporting units, and a pair of trays having eyes integrally formed thereon, relater rods mounted in and removably secured in said eyes to project from the trays one of said rods having an offset portion, the connecting and relator rods having complementary meshing end portions for locking engagement to attach the trays and relater rods to the connecting rods and units.

2,299,286

MAGNETIC SAFETY VALVE

Clarence Wantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 17, 1939, Serial No. 290,680
18 Claims. (Cl. 137—139)



7. In combination, a thermocouple subject to the heat of a flame, an electromagnet connected in circuit with said thermocouple, an armature for said electromagnet, means normally holding said armature in attracted position and returning said armature to attracted position regardless of whether or not the electromagnet is energized by the heat of the flame on the thermocouple, and a second electromagnet adapted to be held in operative position by said first electromagnet as long as said flame is burning, the force of the means for holding said armature in attracted position being insufficient to hold said second electromagnet in operative position unless the holding electromagnet is energized by the heat of the flame on the thermocouple.

2,299,287

SUGAR COMPOSITION

Robert Whymper, New York, N. Y., assignor to The National Sugar Refining Company, Edgewater, N. J., a corporation of New Jersey

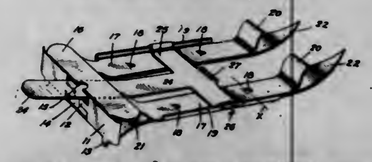
No Drawing. Application December 21, 1939, Serial No. 310,329
7 Claims. (Cl. 127—30)

1. A sugar composition comprising a mixture of crystalline sugar particles, in a size range finer than 250 Tyler screen mesh and finely divided portions of normally non-crystallizable sugar, in the proportion of not under about 70% of the crystallizable or over about 30% of the non-crystallizable sugar, and in a form wherein the non-crystallizable portions are kept from sticking together by being wholly enveloped by or contained inside of agglomerates of said crystalline particles in the presence of others of said particles which are free or non-agglomerated, and the whole constituting a substantially non-sticky and free-flowing powder suitable for fondant-making.

2,299,288
SUGAR
Robert Whymper, New York, N. Y., assignor to The National Sugar Refining Company, Edgewater, N. J., a corporation of New Jersey
No Drawing. Application March 21, 1940, Serial No. 325,129
6 Claims. (Cl. 127—30)

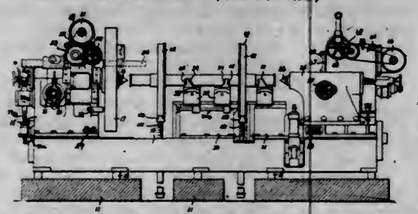
1. As a new form of sugar, a granular composition comprising particles of crystalline non-hygroscopic sugar in the general size range of sugars adapted to be sprinkled on food, covered over with non-crystallizable sticky films of highly hygroscopic nature and further covered with dust coatings of much finer and dust-like particles of non-hygroscopic sugar adherent to such sticky films to an extent overcoming the stickiness and rendering the mass free-flowing and non-caking.

2,299,289
PRINTING PRESS GAUGE PIN
Charles D. Winders, Salina, Kans.
Application March 25, 1940, Serial No. 325,825
4 Claims. (Cl. 101—415)



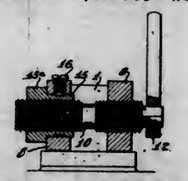
1. A device of the class described comprising two prongs and two arms, one arm placed directly above each prong and in parallel relation thereto and in friction contact for approximately their entire length; the prongs of which device are to be inserted through the tympan sheet of platen printing press packings and thereby grip the tympan sheet by the pressure caused by a spring contact relation between almost the entire length of said arms and prongs and said arms being curved upward on their outer edges in such manner as to create an arm rail and to permit the tongue itself, supported thereon, to set in a position above the main body of the arms and not in immediate contact with the tympan sheet.

2,299,290
JOURNAL TURNING, QUARTERING, AND CRANK PIN TURNING MACHINE
Augustus Wood, Hamilton, Ohio, assignor to General Machinery Corporation, Hamilton, Ohio, a corporation of Delaware
Application November 15, 1940, Serial No. 365,811
13 Claims. (Cl. 77—21)



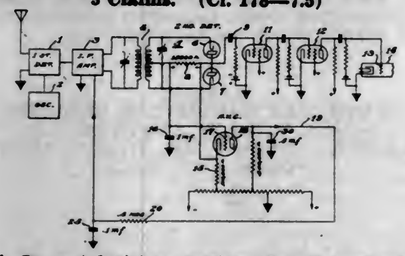
1. A machine for quartering of wheel sets comprising a bed, a head stock carrying a spindle, a tail stock carrying a support center, a boring spindle carried by the head stock, a second boring spindle carried by the tail stock, said boring spindles being positioned parallel with the axes of the spindle and the support center and above the same in planes inclined upwardly in opposite directions from said axes and displaced 45° from a vertical plane through said axes.

2,299,291
BATTERY TERMINAL
Nicholas John Zam, Toledo, Ohio, assignor of thirty per cent to Albert J. Kairis and thirty per cent to Gerrit Van Westrienen, both of Detroit, Mich.
Application May 1, 1942, Serial No. 441,313
1 Claim. (Cl. 173—259)



In a battery terminal having a split post-clamping member with lugs projecting in substantially parallel relation from the halves thereof and provided with axially aligned apertures, a sleeve axially insertable and mounted for rotary adjustment in the aperture of one lug and having provision at one end for the engagement of an adjusting tool therewith, said sleeve having a peripheral recess, a set screw threaded in the lug and engaging in the recess to prevent axial movements of the sleeve in the lug and also to releasably hold the sleeve in adjusted position, and a screw member having a right thread at one end and a left thread at the other end with one end threading into the sleeve and the other end threading into the aperture of the lug not carrying the sleeve, whereby a turning of the screw member will expand or contract the clamp member.

2,299,292
AUTOMATIC VOLUME CONTROL SYSTEM
Horace C. Allen, Marlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 28, 1939, Serial No. 311,346
3 Claims. (Cl. 178—7.5)



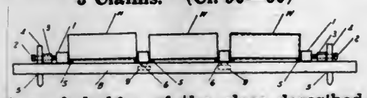
1. In a television receiver for the reception of a modulated carrier wave, a detector for demodulating said carrier wave, said detector including an output resistor, an amplifier for amplifying the output signal appearing across said resistor, said amplifier having input electrodes comprising a control electrode and a cathode, said control electrode being coupled to one end of said output resistor and said cathode being connected to a certain point such as ground, means comprising a large capacity condenser connected between the other end of said output resistor and said certain point for holding said other end at substantially the same potential as that of said cathode for A. C. voltages, and a gain control circuit including a tube having two rectifier electrodes, one of said rectifier electrodes having a D. C. connection to said other end of said output resistor, and the other of said rectifier electrodes also having a D. C. connection to said one end of said output resistor, means comprising a parallel combination of a resistor and a condenser connected in series with said rectifier electrodes whereby said control tube functions as a peak detector to produce a gain control voltage across said last resistor, and a D. C. connection from said one end of said output resistor to the cathode of said amplifier through a high impedance resistor.

2,299,293
SHOE
Frank F. Audino, Corona, Long Island, N. Y.
Application May 26, 1941, Serial No. 395,119
1 Claim. (Cl. 36—12)



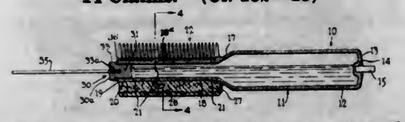
In a shoe having an upper and a leather outsole cemented directly to said upper, said outsole having a cut out portion running forwardly along the edge of the upper surface thereof from the ball line on one side to the ball line on the other side, the inner edge of said cut out portion lying externally of said upper, a rand mounted in said cut out portion filling the same and positioned entirely externally of said upper, the top surface of said rand lying flush with the top surface of said outsole, a channel cut in the edge of said outsole below the upper surface of said cut out portion, and a line of stitches passing through said rand and that portion of the outsole which lies between the rand and said channel, whereby to hold said rand in place.

2,299,294
WORK HOLDING DEVICE
Edwin Barnes, Marshall, Tex.
Application November 22, 1939, Serial No. 305,587
3 Claims. (Cl. 90—60)



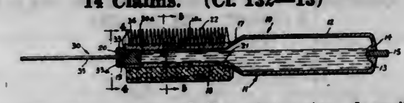
1. A work holder of the class described comprising a pair of opposing longitudinally adjustable pressure applying end clamps, each of said end clamps being provided with an anchoring means for anchoring the same to a machine bed or the like, said anchoring means including a pressure bar which extends across a pair of spacer pins extended up from the machine bed each of said end clamps being provided with clamping jaws including horizontally extending knife edges adapted to bite into a piece of work, and a work separating and holding clamp provided with a vertically adjustable attaching means for attaching it to a machine bed or the like, said attaching means comprising a clamping bolt including a head adapted to slide in a T slot in a machine bed, said separating and holding clamp being positioned in line with and between the said end clamps and being provided with parallel faces each of which is provided with knife edges adapted to bite into pieces of work.

2,299,295
HAIR OPERATOR'S INSTRUMENT
Joseph J. Battle, New York, N. Y.
Application June 6, 1941, Serial No. 396,791
14 Claims. (Cl. 132—13)



1. An instrument of the character described, comprising a tubular handle closed at its rear end, a longitudinal hollow neck extending from the forward end of the handle and formed with a row of spaced openings, and a pair of substantially parallel walls extending longitudinally of said neck and forming a channel therebetween, said openings communicating with said channel, and said walls having teeth to grip an applicator pressed into said channel to cover said openings.

2,299,296
HAIR OPERATOR'S INSTRUMENT
Joseph J. Battle, New York, N. Y.
Application October 21, 1941, Serial No. 415,891
14 Claims. (Cl. 132—13)



1. An instrument of the character described comprising a tubular handle closed at its rear end, a longitudinal hollow neck extending from the forward end of the handle, and offset therefrom, and parallel thereto, said neck being formed with a row of spaced openings, and applicator means on said neck adapted to receive liquid passing through said row of openings.

2,299,297
CAR DOOR LIFTING MECHANISM
Wilfred A. Beauchamp, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Original application December 17, 1937, Serial No. 180,382. Divided and this application February 12, 1940, Serial No. 318,447
12 Claims. (Cl. 16—99)



1. Lifting mechanism for sliding doors having metallic panels comprising a metallic member adapted to be fastened to the panel of said door, said member having an inner vertical leg, spaced channel shaped members secured to said leg, a roller in each end channel shaped member including a core and a rim, a cylindrical pin extending eccentrically through each core and supported by said inner vertical leg and channel shaped member, an actuating member rotatably

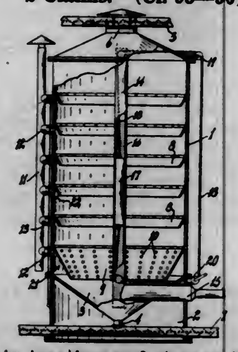
mounted in an intermediate channel shaped member, an operating lever secured to said actuating member and means secured to the cores of said rollers and said actuating member, said means being secured to said actuating member at opposed points.

2,299,298
DRY ORE CONCENTRATOR
Edward Bignell, Los Angeles, Calif., assignor to John C. Gillham, Los Angeles, Calif.
Application January 15, 1940, Serial No. 313,840
5 Claims. (Cl. 209—470)



1. In an ore concentrating machine, a frame, an apertured air chamber mounted on said frame, an ore carrying belt mounted on said frame about said air chamber, means for moving said belt relative to said air chamber, cushioning means on the chamber, means on the under face of the belt cooperable with the cushioning means for whipping said belt during movement thereof, the apertures in the air chamber being cooperable with said means on the belt for vibrating said belt during movement thereof, and means for supplying the air chamber with air.

2,299,299
GRAIN STORAGE AND TREATING TANK
Claud H. Bills, Los Angeles, Calif.
Application April 5, 1939, Serial No. 266,148
2 Claims. (Cl. 98—56)



1. A grain treating and storage tower adapted to both treat and store grain comprising a vertical pipe within the tower and positioned centrally of the tower, said pipe having openings in the side thereof, an intake pipe extending into said vertical pipe, a second vertical pipe adjacent the wall of the tower and positioned outside of the tower, a plurality of ducts extending from the second vertical pipe into the side of the tower, a conical baffle ring on the inner surface of the tower opposite each of the ducts, said baffle ring being positioned above the ducts and extending around the inner surface of the tower concentrical therewith, and a damper in each of the ducts.

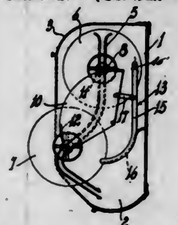
2,299,300
RUG OR MAT AND METHOD OF MAKING THE SAME
Hermania Björnson, Glen Lake, Minn.
Application November 27, 1941, Serial No. 420,672
8 Claims. (Cl. 66—170)

1. The method of making a rug or mat which consists in crocheting a continuous cylinder of fabric material, flattening said cylinder to bring



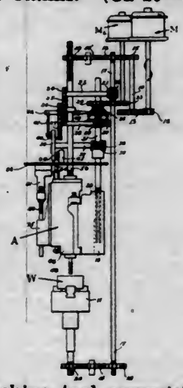
the sides into contact and stitching said sides together to form a flat rectangular rug or mat.

2,299,301
AUTOMATIC ROLL DISPENSER
Thomas J. Britt, Long Beach, and Edmund A. Trevino, Los Angeles, Calif.
Application October 29, 1940, Serial No. 363,286
8 Claims. (Cl. 242—55.3)



1. An automatic roll dispenser comprising a housing, a plurality of rolls positioned in the housing, guide means in which said rolls are mounted, latch means engaging the rolls and trip means operably connected to said latch means whereby the latch means is released when one of the rolls has been used, said trip means engaging the used roll.

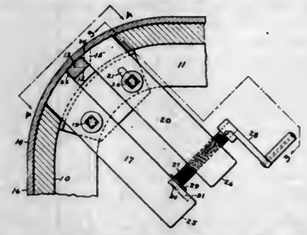
2,299,302
ATTACHMENT FOR MACHINE TOOLS
Edward P. Bullard, III, Fairfield, and Andrew C. Lindmark, Bridgeport, Conn., assignors to The Bullard Company, a corporation of Connecticut
Application August 3, 1940, Serial No. 350,574
17 Claims. (Cl. 10—129)



1. In a machine tool comprising a rotatable work-supporting member, a saddle adapted to be moved toward said member at a relatively slow rate of speed proportional to the rate of rotation of said member and to be moved away from said member at a relatively fast rate of speed; the

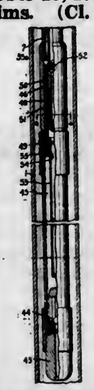
combination with said saddle of a tapping attachment including a rotatable, axially-movable tap-supporting spindle; means for holding said spindle against rotation in a fixed axial position relative to said saddle during a tapping operation; and means operable between the downward and upward movements of said saddle for releasing said holding means and for rotating said spindle in the same direction of, but at a faster rate than the rotation of said member.

2,299,303
CLAMP FOR BOATBUILDING
Loren P. Burch, Aberdeen, Wash.
Application March 25, 1941, Serial No. 385,081
4 Claims. (Cl. 9—6.5)



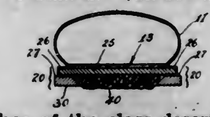
1. A clamp for chine strips in ply wood boat building consisting of a slotted form adapted to hold a chine strip and a pair of jaws mounted in said form adapted to hold the chine strip, one of said jaws being longitudinally movable for the purpose of permitting the chine strip to be moved diagonally off of its slot.

2,299,304
FLUID LIFT PUMP
Walter L. Church, Houston, Tex.
Application October 18, 1940, Serial No. 361,731
3 Claims. (Cl. 103—231)



1. A fluid lift pump for wells comprising a pipe having an entrapping chamber at its lower end and having a restricted passageway leading from within the pipe into the chamber, a valve controlling the passageway and arranged to be opened by the pressure of an operating fluid in the pipe, means normally holding the valve closed to prevent the flow of fluid from the chamber into the pipe, said chamber having an inlet, a valve controlling the inlet to allow the inlet of well liquid into the chamber but to prevent the outflow of liquid from the chamber into the well, an eduction tube through which the well liquid is conducted to the ground surface, a flow pipe anchored to the cylinder and forming, in effect, an extension of the eduction tube and whose lower end extends into the chamber, said chamber and said flow pipe having relief ports at the upper end of the chamber and a back pressure valve in the eduction tube arranged to allow the advance of liquid from the chamber, through the tube, but to prevent the back flow of such liquid.

2,299,305
PLATFORM SHOE
Frank Ciaio, Corona, Long Island, N. Y.
Application July 9, 1941, Serial No. 401,569
3 Claims. (Cl. 36—25)

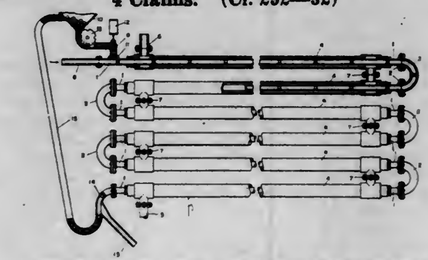


1. In a shoe of the class described having an upper, an insole and a heel, and a unitary sole member split in the forward portion thereof for the full width thereof from the toe to the forward part of the shank to provide a platform section and an outsole section, said platform section having a covering over the edge thereof to give the appearance of a separate and independent part from said outsole section, said platform and outsole sections being integral at said forward part of the shank and being attached together, and a resilient pad in said forward portion of the sole member.

2,299,306
PARAFFIN WAX COMPOSITION AND METHOD OF PRODUCING SAME
Mead Cornell, Cleveland, Ohio, assignor to The Cornell Machine Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application August 12, 1938, Serial No. 224,492
11 Claims. (Cl. 106—271)

2. The method of improving the properties of paraffin wax affecting its use as a coating material for paper and the like which comprises homogenizing with such wax from about .1% to about 10% of a petroleum resin and from about .1% to about 10% of an aromatic amide of a fatty acid.

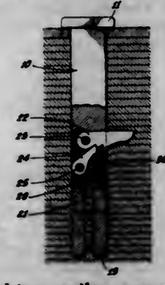
2,299,307
METHOD OF AND APPARATUS FOR TREATING MATERIALS
Mead Cornell, Cleveland, Ohio, assignor to The Cornell Machine Company, Cleveland, Ohio, a corporation of Ohio
Application February 2, 1940, Serial No. 317,002
4 Claims. (Cl. 252—32)



1. In the process of modifying the temperature of material, the step of causing a stream of such material to flow through an elongated conduit

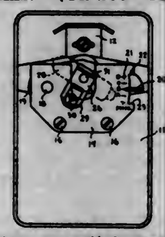
while having entrained therein a plurality of solid objects effective to break up the adherent film of such material on the inner surface of the conduit such film normally affecting the heat transfer through the walls of the conduit.

2,299,308
SELF-LOCKING SPIKE
Russell A. Creighton, Laguna Beach, Calif.
Application August 15, 1941, Serial No. 406,970
4 Claims. (Cl. 85—27)



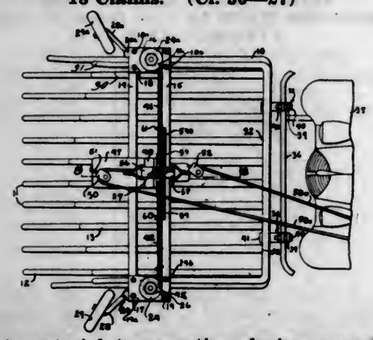
3. A self-locking spike comprising: a shank provided with four sides, a head at one end and a wedge-shaped end opposite said head; a slot extending through the shank in a direction parallel to the edge of the wedge; a longitudinally directed bore from the edge of the wedge to the bottom of said slot; a locking arm pivotally mounted in the slot and adapted to swing outwardly from within the slot to beyond the side of the shank; and means movably positioned within the slot and actuated by material into which the spike is driven, said material extending through said bore, for moving the locking arm into extended position and for holding the same in such extended position.

2,299,309
SWITCH ACTUATING DEVICE
Stephen Crum, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 13, 1939, Serial No. 299,317
6 Claims. (Cl. 200—155)



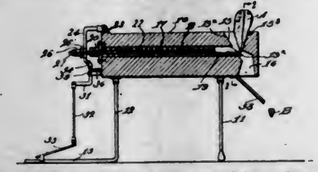
1. In combination, a switch operable between open and closed positions, a first arm for operating said switch, a sensitive condition responsive element, a second arm connected to said element for rotation thereby upon variations in said condition, one of said arms having an opening of varying width therein and the other of said arms carrying a projection entering said opening to form a lost motion connection, said element causing transverse motion of said projection in said opening to provide a differential between the values of said condition which cause actuation of said switch in opposite directions, a fixed support, means mounted on said fixed support for bodily shifting said first arm and said switch to cause motion of said projection lengthwise of said opening and thereby vary said differential, and a pivotal connection between said first arm and said shifting means for permitting free transverse movement of said projection in said opening, thereby preventing transmission of torque from said shifting means to said sensitive element.

2,299,310
TRANSPORTING AND LIFTING MECHANISM
Oscar A. Dammeyer, New Bremen, Ohio
Application April 22, 1941, Serial No. 389,799
18 Claims. (Cl. 56—27)



1. A material transporting device comprising a scoop, caster wheels having the wheel axis off-center from the spindle thereof carried by said scoop and having their spindle means positioned angularly with respect to the vertical and with the upper end of said spindle tilted rearwardly with respect to the rear end of said scoop, tie rod means, means extending from said spindles to which said tie rod means is secured, a pivot joint connecting the tie rod means extending from said spindles, and means for breaking said joint to permit said wheels to rotate upon said spindles in a direction from the front to the rear of said scoop.

2,299,311
OYSTER PUNCHING MACHINE
Leary Dickerson, Nesting, Va.
Application November 8, 1941, Serial No. 418,418
2 Claims. (Cl. 17—9)

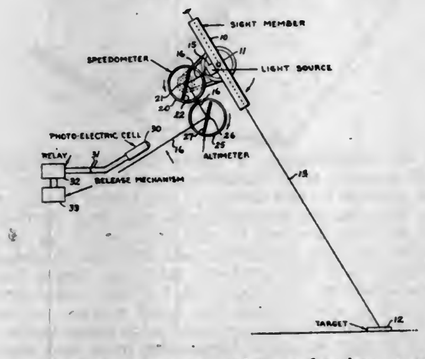


1. An oyster punching machine including a body portion, an oyster receiving channel extending transversely of the body, a longitudinal bore formed in the body and communicating with the channel, a plunger mounted for reciprocation within the bore and having a portion extending outwardly of the body, a cutter head carried by the plunger and adapted to be moved into said channel, an angle lever pivotally connected to said body and surrounding said extending portion of the plunger, a movable trip lever adapted to releasably engage and rock said angle lever, means carried by the plunger and adapted to be engaged by said angle lever whereby to move the plunger in a direction away from said channel when said angle lever is rocked, spring means for moving said plunger in the opposite direction when said angle lever is released from said trip lever, and means for rocking said trip lever.

2,299,312
STABILIZED DRY ROSIN SIZE
Arthur C. Dreshfield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 4, 1940, Serial No. 368,457
8 Claims. (Cl. 106—218)

1. A stabilized dry size composition comprising saponified rosin and, as an anti-oxidant therefor, a material selected from the class consisting of the condensation products of aliphatic ketones with secondary aromatic amines of the benzene and naphthalene series and the hydrogenation products thereof, said anti-oxidant being present in an amount sufficient to render the composition substantially resistant to oxidation.

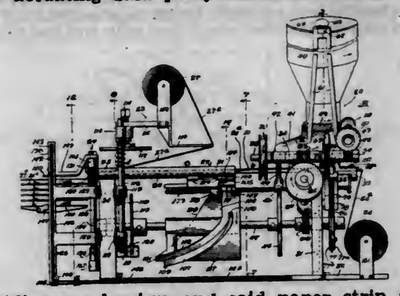
2,299,313
BOMB SIGHT
Franklin W. Durgin, Washington, D. C.
Application October 28, 1941, Serial No. 416,915
7 Claims. (Cl. 33—46.5)



7. In aircraft bomb sight mechanism, a sight member rotatable to permit continuous training on a target being approached, means for producing a light ray and directing said light ray depending on the angular position of the sight member, a speedometer driven by rotation of the sight member, an altimeter, means operated by the speedometer to variably deflect the light ray, and means operated by the altimeter to variably deflect the light ray, whereby said light ray is guided toward a definite zone when a balance exists between the positions of the sight member, speedometer, and altimeter.

2,299,314
PATTY-MAKING MACHINE
Joseph Elesh and Julius F. Kopsa, Chicago, Ill., and Herbert W. Anderson, Chesterton, Ind., assignors to Joseph Elesh, Chicago, Ill.
Application March 2, 1939, Serial No. 259,402
22 Claims. (Cl. 17—32)

1. In a patty making machine, the combination of patty material feeding and dividing mechanism, a table upon which a bottom paper strip travels, and conveys patties, deposited thereon from said patty material feeding and dividing mechanism, underneath a top paper strip, paper strip feed mechanism, and actuating mechanism for actuating said patty material feeding and



dividing mechanism and said paper strip feed mechanism in timed relation.

2,299,315
PUMP
Carroll L. Evans, Tipton, Calif.
Application March 5, 1940, Serial No. 322,393
3 Claims. (Cl. 103—148)

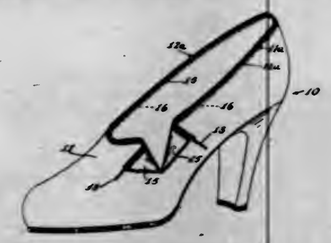


1. In a pump the combination with a cylinder having a valved inlet and a valved outlet, of an expansible, sealed plunger in the cylinder comprising a rod mounted for reciprocation in the cylinder, a plunger head carried by the rod, an imperforate elastic sleeve secured at one end to the plunger head and anchored at its other end to the cylinder, thereby to provide a sealed casing and a series of spacing washers movably engaging and centered by the rod and surrounded by and joined to the sleeve, said washers normally contacting and cooperating to fill the sleeve when in normal position.

2,299,316
SHOE CONSTRUCTION AND BINDING CORD THEREFOR
Jacob Fein, Bronx, N. Y.
Application March 18, 1941, Serial No. 383,939
1 Claim. (Cl. 36—57)

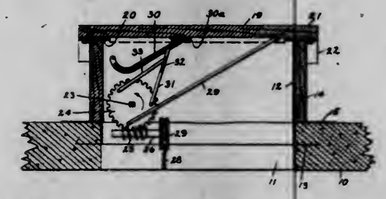
In a low shoe having an upper and a lining and provided with a top opening extending from substantially the instep to the heel, and a binding attached to the marginal edge of said upper at said opening, said binding comprising a woven tape folded upon itself longitudinally of the tape and providing two layers and having an integrally woven longitudinally extending edge portion at said line of fold which is thicker than the com-

bined thickness of said two layers at the portions thereof located inwardly of said edge portion, said last mentioned portions being positioned between said upper and the lining and said thicker folded



edge portion lying above and adjacent the top edge of the upper and providing a longitudinally extending rib-like element forming a finished edge for the upper at said opening.

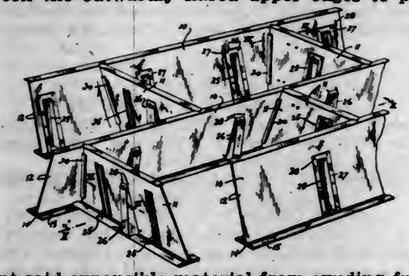
2,299,317
CLOSURE FOR ROOF HATCHES
George Fink, Yonkers, N. Y.
Application April 6, 1940, Serial No. 328,209
2 Claims. (Cl. 268—100)



1. A closure for a roof hatch comprising, a hatchway surrounding the hatch and extending upwardly from the roof, a cover for the hatchway normally resting on the upper edge of the hatchway when in closed position, a shaft mounted within the hatchway and at one side thereof, a worm gear mounted on the shaft, a worm meshing with the worm gear, means for rotating the worm in either direction to cause a corresponding rotation of the worm gear, a connecting rod pivotally mounted one end to the worm gear, and the other end to the under face of the cover, a second connecting rod provided with a trackway and pivotally connected, one end to the side of the hatchway and the other end to the under face of the cover, a connecting rod provided with a trackway and pivotally connected at one end to the worm gear and having the other end connected to said second connecting rod for sliding movement in said trackway, and a connecting link pivotally connected at one end to the worm gear and having its other end slidably mounted in the last said trackway.

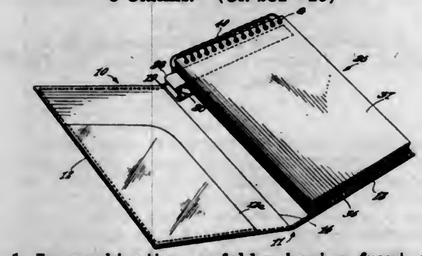
2,299,318
FORM FOR PAVING BLOCKS
George W. Forsberg, Albany, Calif.
Application January 6, 1940, Serial No. 312,695
3 Claims. (Cl. 94—8)

1. In forms for paving blocks or the like, a form wall comprising spaced sheets of paper-like material and an intermediate layer of expansible material, said sheets being flared outwardly adjacent the upper edge of the wall to provide rounded edges on blocks cast on opposite sides of the wall, and a filler member of resilient material incorporated in the form between the outwardly flared upper edges to pre-



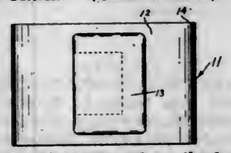
vent said expansible material from exuding from the joint between adjacent blocks.

2,299,319
PAD HOLDER
Emanuel Gale, New York, N. Y.
Application March 13, 1941, Serial No. 383,129
8 Claims. (Cl. 281—19)



1. In combination, a folder having front and back sections interconnected by a fold portion, a link pivoted to the inside of the folder about an axis parallel to and adjacent the fold portion, and an arm pivoted to said link about an axis parallel to the first axis, and likewise disposed adjacent said fold portion, said arm being disposed adjacent the upper edge of the folder and adapted to swing from the front section to the back section thereof, and said arm being located substantially wholly between the front and back sections of said folder, said arm having means to support a pad mounted thereon and located between the front and back sections of the folder, and swingable with said arm from the back to the front sections.

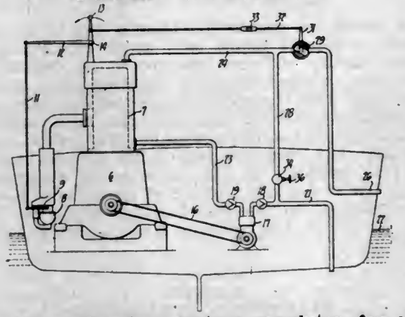
2,299,320
CONCEALED FIXTURE SUPPORT
Gustave A. Hallenscheid, Los Angeles, Calif.
Application August 24, 1940, Serial No. 354,024
1 Claim. (Cl. 248—224)



A device of the character described, comprising a rectangular fastening plate adapted to be secured to the face of a rigid member, a pin projecting from the horizontal marginal edge of said plate, a fixture element including a base, a rectangular recess formed within the base and within which the rectangular plate nests, the dimensions of the perimeter of the recess being greater

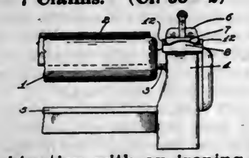
than the dimensions of the perimeter of the fastening plate, whereby the base may have relative movement to the fastening plate both horizontally and vertically with relation to the normal plane of the plate and the depth of the recess being substantially that of the fastening plate, whereby the base will rest firmly against the plate and the surface to which the plate is secured, an elongated slot formed in the wall of the recess to receive the pin carried by the fastening plate and hold the base and fastening plate in interlocked relation to each other, and a set screw extending through the lower marginal edge of the base plate and engaging the lower face of the fastening plate to secure the base and fastening plate in their interlocked relation to each other.

2,299,321
ENGINE TEMPERATURE REGULATOR
John E. Hampton, Vallejo, Calif., assignor to Yuba Manufacturing Company, San Francisco, Calif., a corporation of California
Application October 14, 1940, Serial No. 361,034
4 Claims. (Cl. 123—178)



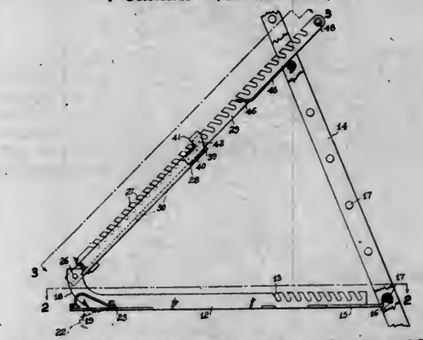
1. An engine temperature regulator for use with an engine installed in a boat and having a water jacket, comprising a force pump driven by said engine and discharging into said jacket, an intake duct extending from below the water line to the intake of said pump, a pipe extending from the outlet of said pump to said jacket, a discharge duct extending from said jacket overboard above the water line, means for controlling the speed of said engine, a variable restriction in said discharge duct, means for varying said restriction and controlling said speed simultaneously, a by-pass duct joining said discharge duct between said jacket and said restriction with said intake duct ahead of said pump, and a variable restriction in said by-pass duct.

2,299,322
IRONING APPARATUS
Mabel B. Harter, Rochester, Ind.
Application March 24, 1941, Serial No. 384,813
7 Claims. (Cl. 38—2)



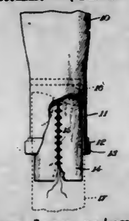
4. In combination with an ironing machine of the type which includes a padded roll, a hand iron having a sole plate with a transversely concave under surface having a curvature approximating that of the ironing machine roll, said hand iron being freely movable longitudinally over the exposed surface of the ironing machine roll to perform an ironing function in cooperation therewith.

2,299,323
COMBINATION BUILDING JACK
William Hetky, Cleveland, Ohio
Application November 7, 1941, Serial No. 418,197
7 Claims. (Cl. 304—10)



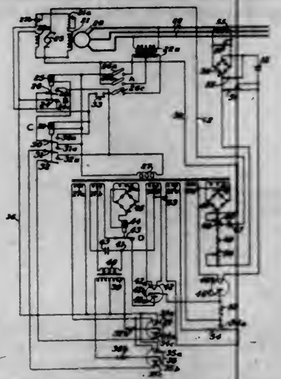
1. A combination building jack for providing support for a scaffold board, said jack comprising a base member, a center arm pivotally connected to said base member, means on said base member for attaching it to a part of a building, a third detachable member adapted to be mounted on said center arm in alignment or at an angle with the same and fastening means on said third member for attaching it to a part of said building.

2,299,324
PROTECTOR FOR BREECHES
John W. Henderson, Madison, Pa.
Application April 5, 1941, Serial No. 387,078
1 Claim. (Cl. 2—228)



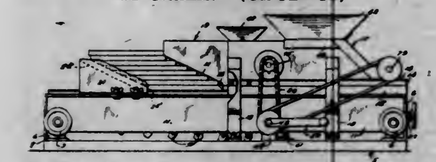
Breeches having legs extending a short distance below the knees of the breeches, those portions extending below the knees being flared and provided at the lower ends with elastic bands secured in respective hems formed at the bottom of the flared portions, laced cuffs attached at their upper ends to the legs above the upper ends of the flared portions by respective lines of stitching, said cuffs projecting below the flared extended leg portions and being adapted to fit the wearer's leg tightly, said cuffs being adapted to be inserted in the upper ends of knee length boots, said elastic bands adapting the flared leg portions to be easily folded upwardly above the knees of the wearer out of the way preparatory to the lacing of the cuffs and putting on the boots, said elastic bands also adapting the flared leg portions to be readily placed over the upper ends of the knee length boots and subsequently causing the flared portions to hug the boot legs snugly and prevent access of snow, rain and dirt to the tops of the boots.

2,299,325
DYNAMOELECTRIC CONTROL SYSTEM
Charles C. Hutchins, Ridgway, Pa., and Frank G. Logan, Mount Vernon, N. Y., assignors to Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 13, 1939, Serial No. 303,986
13 Claims. (Cl. 171—119)



1. In a dynamoelectric system for supplying a substantially constant voltage at armature terminals of an electric generator, the combination of an electric generator having armature and field electromagnetic circuits adapted to move relatively with respect to each other and to provide a main generator electromagnetic circuit, said field circuit having means providing it with greater effective inductance than said armature circuit; an exciter, said exciter having means connected to respond to changes in line voltage, and means adapted to impress a corrective current upon said field circuit in response to the changes in line voltage; means operably associated with said main electromagnetic circuit to set up a flux opposing a change in mutual flux due to a change of line voltage, said last-mentioned means being proportioned to delay a change of mutual flux of the main electromagnetic circuit until said exciter has impressed a corrective current on said field circuit.

2,299,326
BUTTERING MACHINE
Arthur W. Kiehn, Elizabeth, N. J.
Application June 26, 1941, Serial No. 399,907
11 Claims. (Cl. 91—30)



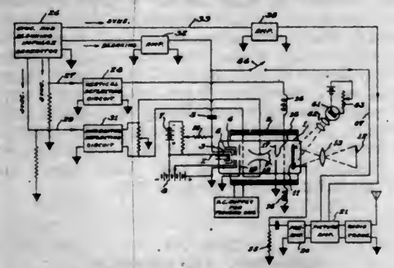
1. In a slab buttering machine, a bed, slab supporting guides on said bed, a unit on said bed coacting with said guides in the support of slabs, a slab rack on said bed for supporting stacked slabs at one end of the bed over said guides and the unit, cement and mortar hoppers mounted on the bed forwardly of the rack and over the guides, and a slab feed means carried by said unit for taking slabs one at a time from the rack and advancing them under the hoppers to have cement and mortar applied to said slabs and advance the slabs from one end of the bed for manual setting on a scratch coat.

2,299,327
MEANS FOR DESTROYING AIRCRAFT
Sidney P. Johnson, Birmingham, Ala.
Application October 8, 1940, Serial No. 360,319
1 Claim. (Cl. 89—1)



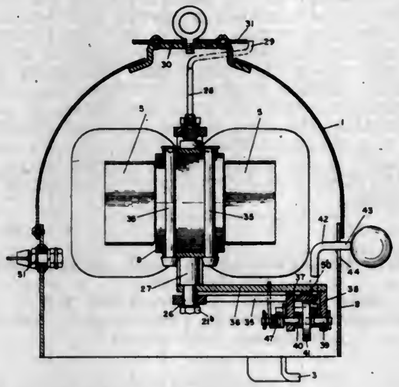
A device for suspension from a reel in an aircraft to depend below said craft comprising a cable having one end adapted to be connected with the reel and the cable adapted when partly unwound from the reel to engage another aircraft to damage the same, said cable having a rounded front edge and converging side edges which form a sharp rear edge, the converging side parts preventing twisting of the cable when suspended from the reel and a coating of particles of abrasive material on the cable for increasing the cutting action of the cable on the aircraft engaged thereby.

2,299,328
TELEVISION APPARATUS
Ray D. Kell, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1939, Serial No. 292,790
6 Claims. (Cl. 178—7.2)



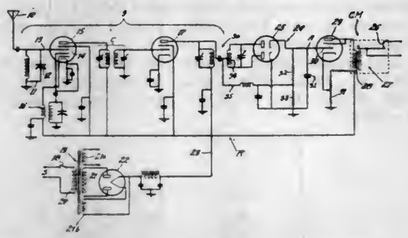
1. In a television system having a cathode ray pick-up tube of the type having a mosaic of electron emissive capacity elements and having means for producing an electron beam and directing it against said mosaic, the electrons in said beam approaching zero velocity at the point of impact on said mosaic and having substantially zero velocity in the region of said mosaic when it is dark, the method of causing the output signal of said tube to go periodically to an amplitude level in the direction of black at least as great as that representative of black in the picture being transmitted which comprises producing periodically recurring electrical pulses and so applying said pulses to said tube as to periodically block said beam.

2,299,329
WELDING TRANSFORMER
George G. Landis, Cleveland, Ohio, assignor to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
Application April 28, 1939, Serial No. 270,566
11 Claims. (Cl. 171—119)



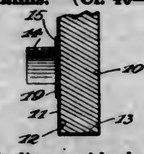
1. In a transformer, the combination of a laminated stator of hollow cylindrical form, said stator comprising two half sections closely clamped together, each having a central inwardly directed arcuate projection, a primary coil and a similar secondary coil encircling each such stator section, the inner portions of said coils respectively lying adjacent opposite sides of the projection on such stator section and the outer portions of such coils lying adjacent each other, whereby there is provided a pair of oppositely extending primary coils and a corresponding pair of oppositely extending secondary coils, the coils of each pair being suitably connected together, and a rotatable magnetic shunt within said stator.

2,299,330
REMOTE CONTROL SYSTEM
Vernon C. Macnabb, Indianapolis, Ind.
Application November 7, 1941, Serial No. 418,129
7 Claims. (Cl. 250—2)



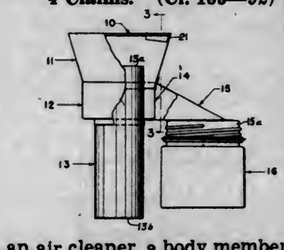
1. A remote control system comprising, in combination, a transmitter of an undamped wave signal at radio frequency, a governing means for a device to be actuated including a relay and a relay tube supplying the current flowing through the relay and having a grid, said relay being adjusted to be actuated only by a current of a predetermined value, and a receiver including a discriminator having circuits balanced at a critical frequency and including a point of zero potential at the critical frequency connected to the grid of said relay tube to govern the plate current of said tube.

2,299,331
SIGN
Camillo Marinone, New York, N. Y.
Application November 7, 1939, Serial No. 303,218
5 Claims. (Cl. 40—134)



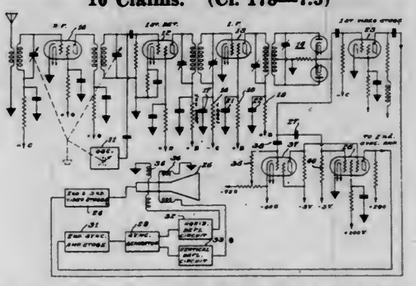
4. A sign including a black base, upstanding transparent thin sheet cellulose acetate letters including fluorescent material, and an opaque white reflecting background for each letter adapted to deflect light in part onto and through the acetate letters to cause partial fluorescence by transmitted light.

2,299,332
AIR CLEANER
Robert Marshall, Jr., Portland, Oreg.
Application March 2, 1940, Serial No. 321,880
4 Claims. (Cl. 183—92)



1. In an air cleaner, a body member containing a generally frusto-conical chamber, a base member for said chamber with a solid center and an annular vaned inlet, an induction pipe axially positioned in said chamber in such manner that its inner end is shielded by the solid center of the base, and a dust tube normal to the smaller end of the chamber and in communication therewith, the said dust tube embodying a turn portion spaced from the chamber by the tube and a dust receptacle hermetically sealed to the outlet of the said turn portion.

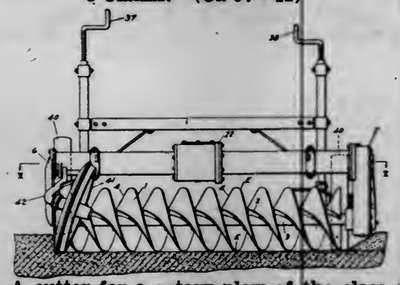
2,299,333
NOISE SUPPRESSION SYSTEM
Ciro C. Martinelli, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 28, 1939, Serial No. 287,027
10 Claims. (Cl. 178—7.5)



1. In a television receiver for the reception of a composite signal comprising picture signals, periodically recurring high frequency synchroniz-

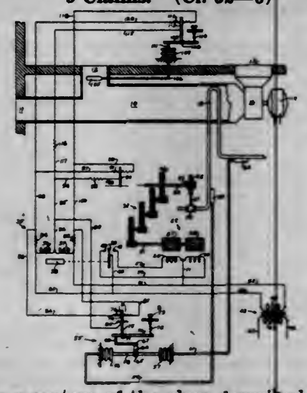
ing impulses and periodically recurring low frequency synchronizing impulses, means for demodulating a carrier wave modulated by said composite signal, an amplifier stage preceding said demodulating means for amplifying said modulated carrier and an amplifier succeeding said demodulating means for amplifying said composite signal, said first-mentioned amplifier stage comprising an amplifier tube having a control grid, and a filter comprising a resistor shunted by a condenser and through which a biasing potential may be applied to said grid, the time constant of said filter being a value which is not substantially greater than the time from the beginning of one of said high frequency synchronizing impulses to the beginning of the next succeeding high frequency synchronizing impulse.

2,299,334
ROTARY PLOW
Gustave O. Matter, Portland, Oreg.
Application May 29, 1939, Serial No. 276,331
8 Claims. (Cl. 97—41)



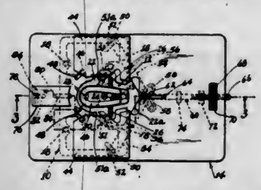
1. A cutter for a rotary plow of the class described comprising a shaft, two spiral flanges in circumferential spaced relationship that are made rigid with the shaft and a cutter removably attached to each flange, the said cutters being characterized by being oblique helicoids, the surfaces of which are so formed that any section intersecting the axis of the oblique helicoid will be substantially straight.

2,299,335
AIR CONDITIONING SYSTEM
William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 25, 1938, Serial No. 215,796
9 Claims. (Cl. 62—6)



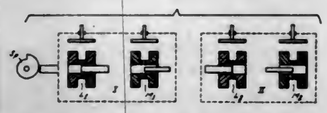
1. In a system of the class described, temperature changing means, a valve for controlling the flow of a temperature changing medium through said temperature changing means, a motor for controlling the position of said valve, an expansible device responsive to the temperature of the temperature changing medium entering said temperature changing means, an expansible device responsive to the temperature of the temperature changing medium leaving said temperature changing means, circuit controlling means for said motor controlled by the conjoint action of said expansible devices for positioning the valve in response to changes in temperature differential between the inlet and outlet of said temperature changing means, and means responsive to a condition which is a measure of a need for more or less temperature changing for varying the effect of said circuit controlling means on the motor.

2,299,336
MEANS FOR PREPARING THE HEEL SEATS OF INSOLES
Harry McGrory, Richmond Hill, N. Y.
Application December 10, 1940, Serial No. 369,398
11 Claims. (Cl. 12—31.5)



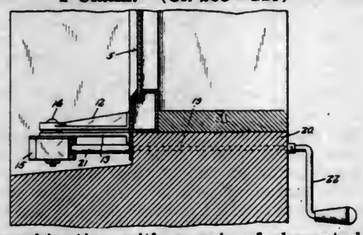
1. A device of the class described comprising a die outer having a U-shaped cutting edge, and stationary means forming a molding surface disposed inwardly of and adjacent to the plane of said cutting edge, said die cutter having an inner surface terminating in said U-shaped cutting edge and said molding surface having a bounding edge abutting said inner surface of said die cutter.

2,299,337
ARRANGEMENT FOR VARYING THE BAND WIDTH IN HIGH FREQUENCY CIRCUITS
Wilhelm Mennerich, Potsdam, Otto Siepke, Berlin-Staaken, and Alexander Schaaf, Berlin-Charlottenburg, Germany; vested in The Alien Property Custodian
Original application March 26, 1937, Serial No. 133,138. Divided and this application May 16, 1939, Serial No. 273,826. In Germany March 26, 1936
5 Claims. (Cl. 178—44)



3. In signalling apparatus, a first pair of coils each provided with an adjustable core of ferromagnetic material for detuning the coils to opposite sides of a mid-frequency, a second pair of coils each provided with an adjustable core of ferro-magnetic material for detuning the latter coils to opposite sides of a second mid-frequency, all of said coils being mounted end to end fashion and in coaxial relation, and single means for adjusting all of said cores in unison with respect to their associated coils.

2,299,338
CASEMENT WINDOW ADJUSTER
Charles Meyer, Jr., Miami Beach, Fla.
Application November 25, 1940, Serial No. 367,088
1 Claim. (Cl. 268—119)



In combination with a pair of elongated and outwardly extending hinge members for connecting a sash to a frame with one member connected with the frame and the other to the sash, a casing connected to the underside of the outer end of the hinge member which is connected with the frame, a pivot pin passing through the outer end of the two hinge members and connected with the hinge member carried by the sash and said pivot pin having a non-circular part located in the casing, a worm wheel connected with said non-circular part located in the casing, a shaft passing through a part of the frame and into the casing, a worm gear on the outer end of the shaft and located in the casing and meshing with the worm gear, a handle connected with the inner end of the shaft for rotating the same to cause the worm gearing to open or close the sash, a sleeve extending from the frame to the casing and through which the shaft passes, the said hinge member carried by the sash being arranged at an angle from the sash to the pivot pin.

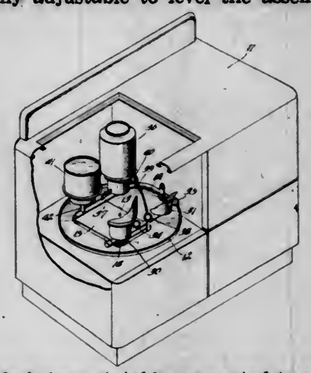
2,299,339
SAFETY RAZOR
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application June 8, 1942, Serial No. 446,165
5 Claims. (Cl. 30—84)



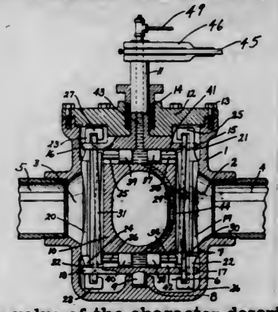
1. A safety razor cap including in its structure a rectangular body of sheet metal having spaced longitudinal shoulders defining a trough therein, longitudinal extensions from both ends of the said body folded inwardly into the said trough and each having an upstanding transverse blade-locating flange at its inner end, the said flanges being spaced apart from each other, and an upstanding threaded stud rigidly set in the body of the cap midway between the said blade-locating flanges and projecting outwardly between them.

2,299,340
STOVE CONSTRUCTION
Averd G. Nelson, Wisconsin Rapids, Wis., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis., a corporation of Wisconsin
Application August 27, 1941, Serial No. 408,416
2 Claims. (Cl. 126—44)

1. In a liquid fuel stove construction, a housing having a burner supporting tray therein, a pivot on said tray, and a burner and tank assembly having a plurality of rollers supporting it from the tray, at least one of said rollers being vertically adjustable to level the assembly, said assembly being rotatably connected to said pivot, whereby the burner and tank may be selectively moved to the front of the housing.



2,299,341
VALVE
Robert L. Ohls, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application March 3, 1941, Serial No. 381,485
7 Claims. (Cl. 251—102)



6. In a valve of the character described having a ported valve chamber, seats around said ports, a pair of closure members retractable from their seats and a carrier rotatably mounted in said chamber for displacing said closure members to open and closed positions, said closure members being capable of radial movement relative to said carrier but rotatable therewith, said carrier having transverse bores adjacent its ends, a pair of pistons in each bore, means connecting one of each pair of pistons to each closure member for retracting the latter from their seats, a stem extending from said carrier to the exterior of the valve, said stem and carrier having ducts communicating with said bores, and means carried by said stem for applying pressure to fluid in said duct.

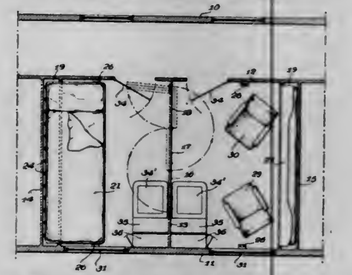
2,299,342
ELECTROACOUSTICAL APPARATUS
Harry F. Olson, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1939, Serial No. 306,954
11 Claims. (Cl. 179—121)

3. In electroacoustical apparatus, the combination of a member adapted to be actuated by acoustical waves, and a plurality of tubular elements associated with said member and arranged

to direct acoustical waves to said member, said tubular elements being of equal length and having their ends open and all arranged on a single line.



2,299,343
SLEEPING CAR
John W. Patton, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 17, 1939, Serial No. 274,121
7 Claims. (Cl. 105—315)



1. In a sleeping car having a side aisle, a convertible room bounded by an aisle wall, a car side wall, and spaced walls extending between the aisle wall and said side wall, one of said transverse walls being thickened and provided with upper and lower vertically spaced recesses, upper and lower beds transversely hinged along their length to the bottom margins of said recesses, said beds being adapted, when made up as beds, to extend and be supported in horizontal position in the room but leaving a substantial space of standing room height between the beds and the opposite wall, the beds being adapted to be swung as fully made-up beds upwardly about their hinged connections into said recesses, respectively, with their bottom wall surfaces flush with the surrounding wall surfaces, thereby converting the bedroom into a sitting room in which substantially the entire floor area is available as standing or sitting room.

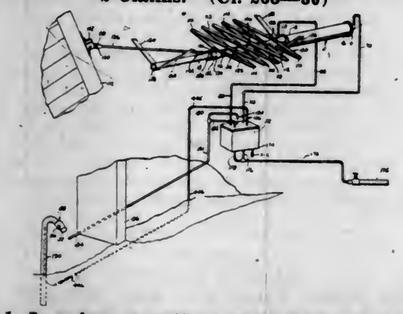
2,299,344
WINDING MACHINE GUIDE
Winthrop L. Perry, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application July 18, 1940, Serial No. 346,164
4 Claims. (Cl. 242—157)

1. A winding machine guide comprising an upstanding end having a pair of posts which define the eye through which the yarn passes, and an insert removably mounted on each post to define the side walls of a channel in the eye through which the yarn passes out of contact



with the posts whereby such posts are protected from wear, each insert being tubular in form and split longitudinally and having the edges of the split in engagement with a post so that portions of the posts defining the eye are enclosed by the inserts.

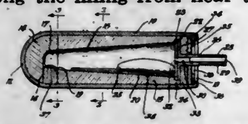
2,299,345
HYDRAULIC APPARATUS FOR OPENING, CLOSING, AND LOCKING DOORS, AND THE LIKE
Robert E. Peterson, Los Angeles, Calif., assignor to Sco-Peet Manufacturers, Inc., a corporation of California
Application February 24, 1940, Serial No. 320,664
2 Claims. (Cl. 268—30)



1. In a door operating apparatus having a cylinder and a piston reciprocally operated therein also having a piston rod connected to said piston including having a guide rod connecting said piston rod for operating said door into its open or closed position, the combination of, a source of fluid supply, a fluid control valve means connected to said cylinder and connected with said source of fluid supply for controlling the fluid flow therethrough and through said cylinder a fluid relay control means, a fluid flow centralizing member connecting said fluid relay control means, a rectifying bellows connecting said fluid flow centralizing member for controlling the flow of the fluid into said fluid relay control means, a manually operating fluid flow control means interconnecting said rectifying bellows and said fluid control valve means for controlling the fluid flow therethrough, and a safety lock means connected to said manually operating fluid flow control means for controlling the fluid flow through said apparatus and for controlling the operation of said fluid control valve means, substantially as described.

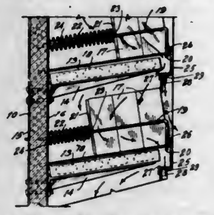
2,299,346
SWITCH
Ernst Walter Rickmeyer, Elmhurst, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application January 2, 1942, Serial No. 425,393
8 Claims. (Cl. 200—152)

1. A mercury switch comprising, in combination, a cylindrical metal shell providing one electrode and having a closed end and an open end, a lining of insulating material fitting into said shell and having an open end adjacent the open end of the shell, said lining having an opening between the ends thereof and near the closed end of the shell, said opening being defined by substantially parallel end walls and side walls which are substantially radial with respect to the cylindrical shell, a second electrode insulated from the metal shell by said lining and extending inwardly along the lining from near the open end



of the shell, means closing the open end of the shell exterior of the lining and electrode means for making an electrical connection to the second electrode, and a quantity of mercury within the closed shell, said quantity of mercury being sufficient to provide a stable body in said opening in contact with the shell, and a movable body adapted to bridge the gap between the stable body and the second electrode and cover a portion of the surface of the second electrode while bridging said gap and when said shell is disposed at a predetermined angle.

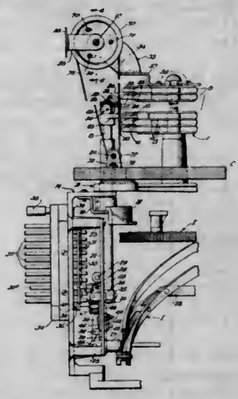
2,299,347
REFRIGERATED DISPLAY SHELF
Milton Rifkin, Denver, Colo.
Application April 13, 1942, Serial No. 438,857
13 Claims. (Cl. 62—89.5)



2. A refrigerating display case comprising: a vertical series of horizontally extending refrigerating shelves; means for supporting packages on each shelf; a shelf front member in front of each shelf and projecting above the shelf to contact the foremost packages along the shelf, said refrigerating shelves being inclined downwardly and rearwardly to the back of said case to form cold air pockets over each shelf; and a circulation passage between each shelf and its shelf front member to allow cold air to overflow and descend from shelf to shelf.

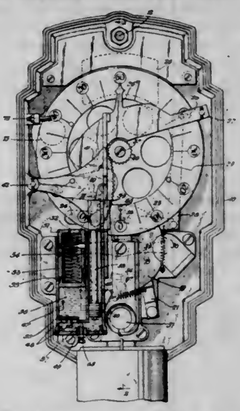
2,299,348
PHONOGRAPH INDICATOR
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 3, 1940, Serial No. 317,051
3 Claims. (Cl. 116—124)

2. In combination with an oscillatory and longitudinally reciprocable selector actuating shaft of a multi-record automatic phonograph adapted to reproduce selected records, means to visually indicate any record being reproduced comprising a rotatably mounted indicating element having a pulley thereon, an idler pulley, a belt extending over said pulleys and having its ends connected by a tension spring, the spring being disposed adjacent an end of said shaft, and a member



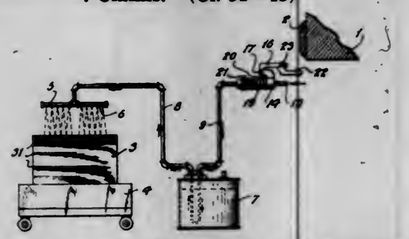
connected to said spring and shaft for reciprocation with the shaft and being rotatable relative thereto.

2,299,349
PARKING METER
David C. Rockola, Chicago, Ill.
Application March 28, 1940, Serial No. 326,361
3 Claims. (Cl. 161—15)



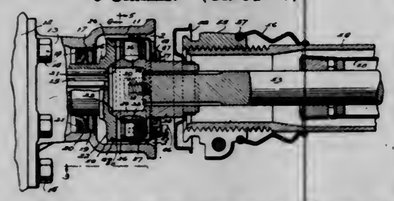
1. A parking meter comprising a movable parking period indicator, a reciprocable member operatively connected to said indicator for actuating the same, said reciprocable member comprising a fluid actuatable plunger, a fluid cylinder in which such plunger operates, manually operable means for moving said plunger in a direction to force fluid from said cylinder and to move said indicator to an initial position to indicate the beginning of a parking period, a second fluid cylinder communicating with the first cylinder for receiving fluid forced from the latter by said plunger, a piston in said second cylinder movable to an energy storing position by the fluid forced into the second cylinder by said plunger, and means for regulating the rate of flow of fluid from said second cylinder to said first cylinder by the action of said piston for operating the plunger in the opposite direction at a velocity whereby said indicator is operated from said initial position for measuring a parking period.

2,299,350
DRAWING COMPOUND APPLICATOR
Arthur E. Rowlands and Maurice M. Clemons, Cleveland, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 13, 1940, Serial No. 334,934
7 Claims. (Cl. 91—45)



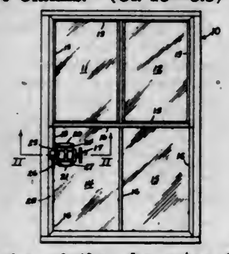
1. An apparatus for metering and applying drawing compound to sheet metal stock or the like comprising in combination a nozzle adapted to be directed at the surface to be treated, a reservoir for the drawing compound, a conduit connecting the reservoir with the nozzle for conducting the drawing compound from the reservoir to the nozzle, said conduit having an opening within the reservoir and positioned below the level of the drawing compound whereby the drawing compound flows into the conduit through said opening, a source of compressed gas, a connection between said source and said conduit, a valve in said connection, means to open said valve when said drawing compound is in said conduit whereby the gas forces the drawing compound through the conduit and nozzle on to the work and means to close said valve whereby said drawing compound may again flow into said conduit.

2,299,351
UNIVERSAL JOINT
Otto R. Schoenrock, Chicago, Ill., assignor to Aetna Ball Bearing Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 2, 1941, Serial No. 400,783
9 Claims. (Cl. 64—7)



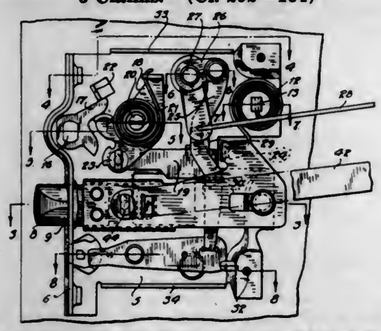
1. A universal joint having a driving and a driven member, one of said members having a spherical ball end portion and the other of said members having a spherical socket to receive said ball portion, the member having the ball portion having a pair of laterally projecting pads, the lateral surfaces of said pads having a spherical curvature concentric with said ball portion, a trunnion projecting laterally beyond each of said lateral pads, the axes of said trunnions lying along a diameter of the sphere defined by said lateral surfaces, trunnion blocks pivoted on said trunnions, and a skeletonized cylinder carried by the socketed member and enclosing said pads, said cylinder having substantially the same radius of curvature as the lateral spherical surfaces of said pads, and having longitudinal slots therein to receive said trunnion blocks for driving connection between said members.

2,299,352
PUTTY APPLICATOR
Harold Frank Sergeant, Wilmette, Ill.
Application July 3, 1940, Serial No. 343,827
10 Claims. (Cl. 18—3.5)



1. In a device of the character described, a container for plastic material, roller means connected to said container in spaced relation from each other, and a discharge conduit intermediate and adjacent said spaced roller means for laying a ribbon-like body of plastic adjacent said container.

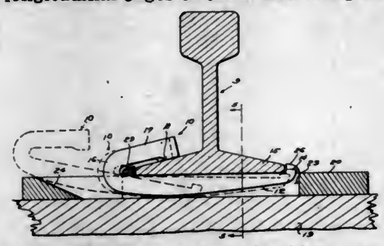
2,299,353
DOOR LOCK
Emory Glenn Simpson, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Original application June 3, 1939, Serial No. 277,224. Divided and this application September 20, 1940, Serial No. 357,522
3 Claims. (Cl. 292—164)



2. A door lock having a retractable latch bolt, a shiftable retractor shiftable into one position where the retractor is effective to retract the bolt and shiftable into another position where the retractor is ineffective to retract the bolt, a lug on said bolt, a lug on said retractor, a draft link having a socket for engagement either with the lug on the retractor or the lug on the latch bolt whereby when the link is connected to the bolt the draft link can retract the bolt without moving the retractor.

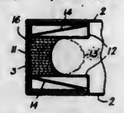
2,299,354
RAIL FASTENER
Lee Spencer, Flushing, N. Y.
Application December 17, 1941, Serial No. 423,379
8 Claims. (Cl. 238—343)

1. In a structure of the class described, a tie, a tie-plate on said tie, said tie-plate having a slot and being provided with parallel upstanding abutment shoulders, there being shoulders at one end of the slot and another shoulder at the intermediate portion of the slot, a portion of the latter shoulder spanning said slot, that portion of the slot between the respective shoulders having its longitudinal edges undercut to provide retention shoulders, and a detachable key member comprising a shank fitting in said slot, the longitudinal edges of the shank being shaped



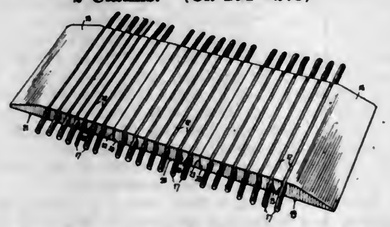
to coact with the retention shoulders, one end of the shank having an upstanding detent, the opposite end being formed with a hook, the hook embracing that portion of the abutment shoulder which spans the slot.

2,299,355
SHIPPING CONTAINER
George E. Stolpman, Lakewood, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application May 6, 1938, Serial No. 206,405
2 Claims. (Cl. 206—46)



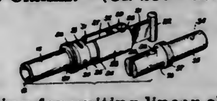
1. In a shipping carton for bicycles, the combination with a fibre board container comprising a top, bottom and opposed walls, of a fibre board insert at the bottom thereof having spaced hollow portions operative to engage the frame of a bicycle therebetween, fibre board inserts in the ends of said container having spaced hollow portions operative to engage the opposite side walls of the tires of a bicycle, fibre board inserts in the upper portion of said container having spaced hollow portions operative to engage the side walls of a bicycle, and a multiplicity of fibre board strips set on edge between said spaced hollow inserts at the bottom of said container operative to support the frame of a bicycle.

2,299,356
UTILITY CROSSOVER
Walter Thomas Strohm and Robert Stanislaus Comer, West Los Angeles, Calif., assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York
Application February 21, 1940, Serial No. 320,018
2 Claims. (Cl. 104—275)



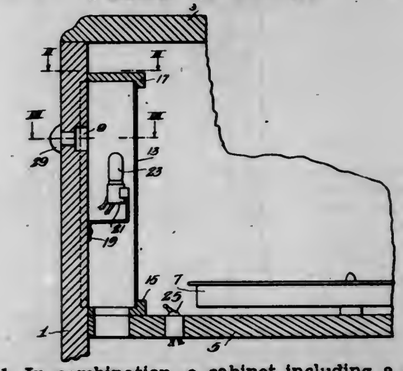
2. A cross-over pad of the character described comprising a pad of elastic material, one surface of which is formed into upstanding, substantially parallel T-shaped members, said T-shaped members being spaced to form comparatively narrow, substantially parallel slots in said surface.

2,299,357
COUPLING FOR RODS AND TUBES
Kenith G. Strunk, East Orange, and Ward D. Dayton, Bloomfield, N. J., assignors to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey
Application December 22, 1941, Serial No. 424,028
8 Claims. (Cl. 287—104)



6. A coupling for uniting linear elements comprising two plugs each fixed in its respective element, one of said plugs having in its extending portion a slot terminating in an interior enlargement, an extension on the other of said plugs enterable in the slot and its enlargement laterally from either side, and means to maintain said plugs in engagement when in axial alinement.

2,299,358
SOUND REPRODUCING APPARATUS
John B. Suomala, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1940, Serial No. 316,618
2 Claims. (Cl. 177—311)

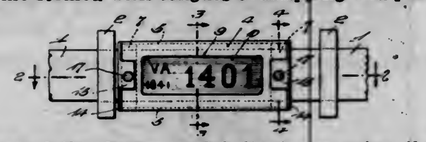


1. In combination, a cabinet including a plurality of walls and a cover movable to and from open and closed positions with respect to said walls, sound reproducing apparatus including a control device therefor all wholly enclosed within said cabinet and hence not visible from the exterior of the cabinet when said cover is in closed position, and a light source in said cabinet for illuminating at least a portion of the interior thereof to facilitate viewing the contents therein when said cover is in open position, said cabinet having an opening in one of the walls thereof and said light source being so located with respect to said opening that light rays emitted thereby are constantly visible through said opening from the exterior of said cabinet.

2,299,359
BUMPER AND LICENSE PLATEHOLDER
Arthur S. Thompson, Ontario, Calif.
Application May 26, 1941, Serial No. 395,271
7 Claims. (Cl. 40—125)

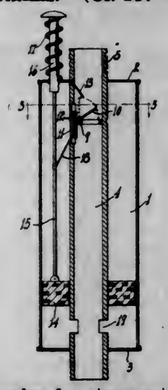
2. A license plate holder comprising a frame

formed with a display opening and having upper and lower flanges, a backing plate in said frame for holding a license plate in position for display through the sight opening, brackets for fitting against a bumper bar having arms overlapped by the flanges of the frame and abutting the backing plate, end plates for closing ends of the frame formed with tongues overlapping end por-



tions of the frame, and bolts for securing the brackets against a bumper bar and passing through alined openings in the backing plate and end portions of said frame and the tongues of the end plates to hold the backing plate and the frame and the end plates assembled with a license plate gripped and held in place between the backing plate and frame.

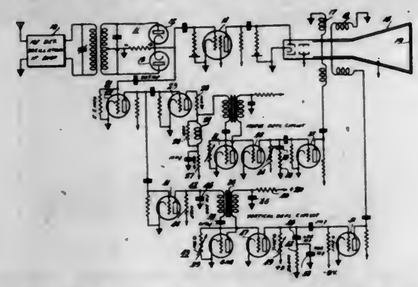
2,299,360
SHUTOFF VALVE FOR STORAGE TANKS
Alvin S. Tharp, Long Beach, Calif.
Application February 10, 1941, Serial No. 378,205
5 Claims. (Cl. 137—104)



5. A shutoff valve for storage tanks, comprising a housing, a pipe extending longitudinally through the housing, said pipe being open at both ends, a seat in the pipe, a valve mounted above the seat and cooperating therewith, a float in the housing, means extending on the outside of the pipe from the float and thence into the pipe to the valve whereby the valve is closed as the float rises in the housing, said pipe having openings communicating with the housing, a portion of said means extending out of the housing whereby the valve may be manually actuated.

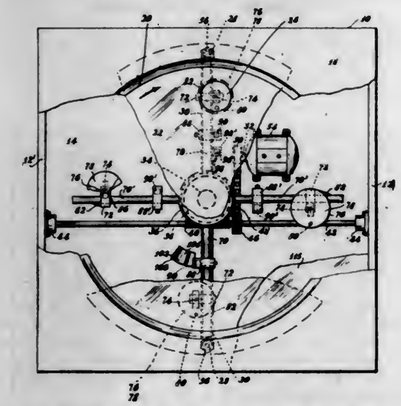
2,299,361
TELEVISION SYSTEM
William A. Tolson, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 29, 1939, Serial No. 311,653
11 Claims. (Cl. 178—7.5)

1. A television receiver for the reception of picture signals, horizontal synchronizing pulses occuring at the end of each scanning line, and vertical synchronizing pulses occurring at the end of each picture frame, said receiver comprising horizontal and vertical cathode ray deflecting circuits, said vertical deflecting circuit including only one oscillator, the said oscillator having a period of susceptibility which is shorter



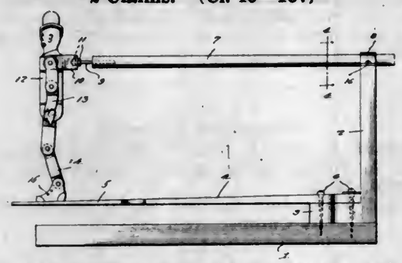
than the time between successive horizontal synchronizing pulses whereby cross-talk from the horizontal deflecting circuit to the vertical deflecting circuit is minimized.

2,299,362
ROTARY ADVERTISING MIRROR
Romeo Antonio Villani, San Isidro, Argentina
Application November 25, 1940, Serial No. 367,126
3 Claims. (Cl. 40—34)



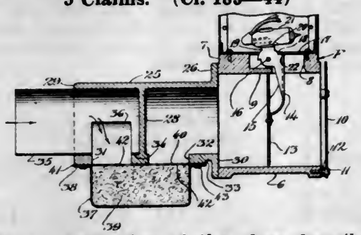
1. An advertising device comprising, a housing with a front wall having a central opening therein, a mirror rotatably mounted in said housing parallel to said front wall behind the said opening said mirror having at least one transparent area, a support rotatably mounted in said housing concentric with said mirror said support having a plurality of circumferentially spaced holding discs for advertising matter located behind said mirror and capable of registering with said transparent area to be visible through it, means for rotating said mirror, spring means coupling said mirror to said support, a plurality of clutch devices circumferentially disposed similarly to said discs between said mirror and support, and means in said housing for successively disengaging the clutch devices as the mirror rotates after a period of engagement in which the transparent area of the mirror traverses the distance between one holding disc and another, the spring coupling being arranged to rotate said support backwardly upon its disengagement from the mirror to bring another advertisement-bearing disc into register with said transparent area.

2,299,363
DANCING TOY
Joseph R. Vinci, Ansonia, Conn.
Application June 22, 1942, Serial No. 447,999
2 Claims. (Cl. 46—137)



1. A dancing toy comprising a base, a post rising from said base, said post including a forwardly projecting foot on its lower end portion resting on the base, an arm mounted on the foot, screws passing through the arm and foot for securing the post on the base and for securing said arm on said foot in elevated position above the base, a rod mounted horizontally on the post, a dancing figure mounted on said rod, and a vibrating platform on the arm beneath the figure and operatively engageable therewith for actuating same.

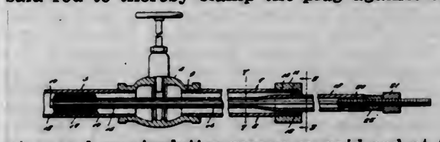
2,299,364
FILTER
Walter J. Uhlhorn, Oak Park, Ill.
Application August 12, 1940, Serial No. 352,313
5 Claims. (Cl. 183—44)



1. In an apparatus of the class described, a casing including inlet and outlet portions, means in said casing for preventing the direct flow of fluid through said casing from the inlet to the outlet portion thereof, said casing having openings therein on opposite sides of said means, and a housing on said casing and enclosing said openings and establishing fluid communication therebetween, said housing having means therein bridging the distance between said openings and covering the same for collecting foreign matter in fluid flowing through the housing and for preventing further passage of such matter from one opening to the other, and means detachably securing the housing to the casing whereby removal of the former will destroy the fluid communication between the openings.

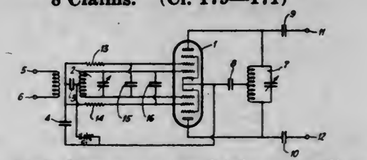
2,299,365
METER CHANGING WATER CUTOFF
Samuel Valuch, Cudahy, Wis.
Application May 28, 1941, Serial No. 395,662
1 Claim. (Cl. 29—84)

Apparatus for stopping a pipe line extending from one side of a valve comprising a threaded barrel for attachment at one end to the other side of the valve and having a packing gland on the other end thereof, a tube for insertion through said gland, barrel and valve to position one end thereof in said line and having an enlarged disk-like head on said end, an endwise adjustable rod extending through said tube and slidable in said head, said rod having a cap plate fast thereon, an expansible resilient plug interposed on said rod between said head and plate for compression between the head and plate under adjustment of said rod to thereby clamp the plug against said



pipe, and manipulative means on said rod at the other end thereof for adjusting said rod, said tube having a reduced front end portion for insertion through said gland with a clearance to facilitate positioning the front end thereof together with said plug in the line, a larger rear end portion for fitting in said gland to form therewith a seal, and a rearwardly flared portion intermediate said reduced and larger portions for facilitating insertion of the larger portion through the gland.

2,299,366
HIGH-FREQUENCY AMPLIFYING CIRCUITS
Aldert van der Ziel and Maximiliaan Julius Otto Strutt, Eindhoven, Netherlands
Application May 23, 1941, Serial No. 394,766
In the Netherlands June 22, 1940
8 Claims. (Cl. 179—171)

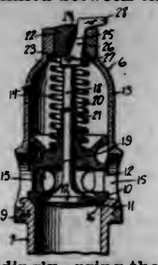


1. A high-frequency amplifying circuit comprising two push-pull connected similar electrode systems each having a cathode, a signal control grid and at least two cold electrodes, the cathodes of the two systems having a direct connection between them, means for applying a variable negative bias potential to the signal control grids for varying the amplification of the circuit, a pair of resistances, unbypassed for high frequencies, included in the alternating current paths of at least two of the corresponding cold electrode circuits, one end of each resistance being connected for high frequencies to the cathodes, and a pair of capacities each connected between the other end of one of said resistances and the control grid of the electrode system other than the one including the cold electrode to which said one resistance is connected, said resistances and capacities being so proportioned as to substantially compensate for the variation of the input-capacity of the circuit which occurs during amplification control.

2,299,367
SAFETY VALVE
Arthur B. Webb, Milwaukee, Wis., assignor to Cream City Boiler Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 3, 1940, Serial No. 350,301
1 Claim. (Cl. 277—45)

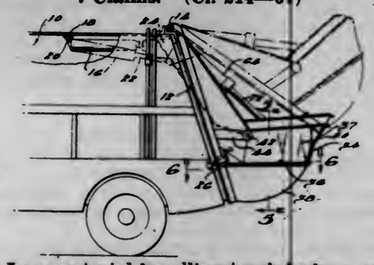
A safety valve of the character described comprising: an externally threaded nipple; a valve seat on the inner periphery of the nipple; an open-ended bonnet having one end threaded onto

said nipple and having a port therein; a valve unit movable in the bonnet from a closed position seated on said valve seat to an open position uncovering said port upon motion of the valve unit toward the other end of the bonnet, said valve unit being readily removable from the bonnet upon detachment of the bonnet from the nipple by passing through the open threaded end of the bonnet, and said valve unit having a passage therethrough provided with a valve seat; a plug slidably fitting in the opening at the other end of the bonnet to close the same; means on the plug engaging the inner wall of the bonnet for preventing passage of the plug outwardly through said opening at the other end of the bonnet, said means readily permitting disassembly of the plug through the open-threaded end of the bonnet; a valve spring confined between the valve unit and



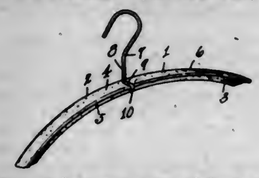
the plug for yieldingly urging the valve unit to its closed position and for holding the plug in operative position closing the opening at said other end of the bonnet; a valve member arranged to engage the valve seat of the valve unit for closing the passageway therethrough; a stem on said valve member having its free end engageable with the plug during movement of the valve unit off its seat to thereby effect opening of the valve member and uncovering of said passageway; and manually operable latch means slidably received in a slot in the plug extending substantially axially therethrough, said latch means including a handle exposed on the exterior of the bonnet, and a part extending into the slot of the plug and adapted to be moved to a position interposed between the plug and the adjacent end of the valve member stem to hold the valve member in open position.

2,299,368
LOAD PACKER CONSTRUCTION
George B. Wood, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application June 19, 1941, Serial No. 398,832
7 Claims. (Cl. 214—67)



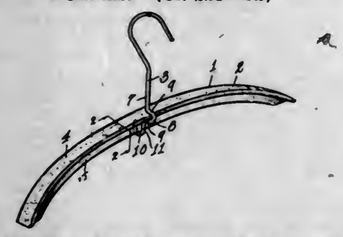
1. In a material handling truck body, a receptacle, means providing an inlet passage communicating with said receptacle through one wall thereof, a material receiver disposed adjacent said passage and communicable therewith, and a movable packer element disposed within said passage, said element having a side wall adjacent said receiver which slopes downwardly and outwardly toward said receiver so that material deposited within the said receiver lies against said side wall when said element is in one position and drops in front of said element when said element is in another position.

2,299,369
GARMENT HANGER
Leonard A. Young, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich.
Application July 28, 1941, Serial No. 404,351
10 Claims. (Cl. 223—92)



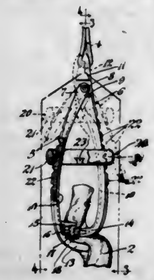
1. A garment hanger comprising a yoke fabricated of multi-ply paper stock folded upon itself, compressed, adhesively united, and conformed to a T-shaped outline providing a horizontal top garment supporting flange of substantial width, and a thick, vertical, reinforcing web depending centrally from said flange, said flange laterally overhanging the sides of said web, and a hook conformed adjacent its lower extremity to provide a laterally opening bight grippingly engageable with said flange, said hook having a penetrating member projecting through said web adjacent the flange and in displacement resisting engagement with the latter.

2,299,370
GARMENT HANGER
Leonard A. Young, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich.
Application July 28, 1941, Serial No. 404,352
9 Claims. (Cl. 223—92)



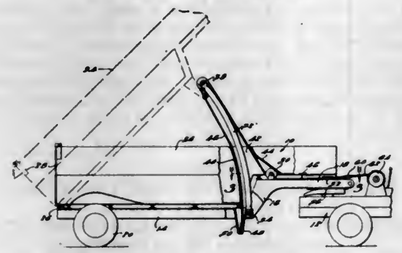
1. A garment hanger comprising a garment supporting yoke fabricated of multi-ply paper stock folded a plurality of times upon itself and conformed to a T-shaped section providing a top garment supporting flange of substantial width and area and a bottom reinforcing web of substantial thickness depending centrally from said flange, and a wire hook having a laterally extending bight adjacent its lower end grippingly engaged with the top and bottom sides of said flange, one arm of said bight being offset downwardly and terminating in a further upwardly opening bight grippingly engaged with either side of said web whereby said hook and yoke are maintained from relative displacement.

2,299,371
BLANKET FASTENER
Paul E. Allen, Niles Center, Ill., assignor to Richard G. Krueger, New York, N. Y.
Application April 15, 1940, Serial No. 329,651
1 Claim. (Cl. 24—251)



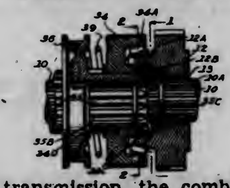
A blanket fastener for a baby's bed or crib, comprising a pair of bowed gripping members pivotally secured together and each provided at its extremity with an inturned clamping jaw projecting inwardly in overlapping, spaced relation and cooperating projections associated with each clamping jaw for gripping and holding the edge of a blanket therebetween, an adjustable locking member encompassing and slidably mounted on said gripping members, interlocking projections on the abutting surfaces of said locking member and gripping members for locking the latter in gripping relation in such manner as to hold the blanket against accidental displacement or removal, and inwardly extending projections on said locking member for limiting adjustment of said member upon the gripping members and preventing removal of said first mentioned member.

2,299,372
CABLE CONTROLLED DUMP BODY FOR SEMITRAILERS
Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc.
Application January 9, 1941, Serial No. 373,762
3 Claims. (Cl. 298—19)



1. A tractor having a winch mounted thereon, a semi-trailer dump vehicle adapted to be releasably and pivotally connected to said tractor comprising a chassis frame, a dump body, means pivotally mounting said body on said frame, an upstanding strut mounted on said chassis and extending above said body, a cable guide mounted on the upper end of said strut, a hoisting cable having one end connected to said body, said cable being trained about said guide, cable guide means through which said cable passes disposed on said chassis substantially vertically aligned with the pivot axis of said semi-trailer with respect to said tractor, whereby said tractor may assume any angular position with respect to said semi-trailer without interfering with the dumping operation of the cable, and a releasable coupling interposed in said cable between said cable guide means and said winch, and means to prevent said cable from completely passing through said cable guide means when the releasable coupling is uncoupled.

2,299,373
TRANSMISSION
Carl N. Bergstrom, Portland, Oreg.
Application September 23, 1939, Serial No. 296,192
3 Claims. (Cl. 192—53)



1. In a transmission, the combination of an external gear having a conical hub formed thereon and having an internal gear formed within said hub, a slidable sleeve having an external spline formed thereon concentric with and adapted to mesh with said internal gear, a cup slidably mounted on said slidable sleeve, a spring for urging said slidable sleeve and said cup in opposite directions, means for positively sliding said sleeve, said cup having a recess formed therein in the form of a tapering polygon, a plurality of rollers disposed between said conical hub and the interior of said internal recess, a retainer for holding said rollers in spaced relationship, and springs for urging said rollers toward positions of maximum clearance.

2,299,374
METHOD OF MOLDING NONPLASTIC MATERIALS
Fred A. Bickford, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application April 9, 1941, Serial No. 387,773
4 Claims. (Cl. 25—156)

1. The method of slip casting non-plastic ceramic materials which includes wet milling the material until at least 95% of it will pass through a screen having 325 meshes per inch, drying the resultant slip to a coherent chalky mass, repowdering the mass to a uniform texture free from lumps, forming a slip of the dried and repowdered material with water, introducing the slip into a mold and extracting the water from the slip.

2,299,375
FISHING TACKLE BOX
Walter J. Bruske, Fall Creek, Wis.
Application August 26, 1941, Serial No. 408,382
2 Claims. (Cl. 43—31)

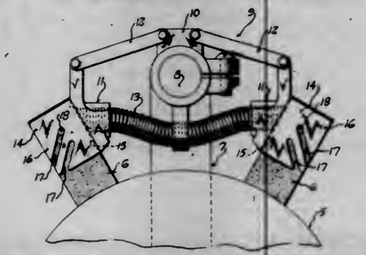
1. A fishing tackle box of the character described comprising a box, a cover hingedly mounted on said box, a shelf pivotally mounted in said cover and adapted to be swung outwardly therefrom to operative position when said cover is in open position, and a latch on the shelf engageable with the cover for releasably securing said shelf in inoperative position in the cover, said latch including a substantially U-shaped bolt straddling the shelf and slidable thereon, and a coil spring connected to the shelf and to the bolt

for projecting said bolt, the shelf and the bolt having communicating openings therein for the



reception of a finger for retracting the bolt and for lifting the shelf to operative position.

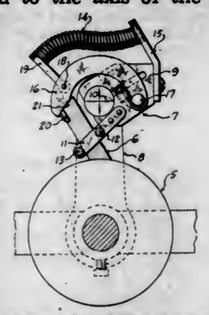
2,299,376
BRUSH HOLDER FOR DYNAMOELECTRIC MACHINES
Alfred E. Buerosse, Wauwatosa, Wis., assignor of two-thirds to George J. Buerosse, Beaver Dam, Wis.
Application June 25, 1941, Serial No. 399,584
7 Claims. (Cl. 171—324)



1. In a brush holder of the character described having a stationary head and a movable head biased to an operative position: a brush receptacle carried by the movable head and comprising two opposite side walls provided with opposed diagonal slots; a brush in said receptacle; and projections on the opposite faces of the brush engaged in said slots, the angle of said slots being such that the thrust imposed on the projections by the edges of the slots firmly lodges the brush in the receptacle.

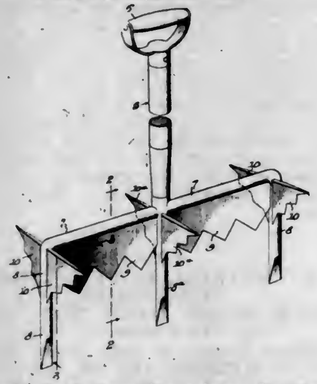
2,299,377
BRUSH HOLDER FOR DYNAMOELECTRIC MACHINES
Alfred E. Buerosse, Wauwatosa, Wis., assignor of two-thirds to George J. Buerosse, Beaver Dam, Wis.
Application June 25, 1941, Serial No. 399,585
10 Claims. (Cl. 171—324)

1. A brush structure for dynamoelectric machines comprising: a brush having at least two opposite parallel surfaces; a stationary guideway along which the brush is slidable, said guideway having spaced parts provided with curved surfaces engageable with said opposite surfaces of the brush but spaced apart a distance greater than the thickness of the brush so that the brush is freely movable between said parts when in a position substantially normal to a plane passing through said spaced parts; a spring for feeding the brush along the guideway; and means receiving the force of the spring and applying the same to the brush, the connection between said means and the brush comprising at least one surface inclined to the axis of the brush so that



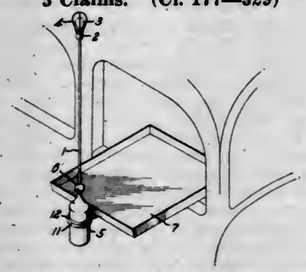
the force of the spring tilts the brush about said curved surfaces to wedge the same between said spaced parts.

2,299,378
LAWN INCISION METHOD
John D. Cain, Denver, Colo.
Application August 9, 1940, Serial No. 352,029
4 Claims. (Cl. 47—58)



1. A method of preparing a lawn for reception of water, comprising the steps of forming spaced relatively deep water-receiving holes in the earth of the lawn, and connecting the upper ends of said relatively deep holes by cutting relatively shallow water-collecting and conducting channels or tributaries in said earth of the lawn.

2,299,379
SIGNAL DEVICE FOR SERVING TRAYS
Edward K. Cargill, Macon, Ga.
Application September 12, 1941, Serial No. 410,643
5 Claims. (Cl. 177—329)



1. In a signal device for service trays custom-

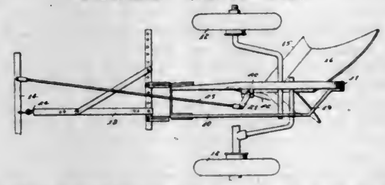
arily supported upon the sides of automobile bodies, a standard carrying light signal means, the tray being provided with a member shaped to provide a tray handle and furnishing socket means acting as a support for detachably mounting said standard.

2,299,380
PIG RINGS OR THE LIKE
Ernest Chalmer and Hubert Taylor, Surbiton, England
Application May 12, 1941, Serial No. 393,106
In Great Britain May 21, 1940
9 Claims. (Cl. 119—135)



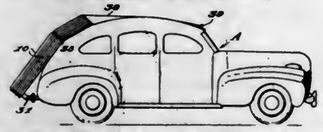
1. A pig-ring comprising a body portion, a pair of prongs extending from the upper end of said body portion, a pair of prongs extending from the lower end of said body portion, the prongs in the respective pairs being in vertical alignment with one another and shaped so as to form with said body portion two laterally spaced C-shaped clips adapted to be closed through the snout of an animal, and a plate-like projection extending outwardly in a vertical plane between said clips.

2,299,381
PLOW FOR TRASH COVERING
Edgar V. Collins, Ames, Iowa, assignor to Iowa State College Research Foundation, Ames, Iowa, a corporation of Iowa
Application July 29, 1940, Serial No. 348,166
4 Claims. (Cl. 97—100)



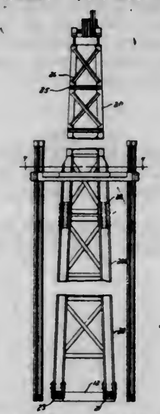
1. The combination of a plow, a tongue connected to the plow, an equalizing bar connected to the tongue, a dish-shaped disc pivotally supported above the plow point, a laterally extended arm connected with the disc and a rod connected to said arm and to said equalizing bar, and a spring for forcing the tongue forwardly relative to the equalizing bar.

2,299,382
AUTOMOBILE TENT
Luther P. Creasy, Catawissa, Pa.
Application March 14, 1941, Serial No. 383,424
9 Claims. (Cl. 135—1)



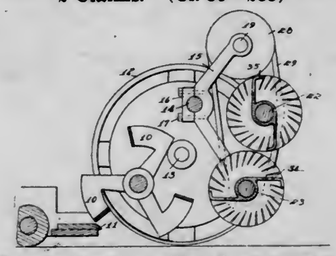
1. A collapsible auto tent comprising a plurality of parallel vertically disposed open frame members, a flexible covering secured to said frame members interiorly thereof, means for holding said frame members in uniform spaced relation with said covering taut while permitting collapsing of the frame members into side edge contact, foldable legs secured to the frame members, and a floor formed of pivotally connected panels capable of folding within the opposed side edges of the frame members when the latter are collapsed into side edge contact.

2,299,383
PORTABLE DERRICK
Ronald Hermon Crow, Shreveport, La., assignor to The J. B. Beaird Corporation, Shreveport, La., a corporation of Louisiana
Application November 20, 1939, Serial No. 305,265
4 Claims. (Cl. 189—16)



1. A derrick including, a base member, a mast vertically supported upon said base member, and a pipe racking member mounted on one side of said mast, said side of said mast being free of cross bracing up to the level of said racking member said pipe racking member being rectangular in shape and having its longitudinal axis extending transversely of the mast and projecting beyond the margins of the mast, said member being formed with closed sides whereby pipe may be moved from the interior of the mast into the member and is prevented from moving away from the mast by the closed sides of the member.

2,299,384
LAWN MOWER ATTACHMENT
Clarence H. Day, Kellogg, Iowa
Application February 17, 1941, Serial No. 379,216
2 Claims. (Cl. 56—238)



1. The combination with a lawn mower having coacting grass-cutting blades, of means for engaging tall weeds and grasses in advance of the grass-cutting blades and bending them laterally and downwardly and holding them in position to enter between said grass-cutting blades, said means comprising a horizontally arranged rotat-

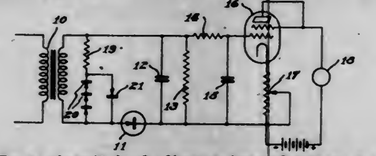
able shaft carried by the mower above and in advance of the grass-cutting blades, a spirally arranged flange fixed to said shaft and having a series of inclined surfaces so shaped that when in position for engaging weeds, the inclined surface will tend to move the weeds thus engaged laterally, said flange also having a series of substantially flat surfaced shoulders adjacent said inclined surfaces, so shaped that when in weed-engaging positions they will hold the weeds being bent laterally from springing back over said inclined surfaces in the direction opposite from which they are being inclined by the said inclined surfaces, said tall weed and grass-holding device being so positioned relative to the grass-cutting blades that tall weeds and grass thus moved and held will be presented to the grass-cutting blades in proper positions to be severed thereby, and means operated by the mower for rotating said shaft.

2,299,385

GROUND NOISE REDUCTION AMPLIFIER

Robert J. Ehret, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 18, 1940, Serial No. 370,604
6 Claims. (Cl. 179—100.3)



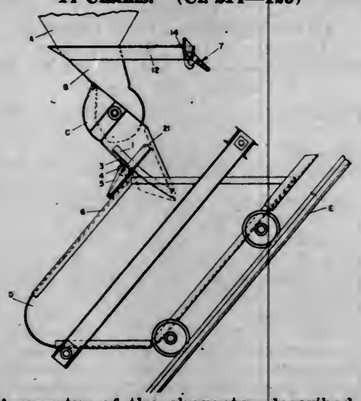
1. In a circuit including a transformer, a rectifier and a timing circuit connected to said transformer through said rectifier, the combination of a pair of reversely asymmetrically conducting paths and a resistor connected directly across the terminals of the secondary of said transformer through said paths.

2,299,386

SKIP LOADING MECHANISM

Mahlon E. First, Cleveland, Ohio, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio, a corporation of Ohio

Application July 31, 1940, Serial No. 348,762
14 Claims. (Cl. 214—125)



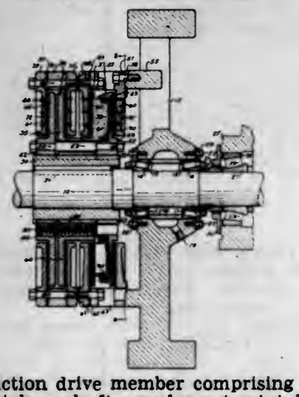
1. Apparatus of the character described comprising, in combination, a gate closure member mounted for movement between open and closed positions and having a bias toward its open position, a detent movable between locking and unlocking positions and having a bias toward its unlocking position, a skip movable on fixed guides, an element mounted on said skip operative responsive to upward movement of said skip to engage said gate when in open position and to lift it to closed position, and a locking part mounted on said gate adapted to interlockably engage with said detent when said detent is in locking position and said gate is in closed position to hold said detent and gate in such positions against their respective biases.

2,299,387

FRICTION DRIVE MECHANISM

Alvin F. Groll, Toledo, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware

Application August 1, 1940, Serial No. 349,198
13 Claims. (Cl. 192—18)



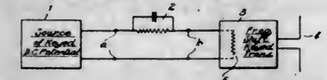
1. A friction drive member comprising a brake and a clutch, a shaft, an element rotatable with said shaft, a plurality of friction surfaces comprising the clutch and a plurality of friction surfaces comprising the brake, said clutch and brake surfaces being mounted for alternate engagement, a pair of members slidably carried by said rotatable element and movable relative to each other, flanges carried by each member with a flange of each member in cooperating position with said clutch surfaces and a second flange in cooperating position with said brake surfaces, piston and cylinder means to shift said members and engage said clutch.

2,299,388

RADIO COMMUNICATION SYSTEM

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application November 23, 1940, Serial No. 366,860
9 Claims. (Cl. 250—8)



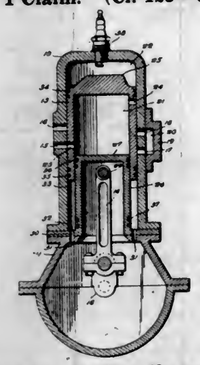
1. The method of reducing the effects in a receiver of multiple signalling paths in radio telegraph communication, which comprises alternately shifting the signalling frequency at the transmitting station between two frequencies and introducing a transient overswing in the frequency shift toward and through both of said two signalling frequencies, which overswing is a substantial percentage of the difference between said two frequencies.

2,299,389

INTERNAL COMBUSTION ENGINE OF THE TWO-CYCLE TYPE

Henry F. Hellman, Cleveland, Ohio

Application May 22, 1941, Serial No. 394,581
1 Claim. (Cl. 123—74)



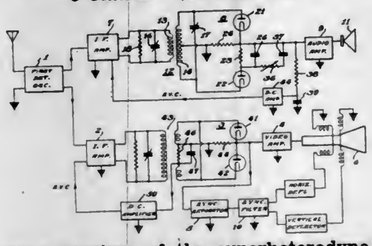
In an explosion engine, the combination of a flanged cylinder block having intake and exhaust ports therein, a reciprocating piston of the deflector-head type having ports cooperating therewith to control communication with the cylinder block, a crank case, a flanged fixed cylindrical member having a closed upper end, the flange of the fixed cylindrical member being mounted on the crank case and interposed between the flange on the cylinder block and the crank case and fixed against longitudinal movement thereby, the outer wall of the fixed cylindrical member being arranged in working fit with the inner wall of the reciprocating piston and forming a gas tight sliding contact with the inner wall of the reciprocating piston, and further being supplied with lubricating holes affording communication between the annular space which surrounds the fixed cylinder member on the up stroke of the reciprocating piston and whereby lubrication of the inner wall of the cylinder block and the outer wall of the fixed cylinder member is facilitated by the reciprocation of the piston.

2,299,390

NOISE SUPPRESSOR

Ralph S. Holmes, Haddonfield, and Ciro C. Martinelli, Oaklyn, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application October 12, 1939, Serial No. 299,064
5 Claims. (Cl. 178—5.8)



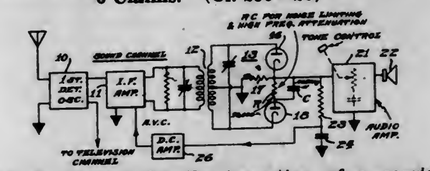
1. In a receiver of the superheterodyne type for the reception of a carrier wave modulated by a sound signal, means for converting said modulated carrier wave to a modulated intermediate frequency carrier wave, a wide band intermediate frequency amplifier for amplifying said intermediate frequency carrier wave, said amplifier having a pass band several times the width of the frequency band occupied by said sound signal, noise suppressor means for clipping off and dissipating substantially all noise-signal energy which exceeds in amplitude the amplitude of a biasing or limiting voltage which varies in amplitude in accordance with the envelope of said modulated intermediate frequency carrier wave, said noise suppressor means comprising a diode having a network in series therewith across which said limiting voltage appears, said network comprising a resistor having a capacitor connected thereacross and having a time constant such that said limiting voltage may vary at approximately the same rate as the highest frequency component in the said band of frequencies to be pasesd, a reproducing device, and an audio amplifier through which the resulting substantially noise-free signal is supplied to said reproducing device.

2,299,391

RADIO RECEIVER

Ralph S. Holmes, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 27, 1941, Serial No. 395,346
6 Claims. (Cl. 250—20)



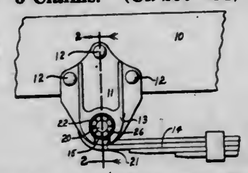
1. A receiver for the reception of a carrier wave modulated by a signal which has been pre-emphasized at a transmitter in accordance with a rising frequency-impedance characteristic which is substantially the same as that of an inductance coil and a resistor in series, said receiver including a noise suppressor circuit in which the limiting noise level is determined by a network including a condenser and a resistor in parallel, the capacity and resistance values of said condenser and said last resistor being such that the said noise suppressor circuit has a falling frequency-impedance characteristic which is substantially complementary to said frequency-impedance characteristic utilized at the transmitter for pre-emphasis.

2,299,392

SPRING SHACKLE CONSTRUCTION

Frank Johnson, Detroit, and Dale Roeder, Wayne, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application November 18, 1940, Serial No. 366,070
8 Claims. (Cl. 267—54)



1. A shackle comprising, a pair of laterally spaced arms, said arms having a pair of aligned slots therein extending inwardly from their outer ends, a shackle bolt rotatably mounted in the member being shackled with the ends of said bolt projecting from each side of said member, said

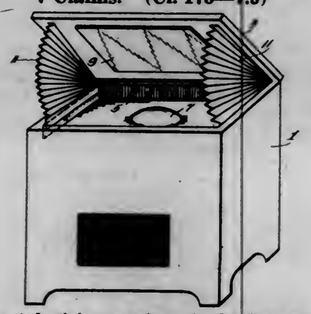
bolt having the portions thereof on the respective sides of said member flattened so that said flattened portions may be readily inserted into said slots and will be held against rotation therein by said flattened portions, each of said arms having a counterbore in its outer face in position axially aligned with said bolt when in said slots, washers disposed around said bolt in said counterbores, and means for preventing the removal of said washers from said counterbores, for the purpose described.

2,299,393

TELEVISION RECEIVER CABINET

Henry W. Johnson, Bloomfield, N. J., and Samuel B. Smith, White Plains, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Application October 31, 1940, Serial No. 363,728
7 Claims. (Cl. 178—7.5)



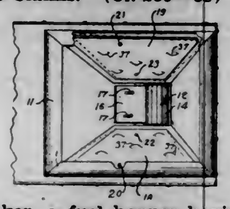
1. In a television system including a cabinet having in one member thereof an image producing area, the combination of a lid hinged at one of its edges to said member, a view reflecting surface supported by the lid and facing the image producing area, light shields secured near the edges of said lid adjacent to said hinged edge and extending in a plane perpendicular to and between said lid and said member including said image producing area, and means operative from the outside of said cabinet to disengage said light shields from said lid when said lid is in a closed position.

2,299,394

COKE STOKER FEED

William C. Jolly, Indianapolis, Ind.

Application March 18, 1940, Serial No. 324,489
3 Claims. (Cl. 259—39)



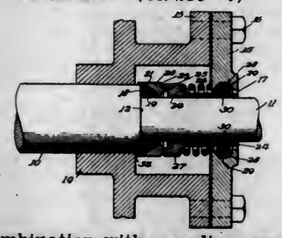
1. In a stoker, a fuel hopper having opposite sides inclined inwardly and downwardly toward a discharge opening, a fuel supporting plate on the inner face of each of said sides and substantially co-extensive and in contact therewith and eccentrically pivoted thereto, and means externally of the hopper connecting through the hopper sides with the plates for rocking the plates on their pivots over their respective hopper sides in parallelism therewith.

2,299,395

SHAFT SEAL

Arvid E. Karlberg, Chicago, Ill., assignor to Chicago Seal Company, Chicago, Ill., a corporation of Illinois

Application October 18, 1941, Serial No. 415,592
4 Claims. (Cl. 286—7)



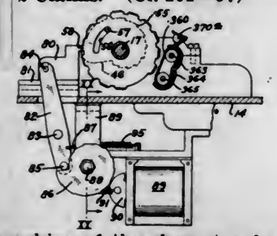
1. In combination with a sealing organization, a casing embodying a chamber and a wall forming a closure for the chamber, the faces of said wall being substantially parallel throughout substantially their areas, there being an opening in said wall in alinement with said chamber, a shaft passing through said opening and of a diameter considerably less than the diameter of said opening, a non-rotatable sleeve of substantial length encompassing the shaft, one end of the sleeve extending into and adapted to pass through said opening, there being an annular recess in the wall of said opening, disposed entirely within the confines of the said faces of said wall, a resilient element seated in said recess and itself being disposed and maintained, at all times, within the planes of the faces of said wall, and outside of said chamber, said resilient element being compressed and also maintained under pressure solely by and between the bottom of said recess and said sleeve, a resilient sealing element spaced from the wall of the casing and abutting a shoulder on said shaft, a bearing element abutting the last said resilient element, and with which bearing element one end of the sleeve has running engagement, and resilient means interposed between said wall and a shoulder on said sleeve for maintaining the said end of the sleeve in contact with said bearing element.

2,299,396

TICKET PRINTING AND ISSUING MACHINE

Thomas A. Keen, San Mateo, and James Kilburg, Redwood City, Calif., assignors, by direct and mesne assignments, of one-half to Thomas A. Keen, and one-half to Hannah M. Smith, Chicago, Ill.

Application August 7, 1939, Serial No. 288,840
2 Claims. (Cl. 101—97)



1. In a machine of the character described, a printing head comprising a rotatable type member with peripherally spaced type characters thereon, a stop member associated with the type member to effect selection of type thereon for printing, and a pin and slot connection between said type member and stop member whereby

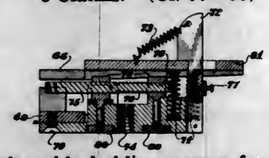
movement of the type member will continue beyond that of the stop member to insure contact of all of its type characters with an inking device, said continued movement of the type member being effective to bring the selected type thereon to printing position.

2,299,397

HOLDING DEVICE

Charles Kralicek and Frank J. Andel, Cleveland, Ohio

Original application March 18, 1941, Serial No. 383,988. Divided and this application November 14, 1941, Serial No. 419,612
3 Claims. (Cl. 77—63)



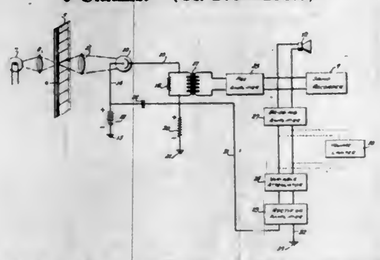
1. A releasable holding means for holding an object comprising, in combination, two pivotally connected jaw members for holding the object, latch means for holding the jaw members apart, trip means engageable by the object upon the insertion thereof between the jaw members for releasing the latch means, and spring means for urging the jaw members together for holding the object therebetween.

2,299,398

NOISELESS SOUND REPRODUCING SYSTEM

Barton Kreuzer, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application April 30, 1941, Serial No. 391,050
9 Claims. (Cl. 179—100.3)



1. A sound reproducing system comprising means for obtaining light variations corresponding to sound waves, means for translating said light variations into corresponding electrical currents, means for amplifying said currents, means for translating said amplified currents into sound waves, and means for controlling the efficiency of translation of said light variations into electrical currents by said electrical currents whereby light variations below a predetermined level are substantially eliminated from said current-to-sound translating means.

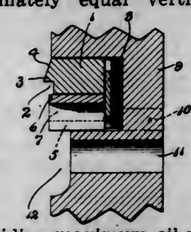
2,299,399

PISTON RING

Paul S. Lane, Muskegon, Mich., assignor to Muskegon Piston Ring Company, Muskegon, Mich., a corporation of Michigan

Application September 15, 1941, Serial No. 410,819
2 Claims. (Cl. 309—45)

1. A construction of the class described comprising, a parted expansible piston ring of substantially circular form and a parted filler of substantially circular form located below the piston ring, said filler being of thin ribbon-like material and having alternate upper and lower horizontal sections integrally connected at their ends providing radial oil passages through the filler between it and the lower side of the ring and between it and the lower side of the piston ring groove in which installed, said filler and ring having approximately equal vertical dimensions



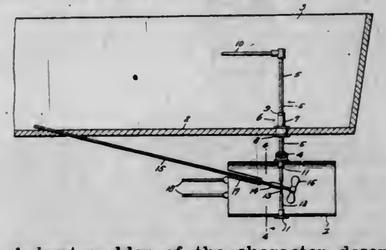
thereby providing maximum oil passage through the filler, and said piston ring at its cylinder bearing face having a continuous groove at its lower outer corner above which is an annular projecting rib, the under side of which is in a plane substantially parallel to the flat sides of the ring and the outer side of which extends downwardly and outwardly to meet said under side at a point, and said filler at its outer curved portion extending beyond the lower side of the ring but not as far as said outer pointed portion of said annular rib.

2,299,400

BOAT RUDDER

Grover J. Marler, Spottsville, Ky.

Application March 27, 1942, Serial No. 436,525
3 Claims. (Cl. 114—166)



1. A boat rudder of the character described comprising a vertical post extending rotatably through the bottom of a boat, a horizontal tube of substantially square cross-section fixed on the lower end of said post, a vertical shaft journaled in the tube at an intermediate point, and a bearing on said shaft at an intermediate point for rotatably supporting a propeller shaft.

2,299,401

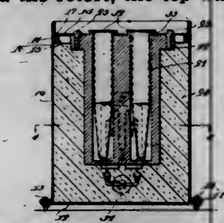
ELECTRICAL OIL HEATING DEVICE

William L. Melton, Selman City, Tex.

Application March 26, 1941, Serial No. 385,375
1 Claim. (Cl. 219—19)

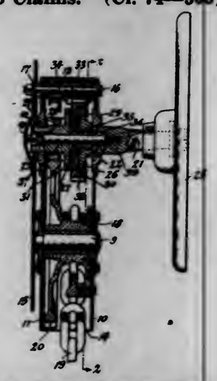
An oil tester of the character described, comprising a retort body of substantial thickness of metal of a high co-efficient of heat conduction, said retort having two vertical wells therein open at its upper end for reception of respective open tubes of oil, an electrical heating unit in one side of the retort of a width extending over a major portion of the wells, means for forming

connections between said heating unit and an electrical source, an enclosing case for said retort, an insulating material between the walls of the case and the retort, the top wall of the case



extending closely over the retort and having openings aligned with the wells of the retort, and suspension connections between said top wall and retort, for the purposes described.

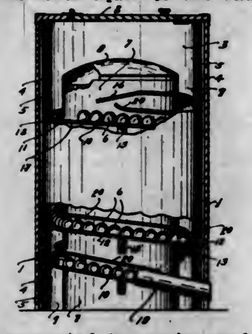
2,299,402
HAND BRAKE MECHANISM
Everard C. Mersereau, Great Kills, N. Y., assignor to National Brake Company, Inc., New York, N. Y., a corporation of New York
Application July 25, 1941, Serial No. 404,019
5 Claims. (Cl. 74—505)



1. A hand brake mechanism for cars including two operating shaft sections, a hand operated member connected with one of said sections, means for transmitting motion from the other section to the parts to be actuated, a clutch for coupling and uncoupling said shaft sections including a one-way ratchet device, helical means for causing relative longitudinal movement of said shaft sections upon rotating one of said sections, and means for limiting the separation of said shaft sections including a coupling rod axially in said shaft sections, provided at one end with an externally screw threaded shank engaging with an internally screw threaded socket on one of said shaft sections and provided at its opposite end with a head which is arranged in a socket on the other shaft section and forms a stop shoulder adapted to engage with a stop shoulder formed by the bottom of said socket.

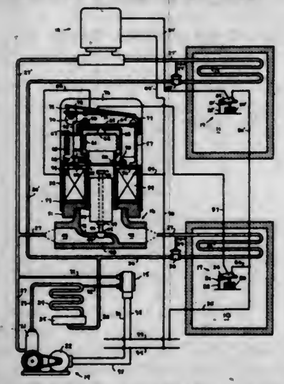
2,299,403
GOLF BALL HOPPER AND DISPENSING DEVICE
Joe Mozel, Portland, Oreg.
Application December 18, 1940, Serial No. 370,727
6 Claims. (Cl. 312—49)

1. A golf ball dispensing device including a cylindrical container, a drum within and spaced from the container and a spiral track secured to the external surface of the drum, said track including parallel supporting rods spaced apart a distance at least equal to the radius of the



ball to be supported to receive and support a rolling golf ball, and a retaining rod arranged above and substantially centrally of the spaced rods to prevent undue vertical separation of the golf ball from the spaced rods, the retaining rod being disposed above the ball supported on the supporting rods a distance substantially equal to the radius of the supported ball.

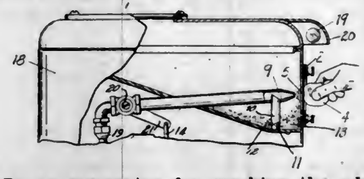
2,299,404
AUTOMATICALLY OPERATED VALVE
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 28, 1939, Serial No. 301,858
14 Claims. (Cl. 137—139)



14. In combination, a valve for controlling the flow of a fluid and including a valve seat and a movable valve element cooperating therewith, an armature for moving the valve element, a sleeve within which said armature moves, the interior of said sleeve being in communication with the fluid on the upstream side of the valve, an electrical operating coil exterior of the sleeve for energizing a magnetic circuit upon energization thereof for moving the armature, a switch, a second armature included in said magnetic circuit for closing the switch when the electrical operating coil is energized, a movable wall for sealing the sleeve to prevent the escape of fluid therefrom and movable in accordance with the pressure of the fluid on the upstream side of the valve, a pair of switches operated by said movable wall and sequentially closed upon a pressure increase and sequentially opened upon a pressure

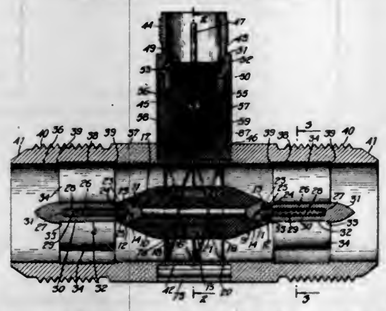
between the remotely located switch, the second decrease, a remotely located switch, connections to close of the sequentially operated switches and the electrical operating coil for energizing the latter when the pressure increases to a predetermined high value, and connections between the remotely located switch, the first to close of the sequentially operated switches, the switch operated by the second armature and the electrical operating coil to maintain the latter energized until either the pressure decreases to a predetermined low value or the remotely located switch is opened.

2,299,405
METHOD AND APPARATUS FOR MARKING EDGES OF RIMLESS EYEGLASS LENSES
Horace L. Prange, Kalamazoo, Mich.
Application September 2, 1941, Serial No. 409,258
4 Claims. (Cl. 41—1)



1. In an apparatus for marking the edges of rimless eyeglass lenses, the combination of a shield having a face adapted to receive and abut the edge of a rimless eyeglass lens, an aperture of ornamental shape through said shield and opening to said face and of a width less than the thickness of the edge of a rimless eyeglass lens to be treated on said apparatus and adapted to be closed by such an edge, an adjustable stop adjacent said aperture at the face of said shield adapted to engage the side of a rimless eyeglass lens, means for creating a blast of finely divided abrasive positioned to direct such blast at the back of said shield and through said aperture, means accessible to an operator at the face of said shield to control said means for creating a blast, and a casing extending from the edges of said shield and enclosing said means for creating a blast.

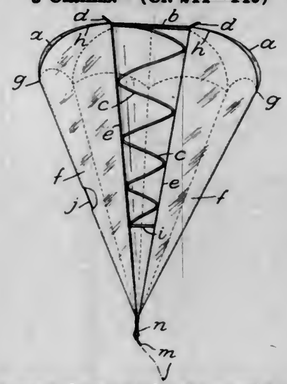
2,299,406
FLOWMETER
David M. Potter, Plainfield, N. J., assignor to Breeze Corporations, Inc., Newark, N. J.
Application May 8, 1941, Serial No. 392,423
13 Claims. (Cl. 73—231)



1. In apparatus of the electric current generating type wherein the generated current is employed to measure the rate of flow of fluid through a conduit having a fluid actuated rotor therein, the combination with the conduit and

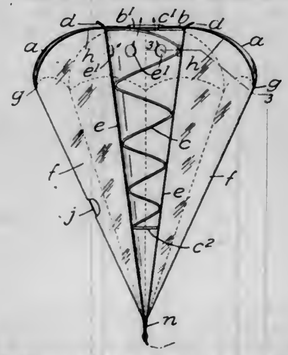
the rotor, of electric current generating means associated with said conduit and said rotor and comprising a permanent magnet ring-like in cross-section mounted on the longitudinal center of the rotor co-axially therewith for rotation thereby.

2,299,407
PARACHUTE PACK
John Raymond Cuthbert Quilter, Woking, England
Application April 4, 1940, Serial No. 327,885
In Great Britain October 10, 1939
3 Claims. (Cl. 244—149)



1. In a parachute pack, the combination of a main parachute, a pilot parachute, a tensile member connecting said main and pilot parachutes, a compression spring having one end attached to the canopy of said pilot parachute and the other end connected to said tensile member, and a separator positioned upon said tensile member at a point distant from said connected spring end, said separator being interposed between said other end of said spring and said main parachute in the stowed condition of said parachutes.

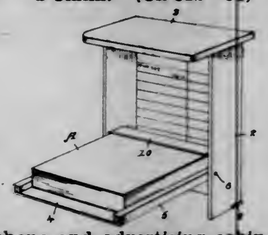
2,299,408
PARACHUTE
John Raymond Cuthbert Quilter, Woking, England
Application August 23, 1940, Serial No. 353,946
In Great Britain October 10, 1939
12 Claims. (Cl. 244—149)



1. A parachute comprising a canopy, shroud lines secured at their upper ends to the periphery of said canopy, means for securing together the lower ends of said shroud lines, a coiled spring

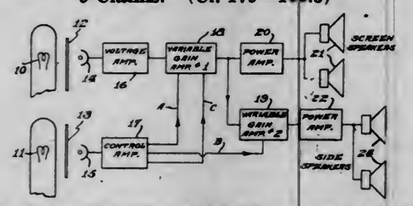
having one end secured to a central area of said canopy, a tubular bag enclosing said spring, and gusset pieces of flexible material connecting said bag to said shroud lines.

2,299,409
TELEPHONE AND ADVERTISING CABINET
Ivard M. Rathburn, Houston, Tex.
Application June 6, 1941, Serial No. 396,948
1 Claim. (Cl. 312—34)



A telephone and advertising cabinet comprising an upright body including a rear wall, relatively narrow side walls and a top wall, the front of the body being open, a door for closing the open front, hollow square cornered ribs formed along the side edges of the door and disposed on the inner face thereof, pivot pins extending through the side walls adjacent the front edges and lower ends thereof, as well as into the ribs adjacent one of their ends for mounting the door for swinging movement in a vertical plane, said ribs providing guiding means for a telephone book, clamping means including portions disposed at right angles to each other, one portion being fixed to the door along the pivoted end thereof and the other portion being spaced from the door to cooperate with the ribs for holding the book on the inner face of the door to be carried thereby, upright plates extending vertically of the inner faces of the side walls, inwardly directed flanges formed on the upper ends of the plates and having downturned free ends for the flanges to provide seats fitting and arranged in the paths of the ribs for receiving the latter to support the door in a horizontal plane when moved to open position, and channel tongues formed on the lower ends of the plates and clamped about the lower ends of the side walls.

2,299,410
SOUND REPRODUCTION
Hillel I. Reiskind, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1941, Serial No. 391,161
9 Claims. (Cl. 179—100.3)

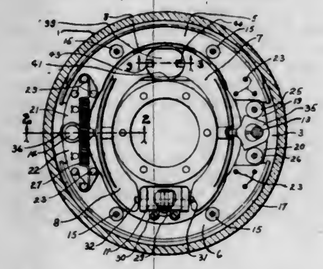


1. In combination, a sound current pickup, a sound reproduction channel, a control current pickup, a control amplifier actuated by said control current and a plurality of variable gain amplifiers in the sound reproduction channel controlled by different ranges of output level of the said control amplifier.

2,299,411
CATALYZED HYDROBROMINATION OF UNSATURATED ORGANIC COMPOUNDS
Frederick Rust and William E. Vaughan, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 25, 1941, Serial No. 408,212
9 Claims. (Cl. 260—663)

9. In a process of effecting abnormal addition of hydrogen bromide, the step of reacting hydrogen bromide with a compound selected from the group consisting of unsaturated hydrocarbons containing at least one olefinic linkage in asymmetrical position in the molecule, their halo-substitution derivatives, and symmetrical unsaturated aliphatic and alicyclic hydrocarbons containing a halogen atom attached directly to only one of the unsaturated carbon atoms in the presence of a bromoketone having a bromine atom on a carbon atom in alpha position with respect to the carbonyl group.

2,299,412
BRAKE
Laurence S. Sheldrick, Dearborn, Mich., and Henry G. Ferguson, Belfast, Northern Ireland, assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware, and Ferguson-Sherman Manufacturing Corporation, Dearborn, Mich., a corporation of Delaware
Application July 24, 1941, Serial No. 403,796
9 Claims. (Cl. 188—106)



1. A vehicle brake comprising, a drum, a plate, an upper and a lower brake shoe selectively pivoted on pivot points adjacent opposite sides thereof, brake beams at each side thereof, mechanical means disposed between adjacent ends of said brake beams, hydraulic means disposed between the opposite adjacent ends of such brake beams, whereby either of said means may serve as a pivot for said beams in the event of the operation of the other of said means, and cams disposed on such brake beams and operable about said selective pivot points.

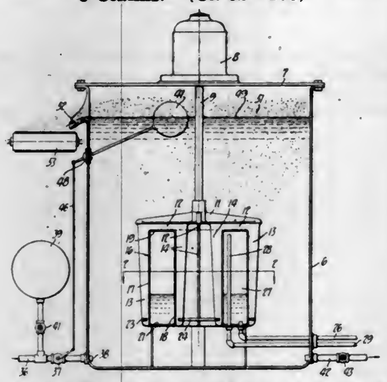
2,299,413
PILE CONSTRUCTION
Pomeroy Sinnock, Stockton, Calif.
Application July 30, 1940, Serial No. 348,384
2 Claims. (Cl. 61—57)

1. A pile unit and driving means therefor, the unit comprising an external tubular pile section, an internal pile section initially telescoped into the external section, said sections being adapted to be driven simultaneously until the external section is fully driven; a compressible sealing grommet fitted about the internal section adjacent its upper end and engaging the external section, and means to then drive the internal



section relative to the external section and at the same time engage and advance the grommet.

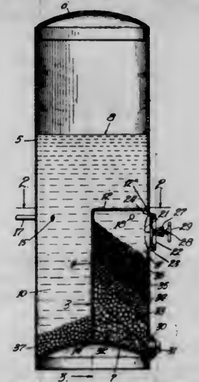
2,299,414
APPARATUS FOR PRODUCING REFRIGERANTS
Ellis H. Spiegl, Salinas, Calif.
Application July 15, 1940, Serial No. 345,572
3 Claims. (Cl. 62—106)



1. An ice maker comprising a vat adapted to contain liquid and a supernatant layer of ice crystals, means for supplying liquid to said vat, means for releasing supernatant ice crystals from said vat, a vessel within said vat and adapted to be submerged in said liquid well below said layer, means for circulating a refrigerant through said vessel, and means moving through and agitating said liquid around said vessel while leaving liquid adjacent said layer quiescent for removing ice crystals from said vessel.

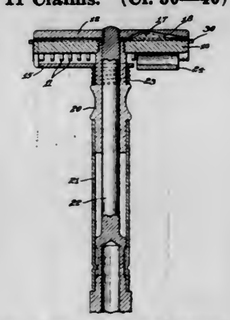
2,299,415
COMBINED FILTER AND PNEUMATIC PRESSURE TANK
John Strong, Downers Grove, Ill.
Application September 5, 1939, Serial No. 293,370
1 Claim. (Cl. 210—136)

A pressure tank having a water inlet considerably below the normal water level of the tank when in use, and when in use having a large volume of air above the water to be compressed and serve as a pneumatic cushion, a wall within the bottom portion of the tank to substantially shut off communication between the main portion of the tank and a secondary portion thereof, thereby forming an auxiliary compartment, the upper portion of said wall being cut to fit edgewise against the inner surface of the tank wall, and the lateral edges of the lower portion of the first mentioned wall fitting against the vertical inner surface of the tank, said edges being secured in water-tight relation to the tank wall, the bottom edge of the first mentioned wall being spaced from the bottom of the tank to per-



mit flow of water between the bottom of the tank and the bottom edge of said first mentioned wall but being close enough to the tank bottom to prevent movement of sizable materials from one portion of the tank to the other portion thereof, inlet and outlet pipes connected to the tank the inlet being at substantially the height of the upper end of said wall so that the inflowing water will be admitted to the tank below the normal water level and above sediment in the tank, the tank having coarse filtering material in the bottom of both compartments and finer filtering material thereabove in the auxiliary compartment and the outlet communicating with the auxiliary compartment adjacent the top thereof.

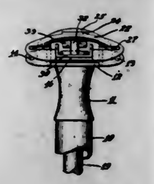
2,299,416
SAFETY RAZOR
Nicholas Testi, Boston, Mass, assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application February 5, 1940, Serial No. 317,256
11 Claims. (Cl. 30—40)



10. A safety razor having a guard with a handle, a forked cap provided with any underlying flange at one end as a rigid part of its structure,

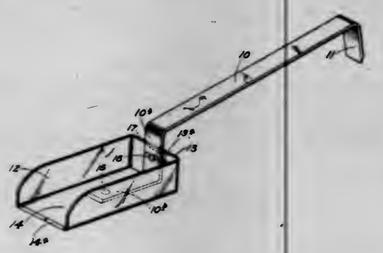
extending inwardly beneath one end of the guard and loosely connected to the handle for retaining the cap movably connected to the razor, and a magazine-supporting element at that end of said guard left free by the flange of the cap.

2,299,417
SAFETY RAZOR
Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application April 19, 1941, Serial No. 389,272
13 Claims. (Cl. 30—65)



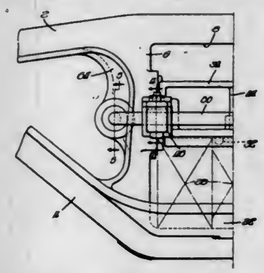
12. A safety razor for long slotted blades, having a guard member with an upwardly opened channel therein defined by upwardly projecting side flanges, a cap unit having a blade carriage including also spaced parallel upturned flanges inclined downwardly toward the entering end of the safety razor, means for guiding the blade carriage for longitudinal movement in the cap unit with its flanges disposed in parallel relation to and between the flanges of the guard member, whereby the entering end of the blade may be supported at a higher level than the remainder of the blade as the blade is presented on its carriage to the razor.

2,299,418
SCOOP
Frank W. Thomas, East Cleveland, Ohio
Application July 22, 1940, Serial No. 346,703
1 Claim. (Cl. 294—55)



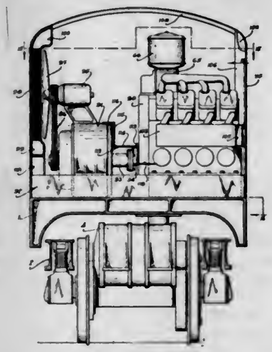
A tool of the character described comprising a scoop adapted to be received within a roof gutter and having rear, bottom and side walls, an elongated handle having its front end bent downwardly and forwardly, means pivotally securing the forwardly bent portion of the handle to the bottom of the scoop, means adjustably securing the downwardly bent portion of the handle to the rear wall of the scoop, the last mentioned means comprising a slot extending transversely of the rear wall of the scoop, a bolt extending through said slot and through the downwardly extending portion of the handle and a nut on said bolt.

2,299,419
RAILWAY TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 12, 1941, Serial No. 393,000
22 Claims. (Cl. 105—197.2)



17. In a railway car truck, a side frame having a bolster opening, vertical columns at opposite sides thereof, resilient means on said frame in said opening, a load bearing unit seated on said means and interlocked with said columns, said unit comprising a bolster and an interlocking member, clamping means on said unit, and a tie bar resiliently secured in said clamping means and connected to said columns.

2,299,420
LOCOMOTIVE
Max Essl, Norwood, Pa., assignor, by mesne assignments, to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application November 14, 1939, Serial No. 304,417
30 Claims. (Cl. 105—35)



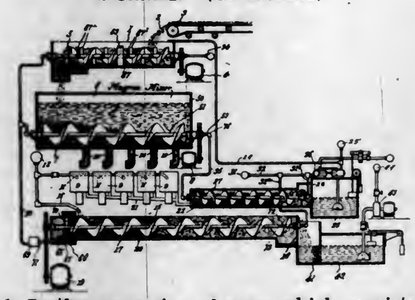
1. A locomotive comprising, in combination, a bed frame mounted upon driving wheels, a plurality of individual power units each having an internal combustion engine provided with a crankshaft for driving an electric generator disposed at one end of the engine, said power units being disposed with the engine crankshaft axes extending transversely of the frame and supported on top of said bed frame in side by side relation to each other so as to form a longitudinally compact bank of transverse power units, and means forming a walkway extending longitudinally through the locomotive over portions of the power units with the lengthwise axis of said walkway extending substantially at right angles to said crankshaft axes.

2,299,421
LOCOMOTIVE UNDERFRAME
Max Essl, Norwood, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application May 16, 1940, Serial No. 335,545
9 Claims. (Cl. 105—172)



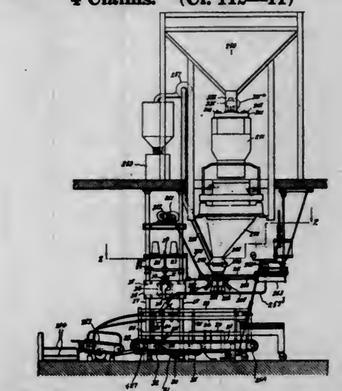
3. A locomotive underframe comprising, in combination, longitudinally extending inner and outer tubular members the outer diameter of which defines the full depth of the frame, and an end sill having an end closure connection with the outer tubular members and an upwardly extending saddle for receiving the under side of the inner ones of said tubular members.

2,299,422
PROCESSING SUGAR
Jacob J. Neuman, South Salem, N. Y., assignor to United States Patent Development and Royalty Company, South Salem, N. Y., a company of New York
Original application March 24, 1939, Serial No. 263,974. Divided and this application June 8, 1939, Serial No. 277,989
2 Claims. (Cl. 127—64)



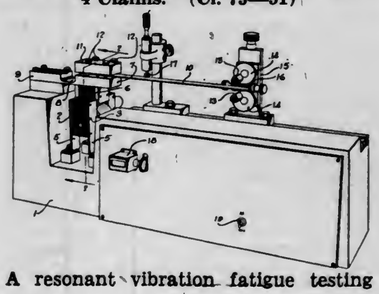
1. In the processing of sugar which consists in adding an affination syrup to raw sugar crystals in a mingling zone to form a magma, agitating and mixing the magma in a mixing zone, centrifuging the magma to separate sugar crystals from greens, melting the centrifuged sugar crystals in a melting zone in the presence of sweet water, collecting the separated greens in a storage zone, and returning said greens to the mingling zone as the affination syrup for admixture with raw sugar crystals; the method of heating the materials in the said several zones to respectively different temperatures, which consists in conducting a heating fluid in a stream through the melting zone in indirect contact with the sweet water and sugar crystals of the centrifuge in said zone to maintain a melting temperature of the sugar crystals, simultaneously conducting a second stream of heating fluid through the greens storage zone in indirect contact with the greens in the said zone to reduce the viscosity of the greens before returning said greens to the mingling zone as affination syrup, conducting one of said streams of heating fluid through the magma mixing zone in indirect contact with the magma in said mixing zone to reduce the viscosity of the magma which is being agitated, combining the first-named stream with the second-named stream of heating fluid in a single stream at the resulting mean temperature, and conducting the combined stream through the mingling zone in indirect contact with the raw sugar and affination syrup in said zone, to maintain a temperature in the latter below the temperature in the magma mixing zone, whereby all of said zones are subjected to heat without dilution of the materials by said heat other than such of the materials themselves.

2,299,423
BAG CLOSING APPARATUS
Jacob J. Neuman, South Salem, N. Y., assignor to United States Patent Development and Royalty Company, South Salem, N. Y., a company of New York
Application May 20, 1939, Serial No. 274,687
4 Claims. (Cl. 112—11)



1. Apparatus for closing a filled bag comprising, in combination, a conveyor for moving a bag, a motor for driving said conveyor, sewing means including a separate motor and positioned adjacent said conveyor to sew a bag thereon, current supply means, first means including a switch for connecting said conveyor motor with said current supply, second means including a second switch for connecting said sewing motor with current supply, third means including a switch for deenergizing said sewing motor, a circuit controlled by said last named switch for regeneratively braking said sewing motor, and a separate circuit controlled by said last named switch for reversing the connections of the conveyor motor to the current supply to reverse the conveyor and for reducing the field current to accelerate the conveyor.

2,299,424
FATIGUE TESTING MACHINE
Orville S. Peters, Chevy Chase, Md., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application July 16, 1940, Serial No. 345,729
4 Claims. (Cl. 73—51)



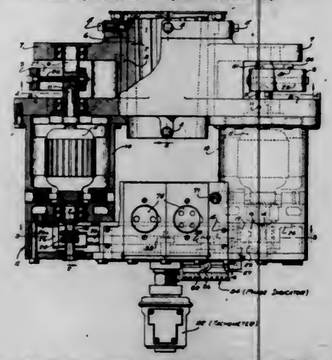
1. A resonant vibration fatigue testing ap-

paratus comprising, in combination, a resiliently mounted clamp for removably holding and supporting one end of a specimen while its other end is free, and magnetic means having a magnetically actuated element connected to said clamp to vibrate the clamp and establish a resonant vibration in the specimen clamped thereby.

2,299,425
OSCILLATOR

Orville S. Peters, Chevy Chase, Md., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania

Application July 30, 1940, Serial No. 348,602
12 Claims. (Cl. 73—51)

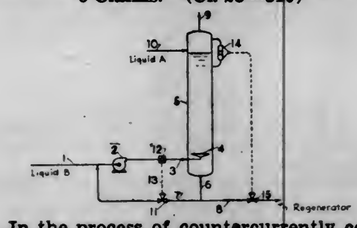


4. An oscillator comprising, in combination, a frame adapted to have one of its ends supported on a structure under test and its other end projecting freely therefrom, revolving weights journalled in said frame on axes extending in the direction in which said frame projects, and electric motors respectively driving said weights and supported in said frame with their axes extending in the same direction as the weight axes.

2,299,426
PROCESS FOR EXTRACTION

Theodore W. Rosebaugh, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application December 28, 1940, Serial No. 372,207
6 Claims. (Cl. 23—310)

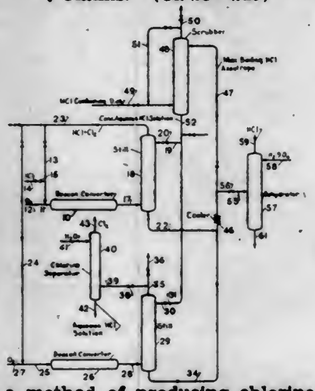


1. In the process of countercurrently contacting two relatively immiscible liquids, one of which has a predetermined substantially constant rate of flow while the other has a rate of flow subject to fluctuation, in which process the resulting contacted liquids are withdrawn at opposite ends of a contact zone in which the liquids flow countercurrently while in intimate contact with each other, the improvement comprising dividing out a portion of the contacted liquid having a constant rate of flow which has been withdrawn from the contact zone and returning said portion to said contact zone at a point intermediate between the two points of removal of the contacted liquids, combining the fluctuating liquid with the said portion being returned, and positively controlling the volume of said portion in inverse relation to the volume of said fluctuating liquid to compensate for said fluctuations whereby a constant rate of flow of the combined liquids is maintained.

2,299,427
CHLORINE MANUFACTURE

Ludwig Rosenstein, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application December 28, 1940, Serial No. 372,094
7 Claims. (Cl. 23—219)



1. In a method of producing chlorine by the oxidation of hydrogen chloride, the steps of conveying a gaseous mixture containing hydrogen chloride and oxygen through a reaction zone containing a catalyst which promotes the oxidation of hydrogen chloride to chlorine, maintaining said mixture in contact with the catalyst under oxidizing conditions for a period of time insufficient for the reactants and the reaction products to come to an equilibrium, scrubbing the effluent hot gases containing free chlorine, water vapor and unreacted hydrogen chloride with a cold concentrated aqueous hydrochloric acid solution having a hydrogen chloride concentration substantially greater than that of its maximum boiling azeotrope, said scrubbing solution being produced by the absorption of hydrogen chloride from a gaseous mixture of hydrogen chloride and an organic compound, its concentration, temperature and relative amount being such that the effluent hot gas mixture is cooled to a temperature below its dew point, such that there is produced a liquid fraction comprising a water-hydrogen chloride maximum boiling azeotrope and an overhead gaseous fraction comprising a substantially anhydrous mixture of free chlorine and hydrogen chloride, separately cooling the maximum boiling azeotrope, contacting said cold azeotrope with a gaseous mixture containing organic compounds and hydrogen chloride to form an aqueous solution having a hydrogen chloride concentration greater than that of its maximum boiling azeotrope, using this solution as the above scrubbing solution for the hot effluent gases from the catalytic oxidation reaction zone, re-subjecting at least a portion of the substantially anhydrous overhead fraction obtained from the scrubbing of the effluent gases to the above-described steps of catalytic oxidation and scrubbing of the resultant hot effluent gases to maintain a high chlorine concentration in the overhead gaseous fraction, and separating chlorine from the overhead gaseous fraction.

2,299,428
METHOD FOR MANUFACTURING HIGHLY ACTIVE DEPOLARIZER FROM NATURAL PYROLUSITE

Carlo Rossetti, Yverdon, Switzerland, assignor to the firm Leclanché S. A., Yverdon, Switzerland, a joint-stock company of Switzerland

Application June 18, 1938, Serial No. 214,597
In Switzerland October 29, 1937
5 Claims. (Cl. 204—83)

1. A method of manufacturing manganese dioxide of high depolarizing capacity comprising, roasting natural pyrolusite in presence of carbon to reduce it into a mixture of lower oxides which has less content of oxygen than Mn_2O_3, suspending the reduced mass in a neutral aqueous solution of manganous sulphate, directly submitting the aqueous suspension so obtained to electrolysis until permanent acid reaction appears, thereby forming on the one hand a depolarizing precipitate composed essentially of MnO_2 whereof a part is freshly precipitated MnO_2 in a highly active state and the other part is original MnO_2 the surface area of which is increased by freeing it from its content of lower oxides, and, on the other hand, regenerating the manganous sulphate solution used, and finally filtering the depolarizing precipitate from the remaining solution of manganous sulphate.

2,299,429
TURBINE BLADE SHROUDING

Josef A. Rydmark, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 8, 1941, Serial No. 382,323
5 Claims. (Cl. 253—77)



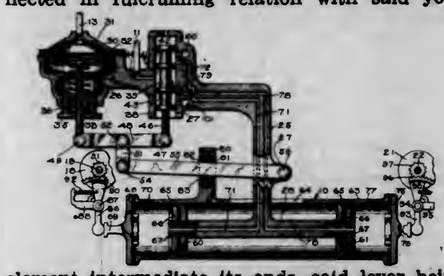
1. In a turbine, a row of blades, each blade having a shroud-forming portion and the shroud-forming portion providing outer boundaries for the blade passages between blades, said blades having tenons extending outwardly from the shroud-forming portions, an elastic metallic band for connecting the tenons together, said elastic metallic band comprising members elongated transversely of the blade row and connected to the tenons and members arranged alternately with respect to the elongated members for connecting the latter together, said connecting members being relatively stiff in a direction transverse to the blade row and yieldable circumferentially thereof.

2,299,430
CONTROL DEVICE

Everett P. Sexton, East McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application January 30, 1941, Serial No. 376,623
1 Claim. (Cl. 121—41)

A vehicle brake and propulsion remote control actuator comprising, in combination, a piston structure having oppositely disposed abutment portions, an operator cylinder having oppositely disposed pressure chambers and arranged in sliding relation with said abutment portions to have reciprocating movement in accordance with variations in fluid pressure in said chambers, a balanced valve element having a lap position and operable therefrom to supply and release fluid under pressure to and from either of said pressure chambers, a spring, a movable abutment subject to force exerted by said spring and to an opposing control pressure, a yoke element having opposite ends pivotally connected to said movable abutment and to said valve element, respectively, a lever pivotally anchored at one end and having the other end operatively connected in fulcruming relation with said yoke

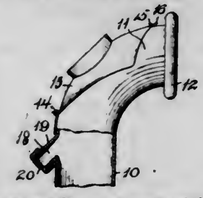


element intermediate its ends, said lever being normally disposed in a canted position relative to the axis of said operator cylinder, and a pair of rollers carried by said reciprocating operator cylinder in engagement with said lever, whereby said valve element is adapted to be shifted to fluid supplying position by said spring pressed movable abutment, and to be returned to lap position by said cylinder and rollers through the medium of said lever, such return movement being free from any opposing force offered by said movable abutment or said spring.

2,299,431
COLOSTOMY APPLIANCE

Mary E. Shirey, New York, N. Y.

Application August 10, 1939, Serial No. 289,368
1 Claim. (Cl. 128—283)



A colostomy appliance comprising a tube having open ends and with an elbow at its upper end, the outer curved wall of the elbow having an opening therein, a hinged lid on the outer curved side of the elbow to close the opening, a transparent pane in the lid, the tube having a second opening in the wall opposite the upper open end of the tube and below the hinged lid, and a closure for the said second opening.

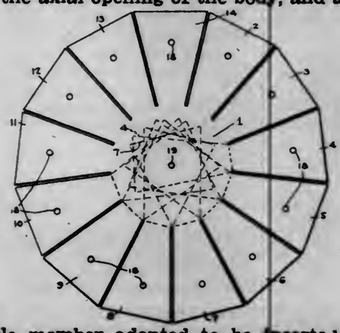
2,299,422
HAT

Hans Skreberg, Big Bend Township, Chippewa County, Minn.

Application August 21, 1940, Serial No. 353,544
2 Claims. (Cl. 2—198)

1. A hat comprising a substantially circular body having an opening at its axis and also provided with a plurality of radial slits extending inwardly from the periphery of the body to a point short of said opening to divide the outer portion of the body into a plurality of segments

whose inner ends are hingedly connected to the central portion of the body to be foldable relative thereto, each of said segments being provided with an opening, a first flexible member having an abutment at one end and adapted to be threaded through the openings of said segments when the latter are folded onto the body to bring said openings in the segments concentric with the axial opening of the body, and a second



flexible member adapted to be inserted in the openings of the segments which are permitted to depend from the body, said last mentioned flexible member having an abutment at one end for engaging one of the segments so that the down-turned segments may be gathered in overlapping relation by said last mentioned flexible member, the free ends of the first and second flexible members being adapted to be brought together and tied under the chin of the wearer.

2,299,433

DECORATED METAL SHEET AND VARNISH THEREFOR

Frank R. Stoner, Jr., and Daniel M. Gray, Sewickley, Pa., assignors to Stoner-Mudge, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application October 2, 1940, Serial No. 359,348

5 Claims. (Cl. 117—75)

1. A finishing varnish for application to decorated metal sheet comprising (1) a copolymer of a vinyl halide and a vinyl ester of a lower aliphatic monocarboxylic acid, and (2) a copolymer of a vinyl halide, a vinyl ester of a lower aliphatic monocarboxylic acid, and a substance selected from the group consisting of maleic acid, maleic anhydride and the lower alkyl esters of maleic acid, and (3) a solvent for the whole composition.

5. A metal article coated with a sizing varnish, a lithographic varnish, and a baked-on finishing varnish comprising (1) 60 to 90 parts by weight of a copolymer of a vinyl halide and a vinyl ester of a lower aliphatic monocarboxylic acid, and (2) 40 to 10 parts by weight of a copolymer of a vinyl halide, a vinyl ester of a lower aliphatic monocarboxylic acid, and a substance selected from the group consisting of maleic acid, maleic anhydride and the lower alkyl esters of maleic acid, in which the baking schedule for the finishing varnish does not exceed 275° F. for 10 minutes.

2,299,434

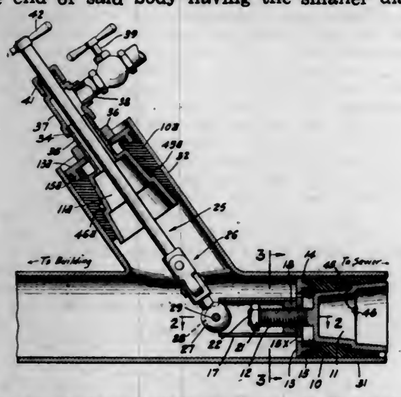
PLUMBER'S PIPE TESTING DEVICE

Bennett Svirsky, Glendale, Calif.

Application May 5, 1941, Serial No. 391,892

9 Claims. (Cl. 138—90)

7. In a plumber's pipe testing device, a body of a generally cylindrical shape composed of a rubber-like expansible material having its interior wall conically tapered in a stepped manner toward one end, a frusto-conical follower, the taper of which is stepped to correspond with the taper of said wall, said follower being furnished at its smaller end with an axially projecting screw-threaded stem, at least a portion of said follower being contained within said body while a part of said stem projects axially from the end of said body having the smaller diam-



eter, an abutment plate anchored to the last recited end of said body, said plate having through it a central aperture through which said stem projects, a traction member embracing the projecting portion of said stem in an abutting relation to said abutment plate and having a screw-threaded portion in an operative relation to the threads of said stem, and means for rotating said member to apply traction to said stem.

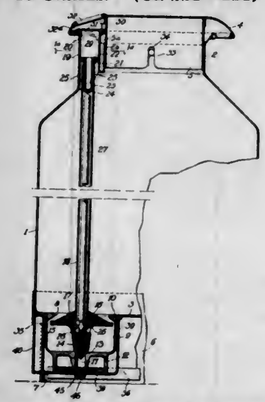
2,299,435

DISPENSING APPARATUS

William Tamminga, Bronx, N. Y., assignor to Monitor Process Corporation, Jersey City, N. J., a corporation of New Jersey

Application December 21, 1939, Serial No. 310,381

18 Claims. (Cl. 221—114)



1. In an assembly of the character described, a milk can comprising a body, the upper portion of which is contracted to form the breast of the can and on which breast is superimposed a can neck, a tubular guide positioned exteriorly of the neck and extending from the breast to substantially the top of the neck and open to the interior

of the can, there being an opening provided in the bottom of the can below said guide, a valve cooperating with said opening and having a valve stem extending upwardly through the body of the can and projecting into the guide, a distruptable seal for normally closing the upper end of the tubular guide, and a can cover adapted to close the top of the can and projecting exteriorly of the neck in a lateral direction sufficiently to overlie the upper end of the guide, said cover having therein an opening juxtaposed with the guide and through which access may be had to said disruptible seal.

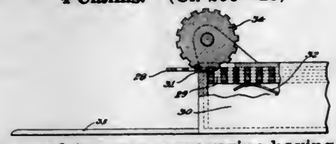
2,299,436

BLADE DISPENSER

Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application March 21, 1940, Serial No. 325,223

4 Claims. (Cl. 206—16)



1. In a safety razor, a magazine having a stack of thin flat blades each provided with a series of perforations forming rack teeth, a discharge opening for the blades in the walls of the magazine, and a pinion feed roll located adjacent to the discharge opening for rotation across the same and having teeth no longer than the thickness of the perforated blades.

2,299,437

PURIFICATION OF ALKYL PHENOLS

Samuel Benson Thomas and William C. Smith, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 13, 1940, Serial No. 345,376

11 Claims. (Cl. 260—627)

1. A process for desulfurizing alkyl phenols containing sulfur-bearing impurities in the form of thiophenols which comprises treating said phenols in the vapor phase with hydrogen at a temperature between about 200° C. and about 420° C. and at a total pressure not to exceed 50 lbs. in the presence of a sulfur-immune hydrogenation catalyst.

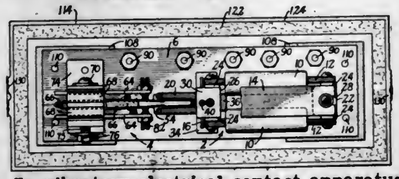
2,299,438

VIBRATORY RECTIFIER

George S. Tiffany, Summit, N. J., assignor to Telautograph Corporation, New York, N. Y., a corporation of Virginia

Application August 2, 1940, Serial No. 349,475

14 Claims. (Cl. 200—90)



1. In vibratory electrical contact apparatus of the character described, the combination of, two switch units, each of said units including a fixed contact and a movable contact and biasing means normally holding the movable contact into engagement with the fixed contact, a switch-actuating member operably connected to said switch units and freely mounted to rock between two extreme positions to alternately actuate said units, said switch-actuating member being normally urged by said switch unit biasing means to a mid-position and being movable to one extreme position in which it is totally disengaged from one of said switch units and has moved the movable contact of the other switch unit out of engagement with its fixed contact thereby loading its biasing means and to another extreme position in which a corresponding condition exists when said other switch unit is closed and said one switch unit is open with its biasing means loaded, and oscillatable motor means cyclically rocking said switch-actuating member alternately to said extreme positions, the operating relationship being such that when said switch-actuating member reaches one extreme position the reversal in its direction of movement is facilitated by the action of the biasing means of the open-circuited switch unit and the open-circuiting of the other switch unit takes place after said switch-actuating memebr has attained appreciable speed of movement which speed of movement is a result of the combined action of the biasing means and the motor means initiating the rocking movement.

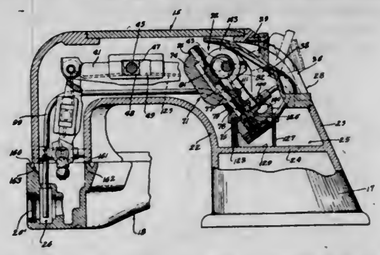
2,299,439

LUBRICATING MECHANISM FOR SEWING MACHINES

Norman F. Townsend, Port Chester, and Francis P. Tamburro, Ozone Park, N. Y., assignors to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York

Application December 15, 1939, Serial No. 309,362

25 Claims. (Cl. 184—6)



1. In a sewing machine the combination of a main frame; a drive shaft; a pair of bearings on said frame for said drive shaft; a pump; driving means between said pump and said drive shaft; and means on said bearings and said pump for maintaining the driving means in operative engagement.

2,299,440

SYSTEM FOR PRODUCING BUTTER

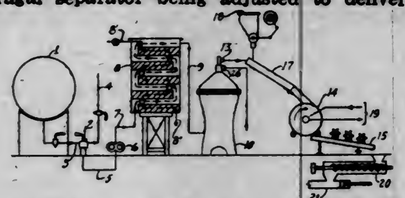
Peter A. van der Meulen and David Levowitz, New Brunswick, N. J., assignors to Research Corporation, a corporation of New York

Application August 8, 1939, Serial No. 289,018

6 Claims. (Cl. 31—34)

6. A system for producing butter comprising in combination a cream storage container, a supply of water, fluid heating means, means for mixing the cream and water in proportionate amounts connected to said water supply and said cream storage container, the said fluid heating means being arranged to supply heat so that the tem-

perature of the water-cream mixture is above the normal temperature of the supply, and a centrifugal separator being adjusted to deliver a



product possessing the properties of butter and containing at least eighty percent fat, whereby butter is obtained directly from the separator.

2,299,441

CATALYTIC HALO-SUBSTITUTION OF SATURATED ORGANIC COMPOUNDS

William E. Vaughan and Frederick F. Rust, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 2, 1939, Serial No. 293,256

10 Claims. (Cl. 260—662)

10. A process of halogenating a saturated organic compound which comprises reacting said compound with a halogen selected from the group consisting of chlorine, bromine and iodine, in the presence of a metallo-hydrocarbon compound which yields free radicals under the operating conditions.

2,299,442

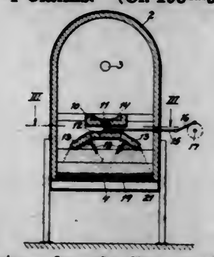
APPARATUS FOR SPREADING MATERIAL OVER LARGE SURFACES

Mikael Vogel-Jorgensen, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application May 10, 1941, Serial No. 392,906

In Denmark May 31, 1940

4 Claims. (Cl. 198—52)



1. Apparatus for feeding material to and spreading it laterally over a rectangular surface along which the material is to be moved longitudinally thereof, comprising a stationary support located above said surface intermediate its side edges, side plates inclined downwardly from said support, means for delivering the material to said support, a distributing device adapted to cause outward movement of the material along said support in opposite directions and onto said side plates, such movement being toward the side edges of said surface and transversely to the direction in which the material is to be moved over said surface, each of said side plates progressively decreasing in width downwardly to form a discharge edge over which the material which slides down such side plate drops onto said surface, the discharge edges of said side plates converging horizontally towards the median line of said surface and extending obliquely across the same, whereby the material which passes down said side plates and falls over said discharge edges onto said surface is distributed laterally thereover.

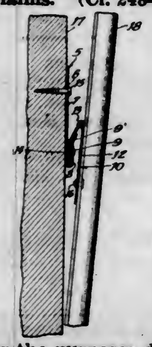
2,299,443

Burton O. Walmsley, Chicago, Ill.

FRAME SUPPORT

Application May 8, 1941, Serial No. 392,483

2 Claims. (Cl. 248—29)



1. A device for the purposes described consisting of two elongated metal strips; one of said strips having a flat body adapted to be attached to a fixed object, its lower longitudinal edge forwardly bent upwardly into a semi-resilient channel with an outwardly pressed longitudinal bead on the bent-up portion and terminating in an outwardly extending lip; the other of said strips comprising a flat longitudinal body portion adapted to be attached to an object to be supported thereby, its upper longitudinal edge turned primarily obliquely outward bearing a longitudinal inwardly pressed bead adapted to automatically interlock with the bead on the fixed object strip against accidental displacement.

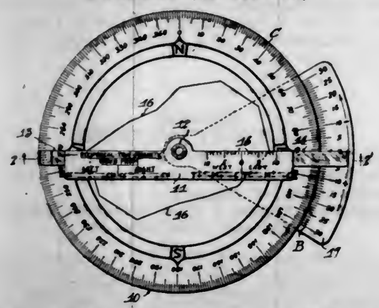
2,299,444

NAVIGATION COMPUTER

Louis Allen Warner, Baltimore, Md.

Application January 15, 1941, Serial No. 374,546

4 Claims. (Cl. 235—83)



1. A navigational computer for use with compasses, comprising: a substantially circular card having a scale around the circumference thereof and an open central area for receiving the magnetic deviation curve for a compass, an arm pivoted at the center of said substantially circular card, said arm having a scale for reading magnetic deviation from said curve corresponding to different deflections of the compass, an auxiliary

scale member of substantially arcuate shape pivoted at the center of said substantially circular card, said auxiliary scale having positive and negative graduations substantially equal to the graduations of said substantially circular scale so that readings taken from said magnetic deviation curve and magnetic variation values may be added to or subtracted from readings of said substantially circular scale by positioning the zero pointer of said auxiliary scale on the reading of said substantially circular card and moving said arm either clockwise or counterclockwise by the amount of the magnetic deviation read from said auxiliary scale corresponding to the position of said arm and by the amount of the magnetic variation, to obtain the correct reading from said substantially circular scale.

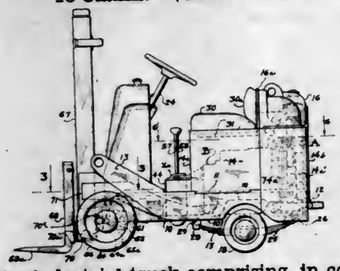
2,299,445

INDUSTRIAL TRUCK

Elverton W. Weaver, Cleveland Heights, Ohio, assignor to Towmotor Co., Cleveland, a co-partnership consisting of Lester M. Sears, Ruth P. Sears, and Mary Ann Sears, all of Shaker Heights, and Anna L. Sears, Cleveland, Ohio

Application August 13, 1941, Serial No. 406,640

13 Claims. (Cl. 214—113)



1. An industrial truck comprising, in combination, a frame having side members, driving wheels supported by and adjacent to the front ends of the said side members, a cross bar also supported from the front portions of the side members, a mast, a load supporting carriage movable along said mast, a hanger for said mast comprising a seat for the lower end of said mast and an inverted U-shaped hook carried by said seat and mounted upon the said cross bar, and means for tilting the said mast about the said cross bar as a pivot.

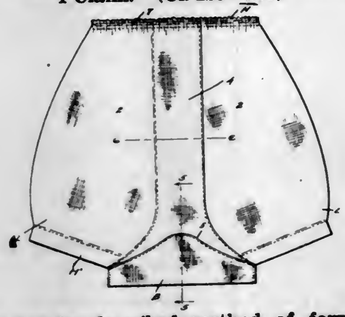
2,299,446

WOMAN'S DISPOSABLE UNDERGARMENT

Gladys B. White, Riverside, Calif., assignor of one-half to Amy Britt Rowells, Clovis, N. Mex.

Application September 23, 1940, Serial No. 357,975

1 Claim. (Cl. 128—288)



The herein described method of forming a woman's disposable garment consisting in providing a rectangular sheet of gauze, forming notches in the lower edge of the sheet, one at the central portion thereof and one adjacent each end thereof, folding the end sections of the sheet over the middle section with the ends of the sheet overlapping and connected together, with said notches registering when the sheet is folded, providing an absorbent pad having its central portion of greater width than its end portions and then placing the side edges of the pad in the notches and sewing the said side edges of the pad to the walls of the notches to make the pad form the crotch part of the garment with the ends of the pad forming portions of the legs of the garment.

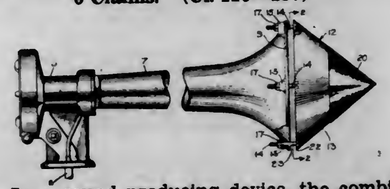
2,299,447

PNEUMATIC HORN DEVICE

Alfred B. Wood, Chicago, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application September 30, 1941, Serial No. 412,952

6 Claims. (Cl. 116—137)



1. In a sound producing device, the combination with a flared horn bell, of a conical shield comprising a frustum portion made of sheet material secured to and spaced from the lip of said horn bell, and a screen portion made of foraminous material secured to and covering the smaller opening of said frustum portion, whereby moisture passing through said screen portion may be ejected by suction caused by flow of air past the edge of said frustum portion.

2,299,448

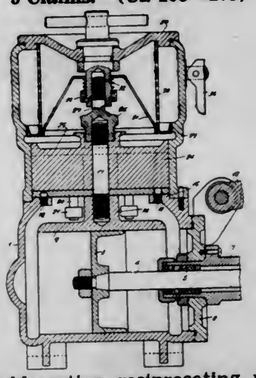
PUMP AND FILTER THEREFOR

Jean Zwicky, Burnham, England

Application January 23, 1941, Serial No. 375,655

In Great Britain January 16, 1940

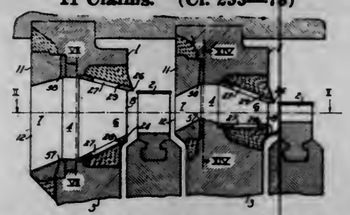
5 Claims. (Cl. 103—175)



1. A double-acting reciprocating pump comprising a cylinder casting having therein a cylinder, a circular seating in a plane parallel to the cylinder axis, passages connecting said seating with the ends of the cylinder and a transverse partition separating said passages, in combination with a valve plate fitting upon said seating

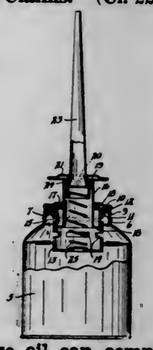
and having four ports through it, two on each side of said transverse partition, a valve box casing making joint with said cylinder casting and having an inlet and outlet, a diametral partition fitting rotatably within said valve box casting separating said inlet and outlet and making joint with said valve plate, two ports of the valve plate being on one side of said diametral partition and two on the other, spring-controlled inlet and outlet valves governing the ports in said valve plate and means for rotating said diametral partition and valve plate from outside the pump.

2,299,449
DIAPHRAGM CONSTRUCTION
Robert C. Allen, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application July 5, 1941, Serial No. 401,105
11 Claims. (Cl. 253—78)



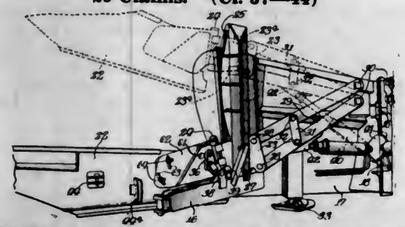
1. An elastic fluid turbine diaphragm adapted to receive the fluid issuing from one row of moving blades and to cause the fluid to turn and enter the next row of moving blades at a velocity exceeding the critical velocity comprising a disk member having therein a circumferentially extending fluid conducting passage including an inlet portion having disposed therein a series of circumferentially spaced fluid turning elements, an outlet portion having disposed therein a series of circumferentially spaced nozzle elements, and said nozzle elements forming therebetween nozzle passages each including coaxial convergent divergent portions having their common axis extending in the direction fluid flows in issuing from the adjacent ends of the passages formed between said turning elements.

2,299,450
PRESSURE OILCAN
Chester A. Anderson, Litchfield, Minn., assignor of one-third to Alfred Anderson and one-third to Raymond N. Ornberg, both of Litchfield, Minn.
Application March 13, 1940, Serial No. 323,731
6 Claims. (Cl. 221—50)



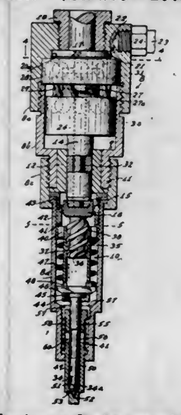
1. A pressure oil can comprising a can body having a mouth, a cylinder supported in said mouth, a plunger having an upper end and being slidable in said cylinder and having an aperture axially therethrough, a spout extending upwardly through said plunger and having an enlarged lower end, said plunger at its upper end including a flange extending upwardly around said spout, and an apertured finger engaging flange fitted around the upwardly extending flange on the end of said plunger.

2,299,451
SNOW PLOW
Elisworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application January 27, 1941, Serial No. 376,041
29 Claims. (Cl. 37—44)



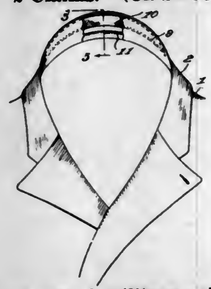
23. In a snow plow, a plow blade, arms extending rearwardly therefrom and adapted to be secured to a tractor, wings forming extensions on the ends of said blade, a pair of links pivoted to the inner end of each wing and to the blade at a point remote from the wing whereby the wings are carried by the blade to be swung upwardly and outwardly inclined, and hydraulic jack means carried by said blade on the back thereof to effect such swinging of said wings.

2,299,452
FUEL INJECTOR FOR INTERNAL COMBUSTION ENGINES
Guy A. Bell, Glendale, Calif.
Application August 4, 1939, Serial No. 288,377
4 Claims. (Cl. 299—107.2)



1. In a fuel injector a body providing a chamber, a wall dividing said chamber respectively into a high pressure chamber and low pressure chamber, an injector valve opening outwardly from said high pressure chamber, a tubular plunger reciprocable thru said wall and providing a valve seat at the end within said high pressure chamber, a valve disc in said high pressure chamber disposed to be abutted by the seat of said plunger when same is moving inwardly of said high pressure chamber to then travel inwardly with said plunger while sealing the said high pressure chamber from the low pressure chamber, means operable only after seating of said disc on said plunger to open said injector valve and means operating on continued inward movement of said plunger in said high pressure chamber to unseat said valve disc from said plunger and to move said injector valve to closed position.

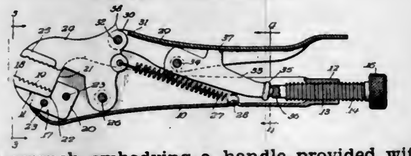
2,299,453
COLLAR
Harry Berman, Brooklyn, N. Y.
Application December 21, 1939, Serial No. 310,417
2 Claims. (Cl. 2—98)



1. A turn over and military collar comprising a turn down facing and a military facing, means for connecting the outer marginal portions of said facings, the intermediate portion of one facing being of a width greater than the adjacent portion of the second facing and extending beyond the marginal portion of the second facing to be secured to the neck portion of a body garment, said extended portion of the first facing being also for connection to the neck portion of the body garment, the first facing for a major distance therealong being folded to provide a plait, said plait being substantially crescent form, a filler insert snugly fitting and housed within the plait, and means for maintaining the plait and the insert within the plait, the location of the plait and the extended marginal portion of the first facing providing means whereby the back of the collar is of substantially the same height when arranged either as a turn over collar or a military collar,

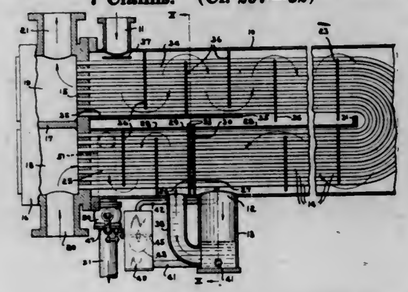
---

2,299,454
WRENCH
Henry C. Borchers, Chicago, Ill., assignor of one-half to Martin Loeber, Chicago, Ill.
Application February 18, 1941, Serial No. 379,504
1 Claim. (Cl. 81—84)



A wrench embodying a handle provided with a jaw, a movable jaw pivotally connected with the handle, a second handle pivotally connected by one end to the movable jaw, a link one end of the link being pivotally connected to the said second handle intermediate the ends of the latter, the other end of the link having bodily shiftable and unanchored engagement with and being freely separable from the first said handle when said jaws are open, a spring tending normally to separate the jaws, said movable jaw and the end of the said second handle that is pivoted thereto being provided one with a stop and the other with a shoulder adapted to engage the stop for limiting the action of the said second handle in one direction, whereby to maintain the said unanchored end of the link against separation from the first said handle.

2,299,455
HEAT EXCHANGER
Robert A. Bowman, Folcroft, and John P. Rathbun, Prospect Park, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 26, 1940, Serial No. 358,390
7 Claims. (Cl. 257—32)

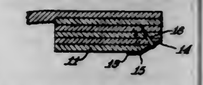


2. Heat exchange apparatus comprising a horizontal shell having a steam inlet and a condensate outlet; a hotwell for receiving condensate from said condensate outlet; a plurality of tubes extending longitudinally of said shell; a stationary tube plate closing the inlet end of said shell and supporting the terminal portions of the tubes at said inlet end; means closing the other end of the shell; waterbox structure associated with said tubes and providing for circulation of water therethrough in a plurality of passes with the first pass tubes disposed in the lower part of the shell; means segregating the coldest portion of the first pass from the remainder of the exchanger with the segregated portion constitutnig a sub-cooler, said means comprising a pair of closely-spaced, parallel, vertical baffles extending transversely of the first pass between the inlet end thereof and the condensate outlet and spaced a material distance from the former and approximately engaging at their edges with the sides and bottom of the shell, and a horizontal baffle extending from the stationary tube plate to the nearer of said pair of baffles and having sealing engagement at its longitudinal edges with the sides of the shell; means for maintaining a liquid seal at the edges of said horizontal baffle and said pair of vertical baffles during operation of the apparatus; and means providing for passage of condensate from the hotwell to the subcooler.

2,299,456
SHOE HEEL AND TOEPLATE
Linzy W. Brooks, Ranier, Oreg., assignor to East Side Tool and Die Works, Portland, Oreg.
Application November 12, 1940, Serial No. 365,338
3 Claims. (Cl. 36—73)

1. A shoe attachment comprising a rigid plate

bent transversely to form straight flat sections arranged at an obtuse angular relation with one



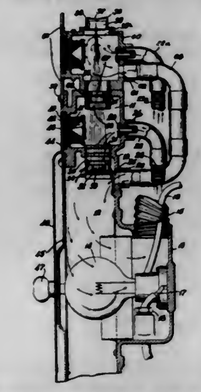
another, the said plate having nail receiving apertures in the angular juncture of the said sections.

2,299,457

SMOKE DETECTING APPARATUS

Clarence Noel Cahusac, Newark, and Frank B. Allen, Verona, N. J., assignors to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware

Application May 2, 1941, Serial No. 391,446
5 Claims. (Cl. 88—14)



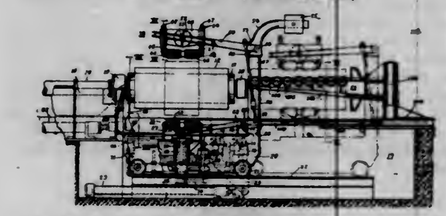
5. In a smoke detecting apparatus, the combination of two series of detector chambers, the individual chambers of which are alined, a transparent separator between corresponding chambers of said two series, a common exhaust chamber with which all of said chambers of said two series communicate, and a source of light for transmitting light into a chamber of one series and through the transparent separator into the corresponding chamber of the other series.

2,299,458

COIL HANDLING APPARATUS

Edward M. Chandler, Alcoa, Tenn., and Peter J. Castora, Pittsburgh, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 13, 1941, Serial No. 418,940
16 Claims. (Cl. 242—61)



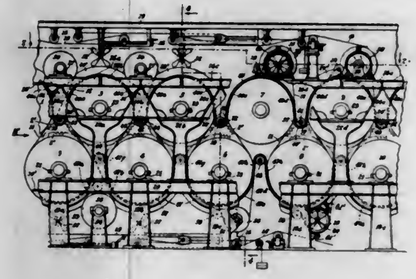
1. In a coil handling apparatus of the class described, a pair of vertically opposed coil engaging elements movable into and out of peripheral contact with a coil disposed therebetween, a horizontally movable frame structure carrying said elements, means on said frame structure for actuating said coil engaging elements, to support and clamp the coil thereby, and means for moving said frame structure to move the coil from one axial coil support to another.

2,299,459

PAPER MANUFACTURE

Henri G. Chatain, Erie, Pa., assignor to Hammermill Paper Company, Erie, Pa., a corporation of Pennsylvania

Application March 15, 1940, Serial No. 324,021
14 Claims. (Cl. 34—41)



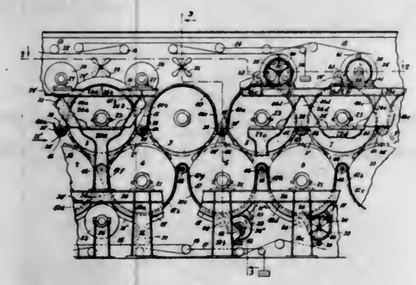
1. The method of controlling the drying of paper passing through upper and lower sets of dryer rolls in a paper machine, said method comprising preventing substantial escape of air from the zone intermediate said sets of rolls to thereby maintain in contact with the paper between said sets of rolls a substantially isolated mass of humid air to prevent substantial drying of the paper in said zone.

2,299,460

PAPER MANUFACTURE

Henri G. Chatain and Herbert L. Dyer, Jr., Erie, Pa., assignors to Hammermill Paper Company, Erie, Pa., a corporation of Pennsylvania

Application March 16, 1940, Serial No. 324,284
8 Claims. (Cl. 34—18)



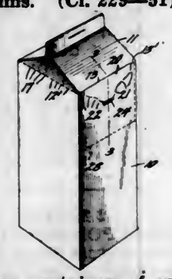
6. The method of drying paper in the dryer section of a paper machine in which the paper is passed over a series of dryer rolls, said method comprising pressing one side of the paper sheet against the surface of a dryer roll during its passage thereover by contacting the other side of said paper sheet with a flexible band; removing said band from contact with said paper by passing said band over an element adjacent to said dryer roll thereby exposing a surface of said paper; returning said band into contact with said paper while said paper is still in intimate contact with said dryer rolls; and directing an air current on to said exposed surface of said paper.

2,299,461

CONTAINER

William A. Clanon, Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio

Application December 7, 1940, Serial No. 369,085
7 Claims. (Cl. 229—51)



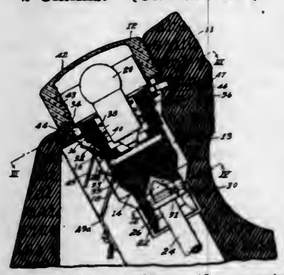
1. A sheet paper container of self-supporting type comprising a body portion for the reception of goods and a top portion which constitutes a folded and sealed extension of the body, said portions being connected by a hinge strip integral with both portions and by a series of spaced relatively weak bridging portions which laternate with incisions defining a continuous line of severance terminating at the ends of the hinge strip, the top and body portions being readily separated, save along the hinge strip, by breaking said bridging portions, thus permitting the top to be rocked about said hinge strip and the contained goods exposed, the line of severance defining a tab or tongue formed from portion of the body and integral with the top the free end of which may be conveniently lifted to initiate breaking of the bridging portions and severance of the top from the body except at the hinge.

2,299,462

SADIRON THERMOSTAT ADJUSTING MEANS

Earl K. Clark and Joseph Raymond Heilman, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 4, 1941, Serial No. 381,676
2 Claims. (Cl. 177—311)



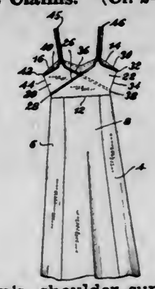
1. In a removable sadiron thermostat adjusting control knob which is rotatably mounted within a complementary opening in the sadiron handle for cooperation with the adjusting screw of the iron thermostat and which embodies visible signaling means, the combination of an elongated cylindrical member having a lower relatively small diameter portion and an upper relatively large diameter portion, a signal lamp, said upper portion having a downwardly extending opening for removably receiving the signal lamp, a lower and an upper electrical conductor sleeve positioned upon and attached to the large diameter portion of said member for receiving electrical contact fingers, means for electrically connecting said sleeves with the lamp, said upper sleeve having an outwardly extending flange, an upwardly extending casing projecting upwardly from the cylindrical member and having depending fingers for fitting closely about the upper portion of the cylindrical member, said casing cooperating with the flange of the upper sleeve to form a ring-like channel, key means carried by the sadiron handle projecting within the channel for retaining the cylindrical member within the opening therein, and a translucent cap-like member fitting over and removably attached to the casing and disposed about said signal lamp for indicating the operating position of the thermostat, said small diameter portion having an upwardly extending cylindrical opening therein for removably receiving the adjusting screw of the thermostat and having a key receiving slot adjacent to the opening to permit a keyed connection between said knob and screw, whereby the control knob may be rotated to rotate the thermostat adjusting screw without any longitudinal movement of the knob with respect to the sadiron handle.

2,299,463

WOMAN'S SHOULDER-SUPPORTED GARMENT

Elizabeth Bunker Clark, New York, N. Y., assignor to the William Carter Company, Needham Heights, Mass., a corporation of Massachusetts

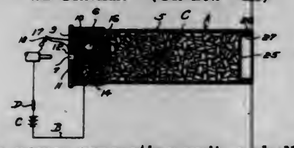
Application January 25, 1941, Serial No. 375,874
2 Claims. (Cl. 2—73)



1. A woman's shoulder-supported undergarment comprising a lower body portion, and an upper body portion including a shaped front bust area and an upper back portion, said upper body portion being seamed to said lower body portion along a seam defining a circumferential lower bust line, said upper back portion comprising two overlapping criss-cross panels, the bottom edge of each panel being seamed substantially across its lower edge to the back lower body portion, the side edge of each panel being seamed to the front bust area, and the upper edges of each panel including portions of unequal length and meeting at an apex to form rear shoulder strap connecting points, one on either side of the center line of the back of the garment, the shorter upper edges of said panels being continuations of the upper front bust area edges of

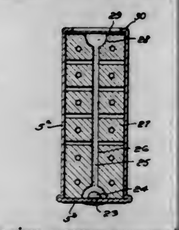
the garment, and the longer upper edges of said panels criss-crossing each other and being permanently attached at diametrically opposed points in the side seams of the garment adjacent said lower circumferential bust line, and shoulder straps connecting the apexes of the back panels with the front bust area whereby, in the normal set of the garment on the wearer, the combined pull of the shoulder straps is distributed criss-cross of the back of said garment to said attachment points, thereby constricting the material of the front bust area along the lower bust line of the garment.

2,299,464
POWER GENERATING UNIT
Roscoe A. Coffman, Pittsburgh, Pa.
Application December 14, 1931, Serial No. 581,032
21 Claims. (Cl. 102—12)



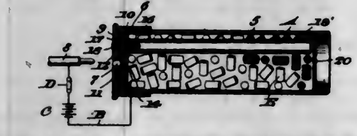
3. In a power generating unit, a shell containing a charge of deflagrating burnable fuel in such quantity to deliver, when ignited and burned, a sufficiently large volume of gas to perform an appreciable amount of useful work and wherein said fuel is composed of a multiplicity of pellets some of which are faster burning than others and adapted to aid in maintaining ignition and support combustion of the slower burning pellets, all of said pellets being so disposed with reference one to the other as to insure continued ignition of the charge until consumed, said fast burning pellets being easily ignitible but difficult to extinguish and capable after ignition of immediately producing volume and heat, and the slower burning pellets being difficult to ignite but when ignited and burned produce increased volume and continue to heat the gases formed over the period necessary to maintain the expansion of said gases, and a hot flash means within the shell for igniting said pellets.

2,299,465
POWER GENERATING UNIT
Roscoe A. Coffman, Pittsburgh, Pa.
Application January 8, 1932, Serial No. 585,594
7 Claims. (Cl. 102—39)



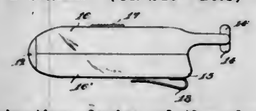
5. A non-explosive power generating cartridge-like unit adapted to be charged into a breech block and comprising a container, a deflagrating non-detonating fuel therein, and a non-detonating igniting means permanently associated therewith, the whole being completely consumable together, said container being weakened at its forward end to permit the same to open when pressure is generated therein, to thereby permit fuel to pass from said container to another point for combustion.

2,299,466
POWER GENERATING UNIT AND IGNITING MEANS THEREFOR
Roscoe A. Coffman, Hollywood, Calif.
Application April 23, 1936, Serial No. 76,059
In Germany February 8, 1935
21 Claims. (Cl. 102—12)



1. In a power generating unit of the character described, a shell, a body of difficultly ignitible deflagrating main fuel of a material of such nature that its rate of burning increases with increase of pressure, a deflagrating kindling fuel associated with said main fuel, a primary igniting means at the base of said shell, and a nitro-cellulose tube lined with tetryl di-chromate associated with said igniting means and extending through the body of main fuel for insuring proper ignition of the fuel charge at the forward end of said shell.

2,299,467
MOUTH-SUPPORTED FLASHLIGHT
Frank J. Colby, Forest City, Iowa, assignor of forty-five per cent to George K. Allen, Estherville, Iowa
Application May 16, 1941, Serial No. 393,807
1 Claim. (Cl. 240—10.6)

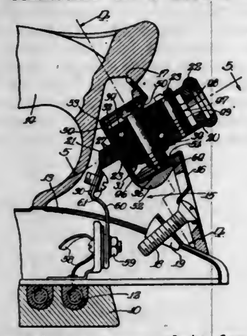


An illuminating device of the character described consisting of a two-part longitudinally split casing, said casing including an electric light bulb and means for energizing the latter, the upper part of the casing having a mouth-piece projected rearwardly therefrom, the adjacent end of the lower part of the casing having a curvature shaped and constructed to form an abutment to engage the lower lip and upper portion of the chin of a user when the mouth-piece is held between the teeth and lips.

2,299,468
SWIVEL CONNECTOR
Kenneth B. Dafforn and Russell I. Huffman, Dover, Ohio, assignors to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application May 7, 1941, Serial No. 392,322
3 Claims. (Cl. 173—324)

1. A swivel connector for an iron cord or the like comprising a three-part body member, each of said parts being formed of insulating material and said parts being assembled in superposed relation, a contact plate embedded in the inner face of each of the outer parts, third and fourth contact plates embedded in opposite faces of the central part, a ball race interposed between one of said first contact plates and said third contact plate, a second ball race interposed between the other of said first contact plates and said fourth contact plate, balls carried by said ball races and electrically bridging said first contact plates with respect to said third and fourth contact plates, means for retaining the foregoing parts assembled comprising a bolt through the center of said contact plates and ball races,

supply and feed electrical connections with said first contact plates and with said third and fourth contact plates, and means for mounting said swivel connector in a socket of an iron

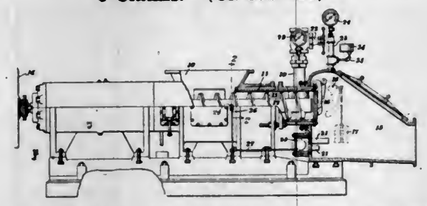


handle comprising a cover plate for the socket having portions extending into the socket and coacting with said bolt on opposite sides of said connector.

2,299,469
TREATMENT OF BITUMINA AND ALLIED SUBSTANCES
Ladislão D'Antal, Budapest, Hungary, assignor to Universal Process (Parent) Company Limited, Westminster, London, England, a British company
No Drawing. Application June 28, 1937, Serial No. 150,863. In Germany July 26, 1935
6 Claims. (Cl. 106—274)

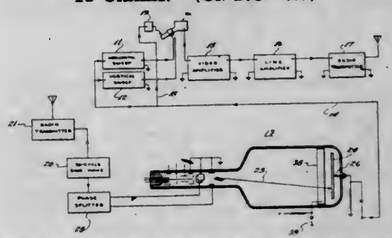
1. A method of treating bitumina and allied substances of asphaltose character including the step of heating the material to be treated, with up to 25% of its weight of a substance of the group consisting of vegetable and animal oils, fats and fatty acids and working up residues thereof, to a temperature of about 250° C. under sufficient pressure to prevent the material escape of sulphur dioxide from the reaction mixture in the presence of a substance of the group consisting of inorganic acids of sulphur containing at least 4 oxygen atoms and their anhydrides, and continuing heating until there is no free acid left in the reaction mass.

2,299,470
CONVEYING APPARATUS
Channing O. Davis, Allentown, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware
Application June 18, 1941, Serial No. 398,561
5 Claims. (Cl. 302—50)



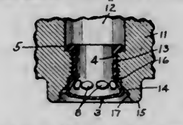
1. An apparatus for conveying pulverulent material of variable density which comprises in combination, a conduit through which the material is advanced, means directing the material to the conduit, pressure applying means within the conduit to advance and compact the material, a motor driving the pressure applying means, a gas injector beyond the point of application of pressure to aerate the material and assist in its flow through the conduit, normally inoperative means to aerate the material prior to its entering the conduit, and means responsive to predetermined pressures in the conduit beyond the point of application of pressure for controlling the operation of the last named aerating means.

2,299,471
METHOD AND SYSTEM FOR TELEVISION COMMUNICATION
Allen B. Du Mont and Thomas T. Goldsmith, Jr., Upper Montclair, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application June 25, 1940, Serial No. 342,196
11 Claims. (Cl. 178—7.7)



1. In the art of television communication, scanning apparatus in the form of a cathode-ray tube having a multiple series of surfaces arranged in a circle, each series differing from the other as to secondary emission, and the surfaces of each series being equally spaced from each other and differently spaced from the spacing of the other surfaces from each other, and means to cause the cathode-ray of said tube to scan said surfaces in a circle.

2,299,472
PORT PROTECTOR
Zerah F. Edmundson, McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 28, 1941, Serial No. 381,058
8 Claims. (Cl. 303—1)

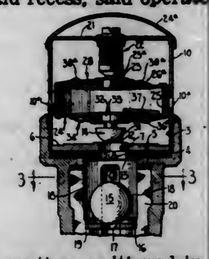


1. A port protector for an atmospheric passage in the body of a fluid pressure brake valve device, comprising, a diaphragm member of larger diameter than that of said passage and having its periphery turned inwardly upon itself, and a resilient fastening means joined to the inwardly turned portion of said diaphragm, said inwardly turned portion having a plurality of apertures therethrough disposed so as to be normally sealed against the body of said valve device and uncovered to permit venting when said diaphragm member is distended by internal fluid pressure.

2,299,473
VALVE
Lewis W. Eggleston, Davison, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application May 15, 1940, Serial No. 335,258
7 Claims. (Cl. 236—62)

1. In a device of the character described, a hol-

low pressure sensitive power element having a flexible end wall adapted to flex upon change in pressure in said element, a carrying member having a recess facing said end wall, said carrying member having an opening therethrough leading from an edge of said carrying member and extending into said recess, an operated member having a portion slidable through said opening and into said recess, said operated member having an end portion positioned in said recess and engageable by said carrying member, and means directly secured to said element for resiliently securing said carrying member to and holding said end portion against said end wall so that said operated member is held against said end wall and is blocked throughout the movement of said end wall by the side wall of said recess from slidable movement out of said opening.

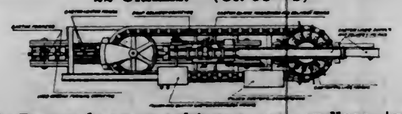


2,299,474

PACKAGING MACHINERY

Harry L. Evans, Newport, R. I., assignor to United States Automatic Box Machinery Co., Inc., Roslindale, Mass., a corporation of Massachusetts

Application November 29, 1939, Serial No. 306,600
22 Claims. (Cl. 93—3)



1. In package machinery, an endless track circuit, former block devices movable around said circuit, first and second continuously driven conveyers spaced end to end within said track circuit, each conveyer and said former block devices having cooperative means for automatically coupling and uncoupling the latter relative to the former whereby said former block devices are successively spaced a maximum distance apart in connection with the first conveyer and a minimum distance apart in connection with the second conveyer, means for automatically transferring the former block devices from one conveyer to the other, means for delivering container forming material for engagement by former block devices as moved by the first conveyer, and means bordering the path of movement of the former block devices along the track circuit for forming the container material upon and around the same.

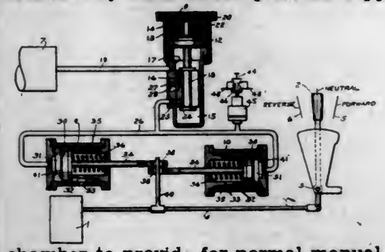
2,299,475

AUTOMATIC TRANSMISSION CONTROL

George C. Farmer, Chicago, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 4, 1941, Serial No. 381,670
12 Claims. (Cl. 192—4)

4. The combination with an automatic power transmission device operative to transmit power from a propulsion motor to the wheels of a vehicle and selector means normally adjustable manually to different drive positions to condition said device to provide different drive connections between said motor and wheels and to a neutral position for neutralizing said transmission device so as to disconnect said motor from said wheels, said vehicle having a brake system including a reservoir from which fluid under pressure is adapted to be drawn to apply the brakes on said vehicle, of automatic means conditionable by fluid under pressure supplied to a chamber to provide for normal manual adjustment of said selector means, spring means operative upon release of fluid under pressure from said chamber to actuate said automatic means to adjust said selector means to said neutral position, means controlled by the pressure of fluid in said reservoir and operative when the reservoir pressure equals or exceeds a chosen degree to supply fluid under pressure to said chamber and when less than said chosen degree to release fluid under pressure from said chamber.

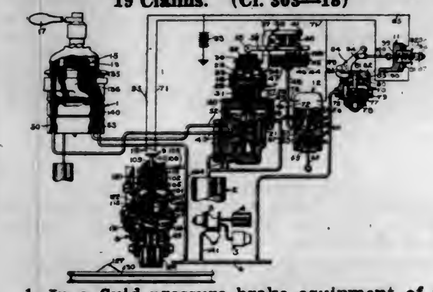


2,299,476

BRAKE CONTROL MEANS

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application May 28, 1941, Serial No. 395,554
19 Claims. (Cl. 303—18)



1. In a fluid pressure brake equipment of the type comprising a normally charged brake pipe, means operative upon a reduction in brake pipe pressure for effecting an application of the brakes and operative upon a subsequent increase in brake pipe pressure for effecting a release of the brakes, means operative in accordance with a track indication for effecting a reduction in brake pipe pressure and manually operative means for effecting a reduction in brake pipe pressure, in combination, electrically controlled means automatically operative upon the operation of either of said brake pipe pressure reducing means for preventing the recharge of the brake pipe with fluid under pressure, and means for manually operating said electrically controlled means to permit the recharge of the brake pipe with fluid under pressure.

2,299,477

HALOGENATION OF DIOLEFINS HAVING CONJUGATED DOUBLE BONDS

George W. Hearne, Berkeley, and Donald S. La France, Walnut Creek, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 30, 1939, Serial No. 302,026
10 Claims. (Cl. 260—654)

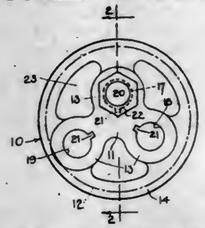
8. In a process for effecting the halogenation of an aliphatic conjugated double bond diolefin to a corresponding dihalo mono-olefin by reacting the diolefin with a halogen of the group consisting of chlorine and bromine in an amount insufficient to effect complete saturation of the diolefin, the method of inhibiting the formation of saturated halogenated products which comprises effecting the halogenation reaction in the initial and continuous absence of a liquid phase in the reaction zone maintained throughout at a temperature sufficiently high to preclude the formation of a liquid phase therein but below the temperature at which substantial halo-substitution of the diolefin occurs.

2,299,478

WINDING DRUM AND THE LIKE

Frederick H. Hoge, Oak Park, and Joseph A. Mariand, La Grange, Ill., assignor to W. A. Jones Foundry & Machine Company, Chicago, Ill., a corporation of Illinois

Original application May 11, 1940, Serial No. 334,544. Divided and this application November 14, 1941, Serial No. 419,100
4 Claims. (Cl. 242—117)



1. As a new article of manufacture, a drum for the purpose specified, comprising a cylindrical drum, there being a plurality of shaft receiving openings in the body of the drum, said openings being located at different positions of eccentricity with respect to the transverse axis of the drum cylinder, substantially as described.

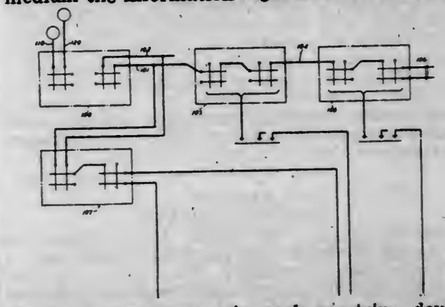
2,299,479

SIGNALING SYSTEM

William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 26, 1941, Serial No. 390,457
5 Claims. (Cl. 179—18)

1. In combination, a group of sending devices, a group of receiving devices, means for registering information in said sending devices, a common signaling medium permanently connecting each of said sending devices with all of said receiving devices, means for seizing said sending devices for use, means for causing each sending device taken in use to seize an idle one of said receiving devices, means for producing a group of impulses in each one of a succession of time periods, said group comprising impulses of a plurality of phases, said impulse periods representing, respectively, said receiving devices, means for sending over said signaling medium from the sending devices to the receiving devices impulses of said plurality of phases in each of the time periods representing a seized receiving device for the purpose of transferring over said medium the information registered in all sending devices in use, means in each receiving device for selecting the phase impulses in the period representing such receiving device, and means in each receiving device responsive to the phase impulses selected for registering the information transferred from the sending device that seized said receiving device.

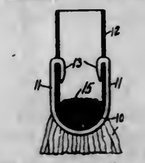


2,299,480

MOPHEAD

Robert L. Horsley, Memphis, Tenn.

Application March 4, 1940, Serial No. 322,049
1 Claim. (Cl. 15—147)



In a mop head comprising a metal cylindrical member adapted to receive a handle in one end thereof, mop material, and a wire loop in which the mop material is held and secured under pressure against the opposite end of said member, the end portions of said loop lying along the exterior of the wall of said member and having pointed extremities extending through the wall of said member into the interior thereof, said pointed extremities being bent over against the inner surface of said member to secure them in said member, the wall of said member being readily penetrated by the pointed extremities of said wire loop, whereby said extremities of the loop can penetrate said member at any desired point depending upon the amount of pressure imposed on the mop material in securing the latter between said loop and member.

2,299,481

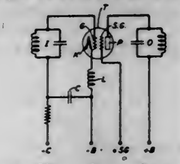
NEUTRALIZING SYSTEM

Sven G. Johansson, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application March 26, 1940, Serial No. 325,939
5 Claims. (Cl. 179—171)

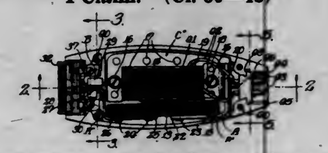
3. A device for eliminating detuning of tuned circuits coupled by an electron discharge device comprising two circuits tuned to the same resonant frequency and having an effective resistance, an electron discharge device coupling said two resonant circuits, an input and an output

circuit therefor including a portion common to both circuits, and an inductance connected in the common portion of such magnitude as to



reduce the coupling impedance between said tuned circuits below the effective resistance thereof.

2,299,482
ELECTRIC SHAVER
Rudolph Knopp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application January 6, 1941, Serial No. 373,345
1 Claim. (Cl. 30—43)



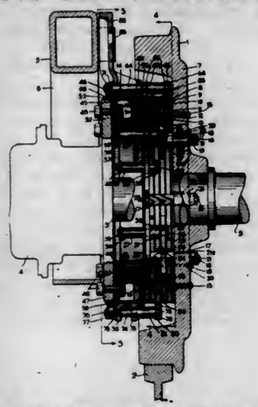
In a vibratory motor having a casing, an armature and an actuator operatively connected with said armature, said casing having a pair of grooves adjacent said actuator opening toward each other and provided with sockets at their ends, and bumpers of rubber like material received in said grooves and having projections into said sockets.

2,299,483
PROCESS OF BUILDING UP CHROMIUM AND CHROMIUM ALLOYS AND FOR PREPARING ELECTRODES THEREFOR
Heinrich Friedrich August Lübbe and Erich Kruppa, Berlin, Germany; vested in the Alien Property Custodian
No Drawing. Application August 16, 1939, Serial No. 290,494. In Germany August 18, 1938
4 Claims. (Cl. 219—8)

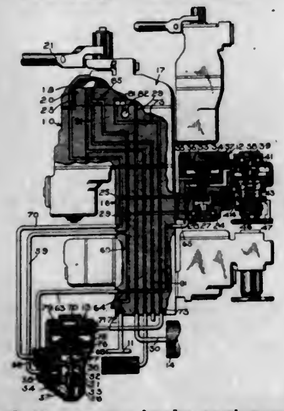
1. A process of producing firmly adhering metal coatings of chromium compounds resistant to wear on articles of any kind by welding which comprises melting onto the articles a chromium electrode by electric arc welding in the presence of a gaseous compound of an element selected from the class consisting of carbon, nitrogen, boron and silicon and simultaneously transforming the melted off part, wholly or partially, into a chromium compound of said element.

2,299,484
TRUCK BRAKE MECHANISM
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 28, 1940, Serial No. 342,927
19 Claims. (Cl. 188—153)

1. A disk brake mechanism for a wheel of a railway vehicle truck, comprising, a pile of interleaved annular rotatable and non-rotatable friction brake elements arranged in coaxial relation and operative upon frictional interengagement to effect braking of said wheel, means securing the rotatable brake elements to said wheel for rotation therewith, an annular brake cylinder device disposed at one end of said pile in coaxial relation therewith and comprising a stationary part and a movable part, said movable part being operative upon supply of fluid under pressure to a chamber formed between said parts to press said pile of brake elements into frictional interengagement to effect braking of said wheel, a plurality of members arranged around said movable part in spaced relation with respect to each other carrying the non-rotatable brake elements and securing same against turning relative to said movable part, and means securing said movable part against rotation.

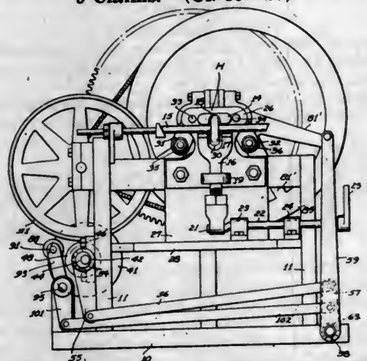


2,299,485
FLUID PRESSURE BRAKE
Charles H. McKinstry, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 28, 1941, Serial No. 381,009
11 Claims. (Cl. 303—59)



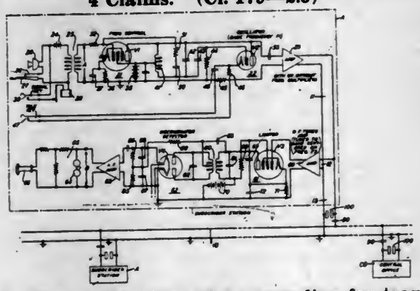
1. In a fluid pressure brake equipment including a brake pipe, a brake valve device and a feed valve device having a pressure responsive regulating means and a fluid supply passage, in combination, control valve means having a normal position for maintaining communication between said regulating means and said brake pipe, and another position for establishing communication between said fluid supply passage and said regulating means, and fluid pressure actuated means operative upon an increase in the pressure of fluid supplied upon movement of said brake valve device to emergency position for shifting said control valve means from the normal position to said other position.

2,299,486
CHAIN LINK FORMING MACHINE
Robert S. Miller, Portland, Oreg., assignor to Pacific Chain and Manufacturing Company, Portland, Oreg., a corporation of Oregon
Application November 22, 1941, Serial No. 420,091
9 Claims. (Cl. 59—27)



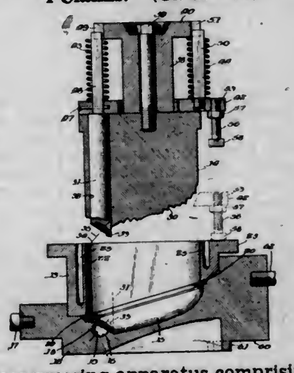
1. A chain link forming machine comprising an elongate form, a support for said form, means for holding a substantially straight bar adjacent one side of said form longitudinally with respect thereto, a pair of cranks mounted for rotation about parallel axes adjacent the opposite ends of said form, means on said cranks for engaging with the opposite ends of said bar on the opposite sides thereof with respect to said form, means for driving said cranks in opposite directions about the opposite ends of said form, and separate control means for individually controlling the said driving means for each of said cranks.

2,299,487
ELECTRIC WAVE TRANSMISSION SYSTEM
Hilbert R. Moore, Pluckemin, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 3, 1941, Serial No. 391,657
4 Claims. (Cl. 179—2.5)



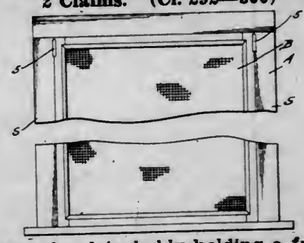
1. The combination of a power line for transmitting electric power, a plurality of telephone stations coupled to said power line, each of said stations adapted to transmit on a first high frequency electric wave and to receive on a second high frequency electric wave, means at each station to generate said first high frequency electric wave and to frequency modulate the electric wave in accordance with voice frequency currents corresponding to sound waves, means at each station tuned to a frequency band centered on said second high frequency electric wave and adapted to demodulate an incoming frequency modulated electric wave of said second frequency, a relay telephone station coupled to said power line, means at said relay station tuned to a frequency band centered on said first high frequency electric wave and adapted to demodulate a frequency modulated electric wave of said first frequency, and means at said relay station to generate said second high frequency electric wave and to frequency-modulate it in accordance with the demodulation components of the frequency modulated electric wave incoming to the relay station.

2,299,488
MEANS FOR FORMING LENSES
James A. Morehead, Huntington, W. Va., assignor to Samuel M. Dover, Chicago, Ill.
Application December 21, 1938, Serial No. 247,083
4 Claims. (Cl. 49—72)



1. Glass pressing apparatus comprising a mold, a mold ring fitting thereinto, and a plunger movable through the ring into the mold, said ring having a thin plunger receiving metallic wall, heat insulating means substantially surrounding the thin wall, and said ring including a metallic backing for said thin wall joined therewith through the heat insulating means.

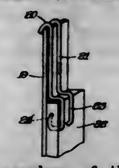
2,299,489
SCREEN FASTENER
Harvey A. Mundinger, Stevenson, Wash., assignor of one-half to Roscoe M. Wright, Stevenson, Wash.
Application September 13, 1941, Serial No. 410,775
2 Claims. (Cl. 292—300)



1. Means for detachably holding a frame in a window frame comprising a plate fastened to the inner edge of the outer trimming strip on the window at the upper end thereof, a tongue on said plate extending over the plate and slightly spaced

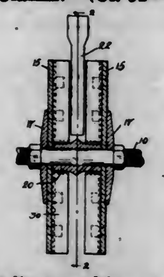
therefrom, a plate connected to the upper end of the side edge of the first frame, a tongue connected with the last-mentioned plate and extending over portions of the plate and spaced therefrom, the tongue of the second-named plate extending under the tongue of the first-named plate when the first frame is placed between the strips and pushed upwardly, a lip formed on the plate of the first frame at the outer edge thereof and extending outwardly at right angles from the plate with the free edge of the tongue of said plate spaced from the lip.

2,299,490
SPRING CLIP
Charles Georg Newman, Chicago, Ill., assignor to C. W. Willey, Chicago, Ill.
Application November 22, 1940, Serial No. 366,523
1 Claim. (Cl. 24—261)



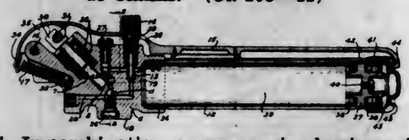
A spring clip member of the class described having a substantially U-shaped hook member at one end, an offset portion in the body portion thereof, said offset portion being substantially equal to the thickness of a backing member and giving longitudinal resilience to said clip, the portion between said offset portion and said hooked portion being adapted to engage the back of said member to be retained by said clip member, and impaling means at the end opposite to said hook member, said impaling means being provided with bent-over portions pressed into a backing member.

2,299,491
MECHANICAL PROJECTING APPARATUS
Nelson J. Quinn, Toledo, Ohio, assignor, by mesne assignments, to Quinnex Corporation, Toledo, Ohio, a corporation of Delaware
Application November 2, 1936, Serial No. 108,802
Renewed August 5, 1938
20 Claims. (Cl. 51—9)



12. In an abrading machine, a disk-like member mounted for rotation at high speed in a substantially vertical plane, a plurality of abrasive propelling blades mounted on said member terminating short of the axis of rotation of said member, an abrasive guiding device fixed to rotate with said member and positioned in close proximity to the inner ends of said blades without intervening obstruction, said guiding device having a portion extending beyond the adjacent side edge of said blades, and a downwardly extending abrasive feed conduit having a discharge end arranged to deposit abrasive upon the upper arc of rotation of that portion of the abrasive guiding device which extends beyond the adjacent side edge of said blades, said guiding device being operative to intercept the abrasive as it leaves the feed conduit and guide the abrasive onto the inner ends of said blades during the upper arc of rotation thereof whereby to concentrate the abrasive thrown by said blades in a generally downward direction.

2,299,492
PUMP ASSEMBLY
Edward M. Pfauser, Elm Grove, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application May 29, 1941, Serial No. 395,768
15 Claims. (Cl. 103—41)



1. In combination, a pump casing having a displacement chamber therein, a displacement member reciprocable in said chamber, an elongated supply reservoir projecting from said casing and being communicable with said chamber, a pump displacement member actuating lever pivotally attached to said casing and extending in the same general direction as said reservoir to urge said member in one direction, and means constantly tending to urge said lever away from said reservoir.

2,299,493
REINFORCED PLASTIC BUTTON
Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application March 24, 1941, Serial No. 385,020
1 Claim. (Cl. 24—90)



A reinforced plastic button including a plastic head together with a hub, the said hub provided with an axial bore to receive the prong of a fastener of slightly greater diameter than the diameter of the bore, a metal ferrule substantially encasing the distal end of the hub and the side walls of the ferrule being embedded slightly below the surface of the walls of the hub at a point slightly remote from the distal end, the said side walls of the hub also extending well up into the hub and about a plane where the hub merges with the body of the button, the said ferrule having an opening in its bottom registering with the bore in the hub, and the metal ferrule adapted to strengthen the bottom end of the hub as well as the side walls of the hub and prevent the latter from cracking during the driving of a fastening member into the bore of the button head.

2,299,494
PLASTIC BUTTON
Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application May 1, 1941, Serial No. 391,396
2 Claims. (Cl. 24—101)

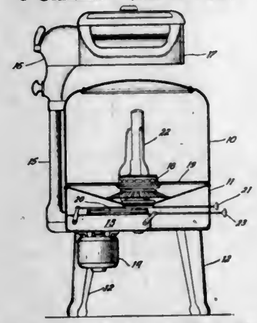
1. The combination of a plastic button having

a hub provided with a fluted bore, the flutes being in the form of a helix extending in the one direction—together with a fastener having a fluted shank provided with flutes in the form of a helix and extending in the opposite direction



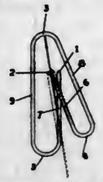
whereby the plastic cut in the ridges of the helix by the entrance of the fastener within the bore will pass between the ridges of the flutes in the bore and thus prevent the button from cracking during the driving of the fluted shank within the said bore.

2,299,495
DUAL AGENCY WASHER
William Rocke, South Bend, Ind.
Application September 1, 1939, Serial No. 292,973
5 Claims. (Cl. 68—53)



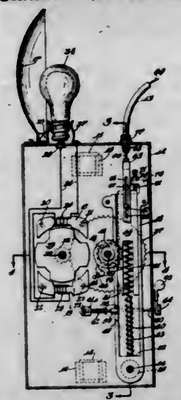
1. In a fabric washing machine the combination of a tub, said tub being divided into a washing compartment and a sump by a perforate partition, a hollow agitator post mounted centrally within the tub having a water intake opening connected with the sump and a circular discharge orifice leading into the washing compartment above and adjacent to the perforate partition, an agitator mounted on the post above the circular discharge orifice, an impeller pump mounted within the tub below the partition having a water intake connected with the sump and a discharge through the agitator post orifice, means to drive the pump at high rotational speed, and gear mechanism to oscillate the agitator, whereby dual mechanical and fluid washing means is provided.

2,299,496
LOCKING PAPER CLIP
Cornelius A. Rolfson, Portland, Oreg.
Application March 29, 1941, Serial No. 385,929
3 Claims. (Cl. 24—66)



1. A paper clip made of a single piece, said clip having a reverse bend intermediate its ends, and the legs thus formed each having a loop disposed therein, with the terminal ends of the legs thus formed having offsets disposed therein, with the leg rearwardly from the offset being deformed on the side upon which the offset is disposed, and the angle of the adjacent legs from the central loop disposed between the ends forming an acute angle.

2,299,497
BULB FLASHING DEVICE FOR PHOTOGRAPHIC PURPOSES
Adolph H. Rosenthal, New York, N. Y.
Application March 1, 1941, Serial No. 381,239
2 Claims. (Cl. 67—29)

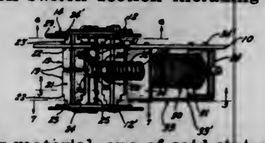


2. In a bulb flashing device for photographic purposes, an induction-type generator for producing an electric current impulse for flashing a photo-flash-bulb, said generator comprising a stationary soft-iron core and an induction coil on it and a permanent magnet rotor, contacts accessible from the outside for exchangeably holding a photo-flash-bulb and electrically connected with said coil, a member slidably arranged in a guiding path, said member having a rest position and another operative position adjusted for actuating a camera-shutter release, a step-up gear operatively connected with said member and said rotor so as to rotate said rotor almost instantaneously for a plurality of revolutions at a high rate of angular velocity and produce an electric induction current, a spring associated with said member so as to be tensioned in said resting position of said member and tending to move the latter to its operative position, manually operable means for restoring said member to its rest position and thereby tensioning said spring, manually operable means for locking said member in said rest position and thereby said spring in its tensioned state and for releasing said member whereupon said member and thereby said rotor are driven simultaneously by said tensioned spring so that said generator produces an electric impulse for flashing a bulb and said member is moved into its said operative position where it can actuate a camera-shutter release in predetermined timed relation to said flash.

2,299,498
SWITCH MECHANISM
Harry W. Rubinstein and Herbert L. Zimmerman, Milwaukee, Wis., assignors to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application October 9, 1939, Serial No. 298,590
4 Claims. (Cl. 200—11)

1. A switch mechanism of the character de-

scribed comprising a mounting plate having bearing openings, a shaft rotatably supported in said bearing opening and projecting beyond both sides of said plate, an H-frame made up of a pair of U-shaped sections secured together with their body portions back to back, the legs of one of said sections being engaged with and fastened to the mounting plate, the body portions of the sections having alined bearing openings providing an outboard bearing for said shaft, a pair of switch sections, each switch section including a stator of



insulating material, one of said stators being engaged with and secured to the ends of the legs of one of said sections of the frame, the other being engaged with and secured to the ends of the legs of the other section of the frame, each of said switch sections also including a rotor disposed within the confines of its stator and rotatively coupled to said shaft, cooperable contact clips and contact members carried by the stator and rotor of each switch section, and means for imparting a step-by-step movement to said shaft.

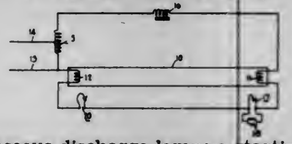
2,299,499

PROTECTIVE DEVICE FOR FLUORESCENT LAMP CIRCUITS

Selden Bradley Sanford, Yonkers, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application April 5, 1941, Serial No. 386,969

12 Claims. (Cl. 176—124)



1. A gaseous discharge lamp; a starting circuit for said lamp; starting means for controlling said starting circuit to cause upon application of voltage to said lamp heating of the lamp electrodes and thereafter the application of voltage across the electrodes sufficient to light said lamp; and protective means operable to open said starting circuit in the event the lamp does not light in response to repeated operation of said starting means.

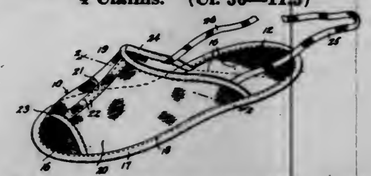
2,299,500

SANDAL

Philip A. Sawyer, Hasbrouck Heights, N. J.

Application February 14, 1942, Serial No. 430,846

4 Claims. (Cl. 36—11.5)



4. In a sandal, a sole composed of layers of fabric material including an outer water resistant ply, an inner ply and superposed intermediate plies of absorbent material, said inner and intermediate plies being stitched together to provide a quilted construction and which is unsecured with reference to the outer ply in the region of the quilted portion, an upper composed of a woven fabric material conforming to and adapted to engage the fore-part of the foot in the region of the instep, a binding surrounding the edges of the sole and overlying the outer face of the outer ply and the upper face of the upper adjacent the edges thereof, stitching engaging through said overlying portions of said binding and through said upper and the plies of the sole securing the same together adjacent the edges thereof, and means carried by the upper and adapted to engage about the heel of the wearer for retaining the sandal on the foot.

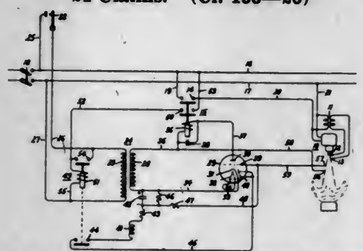
2,299,501

CONTROL SYSTEM

Elbert D. Schneider, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application March 1, 1941, Serial No. 381,286

21 Claims. (Cl. 158—28)



1. A control system for an electrically operated device including an electric discharge device having an anode, a cathode and a control electrode, a condition responsive device, means including said condition responsive device and said electric discharge device for initiating operation of said electrically operated device, means for producing a unidirectional biasing voltage on said control electrode at a predetermined rate so that after a predetermined time delay a lowering of current flowing through said discharge device to a predetermined value will cause said electrically operated device to be deenergized, means for preventing actuation of said control electrode potential changing means until operation of said electrically operated device is initiated, and means responsive to a predetermined normal condition of operation of said electrically operated device for overcoming said biasing voltage so that said electrically operated device will remain energized when said predetermined normal condition of operation obtains before the expiration of said predetermined time delay.

2,299,502

INTERNAL MIXER

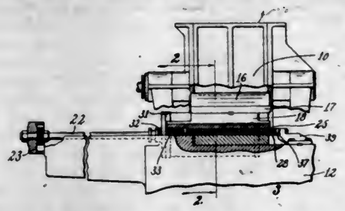
Carl F. Schnuck, New Haven, and Oliver W. Hooker, Shelton, Conn., assignors to Farrel-Birmingham Company, Incorporated, Ansonia, Conn., a corporation of Connecticut

Application January 29, 1942, Serial No. 428,712

17 Claims. (Cl. 18—2)

14. In a mixing device, a chamber having a bottom discharge opening, a closure member horizontally movable to close said opening, and means to move said member upwardly to effect close engagement of said member with the adjacent parts of the chamber, said device being provided with a slideway upon which said member moves, said means comprising a pair of gibs carried by said member between it and said way,

one of said gibs being fixed to the member and the other being movably carried by the member,



and said gibs being of saw-tooth formation on their engaging surfaces.

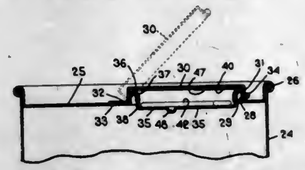
2,299,503

CONTAINER

Harry Sebell, Newton, Mass., assignor of one-half to Arthur H. Parker, Lexington, Mass.

Application January 8, 1940, Serial No. 312,807

2 Claims. (Cl. 220—27)



1. A container comprising a body portion, an end member permanently secured thereto, said end member having a pouring opening surrounded by an upstanding curb, a closure member for said pouring opening having a peripheral depending skirt which encircles and frictionally fits said curb, a sealing disk having an upstanding peripheral wall tightly fitting within the upstanding curb of the pouring opening and sealing the latter, said disk having a tear-out portion extending from said upstanding wall toward the center thereof and defined by a U-shaped line of weakness having its ends terminating in spaced relation adjacent the upstanding wall, and a key member having a portion secured to the tear-out portion and extending the length thereof, and also having a handle portion offset from the other portion of the key, said key providing means to tear the tear-out portion from the disk, thereby loosening the latter in the pouring opening so that it can be removed.

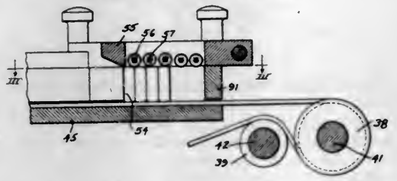
2,299,504

WRAPPING MACHINE CONVEYER AND FEED MECHANISM

Walter Haynes Sergent, Middletown, N. Y., assignor to Ideal Wrapping Machine Company, Middletown, N. Y., a corporation of New York

Original application August 15, 1938, Serial No. 224,932. Divided and this application November 25, 1940, Serial No. 366,984

7 Claims. (Cl. 198—24)



1. In a machine having an intermittently moving belt for carrying objects on edge to a position from which they are pushed laterally off the belt in groups, a drag means above the belt at said position, said drag means comprising a plurality of yieldably mounted rollers projecting into the path of said objects.

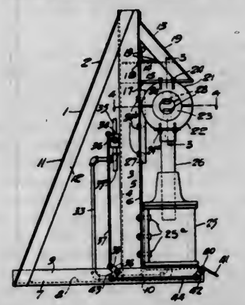
2,299,505

SPRING SIZING MACHINE

Charles H. Shaffer, Lancaster, N. Y.

Application May 19, 1941, Serial No. 394,180

8 Claims. (Cl. 140—89)



1. In a coil spring sizer, the combination of a stationary segmental die, a movable segmental die, means for actuating said movable segmental die toward and away from said first named die, a plurality of spaced teeth on one of said dies staggered with respect to a plurality of oppositely disposed and spaced teeth on the other of said dies the teeth on both dies being of graduated height so that they may successively enter between coils of a spring.

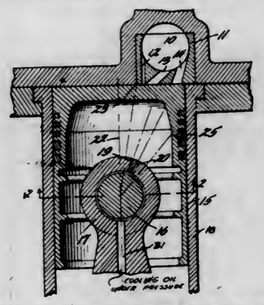
2,299,506

PISTON COOLING

Richard H. Sheppard, Hanover, Pa.

Application January 15, 1942, Serial No. 426,903

7 Claims. (Cl. 123—176)



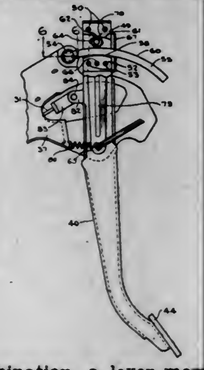
1. A connecting rod for use with a piston for a Diesel engine cylinder in which the jets from the combustion chamber discharge into the cylinder to one side of a plane passing through the piston and wrist pin axes, characterized by the provision of oil discharge means in the head of the connecting rod, directed so as to spray cooling oil under pressure against the inside of the piston crown in a path at right angles to said plane and in the direction of said fuel jets, whereby the piston crown is cooled directly under the combustion chamber and minimizes unequal piston expansion due to unequal distribution of heat in the piston crown.

2,299,507
CELL COVER FOR STORAGE BATTERIES
Ralph G. Simms, Medford, and Paul J. Harriman, Newton, Mass., assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 5, 1941, Serial No. 401,064
1 Claim. (Cl. 136—178)



A cell cover structure for storage batteries, said structure comprising a cover having a filling opening adapted to receive and retain a vent plug, said cover having an annular skirt depending therefrom about the opening to the desired level of the electrolyte, said skirt being formed with an inwardly projecting rim integral with the cover and defining an opening smaller than the skirt, a flange support for a valve located on said skirt below said rim and providing an opening smaller than the skirt, said skirt having a side opening providing communication between the gas space outside the skirt and the space within the skirt between said rim and said support, a collapsible tubular valve member of resilient rubber-like material normally resting on said support and seated against said rim to prevent communication from said side opening to the atmosphere when the plug is removed from the filling opening, said valve comprising a bellows-like circumferentially corrugated body, and an outwardly directed flange having a diameter larger than the opening defined by said rim and adapted to be forced through said opening under distortion and to recover its shape therebelow to provide a seal against said rim, and a vented plug adapted to be secured in said filling opening and having means extending through the opening defined by said rim when the plug is in place and depressing said valve by engagement with its flange to establish communication between said gas space and the atmosphere through said plug.

2,299,508
MECHANISM CONTROL
Willard C. Skareen, Toledo, Ohio, assignor to The Bingham Stamping Company, Toledo, Ohio, a corporation of Ohio
Application September 7, 1940, Serial No. 355,717
10 Claims. (Cl. 74—531)



1. In combination, a lever member formed of sheet metal and of the first order of levers adapted to be fulcrumed to a suitable support and connected to the mechanism to be operated; a bar provided with a clutching surface; parallel projecting side wall portions straddling said bar integrally formed on said lever member; clutch means carried by said spaced parallel side walls including a clutch roller cooperatively associated therewith having interconnection with the clutching surface of said bar to hold said lever in a fixed position; an arm pivotally carried by said lever member and arranged to engage said clutch roller; and means connected to said arm substantially in alignment with the fulcrum of said lever member manually operable from a remote position to effect the release of said lever.

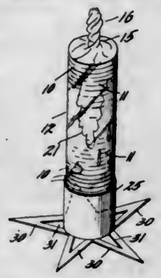
2,299,509
PLASTIC PRODUCT
Chester Snyder, Yonkers, N. Y., assignor to Liatex Corporation, New York, N. Y., a corporation of New York
No Drawing. Application September 23, 1939, Serial No. 296,225
8 Claims. (Cl. 260—27)

1. A plastic composition, comprising sulphur dichlorhydrin plastic, and a gum obtained from a tree in the family Sapotaceae of the genus Mimusops.

2,299,510
DELAY SCREEN MATERIAL AND METHOD OF MAKING THE SAME
Albert Steadman, Nutley, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
No Drawing. Application January 24, 1941, Serial No. 375,766
12 Claims. (Cl. 250—81)

1. The process of producing delay-screen material that is of white fluorescence under cathode ray bombardment, which comprises activating the reaction products of silica and a calcium compound, said calcium compound being of a character which leaves a residue of calcium oxide when subjected to heat, to produce blue fluorescent material and yellow fluorescent material, respectively, and blending the two materials.

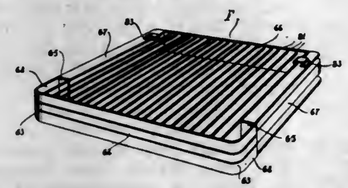
2,299,511
CANDY PACKAGE
Irene Pecheur Steiner, Kew Gardens, N. Y.
Application April 19, 1941, Serial No. 389,433
5 Claims. (Cl. 99—180)



1. In combination, a plurality of circular disks of candy, a wrapper centrally transparent in part to encase the disks as a roll, one end of the wrapper being folded tightly against one end disk to form a base and the other wrapper end being brightly colored and twisted to form a flare simulating a flame beyond the opposite end disk,

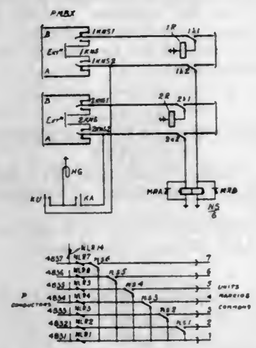
a sleeve freely slidable on the wrapped roll, and a plurality of projecting portions extending from the sleeve toward the base closely adjacent the roll when the sleeve is in mid-position but bendable so as to extend radially outward as supporting feet when the sleeve has been moved downwardly with its lower margin in alinement with the base.

2,299,512
REFRIGERATOR SHELF
Enoch Swedman and Henning G. Bergman, St. Paul, Minn., assignors to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application April 19, 1940, Serial No. 330,522
4 Claims. (Cl. 211—151)



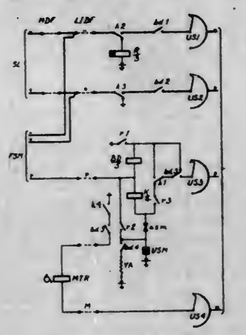
1. A refrigerator shelf comprising a front frame strip, rearwardly extending side portions on said front frame strip, a transversely extending rear frame strip, supporting means connecting said front and rear frame strips, and opposed channels extending between the rearwardly extending side portions of said front frame strip and the ends of said rear frame strip.

2,299,513
TELEPHONE OR LIKE SYSTEM
Reginald Tayler, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application April 26, 1941, Serial No. 390,511
In Great Britain June 6, 1940
8 Claims. (Cl. 179—27)



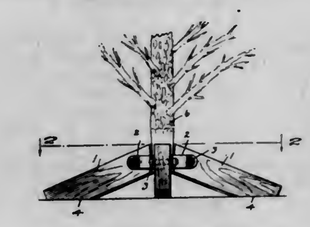
1. In a telephone system, an exchange, a line outgoing from said exchange, automatic line identification equipment at said exchange, means normally connecting said line to said identification equipment in a way indicative of a particular directory number, and remotely controlled means for altering the way said line is connected to said equipment, thereby to cause said line to be connected to said equipment in ways indicative of different directory numbers at different times.

2,299,514
TELEPHONE SYSTEM
Reginald Taylor, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application April 26, 1941, Serial No. 390,512
In Great Britain June 19, 1940
5 Claims. (Cl. 179—18)



1. In a telephone system, a line circuit, a rotary switch individual thereto with wipers having access to a plurality of lines, said switch having no normal position its wipers remaining in connection with the line last seized, an operating magnet for said switch, a line relay and an auxiliary relay therefor, said line relay operated in response to initiation of a call over said line circuit to complete an energizing circuit for said magnet independent of the busy or idle condition of the line on which the wipers stand, a multiple circuit for said auxiliary relay and said magnet completed at the same time, said auxiliary relay normally short circuited in said circuit, means operated by the energization of said magnet to open said short circuit to thereby cause energization of said auxiliary relay, said relay when operated causing deenergization of said magnet and consequent movement of the wipers to the next line accessible thereto.

2,299,515
CHRISTMAS TREE HOLDER
Christian Trabing, Baltimore, Md.
Application December 8, 1941, Serial No. 422,053
1 Claim. (Cl. 248—44)



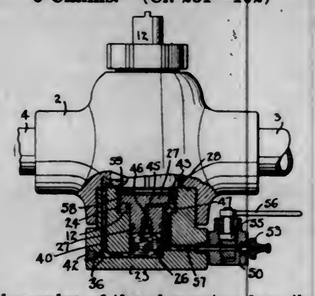
A tree holder comprising a plurality of legs each having its inner end cut on an angle to fit snugly against a tree, and their outer ends cut on an angle to rest evenly on a floor, the outer end of the legs being provided with vertical apertures, bowed springs yieldingly connecting the inner ends of said legs, and bolts to hold the bowed springs to the said legs and on which the legs move.

2,299,516
METHOD OF MAKING SHOE WELTING
William C. Vizard, Brockton, Mass., assignor to Barbour Welting Company, Brockton, Mass., a copartnership composed of Perley E. Barbour, Walter G. Barbour, and Richard H. Barbour
Application May 13, 1942, Serial No. 442,777
4 Claims. (Cl. 12—146)



1. The method of making platform welting of the character described, which consists in forming a relatively narrow and deep, longitudinal groove in the flesh part of a fillet of grain leather, adjacent the center thereof, forming a relatively wide and deep channel in said flesh part along one longitudinal margin of the fillet, thereby to provide a thin central hinge portion and a thin marginal flap of grain stock, a longitudinal core of flesh stock between said groove and said channel and a thick body portion along the opposite margin of the fillet, folding the fillet on said hinge portion so that the core rests edgewise on top of the body, and pressing and cementing said marginal flap onto said body along the sewing edge of the welt.

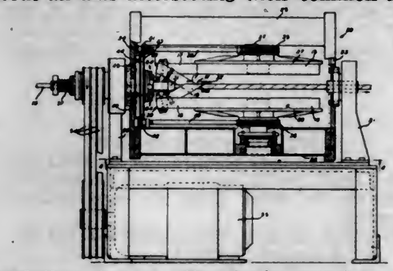
2,299,517
COUNTERPRESSURE CONTROL FOR PLUG VALVES
Alexander S. Volpin, Houston, Tex., assignor to Mission Manufacturing Company, Houston, Tex.
Application February 10, 1940, Serial No. 318,248
6 Claims. (Cl. 251—102)



1. A plug valve of the character described comprising a housing and a plug member, a counter pressure groove about the port through the valve housing, and a differential pressure device carried by said valve to exert a counter pressure in said groove to assist in balancing the pipe line pressure on said plug to facilitate movement of the plug, said device including a differential piston to compound the line pressure, and means to conduct such compounded pressure to said groove.

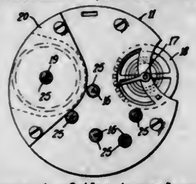
2,299,518
STRAND HANDLING APPARATUS
Lorentz G. Wade, Westfield, and Daniel V. Waters, Flemington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 13, 1942, Serial No. 426,544
8 Claims. (Cl. 57—15)

1. In an apparatus for serving two tapes simultaneously on a longitudinally advancing core, two tape supply supports revoluble about the advancing strand and independently rotatable each about an axis intersecting their common axis of



revolution, two coacting brake members rotatable about the said axis of revolution, and means to connect each brake member to one tape supply support to be rotated by the rotation thereof.

2,299,519
CLOCK
Richard H. Whitehead, New Haven, Conn., assignor to The New Haven Clock Company, New Haven, Conn., a corporation of Connecticut
Application July 18, 1940, Serial No. 346,070
6 Claims. (Cl. 58—104)



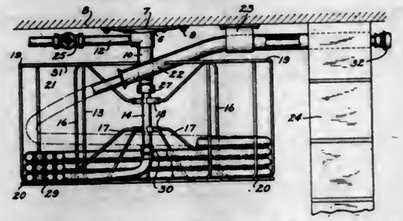
1. An instrument of the type having the pivots of a gear train mounted in bearing supporting plates, having the supporting plates made of an aluminum metal, said aluminum being chemically surface hardened over the surface of the bearing holes in the piece at the bearing surfaces, whereby there is provided a bearing surface comparable or superior to the customary jeweled bearings, said bearing surface being immediately surrounded by the tough unhardened material integral with it.

2,299,520
METHOD OF MAKING EXTENSIBLE CONDUIT
William P. Yant, Pittsburgh, Pa., assignor to Mine Safety Appliance Company, Pittsburgh, Pa.
Application February 28, 1940, Serial No. 321,181
11 Claims. (Cl. 18—56)



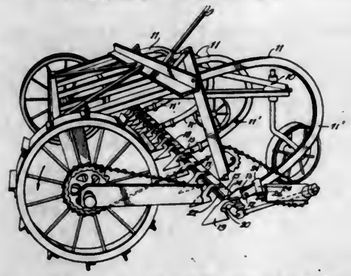
1. A method of making a conduit of formable material and containing an extensible means integrally formed in the wall of the conduit, comprising the steps of molding formable material to provide a conduit with the extensible means disposed in a longitudinally extended position relative to its normal position, partially curing the material, disposing the extensible portion in its normal position, and retaining the portion in this position while completing curing of the material.

2,299,521
HOSE REEL
Frank P. Zierden, St. Francis, Wis.
Application March 17, 1941, Serial No. 383,675
10 Claims. (Cl. 299—78)



1. In combination, a fixed hollow upright support, a rotary basket having a hollow supporting spindle journalled in said support and also having a wire frame secured to said hub and providing an upwardly open deep annular recess concentric with the axis of said support, means for detachably connecting the inlet end of a flexible hose to said spindle in communication with the interior of said support, and a fixed elongated tubular hose guide disposed directly above said recess and formed to direct the hose tangentially and downwardly at an oblique angle into the upper open end of said recess.

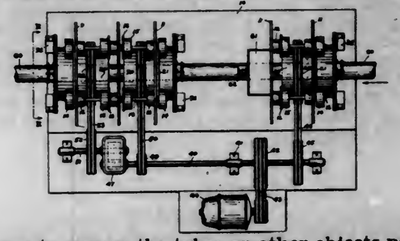
2,299,522
WEEDER
Claude C. Calkins, Spokane, Wash.
Application March 26, 1941, Serial No. 385,236
10 Claims. (Cl. 97—42)



1. In a weeder of the class described, having a gang of parallel longitudinal beams terminating at their rear ends in goosenecks, the combination of plates attached to and projecting forwardly of said goosenecks, collars rigidly mounted on the forward ends of said plates, a bar mounted in said collars crosswise of said goosenecks and plates, and a group of shovels having shanks attached to and extending forwardly of said bar.

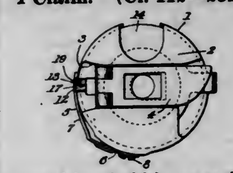
2,299,523
APPARATUS FOR CLEANING TUBES
Arthur B. Carpmail, Lorain, Ohio
Application April 21, 1939, Serial No. 269,246
5 Claims. (Cl. 15—104.04)

1. Apparatus of the character described comprising a base, a plurality of longitudinally aligned laterally extending supports on said base, longitudinally aligned apertures in said supports, longitudinally extending shafts circumferentially spaced about the axis of said apertures and carried by said supports, wheels carried by said shafts adjacent each support, a plurality of longitudinally aligned drums rotatably mounted within said apertures between said wheels, said drums being supported on and laterally confined by said wheels, brushes carried interiorly of said



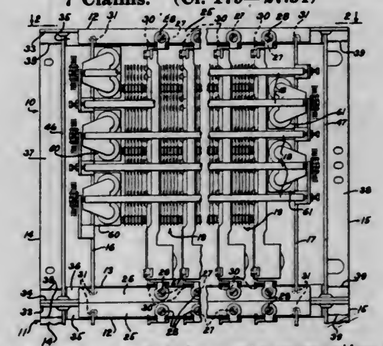
drums to engage the tubes or other objects passing therethrough, and means to rotate said drums.

2,299,524
BOBBIN CASE FOR SEWING MACHINES
Daniel H. Chason, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application July 9, 1941, Serial No. 401,580
1 Claim. (Cl. 112—231)



A sewing machine bobbin-case having a cup-shaped body comprising a cylindrical outer wall and a circular end face, said cylindrical wall being formed with an aperture, a thread-tension leaf-spring having a shank end secured to the bobbin-case, said spring having at its free end a finger the end of which is located in the aperture in the cylindrical wall of the case, a tang on said spring and laterally spaced from said finger, said spring having a thread delivery slot between said tang and finger, and the tang being formed with a thread-catching shoulder on the edge thereof adjacent said thread-delivery slot.

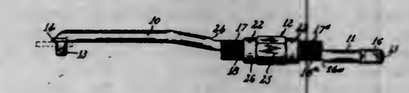
2,299,525
CROSSBAR SWITCHING APPARATUS
Louis H. Christensen, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 7, 1939, Serial No. 298,382
7 Claims. (Cl. 179—27.54)



1. A cross bar switch frame for supporting telephone switching apparatus comprising spaced horizontally extending channel-like members

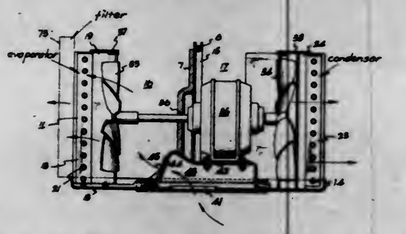
having their flanges extending vertically and their webs disposed in a horizontal plane, said channel-like members having cup-shaped depressions extending into the channel a predetermined distance and the base of said cup-shaped depressions being slotted, side frame members having projecting portions extending through said slots, and joining members of fusible metal fused to the projections and the depressions within the depressions.

2,299,526
TURNBUCKLE
Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application June 25, 1941, Serial No. 399,748
10 Claims. (Cl. 287—60)



1. A turnbuckle comprising half-round members whose external surfaces carry respectively right hand and left hand threads, a nut having sets of threads engaging respectively said right hand and left hand threads, and resilient means interposed between said half-round members and maintaining the engagement of their threads with the corresponding threads of the nut.

2,299,527
AIR CONDITIONING APPARATUS
Clifford S. Cody and Regis D. Heitchue, Springfield, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 3, 1940, Serial No. 317,094
3 Claims. (Cl. 62—140)



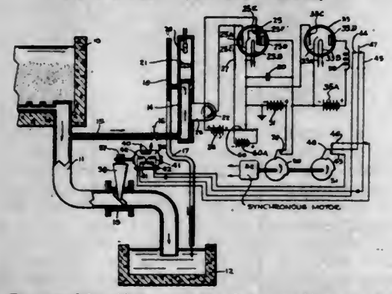
3. A window-mounted self-contained unit air cooler comprising bottom, top, and vertical walls forming an enclosure for the unit, means for mounting the unit air cooler in the window of a room, an upstanding partition within the enclosure dividing the same into an air cooling compartment and a machine compartment, an evaporator in the air cooling compartment, a compressor and a condenser in the machine compartment, means for connecting said evaporator, said compressor and said condenser in a complete refrigerant circuit, said bottom wall having an outdoor air inlet therein disposed at least partly on the machine compartment side of the partition, a duct member in the machine compartment providing a passage extending from said inlet opening to and communicating with the air cooling compartment, a fan motor mounted on said duct member, and a fan driven by said fan motor for effecting flow of outdoor air over said condenser.

2,299,528
CASING MILL
Ray E. Conner, Houston, Tex.
Application September 22, 1941, Serial No. 411,825
10 Claims. (Cl. 164—0.7)



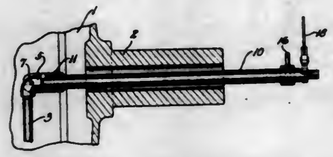
10. A mill for pipe in wells including a housing, a cutter head normally extended therefrom, cutters on said head, a plunger movable in said head by hydraulic pressure to actuate said cutters to first penetrate the pipe and to retract the cutters upon reduction of the hydraulic pressure, means to support the mill on the pipe being cut, and additional means to resiliently advance said cutters against the pipe.

2,299,529
APPARATUS FOR CONTROLLING THE CONDITION OF MATERIAL
David Crampton, Bloomfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application June 10, 1937, Serial No. 147,425
20 Claims. (Cl. 210—122.1)



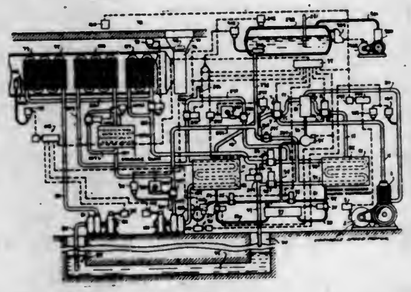
5. In combination, means for treating material to produce results optically detectable in the treated material, light-responsive means associated with said treating means for scanning the material treated by said treating means, and means for making corrective changes in treatment of the material, including a source of electric current, a condenser adapted to be charged therefrom, a discharge circuit for said condenser, vacuum tube means for controlling said discharge circuit and biased to control discharge of said condenser at a predetermined rate and having control electrode means connected for control by said light-responsive means to vary the rate of condenser discharge, and means connected to said discharge circuit and controlled in accordance with variation of the rate of condenser discharge from the predetermined rate, for controlling the treating means, to change the treatment of the material.

2,299,530
SIPHON FOR DRIER DRAINAGE SYSTEMS
Hervey G. Cram, Appleton, Wis.
Application December 9, 1940, Serial No. 369,244
1 Claim. (Cl. 285—10)



A siphon for drier drainage systems utilizing a drier drum having a hollow trunnion and comprising a vertical pipe leg extending from a point close to the axis of rotation of the drier drum to a low point therein, a horizontal pipe leg extending from the exterior through the hollow trunnion of the drier drum to a point adjacent the upper end of the vertical leg, a rigid elbow threadedly connected to the inner end of the horizontal leg and the upper end of the vertical leg, and pins projecting laterally from the elbow and adapted to freely pass through said hollow trunnion and to coact with a suitable tool to facilitate insertion and removal of the parts of the siphon through the hollow trunnion of the drier drum.

2,299,531
AIR CONDITIONING SYSTEM
Robert B. P. Crawford, Miami, Fla.
Application November 12, 1938, Serial No. 239,967
13 Claims. (Cl. 62—6)



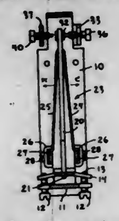
1. In a system of the class described, in combination, a refrigeration system having an evaporator and a condenser, means for conditioning a space including a precooling device and a cooling device, means for passing a cooling medium through said precooling device and then in heat exchange relationship with said condenser, means for passing a heat exchange medium in heat exchange relationship with said evaporator and then through said cooling device, means for varying the output of said refrigeration system in accordance with the cooling load on the system, and thermostatic limit control means responsive to the temperature of the heat exchange medium passing to said cooling device for additionally controlling said refrigeration system.

2,299,532
FILM SPOOL
Adelbert D. Cronk, Woodbury, and David S. Hart, Bethlehem, Conn., assignors to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application September 17, 1941, Serial No. 411,238
2 Claims. (Cl. 242—71)



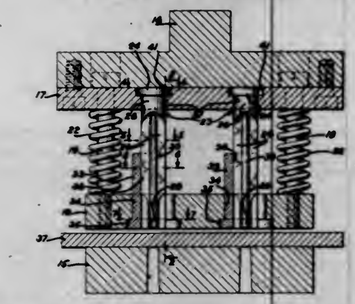
1. A spool to be used in cameras and the like, including a molded plastic spindle formed of two substantially alike semi-cylindrical halves, the said halves having aligning means on their respective flat faces to thus hold the halves in an assembled position, each of said halves having a central portion of its flat face slightly depressed throughout its width to thus form a resultant transverse slot when the said halves are in their aligned assembled position, and the said resultant slot adapted to receive the end of a film or its backing and the respective end walls of the slot forming a guide for the said film end or its backing when passed through the said slot, concentric chambers formed in the respective ends of the spindle for the reception of pintles, the one end of the spindle also provided with a key-slot, the ends of the spindle also provided with external annular grooves, metal end pieces provided with inwardly extending rims interlocked within said grooves to thereby complete the spool and hold the halves of the spindle rigidly in their assembled position.

2,299,533
TEMPERATURE RESPONSIVE DEVICE
Benjamin Cyr, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 5, 1941, Serial No. 401,199
11 Claims. (Cl. 200—137)



1. In a device of the character described, metal ribbon temperature responsive means including two heat expansible legs, a first mounting means for one end of said legs, a second movable mounting means for the other end of said legs, means associated with one of said mounting means for tensioning said legs whereby the differential expansion between said legs causes them to move said movable mounting means when heat is applied to one of said legs, a pair of stationary contacts, and a movable contact carried by said movable mounting member between said stationary contacts, said movable contact being in engagement with one of said stationary contacts when said two legs are at the same temperature, the differential expansion between said legs when heat is applied to one of them causing them to move said movable contact out of engagement with said one and into engagement with said other stationary contact.

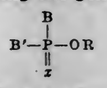
2,299,534
PUNCH AND SUPPORT ASSEMBLAGE
Alfred C. De Lorme, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 17, 1941, Serial No. 393,911
3 Claims. (Cl. 164—118)



1. In a punch and support assemblage, a punch having supporting ribs extending longitudinally thereof on diametrically opposite sides and of less thickness than the diameter of the punch, and a support for the punch having slots throughout its length in which said ribs slide, said support engaging said punch except at said slots.

2,299,535
YARN CONDITIONING PROCESS AND COMPOSITION THEREFOR
Joseph B. Dickey and James B. Normington, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 17, 1938, Serial No. 246,512
17 Claims. (Cl. 252—8.8)

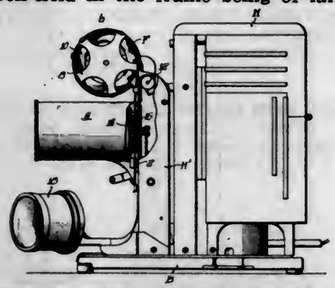
1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like, which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening component a derivative of phosphorus having the general formula:



where x is a substituent selected from the group consisting of oxygen and sulfur; R is an alkoxyalkyl group, B is a substituent selected from the group consisting of OR, -o-alkyl, -o-aryl and B'; and B' is a substituted amino group.

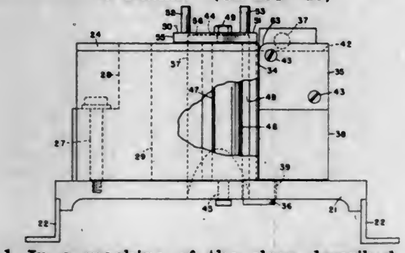
2,299,536
PICTURE PROJECTOR
Robert H. Dreisbach, Fort Wayne, Ind., assignor to The Magnavox Company, Inc., Fort Wayne, Ind., a corporation of Indiana
Application October 6, 1941, Serial No. 413,805
1 Claim. (Cl. 88—24)

A film projector having a film feeding and guiding means including front and rear glass guide blocks between which the film is adapted to be fed, said rear guiding block comprising a rectangular lens, a rectangular metal apertured frame disposed adjacent the rear face of said lens, means carried by said frame for mounting the lens therein, and an opaque ceramic aperture frame fired into the front face of the glass, the open field in the frame being of larger di-



mensions than the aperture of said ceramic frame.

2,299,537
ANGLE BENDING MACHINE
William M. Goldsmith and William H. Kappes, Cincinnati, Ohio; said Kappes assignor to said Goldsmith
Application June 3, 1940, Serial No. 338,551
10 Claims. (Cl. 153—46)



1. In a machine of the class described, the combination of an elongated stationary die plate having an upper transversely inclined edge, and a shiftable die plate movable toward and from a position of substantial parallelism with the stationary die plate, said shiftable plate including an upper edge inclined in a direction opposite to the inclination of the stationary die plate edge, means for locking the shiftable plate against a work strip placed between the plates, and a bending plate having an edge in proximity and in parallelism with an end of the stationary die plate, and means for rotating the bending plate about said edge, said bending plate having an upper edge level with but inclined in a direction opposite to the direction of inclination of the upper edge of the stationary die plate.

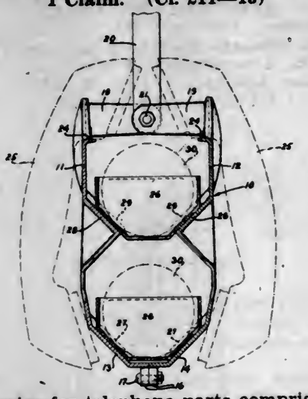
2,299,538
CHAIR WITH COMBINED ROCKING AND TILTING ACTION
Jacob Goldstein, Mishawaka, Ind.
Application November 16, 1939, Serial No. 304,647
10 Claims. (Cl. 155—77)



1. A chair comprising a seat frame having interconnected side and end rails, a bearing member carried by the inner side of each side rail and having a convex lower arcuate surface, a base having interconnected side and end rails, a supporting member secured to the inner side of each base side rail and projecting thereabove and between said seat rails, the upper edges of said supporting members being of concave arcuate form

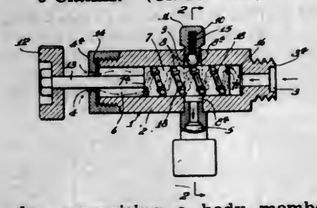
concentric with and supporting said bearing members said bearing members being longitudinally slidable on the upper edges of said supporting members, said seat frame being normally positioned in vertical alignment with and in slightly spaced relation above said base, and means carried by said seat frame and adapted to engage means on said supporting member to limit sliding of said bearing members on said supporting members and to prevent separation of said frames.

2,299,539
DEVICE FOR HANDLING ARTICLES
Earl Hart, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1939, Serial No. 272,737
1 Claim. (Cl. 211—13)



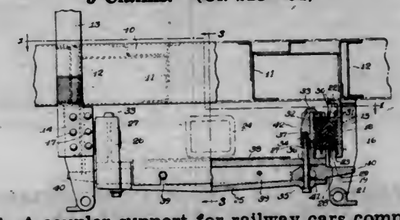
A carrier for telephone parts comprising a U-shaped hollow frame having spaced vertical walls formed with notched upper edges for retaining in spaced apart relationship a plurality of telephone parts suspended from said notched upper edges and arranged in oppositely disposed rows on the outer surfaces of said walls, said frame having portions for engaging and maintaining the lower ends of the two rows of suspended parts in spaced apart relationship and additional inwardly directed portions for removably supporting additional parts between said rows.

2,299,540
VALVE
Ralph E. Hartline, Swissvale, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa.
Application October 19, 1940, Serial No. 361,926
6 Claims. (Cl. 137—69)



1. A valve comprising a body member, the body having a passage and inlet openings at each end thereof connectable to a source of fluid, the body having an outlet opening connected to the passage and intermediate the inlet openings, a unitary obstruction member in the passage movable in the direction of either inlet opening and adaptable to overlie the outlet opening, and one of said members being provided with a duct in its surface coacting with the surface of said other member to form a passage of uniform resistance throughout its length and establishing communication between the inlet openings and the outlet openings whereby movement of the obstruction member in either direction simultaneously changes resistance to movement of fluid passing from each of the inlet openings to the outlet opening.

2,299,541
COUPLER SUPPORT
Henry K. Harwick, Darby, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 31, 1940, Serial No. 348,764
5 Claims. (Cl. 213—61)

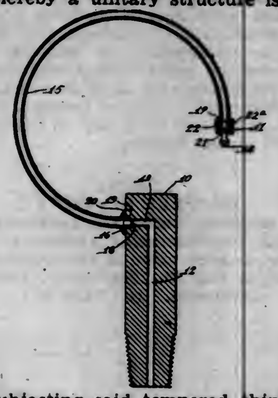


1. A coupler support for railway cars comprising an underframe, laterally spaced brackets depending from the underframe, each having a substantially vertical face and a lateral opening extending therethrough below said face, a coupler-carrying bar aligned with said openings and having upwardly extending projections, one adjacent each end and each provided with a substantially vertical face transversely spaced from and in opposing relation to the vertical face of the adjacent bracket, a fixed shoulder extending inwardly from the bottom of each bracket face, a removable shoulder extending outwardly from the top of each of said bar faces, a removable extension for each end of the bar, each extension extending into the opening of the adjacent bracket, a common securing means for the removable extension and removable shoulder at each end of the bar, and rubber cushioning units supporting the coupler-carrying bar with the rubber in shear, one unit inserted under compression between each pair of said opposed faces and having outer plates bonded thereto and engaging said shoulders to secure it in place.

2,299,542
PRESSURE GAUGE
Reynold T. Hedfield, Chicago, Ill., assignor to Jas. P. Marsh Corporation, Chicago, Ill., a corporation of Illinois
Application January 10, 1940, Serial No. 313,171
2 Claims. (Cl. 73—109)

2. In a pressure gauge or the like, a Bourdon tube comprising a tubular member having thin walls formed of tempered spring metal, said tubular member having peripherally extending, axially flattened bead members thereon spaced inwardly from but respectively adjacent to the opposite ends of said tubular member, said bead members being formed by portions of said walls outwardly and reversely bent into face-to-face engagement with each other and having a resulting thickness equal to about twice the thickness of said walls; a pair of relatively movable gauge elements having sockets for respectively receiving said opposite ends of said tubular member, said bead members abutting the portions of said elements surrounding said sockets to position said ends in said sockets: and fused metal joints uniting the

outer edges of said bead members to said elements, whereby a unitary structure is provided



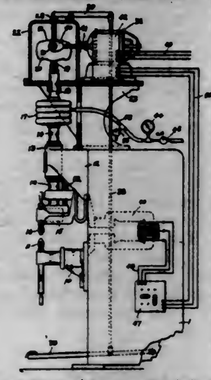
without subjecting said tempered thin walls to excessive heat during formation of said joints.

2,299,543

APPARATUS FOR CORRELATING WELDING PRESSURES AND CURRENTS

Stanley M. Humphrey, Warren, Ohio, assignor to Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio

Application September 20, 1940, Serial No. 357,561
11 Claims. (Cl. 219—4)



2. Welding apparatus comprising in combination a normally fixed electrode, a movable electrode, means to move and apply welding pressure through said movable electrode comprising a fluid pressure filled collapsible member having one of it's ends coupled with said movable electrode, a source of alternating current for said apparatus, means operating in synchronism with said source of current to move the other end of said member toward and away from said fixed electrode, and means to control the fluid pressure maintained in said member between successive welding operations.

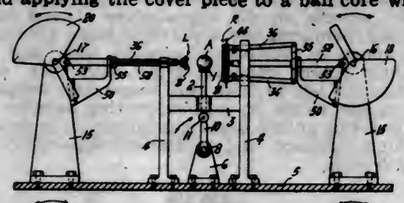
2,299,544

PROCESS AND APPARATUS FOR COVERING BALLS

Walter E. Humphrey, Jeannette, Pa.

Application May 9, 1939, Serial No. 272,614
21 Claims. (Cl. 154—16)

1. A process for the covering of tennis balls comprising uniformly compressing a cover piece only in directions parallel to its major surfaces, and applying the cover piece to a ball core while



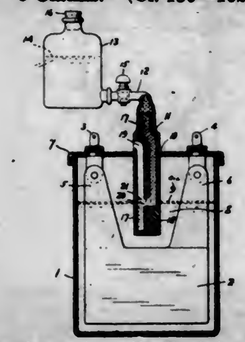
the cover piece is maintained in such compressed condition.

2,299,545

AUTOMATIC FILLING DEVICE FOR ELECTROLYTIC CELLS

Ray Jardine, Glenside, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application January 12, 1940, Serial No. 313,567
5 Claims. (Cl. 136—162)



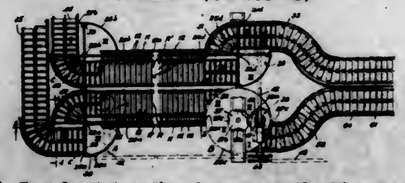
4. Means for automatically introducing liquid to the electrolyte of an electrolytic cell comprising, an oblong body of insulating material having a liquid discharge duct passing through said body in a substantially axial direction, the inlet for said duct opening through the top of said body and the outlet for said duct opening in a side of said body adjacent the bottom thereof, said body also having an air passage passing therethrough in a substantially axial direction, said passage opening at one end through said body adjacent the top and communicating at the other end with said duct intermediate the ends of said duct and within the interior of said body.

2,299,546

ANNEALING FURNACE CONSTRUCTION

William J. Krailing, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut

Application October 6, 1941, Serial No. 413,732
7 Claims. (Cl. 266—5)



1. In a heat-treating furnace or the like, means for charging and discharging material therefrom without substantial heat losses or the introduction of deleterious gases comprising vestibule structure at each adit and exit of the furnace, rotatable door structure in each vestibule, means for rotating said door structures intermittently to periodically charge and discharge material from said furnace, and sealing means in conjunction with each of said door structures, said rotating means comprising intermittently drivable gears associated with said door structures, segmental driving gears each adapted to mesh with one of said drivable gears, and interengaging means associated with said gears for locking the door structures against accidental rotation when said gears are out of mesh.

2,299,547

VARNISHED SHEET MATERIAL

Henry A. Letteron, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application November 28, 1939, Serial No. 306,521
1 Claim. (Cl. 117—161)

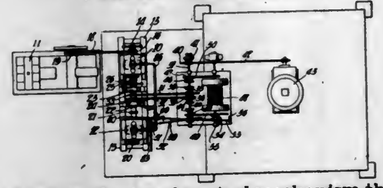
A flexible, odorless, heat- and age-resistant, varnished fabric material consisting of fabric material coated and impregnated with a baked film of a composition composed of a polyhydric alcohol containing at least three hydroxyl groups, a mixture of phthalic anhydride and maleic anhydride, and 60–70 per cent by weight of cottonseed stearin having an iodine number below 90.

2,299,548

OIL WELL DRILLING APPARATUS

August R. Maier, Dallas, Tex., assignor to Oil Well Supply Company, a corporation of New Jersey

Original application June 15, 1936, Serial No. 85,398. Divided and this application September 7, 1939, Serial No. 293,861
3 Claims. (Cl. 60—97)



1. A power plant and control mechanism therefor comprising two steam engines each adapted to independently drive separate units, means for coupling said engines together for driving a third unit requiring greater power than either of said units, and a unitary control mechanism for both engines comprising a steam line connecting both engines, a shut-off valve therein, a steam supply main, respective pipes connecting said main with said steam line on opposite sides of said valve, a throttle valve in one of said pipes and a shut-off valve in the other of said pipes, whereby one of the engines may be controlled by the throttle valve while the other engine is independently operated, and permitting control of both engines by said throttle when the engines are coupled together.

2,299,549

WELL DRILLING ROTARY

August R. Maier and John M. Shimer, Dallas, Tex., assignors to Oil Well Supply Company, a corporation of New Jersey

Application September 12, 1940, Serial No. 356,533
9 Claims. (Cl. 184—6)

1. A well drilling rotary including a base, a table rotatably mounted thereon, means for driving the table including a shaft geared to the table, a housing enclosing the driving means and having a lubricant sump therein, a bearing for the shaft enclosed within the housing, a lubricant pump in said sump driven from said shaft, conduits supplying lubricant from the pump to the

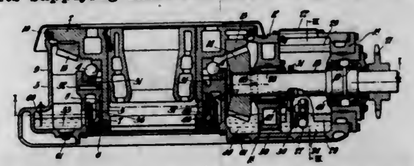


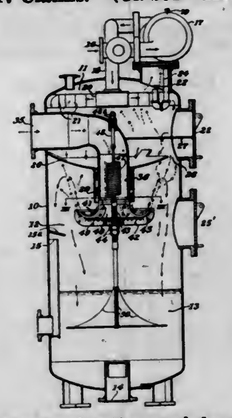
table mounting and to the table-driving means including a conduit to the bearing, said bearing conduit extending in the housing for connection with an external source of lubrication, and a check valve in said conduit between the pump and bearing preventing a flow of the externally applied lubricant to the pump.

2,299,550

DEAERATION APPARATUS

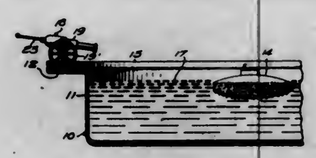
John R. McDermet, Hempfield Township, Westmoreland County, Pa., assignor to Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application September 14, 1939, Serial No. 294,910
17 Claims. (Cl. 261—115)



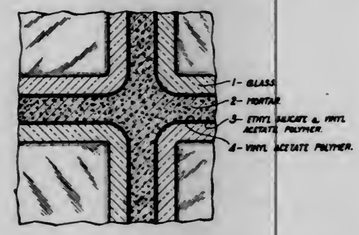
1. Apparatus for heating and deaerating water comprising an upper chamber for heating and partially deaerating contaminated water, and a lower chamber for completing the heating and deaeration, means for introducing contaminated water to be deaerated into said upper chamber, means positioned about said upper chamber for directing the sprayed sheets backwardly towards said first-mentioned means, means for introducing deaerating steam into said lower chamber, means for collecting water that is partially heated and deaerated in said upper chamber and for directing it downwardly under gravity acceleration into said lower chamber, said water-directing means being associated with said steam-introducing means, and resiliently mounted valve means for directing the water and steam entering said lower chamber in substantially parallel-radially-outwardly-projecting circular sheets under normal and high load conditions and for causing the steam to bubble through and scrub the entering water under low load conditions.

2,299,551
TOY
Donald C. McGahey, Atlanta, Ga.
Application May 3, 1940, Serial No. 333,222
6 Claims. (Cl. 46—94)



1. A toy comprising a boat having a specific gravity greater than water whereby it will sink in a body of water, and means for creating bubbles in the water in the vicinity of said boat whereby some of the bubbles will adhere thereto and create therewith a combined body having a specific gravity less than that of water whereby it will float to the surface of the latter.

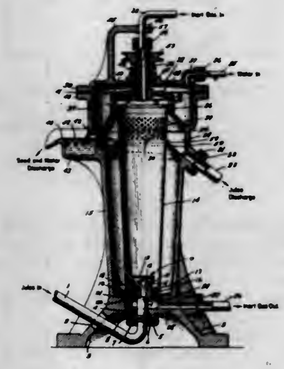
2,299,552
COMPOSITION FOR USE IN MORTAR BONDING GLASS AND THE LIKE ARTICLES
Rob R. McGregor, Swissvale, and Earl L. Warrick, West View, Pa., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Original application April 18, 1939, Serial No. 268,640. Divided and this application August 4, 1939, Serial No. 288,314
5 Claims. (Cl. 260—87)



1. As a new composition of matter for coating glass and the like vitrified surfaces, a solution of silicate ester hydrolyzed with about 15 per cent by weight, based on said ester, of water, and a plasticizer selected from the group consisting of polymer of vinyl acetate and polymer of vinyl acetal, said solution being productive of films adherent to said surfaces under wet and dry conditions.

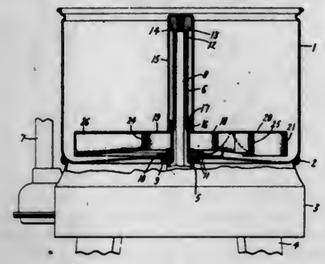
2,299,553
METHOD OF EXTRACTING JUICE FROM FRUITS AND VEGETABLES
Ronald B. McKinnis, Winter Haven, Fla., assignor to Sunshine Foods Inc., Winter Haven, Fla., a corporation of Florida
Application December 6, 1939, Serial No. 307,897
4 Claims. (Cl. 99—155)

1. A process comprising extracting juice from fruit or vegetables in the open atmosphere, passing the juice immediately to a closed chamber, continuously purging the chamber with an inert gas moving counter-currently to the juice passing through the chamber, screening the juice in



the chamber, and then passing the seeds through a water seal to waste.

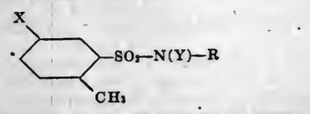
2,299,554
WASHING MACHINE
Kenton D. McMahan, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 29, 1940, Serial No. 343,217
12 Claims. (Cl. 68—38)



1. In a washing machine, a liquid receiving tub, a submerged reciprocatory agitator therein having a rubbing surface presented to the clothes, means for reciprocating said surface relative to the liquid in the tub, a slot in said surface transverse to the direction of movement of said surface, a vane on the agitator intermediate the edges of the slot and inward of said surface, the leading and trailing faces of the vane defining with the adjacent edges of the slot passages respectively in front of and behind the vane as regards the direction of movement of the vane, said leading face of the vane directing a stream of liquid from the passage in front of the vane over said rubbing surface and transverse to the passage behind the vane as regards the direction of movement of the vane, openings through said rubbing surface, and passages inward of the rubbing surface leading from said openings to said passages in front of and behind said vane.

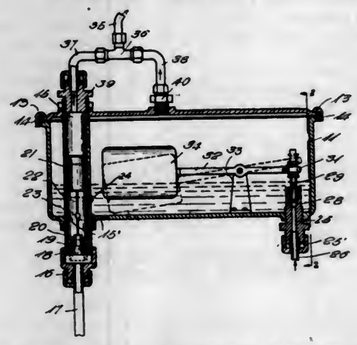
2,299,555
BENZENESULPHONAMIDE COMPOUNDS
Fritz Mietzsch and Karl Bauer, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 27, 1940, Serial No. 354,396. In Germany August 9, 1939
10 Claims. (Cl. 260—296)

1. A product of the formula



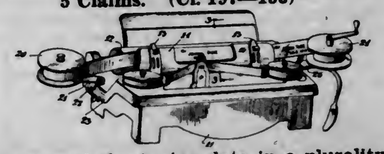
wherein X stands for a nitrogenous group the nitrogen atom of which is attached to the benzene ring, which nitrogenous group is selected from the group consisting of nitro, amino, acylamino, ureido, urethane and azomethine groups, Y stands for one of the substituents hydrogen, lower alkyl and phenyl, and R stands for a radical selected from the group consisting of thiazole and pyridine radicals, the N atom being linked to a carbon atom of said pyridine and thiazole ring respectively.

2,299,556
PUMP PRIMER
Bernard L. Moore, Spokane, Wash.
Application July 21, 1939, Serial No. 285,788
7 Claims. (Cl. 103—113)



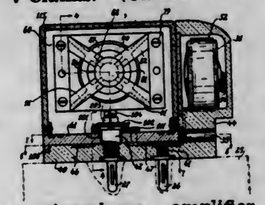
1. A pump primer comprising a water receptacle, a cylinder constituting an outlet for said receptacle, a valve movable into and out of closed position for preventing discharge of water from the receptacle through the cylinder, a piston in said cylinder for closing the valve, a pipe line for connecting the intake manifold of an engine with the receptacle and the cylinder for creating suction through the receptacle and in the cylinder to act upon the piston and move the valve to closed position, a pipe having one end communicating with the pump casing adjacent the inlet thereof, a valve for connecting the other end of said pipe with said receptacle mounted through the bottom of the receptacle and having a stem movable upwardly to open the valve, a rocker arm pivotally mounted in said receptacle with one end connected with the valve stem, and a float carried by the other end of the rocker arm and serving as a weight for normally holding the rocker arm in position to open the valve and as means for moving the rocker arm into position to close the valve and shut off suction through the receptacle when the water in the receptacle reaches a predetermined point.

2,299,557
DEVICE FOR MAKING DUPLICATOR MASTER TAPES
Iva U. Morris, Haverford, Pa., assignor to Benjamin D. Gilbert, New York, N. Y.
Application November 14, 1940, Serial No. 365,606
5 Claims. (Cl. 197—133)



1. In a mask for typing data in a plurality of longitudinally spaced locations upon a tape, a back sheet, a fold extending forwardly and upwardly from the bottom edge thereof, space between the fold and back sheet being such as to permit the tape to be longitudinally slidable, and a fold extending forwardly and downwardly from the upper edge thereof, said folded portions being cut away so that a portion of a tape held in place by said folded portions will be exposed to receive impressions from the typing elements of a typewriter.

2,299,558
WEARABLE MICROPHONE AMPLIFIER
August B. Mundel, White Plains, and Heiman William Koren, Bronx, N. Y., assignors to Sonotone Corporation, Elmsford, N. Y., a corporation of New York
Application April 6, 1940, Serial No. 328,366
7 Claims. (Cl. 179—171)

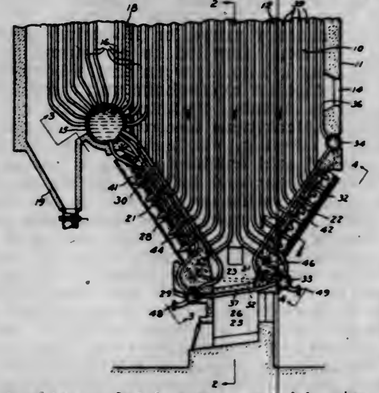


1. In a microphone amplifier arrangement actuated by input currents of the speech frequency range for producing amplified output currents supplied to an output circuit of a hearing aid device worn on the body of the user, an amplifier microphone unit comprising a microphone chamber confining a hollow space, a vibratory microphone electrode of one polarity having a vibratory electrode surface bordering one side of said chamber space, a microphone electrode of opposite polarity having an electrode surface facing another side of said chamber space, and a quantity of microphone granules loosely placed in said chamber so as to produce variations of the current in said output circuit in response to the vibratory motion imparted to said granules by said vibratory electrode if its electrode surface is maintained in a generally vertical direction, vibratory driving means actuated by currents in said input circuit for imparting a vibratory motion to said vibratory electrode, a support for said microphone amplifier unit designed to be worn by the user having an aligning surface bearing against the user's body, a holding member for holding said amplifier unit on said support so as to maintain said vibratory electrode surface in a generally vertical direction when said aligning surface is maintained in a general vertical direction, said holding member including junction means designed and arranged to provide for holding said

amplifier unit in different angular positions relatively to said aligning surface so as to maintain said vibratory electrode surface in a generally vertical direction while said support is tilted from its vertical position to horizontal position.

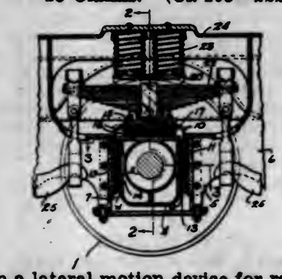
5. In a microphone amplifier arrangement actuated by input currents of the speech frequency range for producing amplified output currents supplied to an output circuit of a hearing aid device worn on the body of the user, an amplifier microphone comprising a vibratory electrode having an inwardly facing vibratory microphone electrode of one polarity, a microphone electrode of opposite polarity, and a quantity of microphone granules held between said electrodes so as to produce variations of the current in said output circuit in response to the vibratory motion imparted to said granules by said vibratory electrode; a support including vibratory driving means actuated by said input currents for inducing corresponding vibratory forces; a vibratory spring diaphragm structure having two opposite end portions clamped to said support; said diaphragm structure including an intermediate mass element, two spring elements connecting said intermediate mass element to the two end portions of said diaphragm structure and an inner mass element having two spring elements connecting it to said intermediate mass element; said vibratory electrode forming part of one of said two mass elements; the other of said mass elements being arranged so as to be driven by said vibratory force and impart vibratory forces to said vibratory electrode; the masses and spring element of said diaphragm structure being so designed and proportioned as to form a coupled vibratory system having one resonance frequency in one part of the speech frequency range and another resonant frequency in another part of the speech frequency range.

2,299,559
WATER COOLED FURNACE
Gustav A. Rehm, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application February 7, 1941, Serial No. 377,869
8 Claims. (Cl. 122—235)



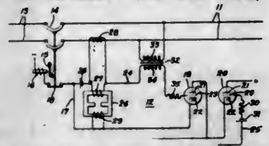
1. A water cooled furnace comprising two opposed upright side walls, a transverse horizontal water drum at the rear of the furnace, a bottom wall sloping downwardly and forwardly in front of the drum, downwardly and forwardly sloping headers located adjacent the junctions of the bottom wall with the side walls, upright water wall tubes associated with the side walls, the lower portions of the tubes being bent rearwardly and connected to the headers, a transverse horizontal header located adjacent the lower margin of the bottom wall, a row of inclined water tubes extending from the horizontal header upwardly along the bottom wall to cool the same, a row of downcomer tubes connecting the water drum with the horizontal header, and means to supply water from the water drum to the sloping headers.

2,299,560
RAILWAY AXLE JOURNAL LATERAL MOTION DEVICE
James C. Travilla, Jr., University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application August 19, 1940, Serial No. 353,175
18 Claims. (Cl. 105—222)



1. In a lateral motion device for railway frame and axle box, rubber-like pad members arranged for attachment to the box, an inverted U-shaped plate secured to said pads and having elements extending longitudinally of the frame and facing transversely of the truck to oppose elements on the frame whereby a lateral force applied between said frame and said box is absorbed by the yielding resistance to shear offered by said pads.

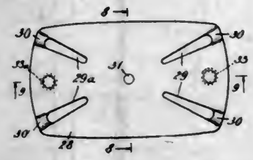
2,299,561
PROTECTIVE APPARATUS
Maurice E. Bivens, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 6, 1940, Serial No. 355,579
26 Claims. (Cl. 175—294)



1. In combination with an alternating-current electric circuit, circuit-interrupting means for controlling said circuit, and fault-responsive electronic means comprising a pair of serially connected electric discharge valves for controlling said circuit-interrupting means in response to the balance between the instantaneous values of a plurality of electrical quantities or functions thereof of said circuit at a predetermined instant during the alternating-current cycle.

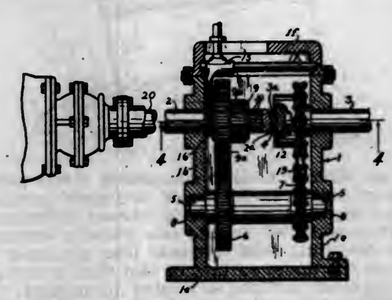
2,299,562
SNAP ACTING DEVICE AND METHOD OF MAKING THE SAME
Lyndon W. Burch, Pelham, N. Y., assignor to The Wilcolator Company, Newark, N. J., a corporation of Delaware
Application March 26, 1940, Serial No. 325,979
9 Claims. (Cl. 297—15)

3. A snap element comprising a sheet of spring metal having a pair of slots therein radiating from the central portion of the sheet but terminating short of the periphery of the sheet, the metal between the outer ends of the slots and the periphery being gathered in the form of troughs extending generally lengthwise of the slots to reduce the effective perimeter of the sheet and cause the sheet to assume a concavo-convex form.



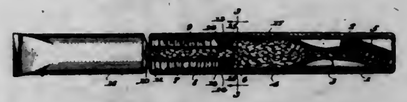
6. The method of making an electrically operable snap acting device which comprises forming separate slots in a normally flat sheet of bimetal and spacing the slots so that the bimetal between them provides a predetermined maximum electrical resistance between the ends of the sheet, and gathering metal in the form of troughs between the periphery of the sheet and adjacent ends of the slots to reduce the effective perimeter and cause the sheet to assume a dished shape.

2,299,563
REVERSING GEAR MECHANISM
Theodore A. Carlson, Portland, and Charles Biller, Valsetz, Oreg.
Application August 31, 1940, Serial No. 355,006
3 Claims. (Cl. 74—376)



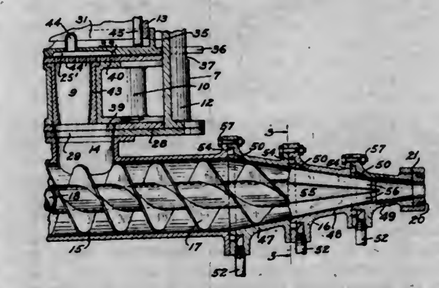
1. In reversing gear mechanism, a housing having two spaced side members, a driving shaft and a driven shaft arranged endwise in axial alinement, being journalled transversely of said housing, said shafts having bearing relation at their adjacent ends one with the other, each of said shafts being journalled in a housing side element, a jack shaft also journalled in said housing between said spaced side members, said jack shaft extending parallel to and being spaced laterally from said driving shaft and said driven shaft, a reverse gear fixed to said jack shaft, means operatively joining said jack shaft and said driven shaft to rotate said two shafts in the same direction, a combined gear and clutch member comprising two externally toothed elements slidably mounted on said driving shaft and held against relative rotation therewith, selective means for sliding said gear and clutch member to either of two positions, one toothed member of said gear and clutch member being adapted in one position to mesh with and to drive said reverse gear, a clutch member fixed to said driven shaft, said clutch member including an internally toothed member adapted to engage the other externally toothed member of said slidable gear and clutch member.

2,299,564
TOOTHBRUSH
Alfonzo C. Castillo, Albuquerque, N. Mex.
Application October 28, 1941, Serial No. 416,872
1 Claim. (Cl. 15—137)



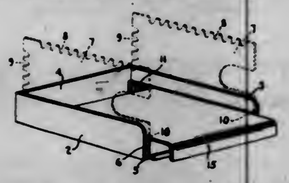
A tooth brush of the class described, comprising a head having bristles, a cylindrical hollow body connected with said head and forming a material reservoir having communication with said bristles and having external threads, a cylindrical hollow base member internally threaded and having threaded engagement with the exterior of the aforesaid body, a hollow stationary feeding tube extending from the end of said base member to a point within the body to supply tooth cleansing material to the latter, a removable closure for the one end of said tube, and means carried on the opposite end of said tube snugly fitting the inner walls of said body adapted to propel the material therewithin toward the bristles as said body is rotated with respect to the base member.

2,299,565
PNEUMATIC FEEDER
Richard R. Colburn, Kansas City, Mo.
Application February 2, 1942, Serial No. 429,245
12 Claims. (Cl. 259—151)



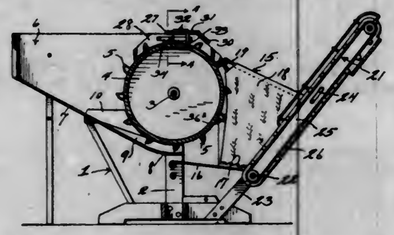
1. In combination, a granular material supply, a granular material conducting casing spaced from said supply, a rotary-carrier having an annular series of pockets revolvable about an axis between said supply and said casing, opposite supply and outlet end sealing plates coacting with said carrier and having openings therein communicating with said supply and casing respectively, the openings in said plates being out of alinement and so formed and disposed that the opposite ends of some pockets advancing from one opening toward the other will always be sealed, means for admitting air under pressure to the supply ends of said pockets when in communication with the opening in said outlet end plate, and means for venting the successive pockets only while travelling from the opening in said outlet end plate toward the opening in said supply end plate and when the pockets have been sealed from both of said openings.

2,299,566
CARD SUPPORT
Roger Connor and Donald A. Nevin, Athens, Ohio, assignors to The McBee Company, Athens, Ohio, a corporation of Ohio
Original application September 13, 1940, Serial No. 356,632. Divided and this application March 20, 1941, Serial No. 384,363
5 Claims. (Cl. 129—16.1)



1. A support to hold cards to be sorted comprising a base, connected upwardly extending walls on two sides of said base, a plurality of ridges on said base, a sliding bottom plate having corresponding ridges on its under surface adapted to drop into grooves between said base ridges.

2,299,567
SEED POTATO CUTTER
John A. Cummings, Benedicta, Maine, assignor of one-half to Harold T. Cummings, Benedicta, Maine
Application July 8, 1941, Serial No. 401,490
6 Claims. (Cl. 146—59)



1. A potato cutting machine of the character stated, comprising a pair of adjacent units one comprising a bin and the other a cut potato receiving receptacle, a drum rotatably supported between the units, a plurality of picker members mounted upon the surface of the drum in rows extending circumferentially thereof, each of said units being of substantially spoon-like form and arranged upon rotation of the drum in one direction to move from the lower part of the bin upwardly therethrough to receive a potato from the bin, means extending over the drum transversely of the axis thereof forming a series of aisles along which the rows of pickers pass in moving from the bin toward the receptacle, and a pair of resilient arms disposed in each aisleway and extending from opposite sides thereof in convergent relation toward and terminating in close proximity to the adjacent cutting means to facilitate maintenance of a potato in position on the picker for cutting.

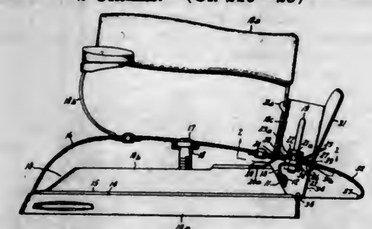
2,299,568
SLING
Donald E. Dickey, Kirkwood, Mo., assignor to Broderick & Bascom Rope Company, St. Louis, Mo., a corporation of Missouri
Application February 3, 1941, Serial No. 377,159
8 Claims. (Cl. 96—25)

1. A sling comprising a braided body portion having eyes at each end, said braided body portion having no crossover in its midlength portion



but having crossovers substantially one-quarter of the distance from the ends thereof.

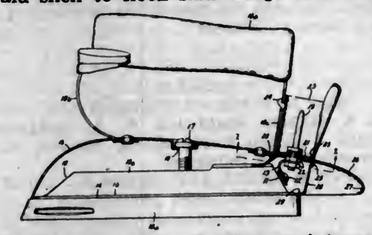
2,299,569
FLATIRON
Alexander M. Dickie, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Application July 31, 1940, Serial No. 348,929
2 Claims. (Cl. 219—25)



2. An electric flatiron comprising a sole plate, terminal pins, a shell for said sole plate provided with a terminal pin opening, means detachably securing said shell to said sole plate, a terminal plate mounting said terminal pins arranged to bear on the under surface of said shell and having upraised sections arranged to project upwardly in said opening so as to closely fit edges thereof, interlocking means between said terminal plate and shell at one side of said opening, and said terminal plate opposite said side having a resilient member extending downwardly therefrom to engage said sole plate so as to be stressed thereby sufficiently to hold said terminal plate firmly up against the bottom surface of said shell when said shell is in place and attached to said sole plate.

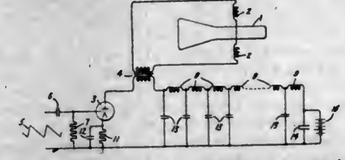
2,299,570
FLATIRON
Alexander M. Dickie, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Original application July 31, 1940, Serial No. 348,929. Divided and this application June 10, 1941, Serial No. 397,413
4 Claims. (Cl. 38—88)

3. A flatiron comprising a sole plate, a one-piece shell covering said sole plate and provided with a rearwardly extending hollow heel rest, and a closure plate for closing the vertical opening between the rear edge of said sole plate and said shell, said closure plate having a flange on its upper end extending therefrom and constructed and arranged to bear on the underside of said shell, an upright hook on the end of said flange extending upwardly through an opening in said shell to hook said flange to said shell,



said closure plate also having an integral upright tongue in substantial alignment with it received in a slot provided for it in said shell, and said plate further having its lower end engaging said sole plate so that when said shell is secured in place on said sole plate said closure plate is locked in place.

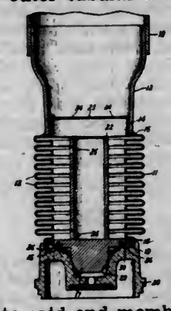
2,299,571
HARMONIC TRANSMISSION SYSTEM
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application May 10, 1941, Serial No. 392,933
7 Claims. (Cl. 250—27)



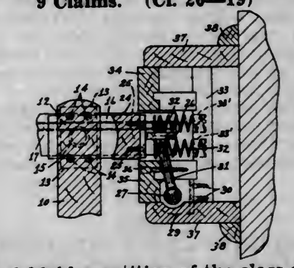
1. In combination, a cathode ray device having a deflection coil, a source of deflection voltage connected across said coil, and additional impedance effectively in circuit with said coil, said impedance being of such character that it, in combination with the impedance of said deflection coil, presents to said source an impedance simulating at all frequency components of said source the impedance of a transmission line having a length of a half of a wave length of voltage having the fundamental frequency supplied by said source to said deflection coil.

2,299,572
DISPENSING PACKAGE
Michael J. Estenes, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 1, 1941, Serial No. 404,953
3 Claims. (Cl. 15—136)

1. A dispensing package for liquids comprising a container for holding a quantity of the liquid to be dispensed, a compressible bellows secured to said container with one end communicating with the interior of said container, a member provided with an aperture closing the other end of said bellows and forming a bearing member for engagement with a work piece, said container being sealed except for said aperture so that when said bearing member is brought into engagement with a work piece and pressure toward said work piece applied to said container to compress said bellows a fluid pressure is produced in the interior of said container and the liquid in said container is forced out of said aperture onto the work piece, and an outer tubular shield for said bellows secured to said end member enclosing said bellows and extending into sliding relation with said first tubular member.

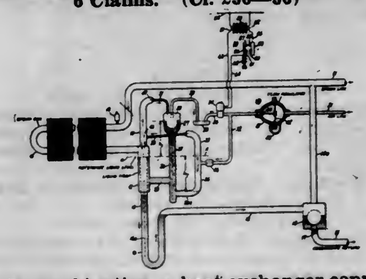


2,299,573
FOLDABLE PARTITION
John T. Fairhurst, Forest Hills, Long Island, N. Y.
Application March 25, 1940, Serial No. 325,735
9 Claims. (Cl. 20—19)



8. In a foldable partition of the class described, an end section, a spring-actuated slidable stile member located adjacent thereto, a bracket secured to the upper end of the stile member with a pivot pin extending downwardly from the bracket and engaging the top of the end section, a second bracket secured to the lower end of the stile member with the pivot pin extending upwardly therefrom and engaging the bottom of the end section, and with the end section being carried by the slidable stile member and with the end section being pivotally positioned with relation to the slidable stile member.

2,299,574
HEATING SYSTEM
Marcus E. Fiene, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application January 28, 1941, Serial No. 376,312
6 Claims. (Cl. 236—36)



4. In combination, a heat exchanger connected

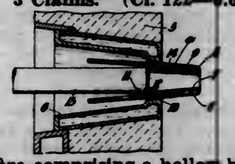
to a source of heating fluid and arranged to supply heat to a space the temperature of which is to be controlled, means for forcing a displacement fluid into said heat exchanger at a constant inlet rate, and means for continuously venting displacement fluid from said heat exchanger at a constant discharge rate, said discharge rate being less than said inlet rate, and means for intermittently precluding the flow of displacement fluid into said heat exchanger at spaced time intervals variable in accordance with the temperature of said space.

2,299,575

TUYÈRE

Charles J. Fleisch, Pittsburgh, Pa.

Application May 23, 1940, Serial No. 336,803
3 Claims. (Cl. 122—6.6)



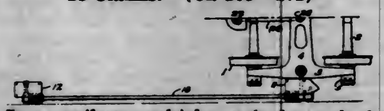
1. A tuyère comprising a hollow body having a central longitudinal passage therethrough and having a rear outer seating portion, a water-cooled nose portion surrounding the forward portion only of said passage, a protective refractory portion surrounding the rear portion of the passage, said refractory portion extending rearwardly from and isolating the water-cooled nose, and protecting the seating portion of the tuyère and the tuyère body in the event of burning of the nose.

2,299,576

RAILWAY VEHICLE STRUCTURE

Einar G. Hallquist, Wallingford, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application March 8, 1940, Serial No. 322,904
13 Claims. (Cl. 105—171)



2. In a railway vehicle, a body underframe member, a truck frame member, means supporting said body member on said truck member comprising a torque rod extending horizontally at the level of said truck frame member and having spaced portions journalled on one of said members at said level, and arms on said portions connected to said members respectively, one of said arms holding the adjacent portion of the rod against movement relative to said body member and the other of said arms being supported by said truck member.

2,299,577

ART OF TREATING RESINS

Torsten Hasselstrom and Edward A. Brennan, Savannah, Ga., assignors to G and A Laboratories, Inc., Savannah, Ga., a corporation of Georgia

No Drawing. Application February 19, 1941, Serial No. 379,704
12 Claims. (Cl. 260—106)

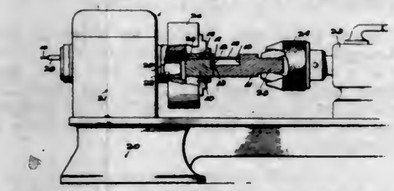
1. The process of increasing the resistance to the effects of heat, light and air, in rosin materials containing radicals of Steele's abietic acid, which comprises the step of heating to a temperature of 100 to 240 degrees C. and below the temperature of substantial destructive distillation and in the presence of elemental iodine in an amount equal to one-fifth to five percent of the amount of abietic type of resin acid and for a time until the quantity of Steele's abietic acid has been reduced to below ten percent of the original content thereof.

2,299,578

ROTARY PIN-CUTTING TOOL

James S. Hellen, Waldwick, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Application April 8, 1941, Serial No. 387,534
5 Claims. (Cl. 164—40)



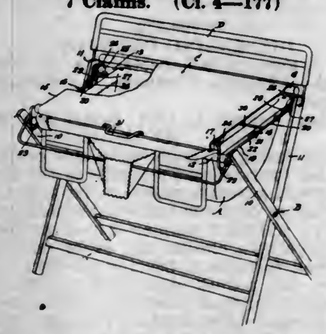
1. A rotary pin-cutting tool for use in a lathe or the like comprising a stationary cylindrical member and a rotatable cylindrical member in frictional engagement with the stationary member, the central longitudinal axis of said stationary member being coaxial with the central longitudinal axis of said rotatable member, said rotatable member being adapted to be driven by suitable means and having a longitudinal bore formed therethrough parallel to and eccentric with the central longitudinal axis of said rotatable member for receiving and supporting rod stock therein, said stationary member having a cut-away portion thus defining an abutment so that a predetermined length of stock may be forced thereagainst from said rotating member, the stationary member further having a groove formed therein in coaxial alignment with said bore for receiving said predetermined length of stock, whereby a predetermined blank or pin is cut from the rod stock during relative rotation between said rotatable and stationary members.

2,299,579

DRESSING TABLE FOR INFANTS' BATHING DEVICES

Benjamin H. Kennedy, Pittsford, N. Y.

Application November 12, 1941, Serial No. 418,757
7 Claims. (Cl. 4—177)



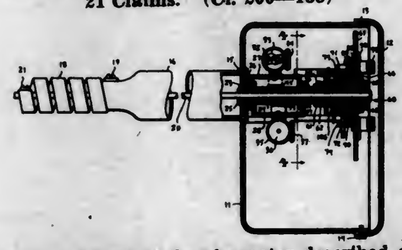
1. In an infant's folding bathing device of the type which includes a tub and a support therefor, a dressing table comprising a panel of flexible sheet material and a frame having longitudinal side rails to which the opposite sides of the panel are anchored and a pair of end rails connecting the side rails at the opposite ends thereof, a pivotal connection between one terminal of each end rail and the support and each end rail including a pair of sections pivotally connected together for movement from an extended aligned relation for stretching and supporting the flexible panel in an active position adapted to overlie the tub to an upstanding folded relation adjacent the rear of the support.

2,299,580

COMBINATION SWITCH

Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 6, 1939, Serial No. 266,331
21 Claims. (Cl. 200—138)



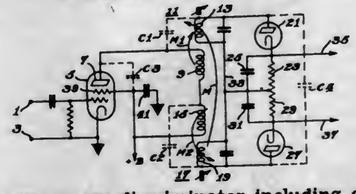
1. In a device of the character described comprising in combination, a member movable in accordance with the variations of a variable condition, a plurality of switches moved to open and closed positions by said member, and means for adjusting the condition values at which said member moves each switch to both open and closed positions, said means including an interlock preventing one of said switches from being adjusted to be moved to closed position at a condition value higher than that at which another of said switches is moved to open position.

2,299,581

FREQUENCY DISCRIMINATOR

Nathaniel I. Korman, Haddon Heights, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application January 25, 1941, Serial No. 375,901
2 Claims. (Cl. 250—27)



1. A frequency discriminator including a pair of resonant circuits respectively responsive to frequencies $f1+\Delta f$ and $f1-\Delta f$ respectively above and below a reference frequency $f1$, and further chracterized by a ratio of reactance to resistance equal to

$$\sqrt{1.5}\frac{\omega_0}{W}$$

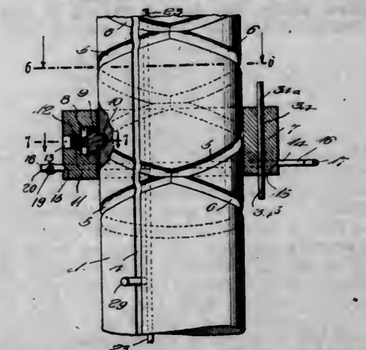
(where $\omega_0=2\pi f1$ and $W=2\pi(f1+\Delta f)-2\pi(f1-\Delta)$ and $2\pi\Delta f$ equals half the radian frequency variation of the applied currents) in each of said resonant circuits, an input circuit for applying frequency modulated currents to said resonant circuits and providing mutual coupling therebetween, and magnetic coupling means in said input circuit connected for minimizing the distortion effect of said couplings.

2,299,582

FLIGHT CONTROL SYSTEM FOR MINIATURE AIRCRAFT

Fred Lohse, Cupertino, Calif.

Application June 8, 1942, Serial No. 446,245
9 Claims. (Cl. 272—31)



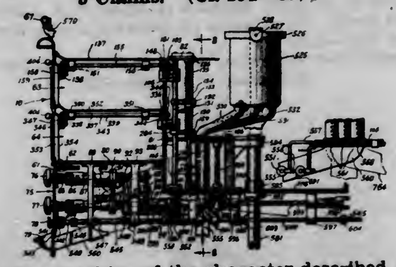
1. In an apparatus of the character described, a miniature aircraft, a vertical standard, a collar rotatable about the standard and shiftable vertically thereon, a ring rotatable about the collar and frictionally held against free turning about the collar, means connecting the aircraft with the ring and mounting the aircraft for movement in an endless path about the standard, means for guiding the collar vertically along the standard, and means movable into and out of position for holding the collar stationary upon the standard at predetermined altitude while the ring and the aircraft move about the collar.

2,299,583

VENDING MACHINE

Raymond Loewy, New York, N. Y., and Harry A. Drew, Cliffside Park, N. J.

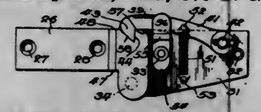
Application March 7, 1940, Serial No. 322,744
5 Claims. (Cl. 194—88)



1. In a machine of the character described, the combination of a single group of movable coin cylinders adapted to receive coins of different denomination, a plurality of groups of shafts arranged to be selectively moved into position to be actuated by coins in said coin cylinders, a plurality of pairs of vending compartments, one such pair of compartments being identified with each of said last mentioned groups of shafts, a door in each of said compartments, means effective to

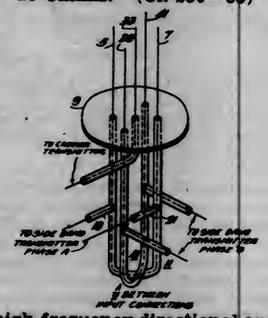
normally maintain each said door in closed locked position, means operated by said shafts to selectively operate one or the other of said door locking means, and manipulative means operable to actuate said group of coin cylinders to impart movement to the selected group of shafts to operate the selected door locking means.

2,299,584
FOLDING LADDER
Otto M. Low, United States Army, Baltimore, Md.
Application March 28, 1942, Serial No. 436,665
2 Claims. (Cl. 228—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



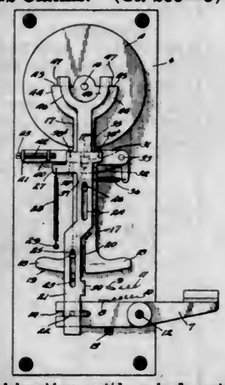
1. In a folding ladder, a bed section and a fly section, each section including a pair of side rails and a plurality of rungs; the sections being connected at the upper and lower ends respectively by a pair of latching hinges, one of said hinges being secured between the ends of each of the side rails of the ladder; each of said hinges including a pair of hinge plates secured in face-to-face relationship with the inner face of the rails of the ladder and one of said hinge plates being off set a distance approximately equal to the thickness of the plates so that the inner faces of each plate lie in the same plane and so that a portion of the inner face of one plate may lie in face-to-face sliding relationship with the opposite plate; a hinge pivot extending through both of said plates at said off-set portion; a hinge latch hook pivotally mounted on one of the plates; a notch adapted to receive said hook on the off-set portion of the other plate; a spring arranged to urge said latch hook into engagement with the notch and a latch hook clip having a stop portion to limit the movement of the latch hook against the spring and an extension portion to lie in face-to-face relationship with the side of the latch arm opposite the hinge plate and prevent lateral displacement of the latching hook.

2,299,585
DIRECTIONAL ANTENNA
David G. C. Luck, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 28, 1940, Serial No. 358,772
18 Claims. (Cl. 250—33)



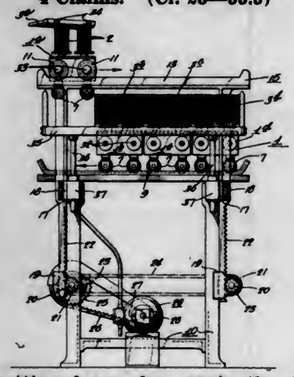
1. In a high frequency directional antenna system, an array comprising a pair of spaced radiating conductors, means including a half wave concentric feed line for applying energizing currents to said conductors in approximate phase opposition, and stabilizing means including a second half wave concentric line for maintaining said energizing current in one of said conductors in exact phase opposition to the energizing currents in the other of said conductors.

2,299,586
BALANCING MECHANISM
Otto Malcher, Chicago, Ill.
Application June 22, 1939, Serial No. 280,443
12 Claims. (Cl. 265—5)



1. The combination with a balancing wheel, of mechanism dependent for operation upon the balanced position of the wheel, and means allowing operation of said mechanism only when said wheel is through balancing, said means comprising an arm rotatable about an axis in common with said wheel having a slot at the free end of the arm, an operating lever for said mechanism, and means comprising a slide actuated by said lever for connecting the arm with said wheel and having a projection to engage the said slot only when the wheel is balanced.

2,299,587
AXMINSTER SETTING FRAME
Montgomery B. Penman and John Lyle, Bloomsburg, Pa., assignors to Magee Carpet Company, Bloomsburg, Pa., a corporation of Pennsylvania
Application May 8, 1940, Serial No. 334,042
4 Claims. (Cl. 28—55.5)



1. A setting frame for use in the Axminster fabric art comprising a sectional spool-supporting table, a rigid frame supporting said sections

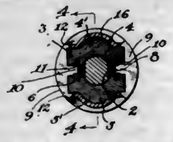
in a common horizontal plane, a vertically movable frame for moving selected sections into a vertically spaced parallel plane, means for connecting said selected sections to said vertically movable frame for separation from the other sections, said sections being mounted on said frames for relative lateral movement in said planes respectively.

2,299,588
LOCKING RING FOR METAL CONTAINERS
John R. Proctor, Bayonne, N. J.
Application April 4, 1939, Serial No. 265,960
4 Claims. (Cl. 220—61)



1. A locking device of the character described comprising a split ring which is substantially semi-circular in transverse section, and toggle means for moving the opposed terminals of the split ring into substantial meeting engagement, said means including a curved locking plate provided with a hinge element at each end thereof, the ring having an elongated recess adjacent to each end thereof, and being provided with a hinge element between each terminal and the outer end of the slot, and links connecting the respective hinge elements at adjacent ends of the plate and ring, each link comprising an elongated plate formed with ring portions at each end thereof receiving the hinge elements, each link being received in the elongated slot at each end of the ring when such plate is in locked position.

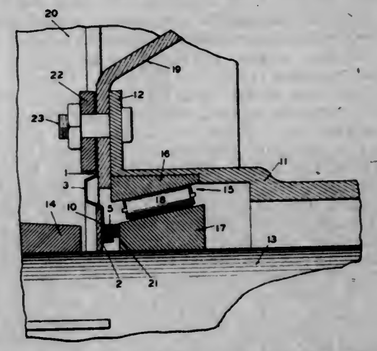
2,299,589
MAGNETO ROTOR
Curt F. Reis, New York, N. Y.; Adele Reis executrix of said Curt F. Reis, deceased
Application November 28, 1939, Serial No. 306,567
4 Claims. (Cl. 171—209)



4. A rotor for magnetos comprising a drive shaft, a sectional magnet composed of two sections of magnetic material, said sections being disposed on opposite sides of said shaft in contact with each other and having inclined notches in their adjacent faces, each end of said magnet being formed with a recess in communication with the inclined notches, pole shoes for the ends of the magnets, inwardly extending projections formed on the pole shoes and situated in the recesses, and a body of cast non-magnetic material interlocked with the projections on the pole shoes and with said recesses.

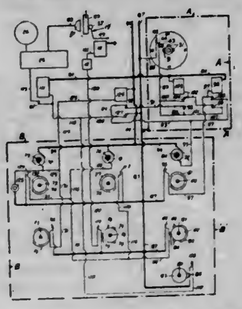
2,299,590
SEAL
Noel S. Reynolds, St. Louis, Mo.
Application October 1, 1941, Serial No. 413,083
2 Claims. (Cl. 286—11)

1. In a seal for association with a fixed member and a shaft carrying an annular surface positioned at substantially right angles to the axis of said shaft, said seal comprising a one-piece metallic disc having an oversize opening for receiving the shaft and adapted to be secured to the fixed member, a sealing ring mounted on one side of said disc in surrounding relation to the opening therein and provided with an annular



end surface adapted for engagement with the surface on the shaft, and a relatively thin washer having one of its flat surfaces directly adhered to the surface of the disc on the side opposite the ring and being of such internal diameter as to have a portion extending radially inwardly beyond the opening of the disc so as to engage the shaft and properly position the seal during assembly.

2,299,591
CHIME MECHANISM
William George Rex, Sydney, New South Wales, Australia, assignor of one-half to Catherine Adelaide Rex, Sydney, New South Wales, Australia
Application March 20, 1942, Serial No. 435,564
In Australia February 21, 1941
7 Claims. (Cl. 84—1.04)



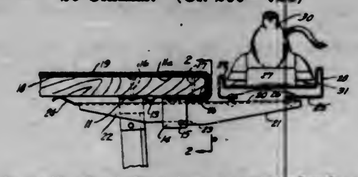
1. A chime system comprising electrically operable chime means, control means operatively connected to said chime means for controlling the operation thereof, a microphone positioned to receive sounds emitted by said chime means, an amplifier connected to said microphone and including a vacuum tube having a heating element therein, a sound reproducer connected to said amplifier, supply means for energizing the heating element of said vacuum tube, and means operatively connected to said control means and to said supply means to energize said supply means before and during the operation of said chime means.

2,299,592
PROPELLER
Anton Rober, Milwaukee, Wis.
Application September 3, 1940, Serial No. 355,267
1 Claim. (Cl. 170—172)



A propeller assembly comprising a hollow perforated hub, and radially extending blades having tubular shank portions connected to and communicating with the hub and blades provided at the distal ends of the shanks, which blades comprise spaced parallel fins extending in or parallel to a plane containing the blades so that the passages therebetween extend the full length of the blade and open through both the leading and trailing edges thereof, each of the fins being angularly offset at its trailing edge to provide an oblique striking surface for air passing through the passages and angularly offset at its meeting edge to direct the air against the said striking surfaces, certain of said fins being hollow and receiving a current of air from the internal bores of the shanks and discharging the same through outlet ports and into the passages between the fins in a manner to augment the flow of air through the said passages.

2,299,593
METHOD OF MAKING CLOSED CELL EXPANDED RUBBER BY INTERNALLY DEVELOPED GASES
Dudley Roberts, New York, Roger Charles Bascom, Merrick, N. Y., and Lester Cooper, Monson, Mass., assignors to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 18, 1937, Serial No. 159,706
20 Claims. (Cl. 260—724)

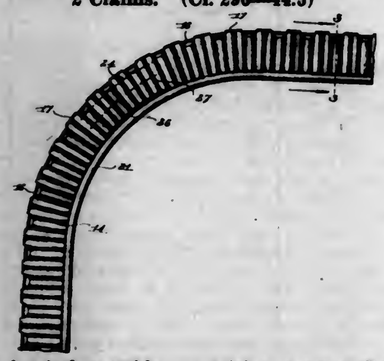


1. A method of forming a vulcanized cellular rubber product which comprises generating an inflating gas within the body of the rubber material to be expanded, while subjecting the mass to gaseous counter-pressure of a magnitude which will permit substantial expansion of the mass but which will prevent rupture of the cellular structure during the generation of the inflating gas, and subsequently reducing the counter-pressure whereby to effect further expansion of the mass and then completing vulcanization of the rubber while closely confined in a mold under conditions preventing loss of inflating gas.

2,299,594
IRON SUPPORT FOR IRONING BOARDS
Charles Augustus Robinson, Cleveland Heights, Ohio
Application January 29, 1941, Serial No. 376,440
3 Claims. (Cl. 248—117.1)

1. An iron holder for attachment to a support such as an ironing board, comprising a bracket formed of an elongated sheet metal plate having one end secured to the lower surface of the ironing board and the opposite end reversely bent around the end of the ironing board and secured to the upper surface thereof, depending flanges from said plate defining a channel below the board, a load bearing bar spaced from said plate and traversing said channel adjacent the end of the board, a removable channel shaped supporting member having one end telescoped within said bracket channel and having opposed notches formed in the edges thereof intermediate its length adapted to be engaged by said bar, and an iron receiving member mounted on the outer end of said supporting member, whereby the load is supported by the upper surface of the ironing board through the reversely bent portion of said plate.

2,299,595
WINDOW GUIDE
Adolph Rydquist, Rochester, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York
Application November 22, 1940, Serial No. 366,688
2 Claims. (Cl. 296—44.5)



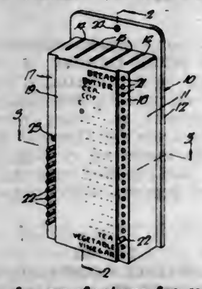
1. A window guide comprising a generally U-shaped body of sheet metal having a base intermediate a pair of opposing arms, said base having spaced slots extending transversely thereof and around the corners of said body slightly into said arms, to render said base extensible for curving said guide, said arms being formed with corrugations to render the same flexible, said corrugations extending substantially continuously from the free edges thereof to the ends of said slots, so that in curving the guide to conform to a curved window contour, said corrugations may expand on one side and contract on the other side of a substantially neutral axis extending along the longitudinal center of each arm, and a relatively soft material on the inner faces of said body for cushioning contact with the window.

2,299,596
ELECTRIC HEATING DEVICE
John Lambert Rycroft, Northwood, England, assignor to The General Electric Company Limited, London, England
Application December 9, 1939, Serial No. 308,445
In Great Britain December 12, 1938
12 Claims. (Cl. 219—37)

3. An electric heating device comprising at least one resistor embedded in insulating refractory material and at least partly enclosed in a sheath, said sheath being keyed into a groove in a single plate of sheet metal and having a flat surface flush with the ungrooved surface of the plate, said groove having a closed end and an open end, the closed end being disposed over said sheath, the closed end of said groove being wider than the open end thereof, the sheath in which said heating elements is disposed being negatively shaped to the contour of said groove and closely fitted therein whereby said sheath is locked in said plate.



2,299,597
COMBINATION KNIFE GUARD AND REMINDER BOARD
William M. Schilling, Chicago, Ill.
Application December 10, 1940, Serial No. 369,449
1 Claim. (Cl. 211—60)



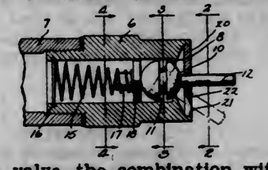
An article of manufacture for use in a kitchen, comprising a block having vertical rabbets on its front face at each side thereof for providing a forwardly offset face between said rabbets for containing a column of names of different food items, a plurality of intermediate comparatively deep kerfs and a shallow kerf at each side thereof provided in the rear face of said block and extending longitudinally thereof, a rigid plate secured to the back of said block across said kerfs and extending above said block for constituting a closure for the open sides of said kerfs and for forming a support for said article, the front face of one of said rabbets being provided with openings opposite the food items for receiving pegs for indicating said items and the front face of the other rabbet having openings therein for receiving pegs held in reserve, said shallow kerfs being behind said openings whereby said openings do not intercept said kerfs and yet are of sufficient depth to hold said pegs without unnecessarily increasing the thickness of said block.

2,299,598
WINDOW GUIDE
Charles P. Schlegel, Rochester, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York
Application January 26, 1940, Serial No. 315,769
1 Claim. (Cl. 20—69)

A substantially flat contour strip for supporting and cushioning one side of a window glass comprising an elongated, flexible sheet metal strip lying generally in a plane but formed with transversely extending corrugations by means of which the longitudinal edges of said strip may be extended or contracted in length so that said strip may be readily bent into a groove in said plane, the ends of the projecting corrugations on both sides of one longitudinal edge of said strip being bent outwardly to provide projecting anchoring means, a strip of fabric folded around and enclosing the other longitudinal edge of said metal strip with the longitudinal edges of said fabric strip extending to and overlying said anchoring means so as to enclose and sheath said metal strip, said fabric strip being provided on one side of said contour strip with a supporting and cushioning portion, and a sheet metal fastening and finishing bead of substantially tubular shape having its longitudinal edges embracing and clamping said fabric edges and anchoring means for securing said fabric edges together and to said metal strip and ornamentally finishing said strip.

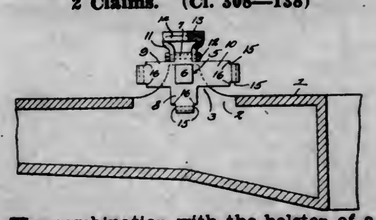


2,299,599
VALVE
William F. Schultz, Ripon, Wis.
Application September 2, 1941, Serial No. 409,161
7 Claims. (Cl. 251—115)



1. In a valve, the combination with a casing providing a valve seat, of a substantially spherical valve body oscillatable universally upon the seat, a stem projecting from said body beyond said seat for the oscillation of said body, and spring means biasing said valve to said seat, said valve being provided immediately within the seat with an annular peripheral channel normally spaced by portions of said valve body from said seat and adapted upon the oscillation of said body in any direction to pass the plane of said seat, whereby to provide flow through said seat.

2,299,600
SIDE BEARING FOR RAILWAY CAR BODIES
Harvey H. Shaffer, Berwick, Pa.
Application September 30, 1941, Serial No. 413,066
2 Claims. (Cl. 308—138)



1. The combination with the bolster of a railway car, said bolster having an opening in the top thereof, brackets at the sides of the opening, and angular sockets in the brackets each open

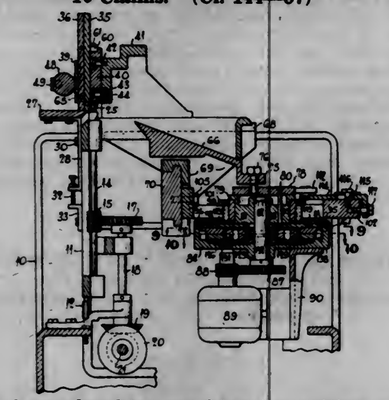
at one side and at the top, of a side bearing comprising members forming a one-piece body cruciform in cross-section, coaxial studs extended in opposite directions from the body and angular in cross-section, said studs being removably seated in the respective sockets and held by the walls of the sockets against rotation, the members of the body being of different lengths and all of them being extended from one side to the other of the body, a yoke coextensive in length with the body, a wear plate carried by the yoke, and means for detachably connecting said yoke to the free end of any one of the members of the body, said yoke being positioned astride the member to which it is attached and all of said members including means for receiving thrust from the sides of the yoke and along planes parallel with the corresponding sides of the studs.

2,299,601
WOOD PROTECTIVE MEANS
Norman T. Shideler, near Bridgeport, Ind., assignor to Steel Protection & Chemical Co., Inc., Mooresville, Ind., a corporation of Indiana
Application March 22, 1940, Serial No. 325,313
2 Claims. (Cl. 217—122)



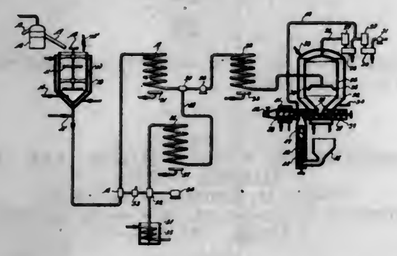
1. A vegetable hamper designed for reuse and having sides and bottom made of wood, creosote oil absorbed in the bottom and at least the lower end portions of the sides, and a coal-tar pitch coating over said bottom and said portions.

2,299,602
DOVETAILING MACHINE
Monroe M. Teague, Lenoir, N. C.
Application June 17, 1940, Serial No. 340,973
10 Claims. (Cl. 144—87)



1. A woodworking machine for cutting mortises and tenons in a workpiece, comprising a base, a table mounted for movement on the base in any direction in substantially a horizontal plane, rotary cutting tools mounted in a stationary position adjacent said table, means for loosely confining a workpiece preparatory to moving the same into engagement with the cutting tools, spring means for normally urging said workpiece out of engagement with the cutting tools, and means for clamping the workpiece and for simultaneously moving the same into engagement with the cutting tools whereby the workpiece is initially set to the cutting tools so that the initial entry of the cutters will be made while the cutting tools are in stationary position, and prior to cutting the mortises and tenons.

2,299,603
SOAP STOCK PURIFICATION AND PRODUCT
Benjamin H. Thurman, Charlotte, N. C., assignor to Refining Inc., Reno, Nev., a corporation of Nevada
Original application December 18, 1937, Serial No. 180,621. Divided and this application April 21, 1941, Serial No. 389,686
5 Claims. (Cl. 252—117)



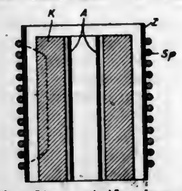
1. A purified soap stock prepared from soap stock from the alkali refining of vegetable oils, which comprises, a substantially completely saponified mixture consisting essentially of soap and substantial amounts of other detergent compounds resulting from the thermal decomposition of proteinaceous materials originally present in the soap stock, said purified soap stock being substantially free of decomposable proteinaceous material.

2,299,604
FUNGICIDAL COMPOSITION
Clarence L. Weirich, Westport, Conn., assignor to The C. B. Dolge Company, Westport, Conn., a corporation of Connecticut
No Drawing. Application December 1, 1939, Serial No. 307,185
6 Claims. (Cl. 167—30)

1. A fungicidal composition comprising phenoxyacetic acid and a water soluble inorganic salt compatible in water solution with phenoxyacetic acid, the proportion of said salt in the composition greatly exceeding the proportion of phenoxyacetic acid in the composition, the said salt enhancing the fungicidal properties of the phenoxyacetic acid when the composition is dissolved in water to form a solution containing at least 2½ per cent concentration of the salt based upon the weight of the solution.

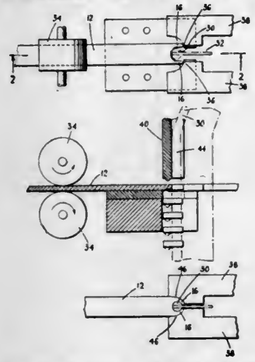
2,299,605
HIGH FREQUENCY COIL WITH MASS CORE
Theodor Willers, Berlin, Germany; vested in the Alien Property Custodian
Application March 15, 1941, Serial No. 383,509
In Germany September 21, 1939
1 Claim. (Cl. 175—356)

In combination, a coil form of low-loss ceramic material, a high frequency coil mounted on said form, a mass core of low conductivity contained within and positioned next adjacent the coil form, said mass core being provided with an axial bore the diameter of which is between 0.4 to 0.6 of the outside core diameter, and a metallic shield slotted in the axial direction contained within and



positioned next adjacent the inner surface of the mass core.

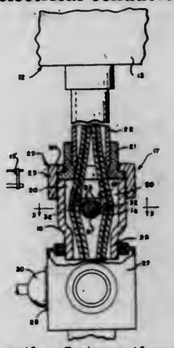
2,299,606
METHOD OF MAKING SLIDE FASTENERS
George Wintritz, Staten Island, N. Y., assignor to Conmar Products Corporation, Bayonne, N. J., a corporation of New Jersey
Application December 19, 1939, Serial No. 309,948
6 Claims. (Cl. 29—148)



1. In the manufacture of slide fasteners, the method which includes forming a jaw opening at the end of a smooth-edged strip of metal, said jaw opening being shaped and dimensioned to conform to the heads of the desired fastener elements, whereby the elements may be formed without waste, advancing the jaw end of the strip to the beaded edge of a tape, closing the jaws in order to clamp the same securely on the beaded edge of the tape, the outside walls of the jaws being formed from the side edges of the strip, blanking an element including the closed jaws from the end of the strip by means of a punch having a Y-shaped section and operating at the edge of the tape in the direction of the tape, the arms of the Y straddling the bead of the tape, and the stem of the Y being shaped to form the head of the element and to thereby leave a new jaw opening at the end of the strip.

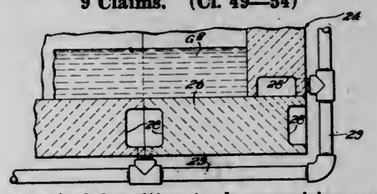
2,299,607
FITTING
Jacob E. Averbach, Detroit, Mich., assignor of one-third to Lloyd Gasdick, Detroit, Mich., and one-third to Milton A. Pixley, Columbus, Ohio
Application February 24, 1941, Serial No. 380,365
12 Claims. (Cl. 174—41)

1. In combination, supporting structure, a linear supporting member, a conduit located below the linear supporting member and suspended from said member, and means for suspending the linear supporting member from the supporting structure including a fixture having separable parts adapted to receive the linear supporting member therebetween and having passageways at opposite sides of the linear supporting member, and electrical conductors extending



from a point above the fixture through the passageways to the conduit below the fixture.

2,299,608
MELTING TANK AND APPARATUS FOR COOLING SEAMS THEREOF
Henry H. Blau, Elmira, N. Y., and Kenneth K. Knaell, Charleroi, Pa., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Original application October 15, 1937, Serial No. 169,108. Divided and this application September 19, 1939, Serial No. 295,596
9 Claims. (Cl. 49—54)

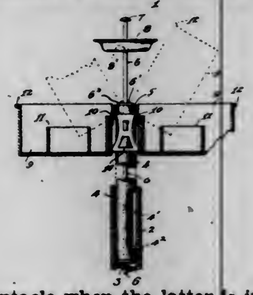


1. A material melting tank comprising cast refractory blocks forming walls, the engaging faces of the blocks being formed with complementary grooves defining a passage, said passage being entirely between and spaced from the inner and outer confines of the wall, means for supplying cooling gas to the passage to solidify molten material tending to escape through the joints between the blocks, an apertured conduit positioned in the passage, and means for supplying cooling liquid to the conduit to control the temperature of the cooling gas in the passage.

2,299,609
SMOKER'S STAND
Russell W. Brooks, Peoria, Ill.
Application July 31, 1941, Serial No. 404,821
6 Claims. (Cl. 312—152)

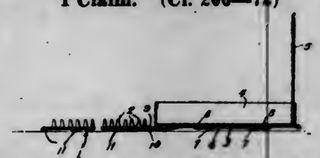
1. A stand of the nature described including in its construction an upright, a support guided by the upright adapted to be raised and lowered with respect thereto, means by which the support is elastically carried, said means normally tending to elevate said support, a receptacle consisting of two parts, said parts being separately hingedly related to the support and adapted to close together in abutment to form a closed receptacle and both adapted to lie in a single horizontal plane when the receptacle is open, an extension arising from the upright above the support and above the receptacle, an abutment on the extension to limit the upward travel of the

support while the parts are in their open positions, and an abutment to limit the said upward travel



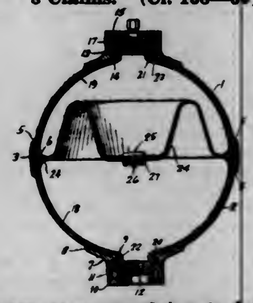
of the receptacle when the latter is in its closed position.

2,299,610
DISPLAY DEVICE
Alan F. Clark, Pittsburgh, Pa., assignor to Clark Brothers Chewing Gum Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application June 20, 1940, Serial No. 341,586
1 Claim. (Cl. 206—72)



Counter receptacle comprising a flexible mat of rubber or like material having a good coefficient of friction with respect to a supporting surface, a tray resting upon said mat along one end marginal portion thereof, a base plate beneath said mat and tray extending longitudinally of said tray and completely overlain thereby, means for securing said mat, tray and base plate together with said mat between said tray and base plate, said base plate having spaced downwardly extending feet holding the said marginal portion of said mat elevated above the plane of the supporting surface.

2,299,611
PRESSURE ACCUMULATOR
Warren H. Clark, Glendale, Calif., assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio
Application June 3, 1942, Serial No. 445,669
8 Claims. (Cl. 138—30)



7. A pressure accumulator including a pressure storage reservoir, and a liner for the reservoir having a diaphragm connected thereto to divide the reservoir into two compartments.

2,299,612
FIRE RESISTANT COMPOSITION AND FABRIC
Edwin C. Clayton and Lawrence L. Heffner, Baltimore, Md., assignors to Wm. E. Hooper & Sons Company, Woodberry, Baltimore, Md., a corporation of Maryland
No Drawing. Application August 14, 1941, Serial No. 406,870
13 Claims. (Cl. 106—15)

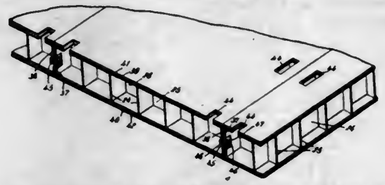
1. A composition for use in the impregnation of cellulosic fabrics and the like to give them fire-water and mildew resisting qualities, comprising a substantial proportion of an organic material selected from the group consisting of chlorinated paraffin, chlorinated paraffin oil, chlorinated fish oil, chlorinated vegetable oils, chlorinated rubber, chlorinated tung oil; the same being from about 20% to about 70% chlorinated and having water-proofing properties, and being adapted to decompose giving off chlorine containing gases at the combustion temperatures of said cellulosic materials, and a substantial proportion of metallic compound which is not injurious to cellulosic fibers and is selected from the group consisting of antimony oxide, antimony sulphide, arsenic sulphide, arsenic oxide, bismuth oxide and bismuth sulphide, a plasticizer, a volatile solvent and a quantity of opaque material sufficient to protect the chlorinated material from decomposition by light the composition having a high degree of penetration and being adapted to form a deposit of a flexible nature when dried whereby fabric treated with this composition will retain its full flexibility.

2,299,613
SHOCK ABSORBING STRUT FOR AIRPLANES
Ephraim W. Cleveland, Berea, Ohio, and E. Raymond Warner, Burbank, Calif., assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application December 5, 1939, Serial No. 307,648
8 Claims. (Cl. 244—104)



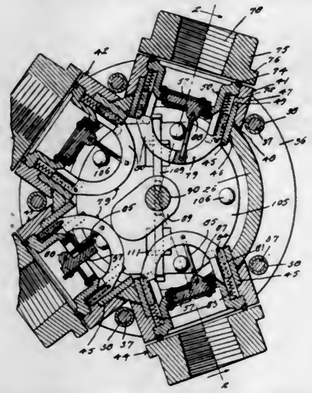
1. In a shock absorbing strut, a pair of diametrically spaced telescoping cylinders capable of relative rotation, sliding bearings between said cylinders fixed to the inner end portions thereof for maintaining them in coaxial alignment, and cam means on said bearings capable of interengagement near the end of the extension stroke of the strut for relatively rotating said cylinders to a specific alignment about a common axis and immediately thereafter for limiting said extension stroke.

2,299,614
STRUCTURAL UNIT
Maurice Deutsch, New York, N. Y.
Application February 8, 1940, Serial No. 317,929
6 Claims. (Cl. 189—34)



1. A structural box-like unit comprising a pair of channel members spaced apart in parallel relation with the channels facing each other, a core member supported in said channels and comprising an inner grid having partitions intersecting substantially at right angles to one another and an outer covering extending around at least four sides of the grid, sheet material fastened to said channel members and closing the space from each longitudinal edge portion of one channel member to the opposite longitudinal edge portion of the other channel member, said channel members and the sheet material fastened to them forming a hollow structural box-like enclosure for said core which surrounds it on at least four sides, the planes in which the intersecting partitions of the grid lie being at right angles to the planes occupied by the sheet material fastened to the channel members.

2,299,615
VALVE ASSEMBLY
George T. Downey, Corry, Pa., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa.
Application May 6, 1942, Serial No. 441,941
12 Claims. (Cl. 277—20)



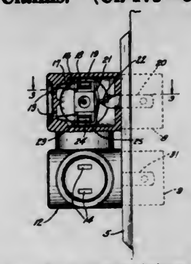
1. A multiple valve assembly comprising a housing formed with a common intake port and a plurality of outlet ports, a valve seat for each intake port, a pivoted valve member for each seat, a sealing gasket, means securing a portion of each gasket to a seat, means securing the remaining portion of each gasket to said valve member, a movable valve operator for each valve member, yieldable means constantly urging said operator to maintain said valve member in closed position, and cam means rotatably carried by said housing engageable with a selected operator for moving said selected operator to valve member opening position.

2,299,616
CONTAINER
Hans A. Eggers, Van Wert, Ohio
Application April 6, 1939, Serial No. 266,326
4 Claims. (Cl. 229—5.7)



1. A container structure made of fiber board or the like and being of annular cross section, a metal reinforcing band surrounding the end of said body portion, said band and said body portion being bent together to form an inwardly extending rib adjacent the end of the body portion and an external groove in alignment therewith, a removable closure comprising a head for closing the end of said body portion, said head being disposed within the end of said body portion at a point outside said rib and resting on said rib, said head comprising a non-metallic disk of heavy construction, said disk having sealing disks of flexible non-metallic material attached to the upper and lower surfaces thereof, and a removable split metal ring which engages said head and overlaps said heavy disk and which has a portion extending into said external groove so as to clamp the head in position on said rib, said sealing disks being of greater diameter than said heavy disk so that they will project outwardly beyond the periphery of said disk, said projecting portions of said disks extending outwardly over said band and at least one of them extending into said external groove and being clamped between said ring and band.

2,299,617
ADAPTER PLUG FOR ELECTRIC OUTLETS
Charles G. Eisenberg, Jr., Wauwatosa, Wis.
Application August 4, 1941, Serial No. 405,334
6 Claims. (Cl. 173—334)



1. An adapter plug comprising a unitary body, a plurality of sets of external prongs extending into said body, said prongs having projecting ends constructed and arranged for quick insertion in the prong receiving openings of standard outlet fittings and the individual prongs in each set being electrically separated from each other, and a plurality of contact fingers within the body in electrical connection with each set of prongs, said adapter body having a plurality of sets of outlet openings for guiding the prongs of appliance plugs

into electrical contact with said fingers, said sets of external prongs being widely spaced to furnish cooperative support against loosening or disengagement of either set of prongs of the adapter from electric outlet fittings with which said prongs are adapted to simultaneously engage.

2,299,618

AUTOMATIC CONVEYING AND ELEVATING MACHINE

Victor Finston, Chicago, Ill., assignor to The Meaker Company, Chicago, Ill., a corporation of Illinois

Application August 24, 1940, Serial No. 354,100
14 Claims. (Cl. 214—17)



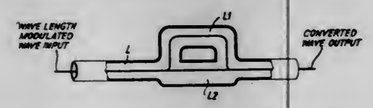
1. A conveying and transfer mechanism comprising a main conveyor arranged to move horizontally around an orbital path, said main conveyor being adapted to have work piece carrier arm means positioned for movement thereby in said orbital path, and means associated with said conveyor for elevating said work piece carrier arm means off of said conveyor and moving it along horizontally independently of said main conveyor, said carrier arm elevating means comprising a vertically arranged horizontally shiftable member for guiding the vertical movement of said work piece carrier, means horizontally disposed for guiding said shiftable member at each of its ends as it is shifted horizontally by said elevating means, said transfer means being adapted to return said work piece carrier arm means onto said conveyor so as to transfer the work pieces to an advanced position along said orbital path.

2,299,619

ULTRA SHORT WAVE SIGNALING

Karl Fritz, Berlin, Germany; vested in the Alien Property Custodian

Application May 2, 1940, Serial No. 332,872
In Germany January 13, 1939
4 Claims. (Cl. 178—44)



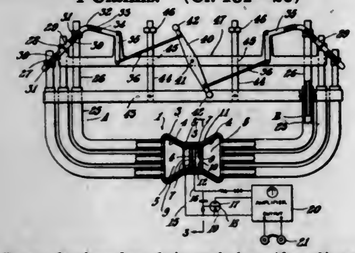
1. In means for converting wave length modulations on ultra-high frequency wave energy into corresponding amplitude modulations on ultra-high frequency wave energy, a hollow tube line having an intake and an output, means for supplying wave length modulated ultra-high frequency wave energy to said intake, and means within said hollow tube line for increasing the length of the path over which some of said wave energy flows between said intake and said output, whereby the waves in following said two paths are relatively displaced in phase and the wave length modulations thereon are converted to corresponding amplitude modulations in the wave energy at said output.

2,299,620

ACOUSTIC APPARATUS

Gabriel Maria Giannini, Great Neck, N. Y., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application August 19, 1938, Serial No. 225,814
4 Claims. (Cl. 181—26)



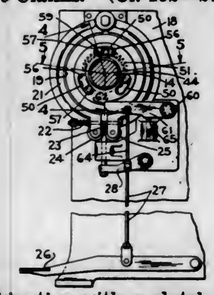
1. In a device for determining the direction of propagation of sound waves, a diaphragm, two groups of open ended tubular members pointing in the same direction, each group having a common end spaced from opposite sides of said diaphragm, means defining an air chamber between one of said common ends and one side of said diaphragm, means defining an air chamber between the other of said common ends and the other side of said diaphragm, an open ended tubular element for each of said tubular members adjustably cooperating therewith for varying the effective length of said tubular members, and common control means for adjusting each of said tubular elements of one of said groups a varying amount to thereby tune each of said tubular members to resonate at a particular frequency and for simultaneously making identical adjustments of the said tubular elements of the other of said groups, whereby a particular frequency or group of frequencies are caused to impinge upon said diaphragm.

2,299,621

CLUTCH OPERATING MECHANISM

James L. Giffen and Raymond A. Freeman, Hudson, N. Y., assignors to V & O Press Company, Inc., Hudson, N. Y., a corporation of New York

Application June 23, 1939, Serial No. 280,700
9 Claims. (Cl. 192—24)



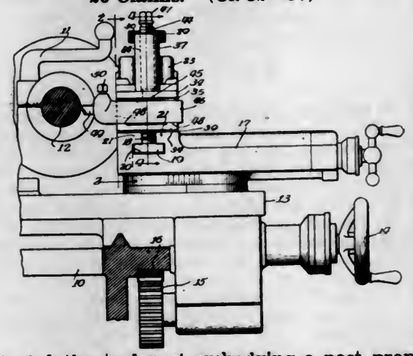
1. In combination with a clutch having a pair of rotatable elements separable by axial movement of a first one of said elements, a shaft to which said first element is drivingly connected to be rotated thereby, a collar mounted to rotate relatively to said shaft, means to connect said first clutch element to said collar and to axially move said clutch element to disengage it from the other clutch element when the rotation of said collar is interrupted, and common means including a brake band encircling said collar and said shaft to interrupt the rotation of said collar while said shaft is rotating and to subsequently interrupt the rotation of said shaft.

2,299,622

TOOL POST FOR LATHES

Henry H. Hardinge, Chicago, Ill.

Application July 19, 1940, Serial No. 346,339
26 Claims. (Cl. 82—37)



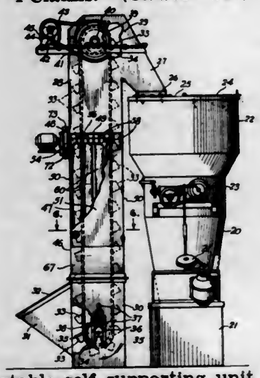
1. A lathe tool post embodying a post proper, means mounting said post for slidable movement upon a tool post carriage of a lathe, a tool holder, means mounting said tool holder upon said post for slidable adjustment and for rotatable movement with respect to the post, means carried by the first said means and operable against the side post for binding said holder against movement with respect to said post at any point to which it has been slidably adjusted upon the post, and means other than either of the aforesaid means and embodying a single element for clamping a tool in said holder and for rendering the said binding means active.

2,299,623

DUST REMOVING MEANS FOR FEEDERS

Lyndus E. Harper, Kansas City, Mo.

Application June 5, 1940, Serial No. 338,917
4 Claims. (Cl. 209—247)



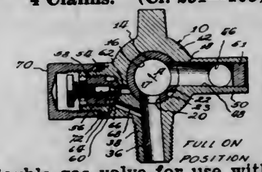
1. A portable self supporting unit for feeding finely divided solid material to a liquid from a point lower than the surface of said liquid, comprising an upstanding housing having means therein for feeding said material to said liquid by gravity at a controlled rate, means for supplying said finely divided solid material to said feeding means, comprising a lower hopper adjacent said housing but spaced therefrom, an elevator comprising an endless series of buckets, a vertical housing for said elevator in which said buckets travel fixed to and extending upwardly from said lower hopper to above the top of said elevator, the upper end of said vertical housing being closed, said buckets receiving finely divided solid material from said lower hopper, an upper hopper within said upstanding housing above said feeding means, said elevator extending above said upper hopper, and an enclosed chute fixedly connected with said vertical housing and with said upstanding housing and extending obliquely downwardly from one side of said vertical housing near the top thereof to said upstanding housing and discharging into said upper hopper, said chute receiving material discharged from said buckets and conveying said material to said upper hopper by gravity, said upper hopper discharging said material into said feeding means by gravity, said chute holding said housings in relatively fixed side by side spaced relation for mounting the bottom of said upstanding housing and said lower hopper at a common level on a common support.

2,299,624

GAS VALVE

Philip S. Harper, Chicago, Ill., assignor, by direct and mesne assignments, of one-fourth to Philip S. Harper and one-fourth to Carolyn L. Harper, both of Chicago, Ill., and one-fourth to Harris Trust and Savings Bank, an Illinois banking corporation, as trustee of the Philip S. Harper trust, and one-fourth to said Harris Trust and Savings Bank, as trustee of the Carolyn L. Harper trust

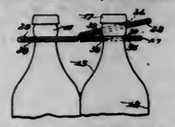
Application February 12, 1941, Serial No. 378,534
4 Claims. (Cl. 251—105)



1. A double gas valve for use with double gas burners of the type having main and simmer burner sections, including in combination, a valve body having a plug receiving chamber, a valve plug rotatably mounted in said chamber, said plug having an axially disposed passageway open to said chamber and a pair of coplanar passageways leading from said axial passageway to the surface of said plug, said valve body having a pair of outlet passageways adapted to supply gas to the simmer and main burner sections of the burner, respectively, the simmer burner section outlet passageway communicating with said axial passageway and the main burner section outlet passageway communicating with the plug surface in the plane of said coplanar passageways, said valve body having also main and branch gas inlet passageways communicating with the plug surface in said plane, said branch gas inlet passageway being adapted to pass a comparatively small quantity of gas, and the said radially disposed passageways in said plug and the passageways in the valve body communicating with the plug surface being so arranged that in one position the plug closes both the main and branch gas inlet passageways, in a second position gas is supplied only to the simmer burner section outlet passageway solely through said branch gas inlet and through the first of said co-planar passageways, in a third position gas is supplied only to the simmer sec-

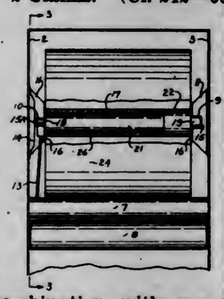
tion through said main gas inlet and said first co-planar passageway, and in a fourth position gas is supplied from the main gas inlet to said axial passageway through the second of said co-planar passageways and from said axial passageway to the simmer burner section outlet passageway and also to the main burner section outlet passageway through said first co-planar passageway.

2,299,625
BOTTLE CARRIER
Raynor M. Holmes, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York
Application March 21, 1940, Serial No. 325,211
3 Claims. (Cl. 224—45)



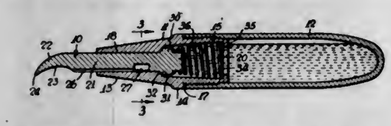
3. A carrier for a container having a cap part, a bead part, or both, said carrier comprising a single sheet of material having a carrying portion and two superposed integral flaps having a hinging fold line between them, the lower of said flaps being attached to the carrying portion and the upper of said flaps having a free edge extending substantially parallel to said fold line, said flaps extending laterally from the carrying portion and the upper of said flaps being wider than the lower flap, said flaps having openings at least partly in registry with each other and adapted to receive one of said parts, the flaps being arranged so that the weight of the container pulls the upper flap toward the lower flap and wedges said free edge against the carrying portion.

2,299,626
PAPER ROLL AND MOUNTING THEREFOR
William V. Hunt, Vancouver, British Columbia, Canada
Application August 16, 1939, Serial No. 290,463
2 Claims. (Cl. 242—68)



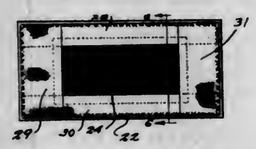
1. The combination with a mandrel having cylindrical portions at opposite ends of different diameters, a paper roll having a disposable tubular core upon which the paper is wound, said tubular core being less in length than the paper rolled upon it, one of the cylindrical portions of the mandrel being of a diameter to fit within the tubular core and the other cylindrical portion being of a diameter to fit within the inner periphery of the paper rolled upon said core, that portion of the mandrel which is of the lesser diameter to be disposed within the core and the larger diameter portion of said mandrel to be disposed within the paper roll beyond said core.

2,299,627
MANICURE IMPLEMENT
Anna Hunter, New York, N. Y., and Angelo De Stefano, Bogota, N. J., assignors to Taylor-Freeman-Stanley, Incorporated, New York, N. Y., a corporation of New York
Application January 18, 1941, Serial No. 374,988
13 Claims. (Cl. 132—74.5)



1. A manicure appliance including a reservoir barrel for a liquid preparation, a one-piece sleeve secured to the forward end of said barrel and internally provided with a rearwardly facing seat, an applicator slidable in said sleeve and projecting forwardly therefrom, said applicator having a feed duct from which reservoir liquid is dispensed, and having a shoulder member adapted to engage said seat to limit forward movement of said applicator, and means for controlling the flow of liquid through said feed duct in accordance with the slide movement of said applicator in said sleeve.

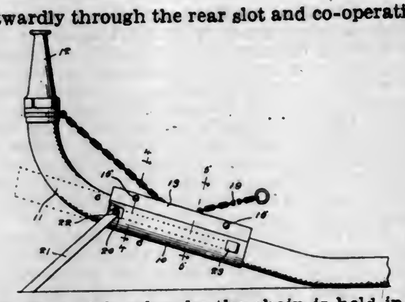
2,299,628
MOUNTING STENCIL SCREEN AND IMPRESSING A STENCIL THEREIN
Lyman H. Johnson and Paul S. Johnson, Los Angeles, Calif.
Application July 19, 1940, Serial No. 346,344
7 Claims. (Cl. 101—127)



3. The method of forming a support for a stencil which comprises securing a sheet of elastic material upon a frame, the placing of a screen upon said sheet of elastic material, then placing strips of like material upon marginal portions of the sides of said screen, the application of an agent having the characteristics of blocking-in the interstices of said elastic material and of a bond whereby said sheet and strips of material will adhere to said screen, the application of pressure thereto so as to force the elastic materials and bonding agent into the mesh of the screen, and then removing a portion of the said sheet of material from over the screen whereby tension in the remaining portion of the sheet of elastic material is partially imparted to the said screen to hold the same taut.

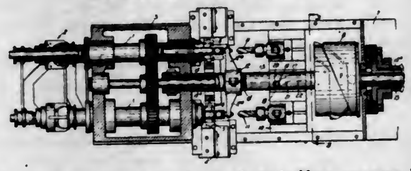
2,299,629
HOSE JACK
George C. Jordan, Milwaukee, Wis.
Application August 13, 1941, Serial No. 406,696
3 Claims. (Cl. 248—83)

2. A hose jack, comprising a tube adapted to be removably connected to a hose close to a nozzle, said tube provided with a raised longitudinally extending portion having front and rear slots, said rear slot being notched, and a chain adapted to be detachably connected to a nozzle and passing inwardly through the front slot and outwardly through the rear slot and co-operating



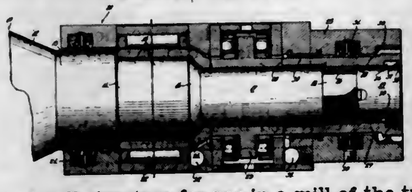
with the notch, whereby the chain is held in its adjusted position.

2,299,630
MACHINE TOOL
Elmer E. Kelley, Hartford, Conn.
Application September 15, 1939, Serial No. 294,990
14 Claims. (Cl. 29—53)



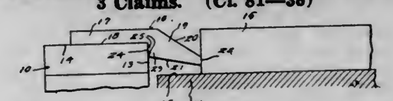
1. In a machine tool, work rotating means including a spindle, means for intermittently feeding stock therein, coaxial longitudinally extending shaft means driving said spindle and said stock feeding means, longitudinally reciprocable tool carrier means and shaft means also driven by one of said shaft means, swinging stock stop means journalled on said shaft means and having a depending actuating portion swinging therewith, and means on said reciprocable tool carrier for engaging said actuating portion and swinging said stop means positively in both directions in timed relation to said carrier and said feeding means.

2,299,631
ROLL CHANGING DEVICE
Clarence J. Klein, Mariand Heights, W. Va., assignor to National Steel Corporation, a corporation of Delaware
Application November 6, 1941, Serial No. 418,086
5 Claims. (Cl. 80—1)



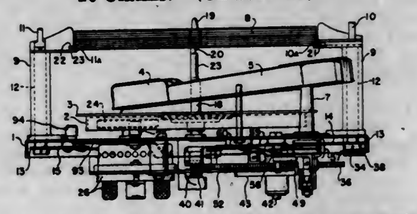
1. A roll structure for use in a mill of the type having rolls with necks of small diameter relative to the length of the roll and in which the rolls are so arranged that they can be changed using a roll changing device incorporating a roll engaging sleeve, comprising a roll having a reduced neck, a bearing surface on the neck adjacent the roll, an extension on the neck beyond the bearing surface, a bearing chock mounted on the neck, bearing means in the chock coacting with the bearing surface, an extension on the chock positioned adjacent the neck extension, and contact means on the chock extension engaging the neck extension when the chock extension is grasped by the sleeve of the roll changing device.

2,299,632
WORK HOLDING ATTACHMENT FOR VISES
Edward Kochorosky, Two Rivers, Wis.
Application October 28, 1941, Serial No. 416,880
3 Claims. (Cl. 81—38)



1. A work hold-down attachment for a vise comprising an elongated body positionable over the upper end of a movable vise jaw, a downwardly inclined work engaging jaw integral with said body terminating in a work engaging face, the rear end of said work engaging jaw extending right angularly and downwardly from the lower surface of said body for engagement with the forward side of said movable jaw, the extended rear end of said work engaging jaw being formed with a plurality of parallel longitudinal grooves to thereby provide longitudinal ribs between the grooves for engagement with said movable jaw, said ribs holding said attachment against upward movement relative to said movable jaw, and serrations carried by the work engaging face of said work engaging jaw, the upper edge of the work engaging face of the work engaging jaw being in a plane lower than the lower edge of the rear end of said work engaging jaw.

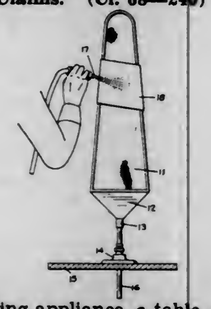
2,299,633
AUTOMATIC RECORD CHANGING APPARATUS
Arthur L. Knox and Fritz Kahl, Fort Wayne, Ind., assignors to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application August 16, 1940, Serial No. 352,836
10 Claims. (Cl. 274—10)



7. An automatic record-changing apparatus comprising a turntable; a plurality of movable record supports for supporting a stack of records; connecting means operatively associated with said plurality of record supports for permitting their movement in unison into and out of record-supporting positions; driving means; means including a cam member for moving a record from said supports to said turntable, said cam member being adapted to be moved into driving relationship with said driving means; a movable coupling member operatively associated with said cam member and being adapted to move into cooperative relationship with said driving means for moving said cam member into driving relationship with said driving means; a latch for holding said coupling member out of cooperative relationship with said driving means; means for moving said latch out of engagement with said coupling member; and a

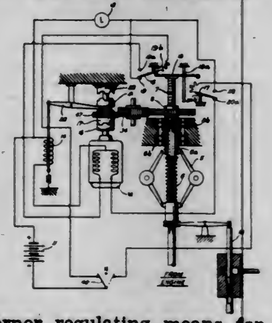
member operatively associated with said connecting means and being adapted to lock said coupling member from moving into said cooperative relationship with said driving means when said supports are moved to non-supporting position.

2,299,634
GARMENT SPOTTING APPLIANCE
Claude L. Lambert, Fairbury, Nebr.
Application May 13, 1940, Serial No. 334,855
3 Claims. (Cl. 68—240)



1. In a spotting appliance, a table, an aperture in said table, an elongated hollow support for garment fabrics, said support including a front foraminous screen wall and a sheet metal rear wall, said rear wall being spaced from said front wall, a funnel at the lower extremity of said support with the sides thereof merging into said front and rear walls, said funnel being slightly inclined with respect to said support, and a conduit rigid with said funnel for conducting the drainage from said funnel, said conduit being slightly inclined with respect to said funnel, the total inclination of said conduit with respect to said support being less than forty-five degrees, means for securing said support to said table with said conduit in vertical position and passing through said aperture in the table to hold said support by said funnel at an angle to the vertical of less than forty-five degrees, whereby cleaning fluid may be sprayed against the fabric for the removal of spots therefrom and whereby the fluid passing through the foraminous front wall will drain down the inclined rear wall and out through said conduit.

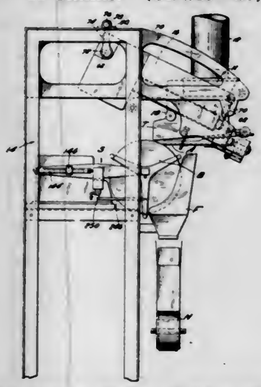
2,299,635
PROPELLER CONTROL MECHANISM
Charles I. MacNeil, Glen Ridge, and Raymond T. Zwack, East Orange, N. J., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 23, 1940, Serial No. 358,026
4 Claims. (Cl. 264—3)



1. Governor regulating means for an engine speed controlling governor comprising, in combination, means including an electric motor and transmission for varying the governor adjustment to return the engine to a preselected speed, motion-stopping means including a combined clutch and brake applicable to stop rotation of the transmission concurrently with severance of the drive between the motor and transmission, means for energizing said motor, and means for automatically de-energizing said motor and shifting said combined clutch and brake after a predetermined degree of rotation thereof.

4. In a governor regulator, a source of power, a gear-train driven from said source of power, a combined clutch and brake element interposed between said source and said gear-train, and means for automatically shifting said combined clutch and brake element to stop said gear-train concurrently with severance of the drive thereto from said source of power, and after a predetermined degree of movement of said gear-train.

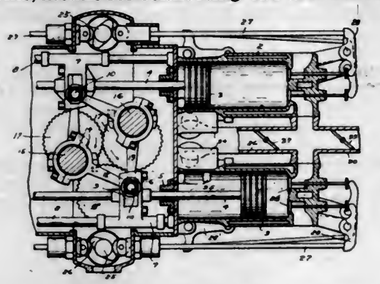
2,299,636
AUTOMATIC NET WEIGHING MACHINE
Fritz P. Mansbendel, Brooklyn, N. Y., assignor to The Fred Goat Co., Inc., Brooklyn, N. Y., a corporation of New York
Application August 26, 1938, Serial No. 226,870
11 Claims. (Cl. 249—20)



1. An automatic weighing machine comprising a main delivery trough, means for causing movement of material therealong at a rapid rate, an auxiliary trough located beneath the main trough for dribble delivery of a small amount of material, an adjustable gate beneath the main trough for feeding a small amount of material downwardly from the main trough into said dribble trough, means for causing movement of material along the dribble trough, a scale for receiving the discharge from both the main and dribble troughs, and means controlled by said scale for interrupting the feed of the main trough when the delivered material approaches the desired weight and for interrupting the feed of the dribble trough when the material reaches the desired weight.

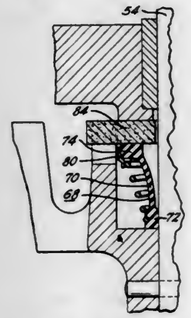
2,299,637
MECHANICAL MOVEMENT
James T. Martin, Salinas, Calif.
Application August 4, 1941, Serial No. 405,395
8 Claims. (Cl. 74—44)

1. A mechanical movement of the class described comprising a reciprocatory member, a cross head connected with the member for movement therewith, a pair of crankshafts, the center line of said reciprocating member being disposed in parallelism to a plane passing through the center lines of said pair of crankshafts, a pair of arms, means for connecting one arm for rotary



movement on one crankshaft, means for connecting the other arm for rotary movement to the other crankshaft and a wrist pin movably connected with the cross head and to which the other ends of the arms are journaled.

2,299,638
FLUID SEALING DEVICE
John T. Marvin, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 29, 1940, Serial No. 326,711
1 Claim. (Cl. 286—11)

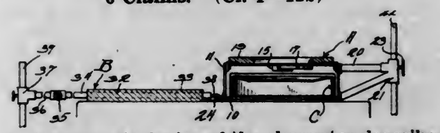


In a fluid seal for preventing leakage between a rotary shaft and a member through which the rotary shaft is received with clearance: a packing sleeve of elastic composition consisting of an annulus adapted for snug encirclement of a portion of said shaft, a second annulus of larger diameter than the first having a face adapted for axially-directed sealing contact with a complementary surface of said member, and a relatively thin axially-distensible bellows portion intermediate said annuli, integral therewith and capable of flexure into radially variably-spaced relation to the shaft portion encircled thereby, and a tapered coil compression spring member having its small end portion anchored to and constrictively encircling said small annulus enforcing sealing contact thereof with the rotary shaft, having its large end portion in axially-directed abutment with said larger annulus, and having its intermediate convolutions disposed around said bellows portion in normally slightly-spaced relation thereto positively confining said bellows against excessive radial expansion without however interfering with normal flexures thereof incident to operational variations in the mutual spacing of said annuli.

2,299,639
TREATMENT OF FERROUS BODIES
James R. McElhaney, Vandergrift, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
No Drawing. Application April 2, 1941, Serial No. 386,546
9 Claims. (Cl. 148—21.5)

1. The method of removing hydrogen embrittlement from ferrous bodies which includes the steps of successively introducing and removing heat from such bodies a plurality of times so as repeatedly to vary the mean mass temperature thereof, while causing a heat transfer sufficient to vary the mean mass temperature of said body through a range of at least 100° F. below the bluing temperature of the body.

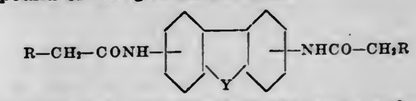
2,299,640
BED COMMODE CHAIR
John B. Michon, Baton Rouge, La.
Application January 17, 1942, Serial No. 427,197
6 Claims. (Cl. 4—112)



1. A commode device of the character described comprising a relatively low chair structure carrying a toilet seat and adapted to receive a commode pan, a support adapted to receive the body of a bed patient, means for hingedly coupling the chair and support together when the same are in side by side relation whereby said chair may be turned onto its side with said seat disposed in a vertical plane over the support, and means for securing the chair and support together to facilitate turning of the same together with the body of the patient as a unit to bring the chair into upright position and effect transfer of the patient from the support to the seat.

2,299,641
PROCESSES OF COLOR PHOTOGRAPHY AND COMPOSITIONS AND ELEMENTS THEREFOR
Edmund B. Middleton, Woodbridge, and Andrew B. Jennings, New Brunswick, N. J., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 26, 1939, Serial No. 311,010
9 Claims. (Cl. 95—6)

1. The process which comprises developing a photographic image with a dye coupling aromatic amino developing agent containing an unsubstituted amino group in the presence of a compound of the general formula:

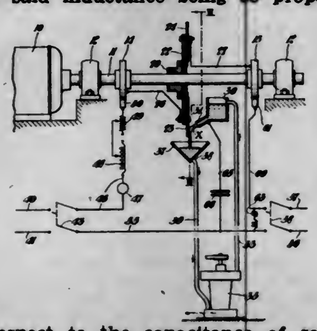


in which the R's represent the same carboxylic acyl groups, and Y represents a bivalent bridge radical.

2,299,642
ELECTRICAL IGNITION APPARATUS
Fred Miess, Gary, Ind.
Application August 30, 1940, Serial No. 354,887
5 Claims. (Cl. 175—373)

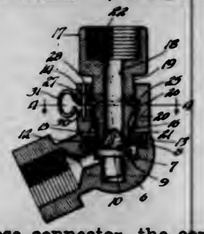
1. Apparatus of the character described for

periodically supplying a strong electrical impulse of short duration from a source of electrical energy, including: a condenser; a source of current adapted to charge said condenser; an inductance in the charging circuit of said condenser, said inductance being so proportioned



with respect to the capacitance of said condenser as to provide a tuned charging circuit; and means for periodically disconnecting said condenser from said source and connecting it to the circuit to which said strong impulse is to be delivered.

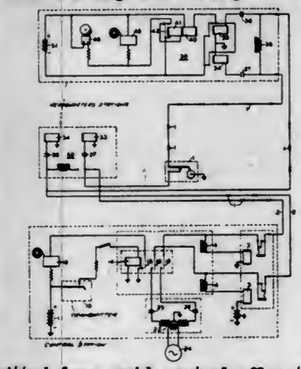
2,299,643
VALVED CONNECTOR
Frederick K. Moody, Chicago, Ill.
Application July 3, 1940, Serial No. 343,795
2 Claims. (Cl. 284—17)



1. In a hose connector, the combination of a chuck having the usual check valve and packing washer, a cylinder having one end connected with the chuck and having an annular portion engaging with the washer to hold the same in operative position, an annular spring ring mounted in a groove in the cylinder, means for holding one end of the ring, the opposite end of the ring having an extension projecting outwardly from the cylinder for opening the ring, a coupling member having a main body portion fitting in the cylinder and having a reduced end for engagement with the valve to open the same and with the washer to make a tight coupling, said member having a conical portion adjacent the reduced end and having a groove at the base of the conical portion for receiving the spring ring, the arrangement being such that the conical portion may be pushed through the ring to expand the same and to cause the ring to engage with the groove to hold the coupling in operative position.

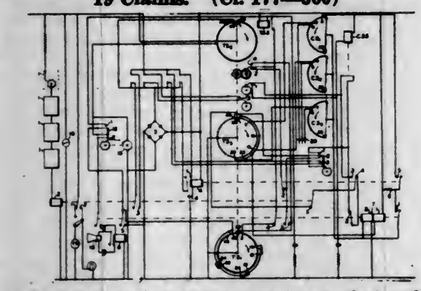
2,299,644
SIGNAL RETRANSMISSION SYSTEM
Manfred W. Muehter, Nutley, N. J., assignor to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey
Application July 12, 1939, Serial No. 283,938
2 Claims. (Cl. 177—367)

1. In a signalling system, a transmission line including a plurality of subscriber's stations and a plurality of headquarters stations therein, a central office connected to said transmission line including a direct current source and receiving relays connected to each side of said transmission line for receiving direct current signals from said subscriber's stations, a transmitter at said central office for retransmitting the subscriber's signals, a transmitting relay connected to said central office transmitter and having contacts connected to each side of said transmission line for keying it, an alternating current source connected between each of said contacts and ground, choke coils connected to each of said receiving relays for blocking alternating current signals



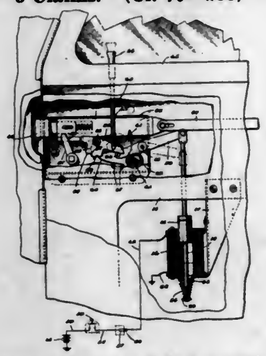
transmitted from said central office transmitter and passing direct current signals from said subscribers' stations, a pair of receiving relays connected between each side of said transmission line and ground at each of said headquarters stations, condensers connected in each side of said transmission line for blocking direct current signals from the subscribers' stations, a repeating relay at each of said headquarters stations responsive to either or both of said receiving relays and having a delay characteristic rendering it non-responsive to direct current charges on said condensers and a signal receiver at each of said headquarters stations responsive to said repeating relay for indicating signals received over either or both sides of said transmission line.

2,299,645
SIGNALING SYSTEM
Manfred W. Muehter, Nutley, N. J., assignor to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey
Application June 4, 1940, Serial No. 338,679
19 Claims. (Cl. 177—360)



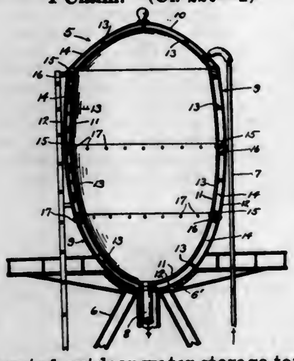
2. In a signaling system, a transmission line including a transmitter therein for transmitting a predetermined code signal, a multi-bank stepping switch for registering said code signal and a retransmitting means comprising a selector device connected to said switch and controlled thereby for changing the characteristics of the transmitted code signal in accordance with the number of banks in said switch.

2,299,646
ELECTRIC OPERATED DOOR UNLOCKER FOR MOTOR VEHICLES
Henry A. Muller, Pittsburgh, Pa.
Application August 6, 1941, Serial No. 405,709
5 Claims. (Cl. 70—283)



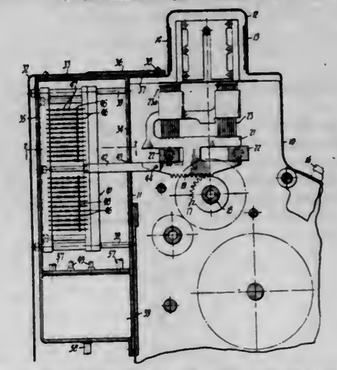
1. An electrically operated door unlocker for a motor vehicle comprising, a spring projected bolt on one door of a motor vehicle, said bolt having an integral flange, a centrally pivoted detent, a manually operable push rod adapted to move the detent to obstructing position with relation to the flange, a pivoted lever adapted to move the detent to unobstructing position with relation to the flange to permit the bolt to be retracted, means for releasably holding the detent in obstructing or unobstructing position, a solenoid having a core connected to the lever for actuating the lever, means connected to the core for yieldably holding the lever in engagement with the detent to prevent rattling, and a switch controlled electric circuit for the solenoid.

2,299,647
EVEN TEMPERATURE WATER SUPPLY TANK
Charles Everett Murphy, Kingfisher, Okla.
Application February 1, 1940, Serial No. 316,818
1 Claim. (Cl. 220—1)



An elevated outdoor water storage tank formed of connected hollow sections into substantially egg-shaped configuration comprising, a tower including a substantially cup-shaped head receiving the lower end of the tank, a water inlet conduit communicating with the interior of the tank from a point in the top thereof, a water outlet conduit communicating with the tank at the lowermost point of its bottom, said tank resting on its smaller end in the cup-shaped head and said conduits retaining it in upright position therein, and an insulating pipe connected to the lower surface of the cup-shaped head surrounding the water outlet conduit.

2,299,648
INDICATING MEANS FOR CASH REGISTERS
George V. Nolde, San Francisco, Calif., assignor to Butte Electric Manufacturing Co., San Francisco, Calif., a corporation of California
Application March 11, 1940, Serial No. 323,405
3 Claims. (Cl. 235—23)

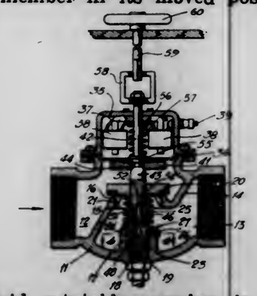


1. Indicating apparatus for displaying at remote locations amounts registered in a cash register, said cash register being of the type having selector slides mounted for differential endwise movement upon registry of amounts in the cash register, said apparatus including a frame, means for mounting said frame on the cash register, an ordinal series of selector elements mounted for sliding movement on said frame in a direction parallel to the endwise movement of said selector slides, and bars projecting from said selector elements for connection to said slides to provide for movement of each selector element and the associated slide as a unit.

2,299,649
MANUAL RESET VALVE
Eugene Paille, Los Angeles, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application September 12, 1941, Serial No. 410,552
8 Claims. (Cl. 137—144)

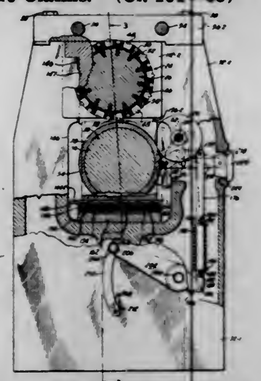
1. In a control device: a first member reciprocable between an active and an inactive position and constantly biased toward said active position; a second member axially movable with respect to said first member and normally exerting an opposing force thereon greater than that of said constant bias; one of said members also being rotatable on its axis; said members having engaging portions forming cooperable means such that rotation of one of said members relative to the other in one direction causes axial movement of said second member with respect to said first member without removing the force of the second member on the first member so

that the same remains in its active position; and condition responsive means for retaining said second member in its moved position so that



when said rotatable member is subsequently rotated in an opposite direction the force exerted by the second member is removed and said first member moves to its active position.

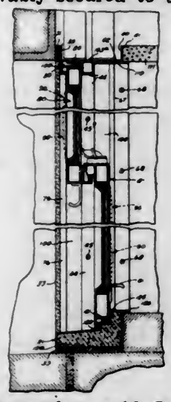
2,299,650
ROTARY CUTTING AND SCORING MECHANISM
Joseph A. Parks, Jr., Paterson, N. J., and James W. Batchelder, Titusville, Pa., assignors by mesne assignments, to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application April 23, 1940, Serial No. 331,109
16 Claims. (Cl. 164—68)



1. Apparatus for cutting a traveling web of flexible material, comprising a cutting cylinder having a cutting blade and a bearer portion; and an impression cylinder having an impression surface and a bearer portion, the bearer portions of said cylinders engaging one another and being so constructed and arranged with reference to the cutting blade and impression surface that the blade does not contact the impression surface during operative rotation of the cylinders.

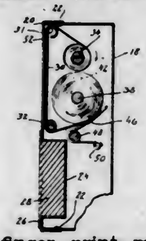
2,299,651
WINDOW CONSTRUCTION
Edmund Peremi, Manhasset, and Louis Toth, Flushing, N. Y.
Application November 2, 1938, Serial No. 238,351
6 Claims. (Cl. 189—72)

1. In a metal window, a four piece jamb comprising a channel member, a parting strip in said channel member, a single resilient metallic weather strip member held by said parting strip in said channel member and having single ply flexible tongues extending in like configuration but in opposite direction from said parting strip, said channel member terminating at its outside edge in an integral flange constituting an outer stop bead and a flange constituting an inner stop bead removably secured to the inner edge



of said channel member, said flange having a lip turned toward said parting strip, said lip adapted to overhang the free edge of the inner one of said flexible tongues, access being provided to said jamb and said weather strip by removal of said inner stop bead.

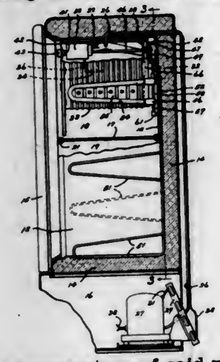
2,299,652
APPARATUS FOR FINGERPRINTING
Andrew Rahn, Detroit, Mich.
Application June 22, 1939, Serial No. 280,624
13 Claims. (Cl. 41—4)



1. A portable finger print machine of the character described comprising a box-like container, a finger print pad carried in one end of the container, a flat table portion carried in the other end of the container, said container having a transverse slot between the table portion and the finger print pad and a second slot on the opposite side of the table portion and adapted to be loaded with a continuous paper runner which extends upwardly through one of said slots and across said table portion and entering the interior of the container through the remaining slot, and means in the interior of said container controllable from outside the container for advancing a runner loaded in this manner over the table portion.

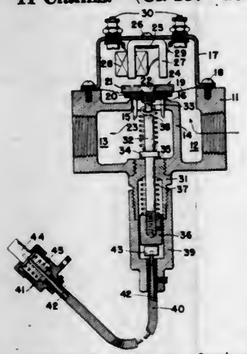
2,299,653
REFRIGERATING APPARATUS
Francis I. Rataiczak, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 19, 1941, Serial No. 379,646
10 Claims. (Cl. 62—115)

1. A refrigerating apparatus comprising, a primary cooling means normally maintained between predetermined temperature limits, a secondary circuit including a portion in heat exchange relationship with said primary cooling means and another portion adapted to produce a refrigerating effect, and a single means for



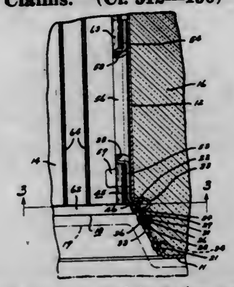
varying the temperature of said primary cooling means from said predetermined temperature limits thereof and for maintaining the refrigerating effect produced by said another portion of said secondary circuit substantially constant when the temperature of said primary cooling means is so varied.

2,299,654
MANUAL RESET VALVE
William A. Ray, Glendale, Calif.
Continuation of application Serial No. 237,029, October 26, 1938. This application February 21, 1941, Serial No. 379,980
11 Claims. (Cl. 137—139)



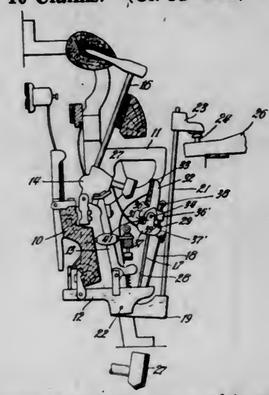
1. In a control device, an electromagnet comprising an armature member and a core member, said core member being adapted when energized to retain said armature member in engagement therewith when the members are first mechanically brought together, mechanically operable resetting means effective in its movement in one direction to move one of said members into engagement with the other, said resetting means being movable in another direction away from said one of said members while the members are magnetically retained in interengagement, means operated by the movement of said resetting means in said other direction for producing a force biasing said members apart, said last named means being so arranged that said force is a continuous function of the position of the resetting means over a substantial range of movement thereof.

2,299,655
REFRIGERATING APPARATUS
Donald H. Reeves, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 25, 1940, Serial No. 358,331
10 Claims. (Cl. 312—156)



1. In combination, a refrigerator cabinet provided with a liner defining a plurality of walls of a food storage chamber therein, said cabinet having an aperture therein forming an access opening for said chamber, a mold element forming a wall for said chamber access opening, a door for normally closing said opening, shelf supporting means having a portion thereof disposed between said liner and said mold element at each side of said chamber access opening, each of said means including a part secured to said cabinet exteriorly of said chamber and concealed by said mold element, and each of said means including another part extending a substantial distance into said chamber along a side wall thereof and being constructed and arranged to form the sole supporting means for a shelf adapted to be positioned within said chamber.

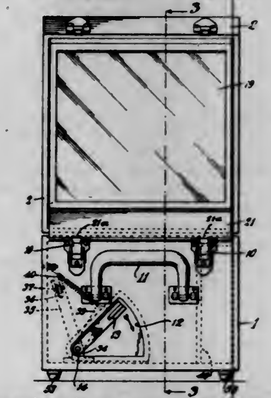
2,299,656
PIANO ACTION
Julian C. Potwin, Ivoryton, Conn.
Application May 8, 1941, Serial No. 392,431
10 Claims. (Cl. 84—240)



1. In a piano action having a whip and a hammer with a butt portion, the combination of backcheck means for said hammer including a portion supported on and substantially fixed relative to said whip, and an adjustable portion engageable with said butt portion, means movably supporting said adjustable portion on said fixed portion, and means for adjusting said adjustable portion relative to said butt portion including means in operative engagement with said fixed

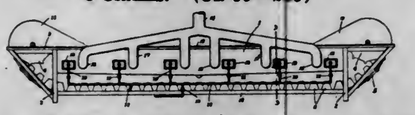
and adjustable portions, which on adjustment of said adjusting means acts to retain said adjustable portion against movement in one direction relative to said fixed portion, with said one direction of movement corresponding to the direction of movement of said butt portion from an operated to a rest position.

2,299,657
PORTABLE PROJECTOR
Ingemar K. Rystedt, Chicago, Ill., assignor to Outdoor Advertising, Incorporated, a corporation of Delaware
Application October 12, 1940, Serial No. 360,921
16 Claims. (Cl. 88—28)



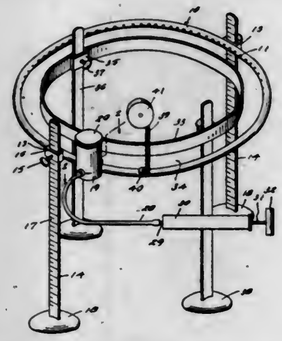
1. In combination a portable housing, a projector fixed therein, a magazine adapted to contain a plurality of slides, means for propelling successive slides from the magazine into projecting relationship with the projector, manually operated means having a portion thereof permanently positioned outside of the housing for actuating the slide propelling means, a cover for the housing and means carried thereby for automatically preventing operation of the slide propelling means when the cover is in the closed position.

2,299,658
PRUNE PROCESSOR
Charles O. Smith, San Jose, Calif.
Application April 27, 1940, Serial No. 332,023
3 Claims. (Cl. 99—239)



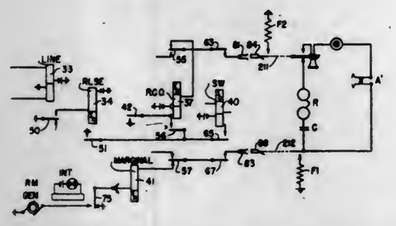
1. In a fruit processor which includes an elongated water tank, and an endless conveyor having one run thereof in said tank above the bottom of the latter; said conveyor having longitudinally spaced, perforate baskets of substantial length depending therefrom transversely of the tank, a plurality of horizontally disposed water heating firing chamber and return flue units extending into the tank transversely from one side thereof and all disposed in a common horizontal plane, and a burner for each unit, said units including relatively wide rectangular flat topped firing chambers disposed between the bottom of said baskets and the bottom of the tank, the length of said units being sufficient to underly the path of said baskets from side to side thereof.

2,299,659
SKIRT MARKING APPARATUS
Pearl Jane M. Smith, Oklahoma City, Okla.
Application July 16, 1941, Serial No. 402,685
2 Claims. (Cl. 33—9)



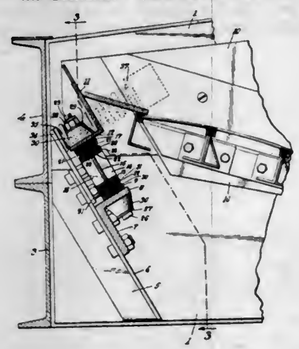
1. A skirt marking apparatus comprising a hollow annulus formed with spaced openings on the inner side thereof, adjustable supporting means for said annulus, said annulus having a V-shaped intake opening in the outer side thereof, a powder reservoir fixed to said annulus and communicating with said intake opening, a nozzle fixed in said reservoir and formed with a V-shaped jet end disposed in confronting and spaced relation with respect to said intake opening, and means connecting said nozzle to a source of air pressure.

2,299,660
AUTOMATIC TELEPHONE SYSTEM
George E. Stonebridge, Jr., New York, N. Y., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 23, 1941, Serial No. 399,266
6 Claims. (Cl. 179—18)



1. In a telephone system, a called line having a pair of line conductors, a connector switch having a pair of line wipers, means for connecting said line wipers with said line conductors, means for transmitting ringing current over said line conductors to signal the called subscriber, a ring-cut-off relay in said connector operated in response to the called subscriber answering for disconnecting said ringing current from the called line, said ring-cut-off relay also operative in case a particular one of said line wipers encounters a grounded line conductor and also operative in case the other line wiper encounters a grounded line conductor for disconnecting ringing current from the called line whereby irrespective of which line conductor is grounded said ring-cut-off relay is operated to disconnect ringing current.

2,299,661
FLEXIBLE SUPPORT FOR VIBRATED MEMBERS
Loren G. Symons, Hollywood, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 17, 1939, Serial No. 262,366
22 Claims. (Cl. 209—415)

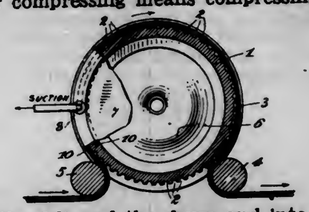


12. In combination, a screen, including a screen base, a deck mounted on said base, an abutment on said base, extending beneath and transversely of one end of said screen, an abutment on said deck extending transversely of said deck, and a flexible support interposed between said deck and said abutments, including a radius member and members of flexible compressible material inserted between opposed faces of said radius member and each of said abutments, and compression means adapted to exert compression between said abutments and against said radius member and members of flexible compressible material.

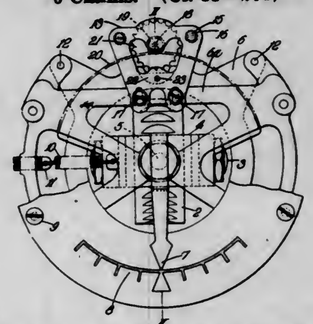
19. For use with flexible screen supports, including radius members and abutment members therefor, a rubber tilting compression block having generally parallel upper and lower faces, a relatively hard central fulcrum portion extending between said upper and lower faces and longitudinally and generally rectilinearly along said block, and relatively softer portions integral therewith and located at each side of said central hard fulcrum portion, and extending continuously along each side of the hard portion, the resistance to compression of said hard and softer portions being unequal, the relative widths and the relative resistances to compression of said hard and soft portions being such that said hard portion may function as a fulcrum member, whereby a member located against one side of said block may tilt along an axis parallel with said relatively hard central fulcrum portion.

2,299,662
DRYING DRUM FOR THE DRYING OF FELTS
Wilhelm Thaler, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Co., Inc., New York, N. Y., a corporation of New York
Application March 13, 1940, Serial No. 323,701
In Germany April 8, 1939
3 Claims. (Cl. 34—111)

1. In a drying machine for drying band shaped fabrics like paper machine felts, the combination of a drum having a plurality of grooves on the periphery thereof formed by imperforate walls, having inlet and outlet portions, said fabric being spaced from the grooves and resting on the intervening ridges thereof, air suction means removing the air at the outlet portions of the grooves, and air compressing means compressing air between the felt and the drum and into the inlet portions of the same grooves.



2,299,663
GYROSCOPIC INSTRUMENT
George Tilstone and Robert Kenneth Whitehead, Stafford, England, assignors to The English Electric Company Limited, London, England, a British company
Application February 7, 1941, Serial No. 377,940
In Great Britain March 13, 1940
6 Claims. (Cl. 33—204)

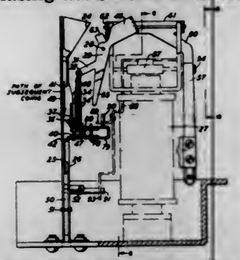


1. A gyroscopic instrument comprising a flywheel, a cradle in which the wheel is pivotally mounted, a chassis pivotally supporting the cradle for pivotal movement about an axis perpendicular to the pivotal axis of the flywheel, and retarding and damping means for the cradle comprising a driving wheel carried thereby, a pinion, an escape wheel turning with the pinion, a pivoted pallet member engaging the escape wheel and a bearing frame for the whole escapement so located that the said pinion is in driving engagement with the said driving wheel.

2,299,664
TELEPHONE COIN COLLECTOR
Charles C. Towne, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 24, 1940, Serial No. 354,093
4 Claims. (Cl. 194—1)

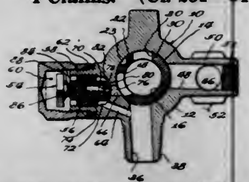
2. In a telephone coin collector having a collect chute and a refund chute and adapted to temporarily withhold from said collect chute for possible refund a first deposited coin while permitting subsequently deposited coins to pass directly into said collect chute, the combination of a coin hopper comprising an upper coin passage for receiving deposited coins, a lower coin passage spaced below said upper passage and adapted to receive coins from said upper passage, a pivoted lever having a first arm extending from its pivot towards said hopper and a second arm extending from its pivot away from said hopper, a coin bucket hinged on said first arm, said second arm

having sufficient weight to bias said bucket to a normal position in which said bucket lies between said passages for receiving and holding a coin discharged from said upper passage, the weight of a single coin in said bucket being sufficient to overcome the biasing action of said second lever arm



and cause the downward movement of said bucket, means for guiding said bucket out of the path between said passages to a position in which coins discharged from said upper passage directly enter said lower passage, and means for discharging said single coin from said bucket.

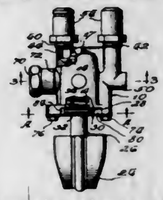
2,299,665
GAS VALVE
George F. Turner, Vincent C. Peterson, and Donald W. Ross, Chicago, Ill., assignors to Harper-Wyman Company, Chicago, Ill., a corporation of Illinois
Application February 12, 1941, Serial No. 378,510
4 Claims. (Cl. 251—34)



1. In a gas valve of the type comprising a valve body, a gas inlet passageway having a portion of substantial cross section area opening into a portion of relatively small cross section area, a shoulder formed by the junction of said portions, a gas flow adjusting mechanism including in combination, a member fixedly mounted in the larger portion of said passageway having a portion of a cross section area less than the larger portion of said passageway, and greater than the smaller portion of said passageway and in contact with said shoulder whereby the latter portion is sealed from the larger portion, and defining therewith a chamber, said member having an opening therein coaxially disposed relative to said passageway and a passageway transverse to the axis of said opening connecting said opening with said chamber and a second passageway coaxially disposed relative to said opening and connecting said opening with the smaller portion of said passageway, and a second member fitting closely in said opening and movable therein to vary the flow of gas through said first member.

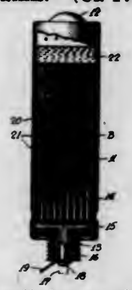
2,299,666
GAS VALVE
George F. Turner and Vincent C. Peterson, Chicago, Ill., assignors to Harper-Wyman Company, Chicago, Ill., a corporation of Illinois
Application February 12, 1941, Serial No. 378,511
15 Claims. (Cl. 74—504)

1. A position indicating and determining mechanism for a valve comprising a body and operable by a rotatable stem extending outside the body, including in combination, a first plate fixedly secured relative to said body and apertured for the passage of the stem therethrough, a second plate located adjacent said plate and rotatable by said stem, and spring means for urging said second plate toward said first plate, one of said plates being provided with substantially diametrically opposite projections of rel-



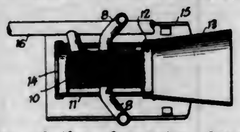
atively narrow arcuate extent and the other with substantially diametrically opposite portions each defining a pair of shoulders cooperable with said projections to restrict rotation of the stem, said shoulders being spaced apart a distance such that substantial unrestricted rotation of the stem may be effected in either direction when the projections are between a pair of shoulders defined by one portion or between adjacent shoulders defined by both portions.

2,299,667
ELECTROLYTIC CELL
Herbert Waterman, New Bedford, Mass., assignor to Aerovox Corporation, New Bedford, Mass., a corporation of New York
Application October 25, 1939, Serial No. 301,181
2 Claims. (Cl. 175—315)



1. An anode unit for an electrolytic cell comprising a multiplicity of substantially parallel fine aluminum wires, presenting a capillary bundle, each wire having a film coating thereon, an aluminum riser head to which electrical contact with one end of the bundle is made, and a molded resin block embedding the contiguous ends of the wire bundle and the head.

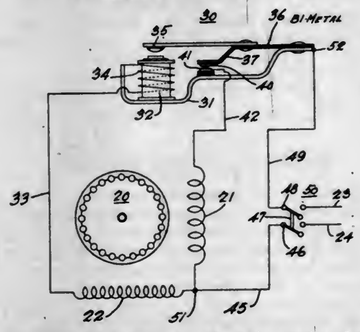
2,299,668
DISCHARGE DEVICE FOR ASH RECEPTACLES
Robert A. Webster, Santa Monica, Calif.
Application May 24, 1939, Serial No. 275,573
5 Claims. (Cl. 206—19.5)



1. A device of the character described com-

prising a refuse receiver, a suction conduit leading from the receiver, and a combined suction producing device and incinerator connected with the conduit and embodying a chamber having an air inlet at one end in open communication with the atmosphere, a flaring suction producing element at its opposite end, and perforate baffles in said chamber formed of diaphragm walls having small openings throughout their areas, said baffles operating to retain within and prevent the discharge from said chamber of unconsumed particles of refuse material until the particles are consumed while allowing free flow of air therethrough to support combustion of the particles and free discharge of the ashes of combustion.

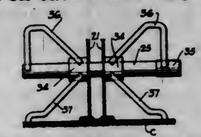
2,299,669
STARTING RELAY
Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Continuation of application Serial No. 305,109, November 18, 1939. This application June 9, 1941, Serial No. 397,312
5 Claims. (Cl. 172—279)



2. In combination, an electric motor having a starting winding and a running winding connected together at one end and to one side of a source of energy; an electromagnet connected in series with the running winding and with the other side of said energy source; an armature for said electromagnet; a bimetallic member connected to said other side of the source of energy and providing the sole support for said armature; and normally disengaged contacts, one of which is carried by the bimetallic member, the other being connected to one end of the starting winding, said contacts being engaged by mechanical flexing of the bimetallic member by the armature when the electromagnet is energized initially, and being disengaged by thermal flexure of the bimetallic member in response to an abnormal current flow therethrough.

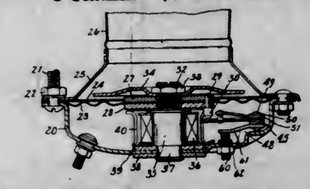
2,299,670
DOWEL BAR STRUCTURE
Clifford H. Westcott, Oak Park, Ill., assignor, by mesne assignments, to Cal C. Chambers and Robert S. Bradshaw, Jr., St. Louis, Mo., as joint tenants
Application May 20, 1935, Serial No. 22,308
4 Claims. (Cl. 94—18)

1. Means for bridging a joint in concrete slab construction comprising a load carrying bar for extending between adjacent slabs, and slab reinforcing members operatively associated with the bar on each side of the joint and having a plurality of load carrying members adapted to extend into the body of the associated slab both above and below the bar for transmitting loads between the bar and slab, one of said load carrying members on each reinforcing member adapt-



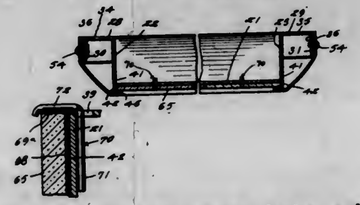
ed to extend through the slab and rest upon the subgrade and additionally serve as a support for the bar prior to and during the pouring of the concrete.

2,299,671
ELECTROMAGNETIC MOTOR SWITCH
Joe White, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 28, 1940, Serial No. 363,180
3 Claims. (Cl. 200—165)



1. A circuit breaker comprising contacts one of which is movable relative to the other, an actuating member mounted for reciprocatory movement, means for moving the actuating member, a member operatively connected with the movable contact and engaged by the actuating member, one of said members being pointed and the member being made of such material that a depression is worn therein due to the repeated engagement of said members in order that the wear between said members tends to compensate for the wear of the contacts.

2,299,672
ILLUMINATED DISPLAY DEVICE
Edward A. Willer, Washington, D. C.
Application April 9, 1941, Serial No. 387,739
9 Claims. (Cl. 40—130)



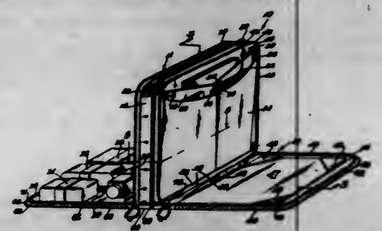
7. In an illuminated display device, a hollow body part having a front wall, said wall having its outer face provided throughout with an opaque coating, a transparent body having white display indicia on one face opposing said opaque coating, means for coupling and supporting said transparent body relative to and forwardly of said front wall, said means including an elongated member having a forwardly extended lower end portion engageable beneath said transparent body and a forwardly extending upper hook portion engageable over the upper edge of said transparent body, said hollow body being provided with openings through which the ex-

tended portions of said members engage, said transparent body being disposed for illumination from an edge thereof opposite the edge from which said transparent body is illuminated, means having an exposure opening for said indicia and for retaining said transparent body against said wall, and means for illuminating said transparent body.

2,299,673

COMBINED TRAVELING AND CORRESPONDENCE CASE

Abram Zolkind, Brooklyn, N. Y., assignor to Nathan Flomenhaft, Abram Zolkind, and Irving Solomon, a partnership doing business as Manhattan Novelty Company, New York, N. Y.
Application June 26, 1941, Serial No. 399,810
2 Claims. (Cl. 120—1)



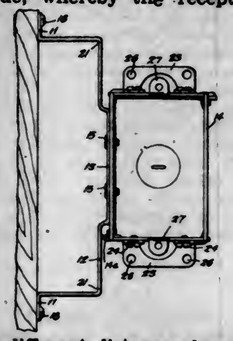
1. A traveling case having a dressing case section and a correspondence folder section, each of said sections having a cover opening on opposite sides of the case and fastening means individual to each cover; each section having a common rigid back wall; and a common rigid bottom wall extending across the bottom sides of both sections, each section having a peripheral wall carrying the fastening means individual to said section, the ends of said peripheral walls being secured to said bottom wall, the edges of said peripheral walls being secured to said back wall, the cover of the correspondence folder section being connected to said bottom wall and opening downwardly into the plane of said bottom wall, the rigid back wall being supported by the dressing case section in a position perpendicular to said bottom wall when said correspondence folder section is open, said bottom wall section forming a flat base for maintaining said rigid back wall erect while the cover of said correspondence folder section is opened to horizontal position and metallic channel reinforcements secured over the edges of the ends of said bottom wall; compartments carried by said back wall for writing materials and the like; the inside of the cover of said correspondence folder section providing a flat horizontal writing surface.

2,299,674

RECEPTACLE AND MOUNTING THEREFOR

Merritt B. Austin, Jr., Winnetka, Ill.
Application January 4, 1940, Serial No. 312,326
4 Claims. (Cl. 248—311)

2. A bracket of the type described comprising a strap having two supporting portions in stepped relation, each portion being provided with means whereby the portion may be secured to a support, said strap being provided with a frangible connection between the portions whereby the portions can be removed and the bracket selectively connected to a support and an offset portion for connection to an outlet receptacle, the stepped supporting portions being at different distances from the receptacle and the offset portion having elongate apertures extending transversely thereof and through which the connection to the outlet box is made, whereby the receptacle can be

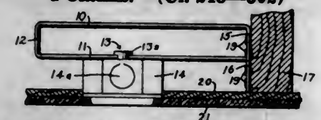


mounted at different distances from the support and in different positions laterally of the support.

2,299,675

CANTILEVER SUPPORT FOR OUTLET BOXES OR THE LIKE

Merritt B. Austin, Jr., Winnetka, Ill.
Application February 8, 1941, Serial No. 378,097
4 Claims. (Cl. 248—302)

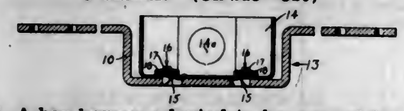


4. A bracket for mounting an outlet box on the side of a joist and in spaced relation thereto comprising a pair of spaced arms having flat surfaces for the full length thereof, either of said arms being adapted to receive an attaching means for the outlet box, the arms being joined together at one end and having the other ends bent at an angle to the flat surface and extending in the same direction, at least one of said ends lying in the space between said arms, said ends forming mounting means for securing the bracket to the side of the support with the arms one above the other, said bracket being adapted to be reversed whereby one or the other of the arms may be used to support said outlet box in a deep or shallow relation depending on the position of said mounting means.

2,299,676

BAR HANGER

Merritt B. Austin, Jr., Winnetka, Ill.
Application February 8, 1941, Serial No. 378,098
5 Claims. (Cl. 248—310)

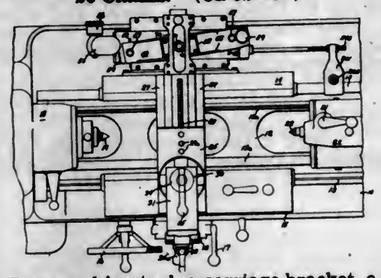


5. A bar hanger adapted to be secured to extend between a pair of joists for supporting an outlet box having a hole therein, comprising a strap having joist-engaging portions at the ends thereof and an outlet box-receiving saddle portion intermediate the ends, the saddle portion having an integral projection adapted to extend through the hole in the box, said projection being threaded to receive a nut to lock the box in position on said saddle and being of malleable material so that it may be deformed to clamp the box to the saddle portion.

2,299,677

TAPER ATTACHMENT CONSTRUCTION

Clifford A. Bickel, Sidney, Ohio, assignor to The Monarch Machine Tool Co., Sidney, Ohio, a corporation of Ohio
Application June 10, 1940, Serial No. 339,684
26 Claims. (Cl. 82—17)

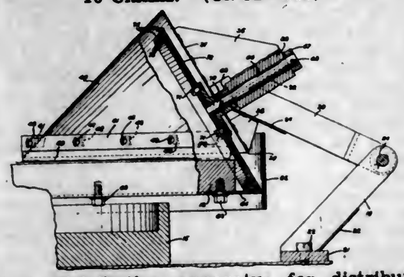


1. In a machine tool, a carriage bracket, a slide member movable with respect to said carriage bracket, means carried upon said slide member for transmitting an angular power movement when said slide and said carriage are moved relative to each other, a passageway in said carriage bracket, a continuous chain of lineally interconnected anti-friction bearing devices interposed between said carriage bracket and said slide, said chain extending continuously through said passageway and between said carriage bracket and said slide.

2,299,678

DISTRIBUTING APPARATUS

Stanley E. Boynton, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 10, 1941, Serial No. 373,919
16 Claims. (Cl. 51—263)

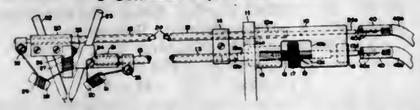


1. A distributing apparatus for distributing compound over the face of a disc comprising a trough surrounding the disc, and a circular compound carrying member positioned to bear in and be driven frictionally by said trough and to extend partially over the working face of the disc.

2,299,679

ELECTRIC WELDING TORCH

Burton L. Casner, Hoboken, N. J.
Application October 28, 1940, Serial No. 363,097
5 Claims. (Cl. 219—14)

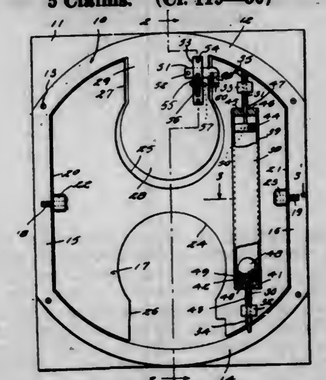


1. An electric welding torch comprising, a supporting member, a pair of electrode holders supported thereby and adapted to hold a pair of current-carrying electrodes at an angle to each other and in arc-forming position, a first magnet disposed within the angle of the normal electrode positions for forming a magnetic field transverse to the normal path of the arc to extend it away from the torch, and a pair of magnets disposed on opposite sides of said normal electrode positions at an angle of less than 180 degrees and including said normal electrode positions for developing a magnetic field in the region of the arc to concentrate the arc into substantially a point.

2,299,680

CLOSURE ATTACHMENT FOR HENS' NESTS

Morton H. Carpenter, Benton Township, Lackawanna County, Pa.
Application July 8, 1941, Serial No. 401,516
5 Claims. (Cl. 119—50)



1. A closure structure for attachment to a hen's nest comprising a stationary frame adapted to be fixed to the nest structure, a closure member for said frame, means mounting said closure member for vertical rotating movement in said frame, a pair of opposed restraining members for said closure member, means slidably mounting said restraining members on said closure member whereby one of said restraining members will move to a restraining position in engagement with said frame when said closure member is in a vertical position and the other restraining member will move in the same direction as the first mentioned restraining member to a position out of engagement with said frame to thereby restrain said closure member against rotating movement in one direction while permitting free rotation movement of said closure member in the opposite direction.

2,299,681

ATHLETIC GARMENT

Wilfred L. Childs, Winnetka, Ill.
Application May 9, 1940, Serial No. 334,101
1 Claim. (Cl. 2—224)



In athletic apparel, in combination, a body encircling garment having a waist line at its upper edge and readily changeable identifying means secured to the inner side of the upper edge of said garment so as to be normally entirely concealed, the material of said identifying means

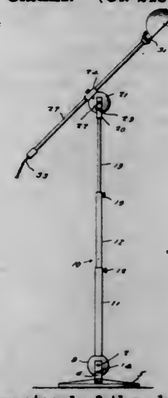
having an appearance contrasting with the appearance of the material of said garment, said identifying means being sufficiently narrow so that it can be turned down within said garment without interfering with the comfort of the wearer of said garment, said identifying means being adapted to be disposed in display position outwardly of said garment when said garment is being worn, said identifying means extending along both back and front portions of the garment.

2,299,682
APPARATUS AND METHOD FOR TAKING AND PROJECTING PICTURES
James S. Conant, Holtsville, N. Y.
Application October 20, 1939, Serial No. 300,288
9 Claims. (Cl. 88—24)



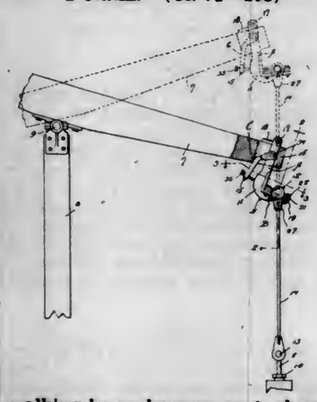
1. The method of photographically reproducing an environment which comprises interposing between a camera and a setting to be reproduced, a convex parabolic reflector having the area of greatest curvature extending toward said camera and adapted to form a distorted image of a wide angle of the surroundings in all directions about a selected point in said setting, adjusting said reflector with respect to said camera to properly position the distorted image with respect to a sensitized element therein, recording said image on the element and developing the same for projection, and then projecting said image through a structurally similar reflector onto a screen of spherical curvature, the reflector employed in projection being substantially at the center of curvature of said screen whereby the image on said screen when viewed from a point near the center of curvature is an accurate and undistorted reproduction of the surroundings photographed.

2,299,683
TROUBLE LIGHT
Lester Curtis, Ness City, Kans.
Application July 12, 1941, Serial No. 402,213
2 Claims. (Cl. 248—122)



1. In a lamp stand of the character described, a standard, a disk rotatably mounted on the upper end of the standard, means on the standard and engaging the disk for securing the latter at the desired position of rotative adjustment, said disk having a radial socket in its periphery, a sleeve having a lateral extension positioned in the socket, said sleeve having its axis disposed substantially tangential to the disk, a rod having a sliding fit through said sleeve, and means on the sleeve and engaging said rod to secure the latter at the desired position of adjustment longitudinally relative to said sleeve.

2,299,684
BEAM HANGER
Roy A. Delay, Seminole, Okla.
Application October 1, 1941, Serial No. 413,223
1 Claim. (Cl. 74—103)

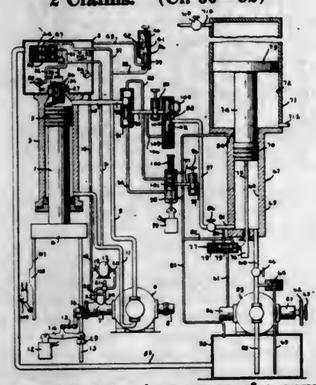


In a walking beam hanger, an L-shaped member including right angularly disposed portions and one of said portions being in the shape of a shank to extend freely through a bifurcated end of a walking beam and the other portion being of plate-like shape located subjacent to the walking beam, means for pivotally mounting the shank-shaped portion of the member on the walking beam, said plate-like portion of said member having a groove, a bearing member resting in the groove and extending beyond opposite edges of the plate-like portion and having the ends thereof enlarged and tapered to provide sharp bearing edges, straps removably securing the bearing member in the groove and detachably secured to the plate-like portion, bearings engaging the sharp bearing edges of said bearing member, collars removably secured to the ends of the bearing member to prevent accidental displacement of the bearings, means connecting said bearings to a pump rod, an arm pivoted at one end to the L-shaped member adjacent said first means within the bifurcation of the walking beam to engage with the latter during its movement, and a set screw threaded to the free end of the arm and engaging the L-shaped member.

2,299,685
HARDENABLE STEEL HEAT TREATMENT
Harold J. Elmendorf, West Boylston, Mass., assignor to United States Steel Corporation of Delaware, a corporation of Delaware
No Drawing. Application May 8, 1941, Serial No. 392,533
3 Claims. (Cl. 148—21)

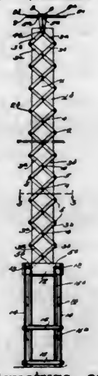
1. A hardenable steel heat treatment including heating the steel to render it austenitic, quenching the steel to a temperature causing its austenite to directly transform to a structure other than coarse pearlite or martensite, holding the steel at said temperature until only a portion of its austenite transforms to said structure, quenching the steel to transform its remaining austenite to martensite and tempering the martensite to substantially the same hardness as the structure produced by the first named quenching without tempering this structure.

2,299,686
HYDRAULIC PRESS
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Mount Gilead, Ohio, a corporation of Delaware
Original application January 15, 1940, Serial No. 313,852. Divided and this application November 28, 1940, Serial No. 367,645
2 Claims. (Cl. 60—52)



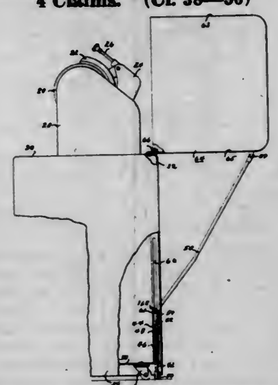
1. The combination in a press of a compression cylinder containing a piston, a platen secured to said piston, means including a first source of pressure fluid for initially moving the piston at a predetermined pressure and rate of speed, a second source of pressure fluid including an accumulator, and means for subsequently applying the pressure fluid from the second source and said accumulator to said piston in addition to, and in parallel with the pressure fluid to continue the movement of the piston at a higher rate of speed.

2,299,687
EXPANDING STRUCTURE
Hiram A. Farrand, Berlin, N. H.
Application December 4, 1941, Serial No. 421,665
9 Claims. (Cl. 189—37)



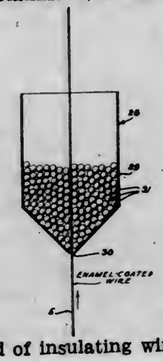
1. A composite structure comprising a thin strip of flexible longitudinally-coilable material capable of change in its cross-sectional form from a transversely-flat to a transversely-curved state, and vice versa, a system of pairs of crossed links adjacent one face of the strip, means pivotally connecting the links of each pair at their point of crossing, means pivotally connecting the links of successive pairs at points outwardly spaced from said crossing point pivots, and means coaxial with said outer pivots for engaging the longitudinal edges of said strip to retain the strip in a longitudinal rectilinear form.

2,299,688
DOMESTIC APPLIANCE
Donald K. Ferris, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 29, 1939, Serial No. 281,913
4 Claims. (Cl. 38—56)



1. An ironing machine comprising a working table having a substantially flat top, end supports for said top having integral flanges lengthwise of the top substantially aligned with the longitudinal edges of said top and also inwardly directed flanges underneath said top to form concealed stop rod supports and guides, casters on said end supports, upright stop rods slidably enclosed within said stop rod supports and guides, a cover for said flat top hinged at the rear thereof, and actuating connections between said cover and said upright stop rods.

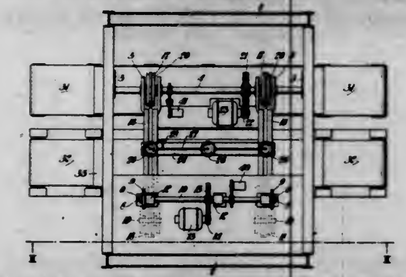
2,299,689
MANUFACTURE OF ELECTRICAL CONDUCTORS
Hal F. Fruth, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 5, 1941, Serial No. 381,830
6 Claims. (Cl. 117—128)



1. A method of insulating wire comprising the

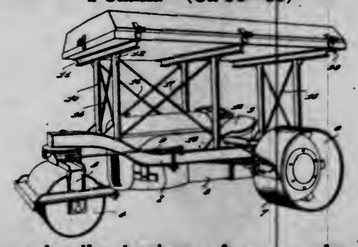
steps of applying liquid enamel on the wire, heating the wire only sufficiently to form the enamel into a tough and flexible coating, subsequently drawing the wire through a mass of small and hard particles, then applying a second coating of enamel on the wire, and finally again heating the wire to form the enamel into a hard coating.

2,299,690
METHOD OF AND APPARATUS FOR TRANSFERRING SHEET MATERIAL
August F. Giese, Jr., Gary, Ind.
Application December 27, 1940, Serial No. 372,012
8 Claims. (Cl. 271—11)



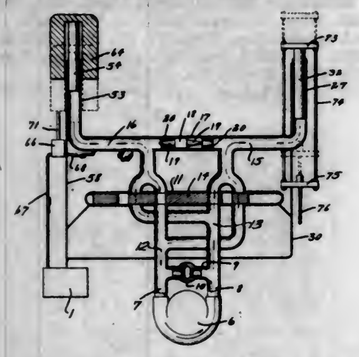
1. Apparatus for transferring sheet material from one point to another including, in combination, an endless conveyor which is adapted to move at least between said points to transfer the sheets one at a time, means arranged below said conveyor for supporting said sheets and from which point the same are to be transferred, a plurality of vacuum cups carried by said conveyor which are adapted to hold the sheets while said conveyor is transferring the same, means arranged below said conveyor for receiving said sheets and to which point the same are to be transferred, means for moving at least a portion of said conveyor in a plane substantially perpendicular to the surface of the sheet to be transferred so that the vacuum cups carried thereby are forced into contact with the sheet whereby the same is firmly gripped thereby due to suction, means for actuating said conveyor, and means for releasing the grip of said vacuum cups on said sheet when the same is positioned over said sheet receiving means.

2,299,691
ROAD ROLLER
Edward C. Gledhill, Galion, Ohio
Application June 27, 1940, Serial No. 342,825
1 Claim. (Cl. 94—50)



A road roller having a frame, a plurality of vertical posts supported on said frame, a ballast tank supported on said posts, means for bracing said posts, and said ballast tank comprising a lower pan-shaped unit and an upper inverted pan-shaped unit telescopically received therein, a gasket between the two units, and means disengageably connecting said units to compress the peripheral edge of said upper unit against the gasket to obtain a water-tight seal.

2,299,692
PUMPING APPARATUS
Edward E. Goehring, Longview, Tex.
Application May 21, 1940, Serial No. 336,331
2 Claims. (Cl. 60—52)



1. In a pumping apparatus, a pair of chambers each having an inlet port remote from its upper end, a gravity depressed plunger operable in each chamber, a pump plunger connected to one of said first mentioned plungers to be operated thereby, a unidirectional pump, means for connecting said pump to said chambers to receive liquid from one chamber and force it into the other, a liquid transmission medium in said chambers, pump and connecting means, means carried by one of said plungers for reversing the connections between said chambers and said pump when said plunger reaches each end of its stroke, a cylinder having one end connected to each of said chambers, a piston slidably mounted within said cylinder, a choke opening on each side of said piston, and means closing said choke opening on movement of said piston to check movement of said piston.

2,299,693
COATING FOR PAPER
Barrett K. Green, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application February 23, 1940, Serial No. 320,385
19 Claims. (Cl. 106—236)



9. A liquid coating for paper consisting of the mixture of two emulsions one of said emulsions being:

	Grams
1:1 solution of gum dammar in toluene	100
Di-(para tert-butylphenyl) mono-phenyl phosphate ($C_{26}H_{31}O_4P$)	8.5

having dispersed therein

	Grams
Glycerine	33
Ferric ammonium sulphate	3.2
Water	14

and the second of said emulsions being:

	Grams
1:1 solution of gum dammar in toluene	100
Di-(para tert-butylphenyl) mono-phenyl phosphate ($C_{26}H_{31}O_4P$)	8.5

having dispersed therein

	Grams
Glycerine	33
Gallic acid	6.4
Water	14

both of said dispersed phases having a particle size of less than .1 millimeter in diameter.

2,299,694
MANIFOLDING MATERIAL
Barrett K. Green, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application March 9, 1940, Serial No. 323,155
19 Claims. (Cl. 106—236)



10. An emulsion for coating paper having a continuous phase which is a solution of

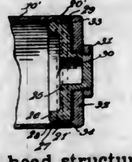
	Per cent by weight
Toluene	50
Gum dammar	50

taken three parts, and the discontinuous phase of which is

	Per cent by weight
Glycerine	80
Polyethylene glycol	14
Carbon black, or other pigment	6

taken one part, and emulsified so that the discontinuous phase is of a particle size invisible to the unaided eye.

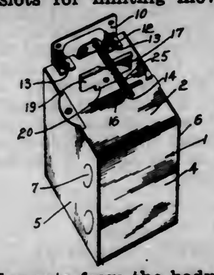
2,299,695
CYLINDER CAP LOCKING AND SEALING MEANS
Whitney E. Greene, Studio City, Calif.
Application March 10, 1941, Serial No. 382,622
2 Claims. (Cl. 309—2)



1. A cylinder and head structure consisting of a thin-walled cylinder having a circumscribing groove thereon, a ring of substantially rigid structure engaged in the groove, a cylinder head having a longitudinally projected flange extended beside the cylinder beyond said ring, a compressible seal ring at one side of the first named ring, means on the head to engage the first ring at the inner side, and means contacting the head to engage the seal ring, the two means last named including compression means to draw the first ring toward the head.

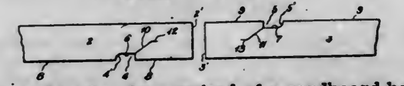
2,299,696
OUTLET BOX
Alfred L. Gregersen, Waterloo, Iowa
Application January 25, 1940, Serial No. 315,607
2 Claims. (Cl. 220—3.6)

2. In an outlet box, a body having top and bottom walls each provided with a guide slot and a clamping element receiving slot, said slots intersecting, mounting flanges carried by the body at the forward ends of the walls, clamping elements slidably mounted on the body, each of said clamping elements having a body plate and a mounting portion, said mounting portion having a kerf defining a tongue and a lower member, the tongues of the clamping elements being engageable in the guide slots and the lower members being engageable with the margins defining the guide slots for limiting movement of said



clamping elements from the body, and clamping screws having threaded connection with the clamping elements and being rotatable in one direction for shifting said clamping elements to a position to cooperate with the mounting flanges for clamping the outlet box in a wall, said clamping screws being rotatable in an opposite direction for shifting the clamping elements rearwardly and disposing said clamping elements for retraction through the clamping element receiving slots whereby free movement of the body into and out of a wall opening will be permitted.

2,299,697
LOCKING BAND
William F. Gruber, French Lick, Ind.
Application October 15, 1941, Serial No. 415,073
7 Claims. (Cl. 24—17)



4. A shirt band comprised of a cardboard body strip having cut-outs formed upon opposite edges thereof adjacent its ends, slits formed in the body end portions and extended at an angle to the strip edges from the inner or base sides of the respective cut-outs toward the edges respectively opposite to those in which the cut-outs are formed, and other slits communicating respectively with the aforementioned slits and extended toward the respective strip ends substantially parallel to the strip edges.

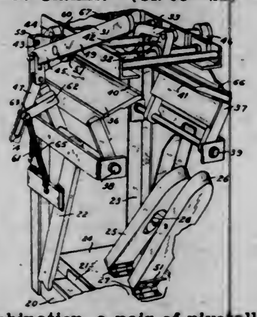
2,299,698
CALENDAR FOR PENCIL CASES
Boris Halperin and David Jedwabnik, New York, N. Y.; said Halperin assignor to said Jedwabnik
Application February 12, 1941, Serial No. 378,552
2 Claims. (Cl. 40—108)



1. A calendar for a pencil case comprising a hollow member having a plurality of openings

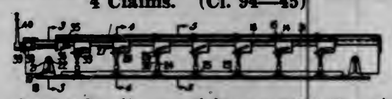
therein, a plurality of cylinders including a first cylinder, an intermediary cylinder and two adacent cylinders arranged on opposite ends of said intermediary cylinder, said cylinders being rotatably arranged in said hollow member adacent said openings, a first shaft having an operating knob arranged outside of said hollow member and being coaxial therewith, said first cylinder being secured to said first shaft, a longitudinally displaceable hollow shaft coaxially arranged to said first shaft and having an operating knob at its free end projecting out of said hollow member, said hollow shaft having a polygonal member fixed thereon, a polygonal opening on said intermediary cylinder for engagement with said polygonal member, the length of said polygonal member being less than the length of said polygonal opening in said intermediary cylinder, and polygonal recesses in said adjacent cylinders adapted to be engaged with said polygonal member when said hollow shaft is displaced within said hollow member.

2,299,699
ART OF PACKING
Paul B. Hultkrans, Milwaukee, Wis., assignor to Milprint, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 28, 1940, Serial No. 358,859
10 Claims. (Cl. 93—22)



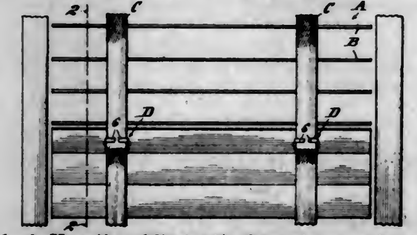
1. In combination, a pair of pivotally mounted spreader arms insertible within a tubular wrapper and being relatively separable during swinging thereof to distend the wrapper into approximately rectangular shape, a pair of fingers insertible within the end of the distended tube remote from said arms, means for spreading said fingers to stretch said tube end transversely beyond the arms, and a pair of pivotally suspended sealing jaws swingable against the outer portion of the tube beyond said arms and closely adjacent to the free ends of said fingers to produce a final seal extending across the tube.

2,299,700
SCREED UNIT
Arnold S. Millikin and John H. Apel, Columbus, Ohio, assignors to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application July 30, 1940, Serial No. 348,376
4 Claims. (Cl. 94—45)



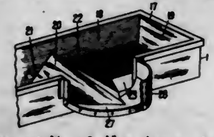
1. A screed unit comprising a supporting structure, a longitudinally extending surfacing member which is flexible so that it may be bowed, a plurality of rod members for suspending said surfacing member from said supporting structure, said rod members being arranged in two rows adjacent the forward and rear edges of said surfacing member and having their lower ends connected to said surfacing member, said rod members being disposed at intervals spaced longitudinally of said surfacing member, a vertically disposed cam plate associated with the upper end of each of said rod members, each of said plates having an inclined slot formed therein, each of said rod members carrying a transversely disposed pin adjacent its upper end which extends into the inclined slot of the associated cam plate, a single unit extending longitudinally of said supporting structure at a point spaced above the surfacing member and carrying said cam plates at intervals spaced longitudinally thereof, said unit being mounted on said supporting structure for reciprocation longitudinally relative to said surfacing member, means carried by said supporting structure for reciprocating said unit, the inclination of the slots in the various cam plates varying to produce proper bowing of said surface member upon reciprocation of said unit, said surfacing member having its ends hinged to said supporting structure, each of said rod members being adjustable to vary the length thereof.

2,299,701
VENETIAN BLIND ATTACHMENT
Bernard C. Mitchell, Los Angeles, Calif., assignor of one-third to Alan Hale and one-third to Thomas D. Corcoran, both of Los Angeles, Calif.
Application January 21, 1941, Serial No. 375,225
8 Claims. (Cl. 160—115)



1. A Venetian blind attachment comprising a flat elongated body having along the approximate longitudinal median line thereof a slot for receiving the slat supporting tape of a Venetian blind, with said slot opening at a margin of the body to permit of insertion of the tape into the slot, said body after inserting the tape in said slot being adapted to be turned about said slot as an axis to form flat folds in the tape with the folds encompassing substantially the entire body, and means on said body for clamping the folds against and maintaining them on said body.

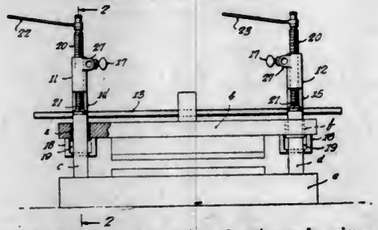
2,299,702
PORTABLE HOPPER
Joseph H. Mosel, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application April 1, 1941, Serial No. 386,368
3 Claims. (Cl. 189—3)



1. A hopper unit of the type described com-

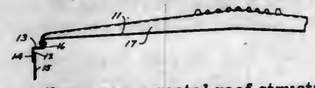
prising a container, a partition dividing the container into separate compartments, a material receiving bulge formed in one wall of said container, said partition extending into said bulge and being of such a nature that it will direct the material into both of said compartments.

2,299,703
MEANS FOR SEPARATING DIE SETS
Joseph L. Schwabe, Jr., Milwaukee, Wis., assignor to Erwin L. Schmidt, Milwaukee, Wis.
Application June 28, 1939, Serial No. 281,599
1 Claim. (Cl. 29—84)



A separator for die sets of a type having parallel leader pins on one member withdrawable from another member of the set, said separator comprising jacks for applying a separating thrust to each of said pins and said last named member to effect relative withdrawal movements therebetween, and operating handles on said jacks angularly adjustable into parallelism relative to each other and simultaneously operable to effect simultaneous withdrawal movements between said pins and last named member at equal rates.

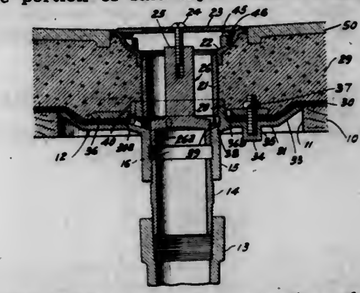
2,299,704
COMBINED ROOF AND RUNNING BOARD
Sven J. Strid, Chicago, Ill., assignor to T & S Corporation, Chicago, Ill., a corporation of Illinois
Application July 2, 1941, Serial No. 400,734
9 Claims. (Cl. 108—5.4)



8. In a railway car, a metal roof structure comprising sheet metal plates each extending entirely across the car roof, said plates being secured together and bent to form a roof structure, said plates having incorporated therein a plurality of projections integral therewith to form the tread surface of a running board extending along the central portion of the roof from one end to the other.

2,299,705
SHOWER STALL SUBDRAINER
Bennett Svirsky, Glendale, Calif., assignor of one-half to Charles W. Sievert
Application September 23, 1941, Serial No. 411,997
9 Claims. (Cl. 182—31)

1. A sub-drainer fitting comprising a tubular central portion having a radial flange extending therearound to collect moisture, said tubular portion having an internal annular channel occupying the space surrounded by said flange, said tubular portion having a plurality of circumferentially spaced external lugs upstanding from the inner portion of said flange, there being through the basal portion of each of said lugs, a drainage passage which leads into said annular channel, said radial flange being adapted to support a layer of liquid impervious material, an annular clamping plate to cover said layer when the latter is superimposed upon said flange in an outwardly spaced relation to said tubular portion, and means to clamp said plate down upon the inner edge portion of said layer with the inner periphery of said plate in a contacting relation to the outer sides of said lugs, whereby to protect said openings from floor material applied above said layer, said tubular portion being internally screw threaded to have pipe sections screwed into it above and below the aforesaid internal channel thereof.



2,299,706
BALL COCK DEVICE
Bennett Svirsky, Glendale, Calif.
Application October 27, 1941, Serial No. 416,607
5 Claims. (Cl. 137—104)



1. In a ball cock valve structure, a valve casing having a bottom port, there being a valve seat which surrounds said port, a plunger mounted within said casing for vertical reciprocation to and from a position wherein it contacts with said valve seat, there being within said casing an annular chamber around the lower end of said plunger when the latter is seated, an annular anti-syphon valve body encircling said plunger and secured thereto in an upwardly spaced relation to its lower end, said valve body carrying a circumferential horizontal fin, the upper portion of said casing being diametrically contracted, thereby forming an annular valve seat with which said fin contacts when the plunger is at the upper limit of its travel, there being above the latter valve seat an upward tubular extension of said casing which forms an annular passage around said plunger, said extension having a top wall through which is a central passage, said passage being surrounded by a depending tubular flange

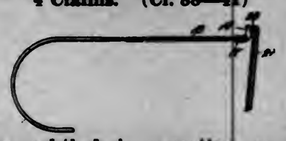
of said wall, said casing extension having anti-syphon outlets above the lower end of said flange and the aforesaid fin of the anti-syphon valve being sufficiently flexible so that, in case said plunger is forced upwardly beyond the normal limit said fin will close the annular passage within said casing extension and will prevent outflow of water through said anti-syphon openings.

2,299,707
WATER CONTROL FOR CLOSET TANKS
Bennett Sviraky, Glendale, Calif.
Application February 16, 1942, Serial No. 431,017
4 Claims. (Cl. 137—104)



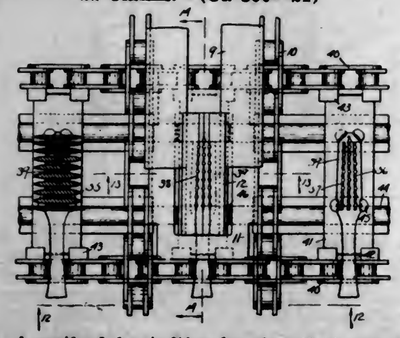
1. The combination, with the flushing tank of a toilet and an upstanding supply pipe in said tank; of a float controlled inlet valve structure mounted upon said pipe, said structure including a tubular valve casing and a plunger valve vertically slidable therein to and from a position wherein its lower end engages a valve seat in said casing, an outer tubular member surrounding said valve casing and having an interior circumferential recess forming a channel therearound, said valve casing having outlet ports communicating with said channel and said outer tubular member having a skirt portion in a surrounding outwardly spaced relation to said pipe thus affording a downwardly directed annular outlet channel leading from the first recited channel, and a silencing means rising and falling with the water level in said tank surrounding said pipe in a position for the water issuing from said downwardly directed channel to strike against.

2,299,708
OPHTHALMIC MOUNTING
Thomas E. Bosworth, Cranston, R. I., assignor to Universal Optical Company, Inc., a corporation of Rhode Island
Application June 24, 1940, Serial No. 342,079
4 Claims. (Cl. 88—41)



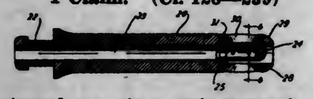
1. In an ophthalmic mounting, an assembly comprising a pair of arcuate temple support bars disposed in generally an upright plane, a bridge connecting said bars, end pieces carried by said bars, temples hinged to said end pieces, said temples and end pieces being disposed in a plane extending at substantially right angles to the plane of said bars, a pair of lenses, lens rims for said lenses and studs projecting forwardly from said bars and connected to said rims and arranged to dispose the rims at an acute angle to the plane of said bars.

2,299,709
METHOD FOR TUFTING BRUSHES AND MACHINE FOR PRACTICING THE METHOD
Henry Cave, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut
Application February 14, 1940, Serial No. 318,891
22 Claims. (Cl. 300—21)



1. A method for tufting brushes that embodies a continuous operation of removing a row of separate and divided tufts from a mass of brush material in one position, transferring said row to another position and there inserting said tufts in entrance ends of different open-ended sockets in a magazine, moving said magazine to a position adjacent a brush head, and then simultaneously forcing the tufts out of the opposite ends of the sockets into said brush head to be secured therein.

2,299,710
NOZZLE CONSTRUCTION
William Francis Dray, Providence, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island
Application July 26, 1940, Serial No. 347,692
1 Claim. (Cl. 128—239)



An integral one-piece syringe nozzle comprising a generally cylindrical body having a longitudinal bore, the distal end of the body terminating in a nozzle end having an open ended annular counterbore with openings in the walls thereof, and a cylindrical head in said nozzle end extending inwardly from the body and positioned in said counterbore in alignment therewith and spaced from the walls thereof to provide a continuation of the longitudinal bore, said head having spray openings in its walls and a closed terminal end.

2,299,711
LEAD ALLOY
Horace W. Gillett, Columbus, Ohio, assignor to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
No Drawing. Application August 19, 1940, Serial No. 353,243
3 Claims. (Cl. 75—166)

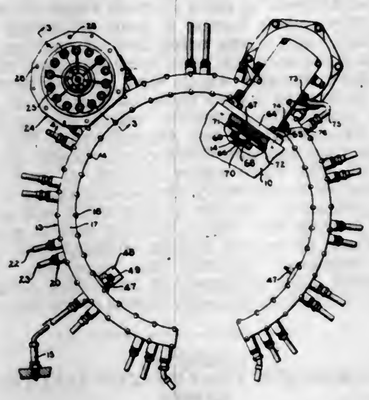
1. An alloy consisting of ½ to 10 per cent tin, 6 to 18 per cent antimony, 1 to 10 per cent silver, an appreciable amount up to ½ per cent copper and the balance substantially all lead plus the usual impurities, said alloy being characterized by high and permanent hot-hardness and good bondability as compared with similar alloys lacking the silver.

2,299,712
LEAD ALLOY
Horace W. Gillett, Columbus, Ohio, assignor to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
No Drawing. Original application August 17, 1940, Serial No. 353,243. Divided and this application May 11, 1942, Serial No. 442,432
4 Claims. (Cl. 75—166)

1. An alloy containing ½ to 10 per cent tin, 6 to 18 per cent antimony, 1 to 10 per cent silver and the balance substantially lead plus the usual impurities, said alloy being characterized by high and permanent hot-hardness and good bondability, as compared with similar alloys lacking the silver.

2,299,713
WITHDRAWN

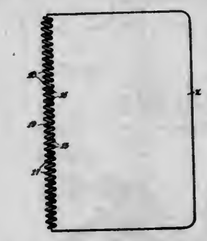
2,299,714
RADIO SHIELDED IGNITION MEANS
Walter J. Spengler, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 22, 1940, Serial No. 325,307
26 Claims. (Cl. 123—148)



1. In apparatus of the class described, a rigid tubular shielding manifold for ignition conductors and having spaced outlets for individual conductors, an open faced housing portion integral with said manifold, an ignition distributor block secured in said housing portion, and a plurality of ignition conductors in said manifold having electrical connection with contacts on said block within said housing portion.

2,299,715
COIL BINDER
Rudolf Tauber, New York, N. Y.
Application September 12, 1941, Serial No. 410,506
3 Claims. (Cl. 281—21)

1. In combination with a book containing a multiplicity of leaves, said book having a plurality of uniformly spaced perforations in its rear margin, a helically coiled strand of non-metallic material threaded through certain portions of



said perforations, said coil being wound left-hand, and a second coil passed through the remaining perforations, said second coil being wound right-hand.

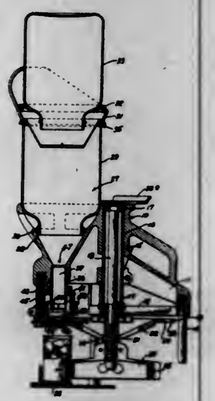
2,299,716
PROCESS FOR THE PRODUCTION OF HYDROAROMATIC HYDROCARBONS
Adrianus Johannes van Peski, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 11, 1940, Serial No. 334,586. In the Netherlands September 15, 1939
8 Claims. (Cl. 260—666)

1. A process for the production of cyclohexane from naphthenic distillates which comprises the steps of separating from a naphthenic distillate by fractional distillation a fraction boiling up to about 75–78° C. and containing paraffin hydrocarbons and naphthenic hydrocarbons of non-hydroaromatic character having substantially equal boiling points, treating said separated fraction at a temperature below about 200° C. in the liquid phase under isomerization conditions with an aluminum chloride-hydrocarbon complex catalyst, and recovering cyclohexane from the isomerized distillate by fractional distillation.

2,299,717
SALT MEASURING AND DISPENSING MACHINE
William J. Emmons, Oakland, and Bernard S. Gallagher, Piedmont, Calif., assignors to Salter Machine Company, Oakland, Calif., a corporation of California
Application December 11, 1939, Serial No. 308,570
23 Claims. (Cl. 226—99)

1. In a device of the character described, a hopper for containing granular material having a discharge opening, a measuring member below said discharge opening movable in a fixed path in a horizontal plane and having a granular material receiving measuring aperture formed therethrough, a magazine mounted for universal movement and floatingly supported in a position intermediate said discharge opening and measuring member and yieldably but slidably bearing on said member, said magazine to receive granular material from said hopper and having a port in its wall which engages the measuring member to discharge granular material into said measuring aperture when the same registers with said port, and a closure member mounted for universal movement and floatingly supported adjacent said measuring member and yieldably but slid-

ably engaging the surface thereof opposite that engaged by the magazine and in vertical registry



with the port thereof to close said measuring aperture when the latter registers with said port.

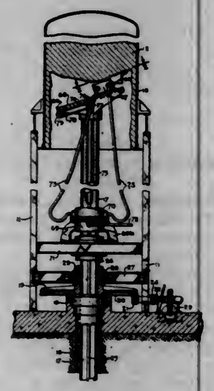
2,299,718

REMOVING COKE FROM COKE STILLS

Luis de Florez, Pomfret, Conn., assignor to De Florez Engineering Co. Inc., Hartford, Conn., a corporation of Connecticut

Original application July 22, 1938, Serial No. 220,714. Divided and this application September 7, 1940, Serial No. 355,735

1 Claim. (Cl. 83—6)



Apparatus for removing coke from coking chambers comprising a hydraulic pressure plunger, power-operated means adapted to rotate said plunger simultaneously with the thrust movement thereof, an inclined table mounted on said plunger and adapted to rotate therewith, a screw-threaded shaft mounted transversely of the inclined table, a cutting head on the inclined table and mounted on the screw-threaded shaft for movement thereon transversely of the inclined table, a cutting element carried by said cutting head and disposed for reciprocating movement in a plane parallel to the inclined table, separate power-operated means adapted to impart reciprocating movement to the cutting element simultaneously with the rotary and thrust movements of the plunger and means for operating the screw-threaded shaft to move the cutting head to a desired position.

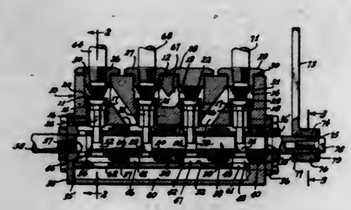
2,299,719

HYDRAULIC VALVE

Hobart F. Frimel, West Los Angeles, Calif., assignor to Interstate Aircraft and Engineering Corp., a corporation of California

Application September 28, 1940, Serial No. 358,769

6 Claims. (Cl. 277—20)



1. In fluid control means, a housing having a system of fluid passages including an inlet and an outlet, said housing having a plurality of valve chambers and having a bore at one end of said valve chambers; a valve in each valve chamber, said valves each having a stem extending into said bore, said stems being free of packing and of less cross-sectional area than any part of the chambers through which they extend whereby fluid is free to travel along the length of said stems when the respective valves are open; a shaft in said bore of less diameter than the bore having cam sections thereon engageable by the ends of said valve stems, certain of said cam sections being angularly displaced relative to the others whereby rotation of said shaft will selectively operate the valves; packing means around said shaft at spaced regions dividing said bore into chambers opposite the respective valve chambers, said chambers in said bore forming a part of the fluid passage system of the housing.

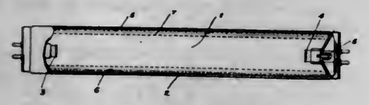
2,299,720

LUMINESCENT COATING FOR ELECTRIC LAMPS

George E. Holman, Melrose, Mass., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts

Application October 26, 1940, Serial No. 362,983

3 Claims. (Cl. 176—122)



1. A coating on the inner walls of an electric gaseous discharge lamp comprising: a primary layer of light-filtering material, an intermediate layer comprising a mixture of substantially 50% by weight of light-filtering material and 50% by weight of luminescent material and a final layer of luminescent material.

2,299,721

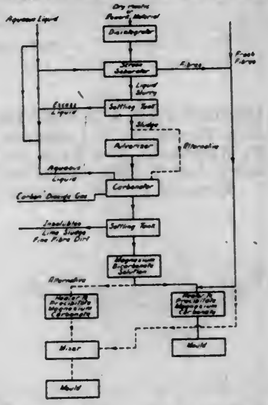
MAGNESIA COMPOSITION AND METHOD OF PREPARING SAME

Walter M. Perry, North Plainfield, N. J., and Thomas C. Pond, Larchmont, N. Y., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application June 29, 1939, Serial No. 281,854

11 Claims. (Cl. 106—121)

1. The process of preparing a magnesia composition suitable for use in the manufacture of molded magnesia products including reclaimed magnesium carbonate and fibres derived from a plastic which comprises treating the plastic with an aqueous liquid to form a slurry, separating fibrous ingredients from the slurry, subjecting the slurry to the action of a gas to dissolve soluble magnesium products to form a magnesium bicarbonate solution, separating insoluble fines from the magnesium solution, and then heating

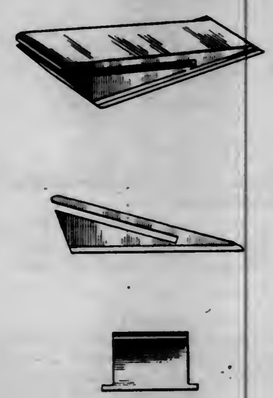


the magnesium solution to precipitate hydrated magnesium carbonate.

DESIGNS

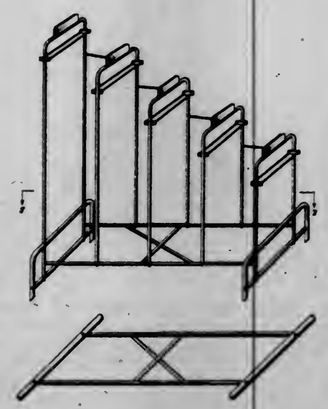
OCTOBER 20, 1942

134,108
DESIGN FOR A DOORSTOP
Joseph Adler, Bronx, N. Y., assignor to Stanley M. Musicante, New York, N. Y.
Application July 6, 1942, Serial No. 107,433
Term of patent 7 years



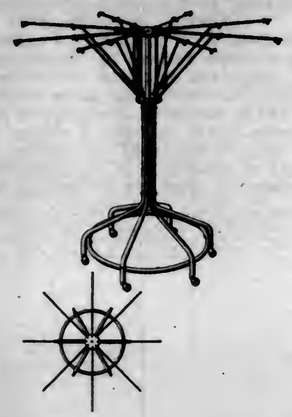
The ornamental design for a doorstop, as shown.

134,109
DESIGN FOR A CURTAIN DISPLAY RACK
Albert Bersin, Brooklyn, and Louis Samuels, New York, N. Y.
Application March 8, 1941, Serial No. 99,424
Term of patent 7 years



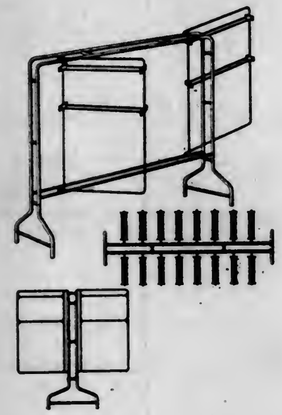
The ornamental design for a curtain display rack, as shown.

134,110
DESIGN FOR A DISPLAY STAND FOR FABRICS OR THE LIKE
Albert Bersin, Brooklyn, and Louis Samuels, New York, N. Y.
Application March 8, 1941, Serial No. 99,425
Term of patent 7 years



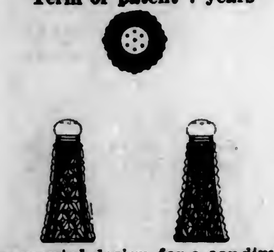
The ornamental design for a display stand for fabrics or the like, as shown.

134,111
DESIGN FOR A CURTAIN DISPLAY RACK
Albert Bersin, Brooklyn, and Louis Samuels, New York, N. Y.
Application May 21, 1941, Serial No. 101,059
Term of patent 7 years



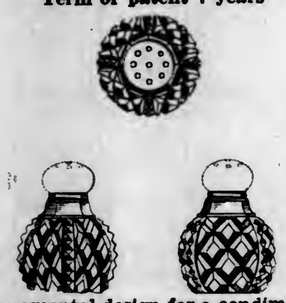
The ornamental design for a curtain display rack, as shown.

134,112
DESIGN FOR A CONDIMENT HOLDER
Alfred J. Flauder, Trumbull, Conn., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn., a corporation of Connecticut
Application June 27, 1942, Serial No. 107,355
Term of patent 7 years



The ornamental design for a condiment holder, substantially as shown.

134,113
DESIGN FOR A CONDIMENT HOLDER
Alfred J. Flauder, Trumbull, Conn., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn., a corporation of Connecticut
Application June 27, 1942, Serial No. 107,356
Term of patent 7 years



The ornamental design for a condiment holder, substantially as shown.

134,114
DESIGN FOR A DISPLAY CARD
Warren Paul Goshorn, Kansas City, Mo.
Application March 9, 1942, Serial No. 106,123
Term of patent 7 years



The ornamental design for a display card, as shown.

134,115
DESIGN FOR AN ANIMATED AMUSEMENT DEVICE
Maxwell B. Litwin, New York, N. Y.
Application January 22, 1942, Serial No. 105,353
Term of patent 3½ years



The ornamental design for an animated amusement device, substantially as shown.

134,116
DESIGN FOR A MASK FOR STUFFED TOYS OR SIMILAR ARTICLE
Jacob Swedlin, Brooklyn, N. Y.
Application August 1, 1942, Serial No. 107,781
Term of patent 7 years



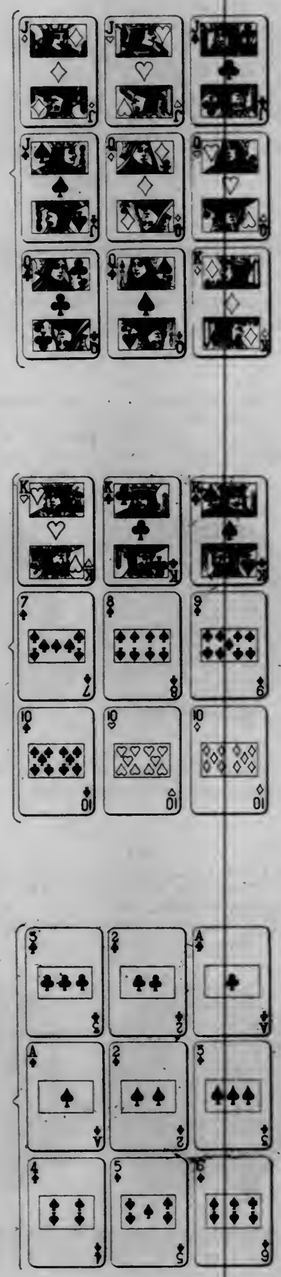
The ornamental design for a mask for stuffed toys or similar article, substantially as shown.

134,117
DESIGN FOR A MASK FOR STUFFED TOYS OR SIMILAR ARTICLE
Jacob Swedlin, Brooklyn, N. Y.
Application August 1, 1942, Serial No. 107,782
Term of patent 7 years

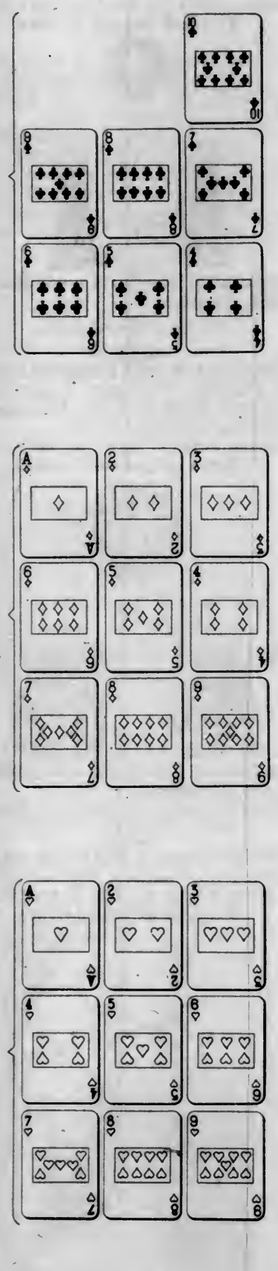


The ornamental design for a mask for stuffed toys or similar article, substantially as shown.

134,118
DESIGN FOR A DECK OF PLAYING CARDS
Claude S. Demorest, Oteen, N. C.
Application May 4, 1942, Serial No. 106,791
Term of patent 14 years



134,118—Continued



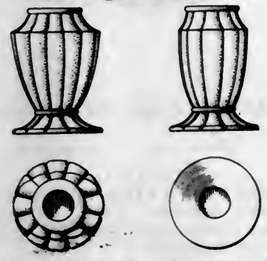
The ornamental design for a deck of playing cards, as shown and described.

134,119
DESIGN FOR A MEDAL OR SIMILAR ARTICLE
Michael Di Sanza, New York, N. Y.
Application September 4, 1942, Serial No. 108,140
Term of patent 3½ years



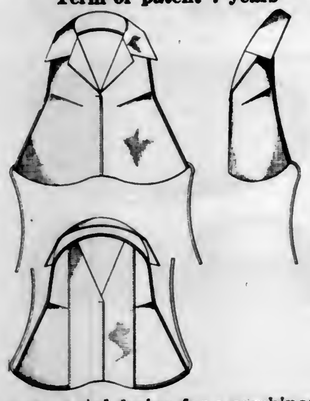
The ornamental design for a medal or similar article, as shown.

134,120
DESIGN FOR A SUPPORT FOR A CIGARETTE LIGHTER OR THE LIKE
Irving Florman, New York, N. Y.
Application June 4, 1942, Serial No. 107,096
Term of patent 14 years



The ornamental design for a support for a cigarette lighter or the like, substantially as shown.

134,121
DESIGN FOR A COMBINATION DICKEY BLOUSE
Toby Katzman, New York, N. Y.
Application May 28, 1942, Serial No. 107,039
Term of patent 7 years



The ornamental design for a combination dickey blouse, substantially as shown.

134,122
DESIGN FOR AN APPLIQUE EMBLEM
Isabelle A. Roth, New York, N. Y.
Application August 5, 1942, Serial No. 107,817
Term of patent 3½ years



The ornamental design for an applique emblem, substantially as shown.

134,123
DESIGN FOR A STUFFED TOY OR SIMILAR ARTICLE
Jacob Swedlin, Brooklyn, N. Y.
Application August 1, 1942, Serial No. 107,778
Term of patent 7 years



The ornamental design for a stuffed toy or similar article, substantially as shown.

134,124
DESIGN FOR A STUFFED TOY OR SIMILAR ARTICLE
Jacob Swedlin, Brooklyn, N. Y.
Application August 1, 1942, Serial No. 107,779
Term of patent 7 years.



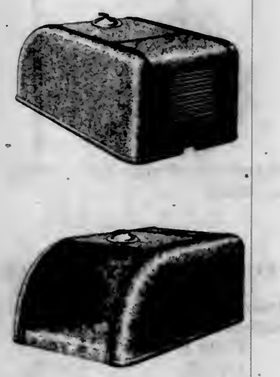
The ornamental design for a stuffed toy or similar article, substantially as shown.

134,125
DESIGN FOR A STUFFED TOY OR SIMILAR ARTICLE
Jacob Swedlin, Brooklyn, N. Y.
Application August 1, 1942, Serial No. 107,780
Term of patent 7 years



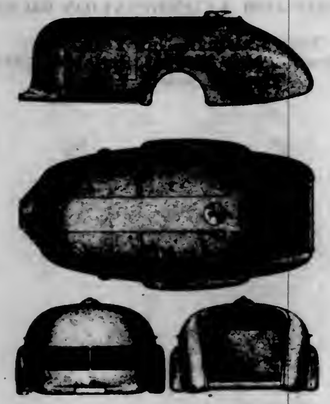
The ornamental design for a stuffed toy or similar article, substantially as shown.

134,126
DESIGN FOR A FIRE TRUCK BODY
Leonard Aker, Atherton, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 16, 1942, Serial No. 106,205
Term of patent 14 years



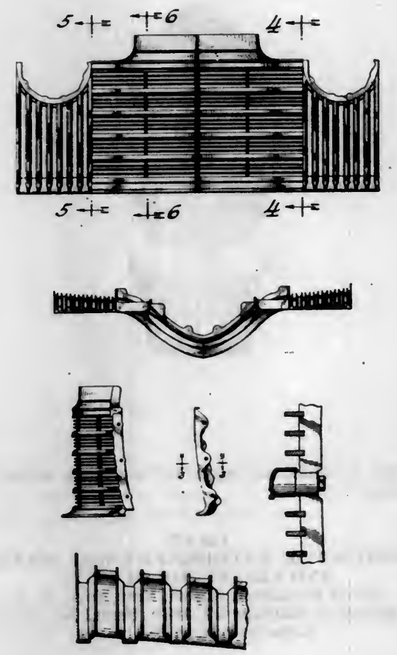
The ornamental design for a fire truck body, as shown.

134,127
DESIGN FOR A FIRE TRUCK BODY
Leonard Aker, Atherton, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application July 13, 1942, Serial No. 107,520
Term of patent 14 years



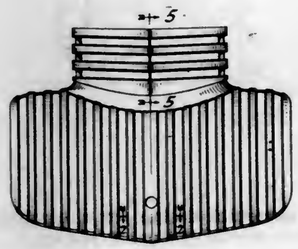
The ornamental design for a fire truck body, as shown.

134,128
DESIGN FOR A RADIATOR GRILLE FOR AN AUTOMOBILE
Edmund E. Anderson, Pleasant Ridge, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 24, 1941, Serial No. 99,189
Term of patent 7 years

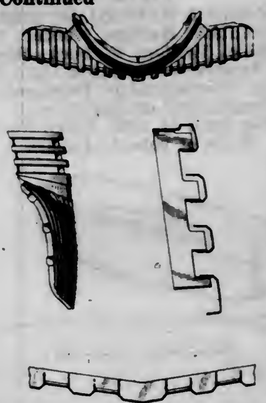


The ornamental design for a radiator grille for an automobile, as shown.

134,129
DESIGN FOR A RADIATOR GRILLE FOR A TRUCK
William O. Block, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 10, 1941, Serial No. 99,461
Term of patent 7 years

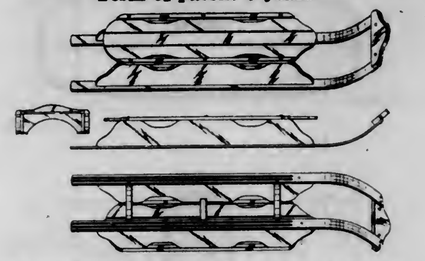


134,129—Continued



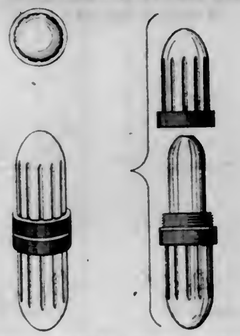
The ornamental design for a radiator grille for a truck, as shown.

134,130
DESIGN FOR A SLED
John H. Burr, New Richmond, Wis.
Application August 29, 1942, Serial No. 108,074
Term of patent 7 years



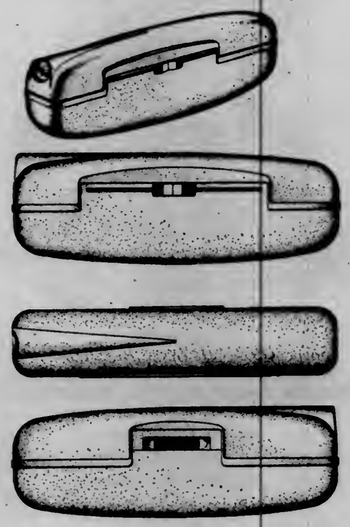
The ornamental design for a sled, as shown.

134,131
DESIGN FOR AN INHALER
Philip A. Derham and Jesse H. Newport, Jr., Rosemont, Pa., assignors to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application February 26, 1942, Serial No. 105,988
Term of patent 7 years



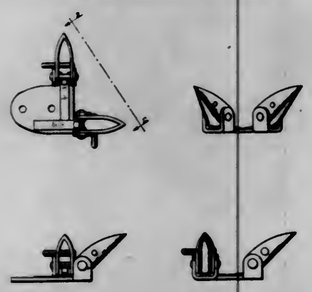
The ornamental design for an inhaler, substantially as shown.

134,132
DESIGN FOR A HEMOGLOBINOMETER
Albin A. Gradisar, Buffalo, Morden G. Brown, Williamsville, William F. Peck, Snyder, and John T. Armbruster, Niagara Falls, N. Y., assignors to Spencer Lens Company, Buffalo, N. Y., a corporation of New York
Application April 21, 1942, Serial No. 106,644
Term of patent 14 years



The ornamental design for a hemoglobinometer, substantially as shown and described.

134,133
DESIGN FOR A WINDOW LOCK
Jesse K. Havens, Dayton, Ohio
Application August 31, 1942, Serial No. 108,084
Term of patent 14 years



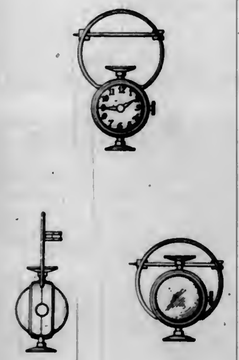
The ornamental design for a window lock, as shown.

134,134
DESIGN FOR A CLOTHES BASKET
Flora I. Kyle, Des Moines, Iowa
Application August 29, 1941, Serial No. 103,079
Term of patent 7 years



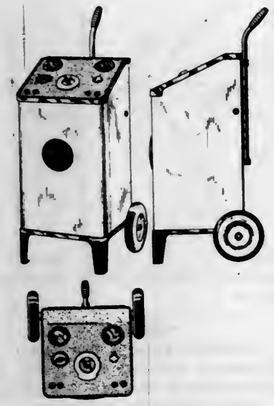
The ornamental design for a clothes basket, as shown.

134,135
DESIGN FOR A COMBINED LAPEL WATCH AND REFLECTOR BUTTON
Alfred Benjamin Shawl, New York, N. Y.
Application January 27, 1942, Serial No. 105,458
Term of patent 3½ years



The ornamental design for a combined lapel watch and reflector button, as shown.

134,136
DESIGN FOR A COMBINED BATTERY CHARGER AND TESTER
Charles G. Sherman and William P. Ryan, Kansas City, Mo., assignors to C. Earl Hovey, Kansas City, Mo., as trustee
Application January 2, 1942, Serial No. 104,980
Term of patent 7 years



The ornamental design for a combined battery charger and tester, as shown.

134,137
DESIGN FOR A BUCKLE
Clarence M. Smith, Naugatuck, Conn., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware
Application August 13, 1942, Serial No. 107,928
Term of patent 14 years



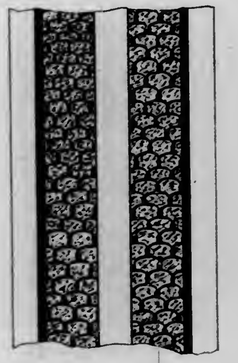
The ornamental design for a buckle, substantially as shown and described.

134,138
DESIGN FOR A BUCKLE
Clarence M. Smith, Naugatuck, Conn., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware
Application August 13, 1942, Serial No. 107,929
Term of patent 14 years



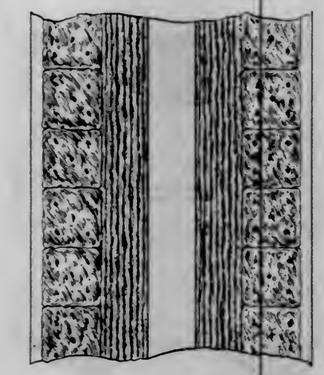
The ornamental design for a buckle, substantially as shown and described.

134,139
DESIGN FOR WRAPPING PAPER
John W. Elder, Middletown, Ohio
Application June 8, 1942, Serial No. 107,153
Term of patent 14 years



The ornamental design for wrapping paper, as shown.

134,140
DESIGN FOR WRAPPING PAPER
John W. Elder, Middletown, Ohio
Application August 21, 1942, Serial No. 107,988
Term of patent 14 years



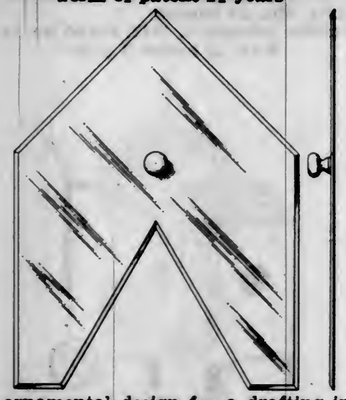
The ornamental design for wrapping paper, as shown.

134,141
DESIGN FOR A WHISK BROOM
Ellis L. Smith, Freeport, Ill.
Application June 15, 1942, Serial No. 107,213
Term of patent 7 years



The ornamental design for a whisk broom, as shown.

134,142
DESIGN FOR A DRAFTING INSTRUMENT
John A. Truhon, Detroit, Mich.
Application August 14, 1942, Serial No. 107,936
Term of patent 14 years



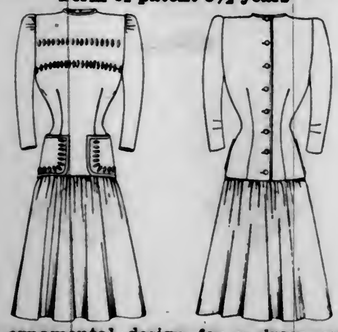
The ornamental design for a drafting instrument as shown.

134,143
DESIGN FOR A DRESS
Anna Louise S. Carroll, New York, N. Y.
Application September 29, 1942, Serial No. 108,351
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,144
DESIGN FOR A DRESS
Anna Louise S. Carroll, New York, N. Y.
Application September 29, 1942, Serial No. 108,353
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,145
DESIGN FOR A DRESS
Netye Carson, New York, N. Y.
Application September 21, 1942, Serial No. 106,294
Term of patent 3½ years



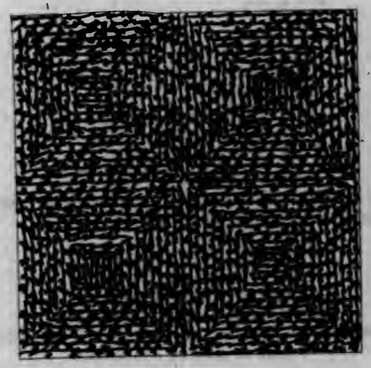
The ornamental design for a dress, substantially as shown.

134,146
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application September 24, 1942, Serial No. 108,318
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,147
DESIGN FOR LINOLEUM OR SIMILAR ARTICLE
Andrew E. Lawrence, Sanmateo, Calif., assignor to The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware
Application June 5, 1942, Serial No. 107,140
Term of patent 7 years



The ornamental design for linoleum or similar article, substantially as shown.

134,148
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Helmut A. Lehmann, New York, N. Y., assignor to Cohn-Hall-Marx Co., New York, N. Y.
Application September 23, 1942, Serial No. 108,316
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown and described.

134,149
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Mortimer M. Breskin, New York, N. Y.
Application August 20, 1942, Serial No. 107,960
Term of patent 3½ years



The ornamental design for a dress or similar article, substantially as shown.

134,150
DESIGN FOR A DRESS
Netye Carson, New York, N. Y.
Application September 21, 1942, Serial No. 108,292
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,151
DESIGN FOR A DRESS
Netye Carson, New York, N. Y.
Application September 21, 1942, Serial No. 108,293
Term of patent 3½ years



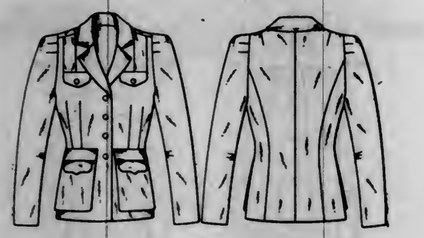
The ornamental design for a dress, substantially as shown.

134,152
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application September 24, 1942, Serial No. 108,319
Term of patent 3½ years



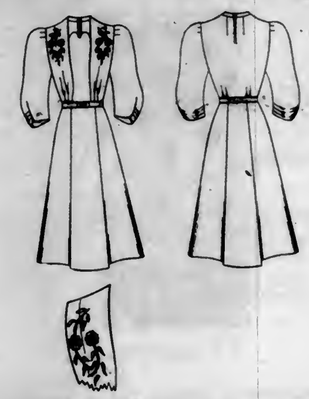
The ornamental design for a dress, substantially as shown.

134,153
DESIGN FOR A JACKET OR SIMILAR ARTICLE
Samuel S. Kaufman, San Antonio, Tex.
Application April 30, 1942, Serial No. 106,763
Term of patent 3½ years



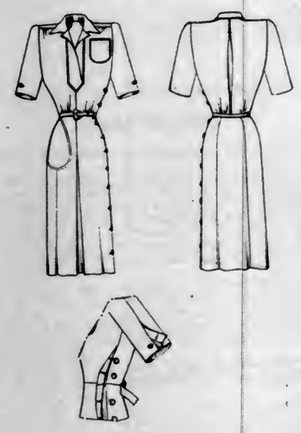
The ornamental design for a jacket or similar article, as shown.

134,154
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application September 21, 1942, Serial No. 108,295
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

134,155
DESIGN FOR A DRESS
Valerie Steinberg, New York, N. Y.
Application September 29, 1942, Serial No. 108,350
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,156
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Michael Angelo Susi, New York, N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application September 25, 1942, Serial No. 108,333
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, substantially as shown and described.

134,157
DESIGN FOR A DRESS
Netye Carson, New York, N. Y.
Application September 21, 1942, Serial No. 108,291
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

124,158
DESIGN FOR AN AUTOMOTIVE DUMP WAGON
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application August 26, 1942, Serial No. 108,045
Term of patent 14 years



The ornamental design for an automotive dump wagon, as shown and described.

124,159
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Eugene Sonntag, Jackson Heights, N. Y., assignor to Cohn-Hall-Marx Co., New York, N. Y.
Application May 5, 1942, Serial No. 106,800
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown and described.

Patents Nos. 2,299,722 to 2,300,390

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 543—No. 4 TUESDAY, OCTOBER 27, 1942 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF OCTOBER 27, 1942	649
ORDER NO. 3662	649
NOTICE OF CANCELLATION	649
DISCLAIMERS	649
APPLICATIONS UNDER EXAMINATION	650
DECISIONS OF THE U. S. COURTS—	
Raymond and McCullough v. Wickersham	651
In re Clark	655
Curtis and Braunsdorff v. Land	656
In re Lewis	659
PATENT SUITS	660
ADJUDICATED PATENTS	661
BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS	662
TRADE-MARKS PUBLISHED (85 APPLICATIONS)	665
TRADE-MARK REGISTRATIONS GRANTED	675
TRADE-MARK REGISTRATIONS RENEWED	681
REISSUES	683
PATENTS GRANTED	685
DESIGNS	846

October 27, 1942

Trade-Marks	111	No. 398,358 to No. 398,468, inclusive.
T. M. Renewals	52	
Reissues	6	No. 22,209 to No. 22,214, inclusive.
Patents	669	No. 2,299,722 to No. 2,300,390, inclusive.
Designs	76	No. 134,160 to No. 134,235, inclusive.
Total	914	

Order No. 3662

U. S. PATENT OFFICE, *Washington, D. C., Oct. 13, 1942.*

Where an inventor is unable, because of conditions arising from the existing state of war, to execute and file an application for patent, an application executed on his behalf by an agent and accompanied by the statutory fee will be accepted for examination. Such an application must be accompanied by a statement of the facts or circumstances which preclude the inventor from executing the application.

When such an application is filed it will be given a serial number and filing date and forwarded to the Examining Division. The Application Division will note on the file wrapper of the application and on the record card of the Application Division that the application is accepted for examination only.

The Examiner in the first Office action will require the filing of papers duly executed by the inventor or his executor or administrator.

When such an application is found to be otherwise in condition for allowance, the Examiner will so notify the agent or his attorney and suspend further action pending the enactment of legislation validating applications filed by the agent of the inventor and the receipt of the duly executed papers by the inventor or his executor or administrator.

No patent will be issued on such an application until (1) legislation has been enacted validating applications so filed by the agent of the inventor; and (2) a petition, specification and oath, duly executed by the inventor or his executor or administrator, with a formal ratification of the power of the agent and his acts, have been filed therein.

CONWAY P. COE,
Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., October 8, 1942.*

Mitsuwa Co., Inc., its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by James L. Younghusband, 30 W. Hubbard St., Chicago, Ill., to effect the cancellation of trade-mark registration of Mitsuwa Co., Inc., 320 Commercial St., San Francisco, Calif., No. 264,077, dated November 19, 1929, and the notice of such proceeding sent by registered mail to the said Mitsuwa Co., Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Mitsuwa Co., Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Disclaimers

1,963,665.—*Robert G. Le Tourneau*, Stockton, Calif. SCRAPER. Patent dated June 19, 1934. Disclaimer filed September 26, 1942, by the inventor and the assignee, *R. G. Le Tourneau, Inc.*

Hereby enter this disclaimer to claim 14 of the specification of said patent.

2,179,087.—*Willis A. Gibbons*, Montclair, N. J. ASBESTOS YARN. Patent dated November 7, 1939. Disclaimer filed September 15, 1942, by the assignee, *United States Rubber Company.*

Hereby enters this disclaimer to claims 2 and 3 of said patent.

2,228,487.—*Harold C. Reynolds, Jr.*, Elizabeth, and *Henry B. Kellog*, Union City, N. J. ANTISKINNING AND WEATHER RESISTING AGENT FOR DRYING OIL COMPOSITIONS. Patent dated January 14, 1941. Disclaimer filed September 25, 1942, by the assignee, *Standard Oil Development Company.*

Hereby enters this disclaimer to claims 1, 2, 3, 6, and 9 in said specification.

Condition of Applications Under Examination at Close of Business October 10, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,393; Trade-Mark Division, 874. Oldest new case, Nov. 26, 1941; oldest amended, Dec. 4, 1941.)
(The dates given are 1942 except where † indicates 1941)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Domestic Cooking Vessels; Sewerage.	Mar. 12	Mar. 27	541
2. HERRMANN, D., Fishing and Trapping; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Feb. 12	Feb. 27	393
3. WOLFFE, S., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 14	Feb. 11	913
4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Apr. 9	Mar. 23	467
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	May 1	May 6	229
6. GENIESSE, E. W., Carbon Chemistry (part)	Feb. 14	Feb. 11	1262
7. JARBOE, C. G., Optics, Photography	Jan. 23	Jan. 23	1223
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Apr. 22	Apr. 17	713
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 6	Apr. 8	657
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	June 18	June 8	333
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Stop Mechanisms	Mar. 26	Apr. 13	338
13. MANIAN, J. C., (Act.) Metal Working (part); Gear Cutting, Milling and Planing; Needle and Pin Making	Feb. 12	Feb. 6	667
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	May 14	May 4	525
15. HENKIN, BENJ., Glass, Plastic Block and Earthenware Apparatus; Plastics	Feb. 12	Feb. 4	1076
16. SPENCER, C. J., Telegraphy; Telephony	Mar. 27	Mar. 25	719
17. HABECKER, LEON B., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 24	†Dec. 4	973
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Mar. 6	Feb. 6	570
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Feb. 7	Feb. 23	745
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part).	Feb. 14	Jan. 28	497
21. THOMPSON, T. J., Textiles	Apr. 10	Apr. 15	390
22. RINGLE, D., Aeronautics; Firearms; Ordnance and Explosive Devices	Jan. 3	Jan. 3	1766
23. BARROWS, B., Cash Registers; Calculators (part)	Mar. 10	Mar. 23	156
24. KISSINGER, M. C. (Acting), Apparel; Apparel Apparatus; Sewing Machines	May 2	May 2	702
26. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	May 23	June 4	214
26. YOUNG, R. R., Electricity—Generation and Motive Power	Mar. 19	Mar. 26	388
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Apr. 11	Mar. 19	231
28. SOLYOM, H. L., Internal-Combustion Engines (part); Cylinders and Pistons	Apr. 18	Mar. 6	163
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Apr. 7	Apr. 16	452
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 17	May 12	256
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Apr. 13	Apr. 13	1333
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Apr. 8	Apr. 20	712
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	May 16	May 6	636
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	June 10	June 6	359
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles	Feb. 14	Feb. 9	973
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Apr. 11	Apr. 3	474
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 4	June 4	464
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Jan. 27	Apr. 24	546
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	June 4	June 11	275
40. DRUMMOND, E. J., Receptacles	Mar. 4	Mar. 4	1305
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Apr. 14	Apr. 10	492
42. MARANS, H., Electric Signaling	Mar. 19	Mar. 24	499
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Azo Compounds.	†Dec. 1	†Dec. 5	1053
44. HARVEY, L. P., Refrigeration	May 6	Mar. 21	396
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels and Axles; Resilient Tires and Wheels; Lubrication; Bearings and Guides; Motors; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part).	May 7	Apr. 25	747
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Heating Systems; Coating Apparatus.	Jan. 13	Jan. 20	729
47. KANOF, WM. J., Clutches and Power Stops; Brakes; Boring and Drilling; Land Vehicles (part)	Mar. 6	Mar. 18	1064
48. ROEPKE, O. B., Electricity, General Applications; Igniters	Jan. 1	Jan. 1	766
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Apr. 11	Apr. 14	518
50. LEVIN, SAMUEL, Resins; Rubber; Carbohydrates and Derivatives	Mar. 10	Mar. 10	1583
51. BACKUS, C. D., Radiant Energy	Apr. 7	Apr. 29	690
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	June 20	June 20	299
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Curtains, Shades and Screens; Cutlery.	Feb. 13	Feb. 11	337
54. STRACHAN, O. W., Electric Lamp and Discharge Devices (part)	Apr. 30	Apr. 25	506
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery	July 14	July 4	148
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Laminated Fabrics (part); Paper Making	Feb. 13	Feb. 14	1262
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks	May 8	May 30	380
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working	June 10	June 2	310
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds; Compositions (part).	†Nov. 26	†Dec. 12	1744
60. GLASS, R. L., Electricity, Heating and Welding; Batteries; Resistances and Rheostats; Prime Mover Dynamo Plants; Marine Propulsion; Consumable Electrode Lamp and Discharge Devices.	Apr. 16	Apr. 20	376
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Laminated Electrical Insulation, Belt, Hose, Tire and Ball Making; Boats and Buoys.	Feb. 10	Feb. 9	847
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Dec. 8	Mar. 11	403
63. WINKELSTEIN, A. H., Preserving; Poisons; Fermentation; Foods and Beverages; Proteins; Oils and Fats.	Jan. 16	Jan. 30	1249
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Distillation; Fuel	Mar. 26	Mar. 25	1549
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays.	Mar. 23	Mar. 28	467
Trade Marks: RICHMOND, F. A	Sept. 10	Sept. 19	874
Designs: KALUPY, H. H	Sept. 12	Sept. 18	344

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

RAYMOND AND McCULLOUGH
v.
WICKERSHAM

No. 4,290. Decided June 15, 1942

[129 F.(2d) 522]

1. MOTION TO VACATE JUDGMENT—FRAUD.
Held to be well settled that "It cannot be the rule that a judgment can be attacked for fraud because in the trial the prevailing party defendant failed to voluntarily disclose the weakness of his defense, or some evidence which would tend to overthrow his defense."

2. SAME—SAME.
"An appellate tribunal, after its judgment has become final and the mandate issued, has no jurisdiction or power to recall its mandate or reverse or modify its judgment except and unless such action is based upon a fraud perpetrated in and upon the appellate court itself."

3. SAME—SAME.
In regard to the position of appellants that the judgment of the Court of Customs and Patent Appeals, affirming the award below of priority to appellee, should be vacated and a rehearing ordered, which position appellants supported by the charge that witnesses for appellee gave perjured testimony in the early stages of the interference and that fraud was practiced upon the court and the tribunals of the Patent Office by the withholding of evidence within appellee's knowledge which would have defeated his right to said award of priority *Held* that "to acquiesce in the position of appellants would be to sanction the proposition that in every case, newly discovered evidence or charges of fraud or concealment in the taking of evidence in the trial tribunal could be raised long after final judgment in an appellate tribunal, which tribunal, as in the instant case, is by statute limited to the record made in the tribunal below."

4. SAME—SAME.
"We may add in passing, although it is not necessary to a decision in this case, that we have very grave doubts as to whether this court could at any time set aside its judgment on the ground of newly discovered evidence, which evidence was competent in the trial by the lower tribunal."

5. INTERFERENCE—DELAY.
"Appellants have had unusual opportunities to have their day in court, and * * * if the patent system is to continue as an important factor in American economic life, it is highly important that long and unjustifiable delays in determining inventors' rights should be discouraged."

6. MOTION TO VACATE JUDGMENT—FRAUD.
Motion by appellants to vacate judgment and to order rehearing, denied.

ON MOTION to vacate judgment and to order rehearing. Denied.

Mr. James E. Watson, *Mr. Samuel A. King*, *Mr. R. Welton Whann* (*Mr. Carroll B. Spencer* of counsel) for Raymond and McCullough.

Mr. Robert E. Barry and *Mr. A. A. Cyr* for Wickersham.

PER CURIAM:

Appellants, Edward F. Raymond, alleged inventor, and Ira J. McCullough, his exclusive licensee, petition this court

"for relief from its judgment and decision heretofore rendered herein on the 8th day of April, 1940, affirming the opinion of the Board of Appeals, of the United States Patent Office, rendered February 3, 1939, which opinion adopted and approved the decision of the Examiner of Interference, awarding priority to the appellee, Harry P. Wickersham, for his application * * * and denying priority to the applicant, Edward F. Raymond * * *."

It is stated that the petition is for the purpose of preventing the appellee, Wickersham,

"from enjoying the benefits arising under a judgment and decree of this honorable court, which was procured by the willful perpetration of a fraud by the said appellee, Wickersham, upon both the United States Commissioner of Patents and this honorable court";

that the fraud resulted from the wrongful failure to disclose facts which in good conscience should have been presented; and that the petition is intended

"to protect this honorable court and the patent officials from being instrumental in perpetrating said fraud."

The petition asks for a recalling and revoking of the judgment and that the questions involved be resubmitted and redetermined upon a hearing de novo.

The grounds upon which the petition is based were stated as follows:

Because courts of general and superior jurisdiction possess certain inherent power not derived from any statute, to make, modify, and enforce rules for the regulation of the business before the court; to amend its record and proceedings; and to recall and control its process. Such inherent powers of the court are necessary to the proper discharge of their duties. Unless such powers and summary jurisdiction are abridged or regulated by legislation, a constitutional court of general and superior jurisdiction may exercise such inherent power and summary jurisdiction as the necessities of the case may require and in a manner comporting with the proper discharge of its duties in the premises.

The petition alleges that immediately following the opinion and judgment of this court rendered April 8, 1940, *Raymond et al.* v. *Wickersham*, 27 C. C. P. A. (Patents) 1079, 110 F.(2d) 863, 519 O. G. 3, appellant Raymond and his exclusive licensee, McCullough, accidentally obtained definite and conclusive evidence that Wickersham knew he was not the original inventor, but that he appropriated and copied the jar design and work of appellant Raymond.

Several contentions are made by appellants, which may be briefly summarized as follows:

1. That appellee never was the original inventor of the well jar in question and at all times knew said fact; that he obtained his idea of said jar through knowledge acquired of appellants' device.

2. That the records before the Patent Office tribunals and before this court show that appellee was not the original inventor of the device and definitely show that appellants had successfully reduced the invention to practice before the reduction to practice by appellee and that appellants were concededly the first to conceive the invention.

3. That new and heretofore undisclosed evidence bearing upon the above contentions has been discovered and is submitted in the form of affidavits.

This interference was instituted in the Patent Office in 1934. It is here interesting and important to review the history of the involved litigation. Upon testimony of certain witnesses the Examiner of Interferences of the United States Patent Office

originally concluded that appellant Raymond had successfully reduced his device to practice by work done on the Bradley-King No. 1 well and the Acme No. 1 well, although the alleged date of reduction to practice given in the preliminary statement was an earlier date, at Bakersfield, California. (It is not questioned that appellant Raymond satisfactorily proved that he was entitled to a date for conception of the involved invention earlier than any conception date which could be awarded to Wickersham.) Appellee appealed to the Board of Appeals of the United States Patent Office, which affirmed the action of the Examiner of Interferences in awarding priority to Raymond.

Before the decision of the Board became final, appellee submitted proof which showed that the work on the Bradley-King well and Acme well could not have been done as testified to by appellants' witnesses. The Board then reversed its decision and remanded the case to the Examiner of Interferences, who, upon the new testimony, which was ordered to be confined to the work done on the two said wells, reversed his former decision and awarded priority of invention to the appellee. This award, upon appeal to the Board, was affirmed, and the Board's decision was affirmed by this court in its judgment of April 8, 1940, *Raymond et al.* v. *Wickersham*, supra.

No petition for rehearing was filed within the time required by the rules of this court.

On May 13, 1940, appellants filed motion to stay mandate upon the grounds of newly discovered evidence. This motion was denied May 15, 1940, and on the same date the final order was issued to the Commissioner of Patents.

On June 11, 1940, the Patent Office issued to appellee Patent No. 2,204,458, covering the involved invention.

On June 15, 1940, appellants, in this court, moved to reopen the interference on the ground that the evidence set forth in the "accompanying affidavits" could not have been sooner obtained even by the exercise of great diligence; that the Raymond jar was actually used on the Acme No. 1 well after the shutting down of the well; and that Wickersham was not an original inventor, but obtained knowledge of the Raymond invention long before any date proven for Wickersham's conception. This motion was denied June 21, 1940.

On June 29, 1940, appellant Raymond requested reconsideration of the motion to reopen the interference on the grounds, first, that the new evidence was material and not cumulative; second, if admitted it would probably induce a different decree; third, that it was probably true; and fourth, that the moving party exercised all diligence in procuring said evidence. On July 8, 1940, the request was denied.

Appellants filed, on October 29, 1941, a petition to vacate judgment and to order a rehearing upon the ground of fraud by the appellee Wickersham upon the Commissioner of Patents and this court. This petition was denied for want of jurisdiction.

On January 27, 1942, appellants filed a motion and brief seeking to have this court vacate judgment and to order rehearing. This is the motion that is pending before the court at this time.

While appellants make many contentions, the only one which calls for any consideration here is the power of this court, under the circumstances, to comply with appellants' request and particularly to determine whether or not the statements of facts presented by appellants make applicable the broad principle of law that a court, when it has been defrauded into giving an erroneous judgment, has the inherent power, regardless of statutory authority, rules, or term-end limitations, to reverse its said judgment and direct further action in order to bring about a proper and just decision of the issues involved in the judgment.

Appellants' counsel, evidently in order to make applicable certain principles announced in cases hereinafter discussed, urge strongly that this court has power to grant the relief petitioned for, for the reason that fraud has been perpetrated upon it and that it should so act in the interest of protecting the "integrity" of the court. Much of the subject matter of appellants' motion papers and brief is devoted to discussing the evidence and issues involved in this court's decision, which might have been proper for discussion in a petition for rehearing. Great emphasis is also placed upon the subject of newly discovered evidence. Much of the alleged newly discovered evidence, at most, is cumulative in character, and but little of it is directed to the question of fraud, except as fraud is alleged to have been imposed upon the patent tribunals and this court by failure on the part of appellee to disclose pertinent facts known to him.

While appellee on this motion has filed in this court what appears to be a very carefully prepared brief consisting of 157 pages, he has not briefed the subject of the right of appellants to invoke the alleged broad, inherent power of a court to act in a case of fraud. Appellee has sought in his brief to point out in the record and various motion papers that there is no justification for complying with appellants' request "even if it be considered that the court has inherent power so to do."

Appellants rely upon several cases for authority supporting their contention that this court has such power, but it is not necessary to discuss them all. Among them are *Root Refining Co.* v. *Universal Oil Products Co.*, 78 F.(2d) 991; *Illinois Printing Co. et al.* v. *Electric Shovel Coal Corporation*, 20 F. Supp. 181; *In re Rochester Sanitarium & Baths Co.*, 222 Fed. 22; *In re Evans et al.*, 42 Utah 282, 130 P. 217; and *Wayne United Gas Co.* v. *Owens-Illinois Glass Co. et al.*, 300 U. S. 131, 81 L. Ed. 557.

The other cases cited need not be specifically referred to since obviously they are no more in point than the above cases cited. None of the cases cited by appellants support their contention that this court, under the circumstances at bar, has the authority, either statutory or inherent, to comply with their request.

In the Root Refining Co. case, supra, the court, six years after rendering a decision, ordered an investigation, upon petition of counsel for various defeated parties. It related to valuable patents and processes in oil refining. The circuit court, in an opinion written by Judge Davis, upheld the decision of the district court. The Supreme Court had denied certiorari. The investigation was ordered upon a showing that one Kaufman and Judge Davis, a resigned member of the third circuit court of appeals, had been charged with and indicted for conspiracy to obstruct justice and to defraud the Federal Government in the William Fox bankruptcy proceedings. Nothing is submitted to us to show what the circuit court of appeals did about it or what they could have done in the premises. The investigation apparently is still taking place. This case is certainly no authority for holding here that this court has, more than two years after the rendition of a judgment and the issuance of the mandate and almost two years after the issuance of a patent, the power to set aside the judgment and order a trial de novo of the issues involved, especially when it is not shown that this court was defrauded or misled by the conduct of the litigants or their counsel. Obviously the Circuit Court of Appeals of the Third Circuit had the power to order an investigation of the misconduct of one of its own judges. What bearing has that on the issue involved here? We think, none whatever.

The next case particularly stressed by appellants is *In re Evans et al.*, supra. This involved a ruling of the Supreme Court of Utah. In 1900 an information was filed against David Evans and Lindsey R. Rogers, attorneys at law, charging them, in effect, with champertous conduct in respect to a contract entered into by them to prosecute a suit for damages against a certain railroad company upon a contingent fee. The said Supreme Court adjudged the parties guilty and deprived them of the right to practice in any of the courts of the State until they paid into the court the sum of $1,793, together with certain costs. In the event the sum was not paid within sixty days, they would be permanently disbarred and their names stricken from the rolls of attorneys. See *In re Evans & Rogers*, 22 Utah 336, 62 P. 913, 53 L. R. A. 852. The attorneys paid the money and there the matter rested until 1912, more than eleven years after the rendition of the judgment, at which time they filed a petition in the Supreme Court of Utah asking for a rehearing and a review of the record and judgment. The Attorney General as well as appointed counsel, the latter appearing as friends of the court, conducted the hearing. In the opinion written by Mr. Justice Straup the following is found:

> Now, recurring to the question of our jurisdiction to at this time entertain the petition for the prayed relief: If we have no such power, the stipulation filed by counsel cannot confer it. There is no direct legislation or constitutional provision which, in express terms, prescribes our power in such particular; nor is there anything which limits, restricts, or prohibits it. It is undoubtedly true that courts of general and superior jurisdiction possess certain inherent powers not derived from any statute. Among these are the power to punish for contempt, to make, modify, and enforce rules for the regulation of the business before the court, to amend its record and proceedings, to recall and control its process, to direct and control its officers, disbar, and reinstate attorneys. Such inherent powers of courts are necessary to the proper discharge of their duties. Such powers and summary jurisdiction may, within certain limits, be abridged, and the procedure with respect to the exercise of them be regulated, by legislation. But, unless so prescribed and limited, a constitutional court of general and superior jurisdiction may exercise such inherent powers and summary jurisdiction as the necessity of the case may require, and in manner comporting with a proper discharge of its duties in the premises.

In a concurring opinion by Judge Frick, it was said:

> * * * No court should hesitate to correct any wrong arising out of its judgments, when it is within its power to do so. This is especially true with respect to any judgment which affects the honor, integrity, standing, or morals of its officers. * * *

It will be noticed that that was an original proceeding in the Supreme Court of Utah. That court concluded that it had been defrauded and that it was within its power to right a wrong when the lawyers petitioned for relief. Its judgment was the only thing that stood in the way of the petitioners' having full relief. The petitioners were officers of the court. It was the duty of the court to protect itself and its officers. No such situation is at bar. This court has not been defrauded. Its integrity is not in question.

For the purpose of making applicable certain decisions and principles of law, to which we will presently advert, we again call attention to the fact that appellants' able counsel have adroitly invoked a principle involving fraud practiced upon the court from which the judgment is obtained, which, as far as we have observed, has never occurred in any appellate tribunal wherein the alleged fraud originated in a lower tribunal. It is to be noted that no mention is made in the briefs of the parties calling attention to the well-settled rule in Federal courts that after the expiration of the term in which the judgment was obtained, the court has no jurisdiction to reverse the same and grant a new trial or take any other ordinary procedure which it could do upon a proper showing during the term when the judgment was rendered. At any rate, under present circumstances it is clear that we need give no consideration to the question of the terms of court of this tribunal or the applicability of any doctrine relating to the "term-end rule."

Much of the subject matter involved here was under consideration by the United States Supreme Court in the case of *United States* v. *Throckmorton*, 98 U. S. 61. In that case, twenty years after the rendition of a judgment relating to a land patent obtained upon a fraudulent document, the Government sought, by a bill in chancery brought in the Circuit Court of the United States for the District of California, to set aside the judgment of the said circuit court which confirmed the claim (fraudulently made) to certain lands, which confirmation was made by the board of commissioners of private land-claims in California. The most essential part of the holding by the Supreme Court in the said Throckmorton case, as applicable here, is expressed in the following language:

> * * * We think these decisions establish the doctrine on which we decide the present case; namely, that

the acts for which a court of equity will on account of fraud set aside or annul a judgment or decree, between the same parties, rendered by a court of competent jurisdiction, have relation to frauds, extrinsic or collateral, to the matter tried by the first court, and not to a fraud in the matter on which the decree was rendered.

That the mischief of retrying every case in which the judgment or decree rendered on false testimony, given by perjured witnesses, or on contracts or documents whose genuineness or validity was in issue, and which are afterwards ascertained to be forged or fraudulent, would be greater, by reason of the endless nature of the strife, than any compensation arising from doing justice in individual cases.

In the opinion we further find the following statement:

* * * Where the unsuccessful party has been prevented from exhibiting fully his case, by fraud or deception practised on him by his opponent, as by keeping him away from court, a false promise of a compromise; or where the defendant never had knowledge of the suit, being kept in ignorance by the acts of the plaintiff; or where an attorney fraudulently or without authority assumes to represent a party and connives at his defeat; or where the attorney regularly employed corruptly sells out his client's interest to the other side,—these, and similar cases which show that there has never been a real contest in the trial or hearing of the case, are reasons for which a new suit may be sustained to set aside and annul the former judgment or decree, and open the case for a new and a fair hearing. [Citing various authorities.]

In all these cases, and many others which have been examined, relief has been granted, on the ground that, by some fraud practised directly upon the party seeking relief against the judgment or decree, that party has been prevented from presenting all of his case to the court.

On the other hand, the doctrine is equally well settled that the court will not set aside a judgment because it was founded on a fraudulent instrument, or perjured evidence, or for any matter which was actually presented and considered in the judgment assailed. Mr. Wells, in his very useful work on Res Adjudicata, says, sect. 499: "Fraud vitiates everything, and a judgment equally with a contract; that is, a judgment obtained directly by fraud, and not merely a judgment founded on a fraudulent instrument; for, in general, the court will not go again into the merits of an action for the purpose of detecting and annulling the fraud." . . . "Likewise, there are few exceptions to the rule that equity will not go behind the judgment to interpose in the cause itself, but only when there was some hindrance besides the negligence of the defendant, in presenting the defence in the legal action. * * *."

One of the main considerations which brought the Supreme Court to its conclusion that the judgment attacked could not be set aside was the policy of law which required that in the interest of the public there should be an end to litigation, expressed in the maxim interest rei publicae, ut sit finis litium, there applied.

It may here be noted that in *Publicker* v. *Shallcross et al.*, 106 F.(2d) 949, the Circuit Court of Appeals of the Third Circuit, in a case involving setting aside a judgment under circumstances different from those at bar, discussed the Throckmorton case, supra, and stated that it would not follow that case because of the fact that in the first place the case did not apply and that in the second place it no longer was "the law of the Supreme Court" for the reason that a later decision, *Marshall* v. *Holmes*, 141 U. S. 589, is in conflict with it. Regardless of whether the latter decision conflicts with the former, we are sure that the former has more application to the particular facts of the instant case than the latter.

Citing and quoting from the Throckmorton case, the Circuit Court of Appeals of the Ninth Circuit in *Nelson et al.* v. *Meehan et al.*, 155 Fed. 1, in an opinion delivered by District Judge William H. Hunt, a former member of this court and later of the United States Commerce Court, used the following language, which seems to be applicable to the issue presented here:

It has been earnestly insisted by counsel for the appellees that the district court had an inherent power to vacate the decree even after the term had expired, because the fraud in the judgment vacated rested upon the perjured testimony of the prevailing party, and upon such perjured testimony alone. But we believe that the great weight of authority is against this contention, and that the acts for which a court of equity will on account of fraud annul a judgment or decree between the same parties after the term has ended have relation to frauds extrinsic or collateral to the matter tried, and not to a fraud in the matter on which the decree was rendered. The leading case of *United States* v. *Throckmorton*, 98 U. S. 61, 25 L. Ed. 93, establishes this precise doctrine. * * *

See also *Angle* v. *Shinholt et al.*, 90 F.(2d) 294.

Aside from the charge that witnesses of appellee gave perjured testimony in the early stages of the interference proceeding in the Patent Office, it is argued by appellants that fraud was practiced upon this court and the tribunals below by the withholding of evidence within appellee's knowledge which would have defeated his right to acquire a priority decision. In *McDougall* v. *Walling et al.*, 58 P. 669, a decision by the Supreme Court of the State of Washington, we find the following pertinent language:

* * * In *Allen* v. *Currey*, 41 Cal. 318, where the opposite party was sworn as a witness, and knew of a fact which, if proved, would have given judgment to the other party, and failed to disclose it, the court said: "But it is quite evident that, if a judgment could be set aside as fraudulent on such a showing as this, litigation would be interminable. If, on another trial, the plaintiff should still fail to maintain his case, he might, on the same theory, thereafter institute a new action on the discovery of additional evidence, and so on ad infinitum. If the losing party were permitted to assail the judgment as fraudulent on the ground that his adversary knew the facts to be as he claimed them to be at the trial, and failed to disclose them, and that he has since discovered some additional evidence tending to prove them, a judgment, instead of being a 'final determination of the rights of the parties,' as defined by the statute, would be little else, in its legal effect, than an order to show cause why it should not be set aside." * * * *It cannot be the rule that a judgment can be attacked for fraud because in the trial the prevailing party defendant failed to voluntarily disclose the weakness of his defense, or some evidence which would tend to overthrow his defense.* Ordinarily, the pleadings must determine what issues will be tried; and it has never seemed to be the practice that a party must disclose to his adversary what his testimony will be, or that he must suggest testimony for his adversary. Where interrogatories are propounded to the opposite party, he must answer, and answer truly. If his answer be false * * *, then it may be fraud sufficient to vacate any judgment which such false answer supports [Italics ours.]

[1] This statement of the law, in the portion italicized above, seems to us to be so well settled that the question needs no further lengthy discussion. See *Toledo Scale Company* v. *Computing Scale Company*, 261 U. S. 399, 326 O. G. 3.

Vining v. *American Bakeries Co. et al.*, 163 So. 396, a decision by the Supreme Court of Florida, and *American Bakeries Co.* v. *Vining et al.*, 80 F.(2d) 932, by the Circuit Court of Appeals of the Fifth Circuit, the latter being a suit aimed at enjoining a threatened sale under a judgment obtained in the former, seem to be very much in point on the issue now under consideration.

The Florida Supreme Court said, among other things:

It cannot be said as a matter of law that a new trial ought to be granted whenever an important witness against the losing party in the case shall have made an affidavit, or given evidence under oath in some other proceeding, that he committed perjury in his testimony; if that were so, justice would be defeated in many grave cases, because recanting testimony is to be regarded as very unreliable, especially when it involves a confession of perjury for which no actual conviction and adjudication of guilt by a court has been had. Indeed, the mere fact that an important witness has come forward, or been induced or procured to confess himself a perjurer at the trial, does not ipso facto sustain a trial court, even before the judgment has been appealed to the Supreme Court and affirmed, in granting a new trial upon such circumstances, which by the agreeing opinion of all the courts is regarded with suspicion and distrust as a ground for upsetting what has already passed into verdict and judgment. [Citing a great number of authorities.]

In the second of these last-cited cases, the petition to enjoin the threatened sale under the judgment of the Florida court was grounded upon the fact that certain witnesses of Vining, who recovered the judgment from American Bakeries Co., had perjured themselves. In upholding the Supreme Court of Florida relating to its powers to set aside the judgment, the circuit court of appeals said

* * * The fraud and perjury were not so successful as to deceive the opposite party and prevent a contest. The truth of the testimony was controverted and passed on by the jury. The bill really sets up that there is now better and more satisfactory proof of its falsity than the mere contradiction of it then offered to the jury. * * *

The general principle that courts, under circumstances such as those at bar, do not have the power to reverse or modify their judgments is supported by *Fidelity Storage Co.* v. *Urice et al.*, 56 App. D. C. 202, 12 F.(2d) 143.

The other cases cited by appellants are relied upon chiefly by reason of the fact that they contain statements relating to the general principle of law that courts have an inherent power to set aside their judgments on the ground of fraud practiced upon them, including fraud which prevented the unsuccessful party from exhibiting his case fully. As far as we have been informed, the appellee and his counsel have perpetrated no fraud upon this court, nor have they in this court, to our knowledge, prevented appellants from fully presenting their case.

[2] The principle of law which appellants seek to invoke here has been applied in appellate tribunals, under certain circumstances differing from those at bar, in a number of cases which are cited in 84 A. L. R. 595, under the heading, "Power to reconsider a decision obtained by fraud." It is sufficient to say that the great weight of authority there collected and discussed is to the effect that an appellate tribunal, after its judgment has become final and the mandate issued, has no jurisdiction or power to recall its mandate or reverse or modify its judgment except and unless such action is based upon a fraud perpetrated in and upon the appellate court itself.

[3] [4] To acquiesce in the position of appellants would be to sanction the proposition that in every case, newly discovered evidence or charges of fraud or concealment in the taking of evidence in the trial tribunal could be raised long after final judgment in an appellate tribunal, which tribunal, as in the instant case, is by statute limited to the record made in the tribunal below. We may add in passing, although it is not necessary to a decision in this case, that we have very grave doubts as to whether this court could at any time set aside its judgment on the ground of newly discovered evidence, which evidence was competent in the trial by the lower tribunal.

[5] A glance at the above statement of the proceedings had in the tribunals below and in this court over a period of approximately eight years discloses that appellants have had unusual opportunities to have their day in court, and that if the patent system is to continue as an important factor in American economic life, it is highly important that long and unjustifiable delays in determining inventors' rights should be discouraged.

We feel much as did the Circuit Court of the Southern District of New York in the case of *Ocean Ins. Co.* v. *Fields*, 2 Story 59, Fed. Cas. No. 10,406, when, in the opinion written by Mr. Justice Story, it stated:

* * * it is for the public interest and policy to make an end to litigation; or, as was pointedly said by a great jurist, that suits may not be immortal while men are mortal. * * *

[6] For reasons hereinbefore stated the motion of appellants is denied.

Denied.

U. S. Court of Customs and Patent Appeals

IN RE CLARK

No. 4,539. Decided June 15, 1942

[— F.(2d) —]

PATENTABILITY—DRIVE BELT.

Certain claims to a drive belt having crepe rubber applied to the driving surface thereof *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. E. Clarkson Seward and *Mr. N. Saxton Seward* for Clark.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 13 to 18, inclusive, in appellant's application for a patent for an alleged invention relating to improvements in "drive belting."

The alleged invention is sufficiently described in the appealed claims of which claims 13 and 18 are illustrative. They read:

13. In a drive belt, having a body, crepe rubber formed integral therewith to prevent slipping.

18. Drive belting comprising a body of strain-resisting material having one side thereof provided with a thin coating of crepe rubber that is intimately united by adhesion to the body, and is so thin with relation to the thickness of the body as not substantially to decrease the flexibility thereof, whereby a driving surface is provided that prevents either longitudinal or lateral slippage of the belting on its pulleys without adhesion of the belting to the surface of the pulleys against separation therefrom.

The references are: Cutler, 1,479,497, January 1, 1924; Allan (British), 221,672, September 18, 1924; Covey, 1,896,574, February 7, 1933; Crush, 2,057,419, October 13, 1936.

In rejecting the appealed claims, the Primary Examiner relied upon all of the references cited.

The patents to Covey and Cutler, which are not in the record before us, apparently relate, as stated by the tribunals of the Patent Office, to the use of crepe rubber for tires and soles of shoes, respectively. Owing to the fact, however, that we held in the case of *In re Covey*, 20 C. C. P. A. (Patents) 962, 63 F.(2d) 982, 432 O. G. 756, that the use of crepe rubber for the tread of tires was not analogous to the use of such rubber for soles of shoes, the Board of Appeals, in its decision, stated that the Covey and Cutler patents were "improperly applied by the Primary Examiner" in his rejection of the appealed claims. The Board, accordingly, relied only upon the patents to Crush and Allan.

The patent to Crush relates to a power transmission belt, and discloses a belt comprising layers of leather and canvas and a layer of rubber applied to the driving surface. The layer of rubber is vulcanized to the layer of canvas. The purpose of the layer of rubber is, as stated by the patentee, to increase the friction between the belt and the pulley and thus prevent slippage.

The British patent to Allan relates to pulley covers, and discloses a pulley cover comprising a layer of material, such as

"leather, balata, canvas, wood or steel,"

provided with an outer layer of crepe rubber. The purpose of the crepe rubber, according to the patentee, is to

"give a more flexible drive and also affording a more secure grip and so minimising any belt slip and consequent loss of power, enabling the belt to be run at less tension."

In its decision affirming the decision of the Primary Examiner, the Board of Appeals, among other things, said:

While appellant has urged that the problems arising in connection with the application of rubber to belts are different from those in connection with pulley covers, we are not convinced by this argument. We are satisfied that the application of crepe rubber coating to pulleys would suggest its use in some special case to the belt rather than the pulley over which the belt passes. We believe, therefore, that the Allan disclosure suggests the use of crepe rubber in place of the vulcanized rubber in the Crush belt.

The record contains 3 affidavits, two by appellant and one by Joseph O. Bayerl, secretary and treasurer of the D. & B. Machine Company Inc., New York city. It appears therefrom that the application of a layer of crepe rubber to the driving surface of belts prevents slippage between the belt and the pulley, and that appellant's belt is an improvement over the prior art belts.

Counsel for appellant contend in their brief that although the patentee Allan used crepe rubber as a part of his pulley cover for the purpose of preventing slippage of the belt, he was not concerned with the problem of improving drive belts; that it did not occur to him that anything could be done to improve such belts; that

"No amount of experimentation along the lines of Allan's disclosure would result in the discovery that crepe rubber can be applied to the surface of a belt, without reducing its flexibility, to prevent slippage of the belt around a steel pulley";

and that although the patent to Crush discloses the use of vulcanized rubber in a power transmission belt to prevent slippage, the layer of rubber disclosed by Crush is relatively thick, thus necessarily decreasing the flexibility of the belt. Counsel also point out in their brief that claims 15 to 18, inclusive, specify that the crepe rubber coating constituting the pulley engaging surface of the belt is

"so thin as not substantially to decrease the flexibility of the belt,"

and argue that that particular limitation contained in those claims is sufficient to lend patentability thereto. Other arguments are made by counsel. However, we deem it unnecessary to relate them here.

We are in agreement with the views expressed by the tribunals of the Patent Office that the patent to Allan, in view of the patent to Crush, plainly suggests that crepe rubber might be used to cover the driving surface of a belt for the purpose of preventing slippage. Furthermore, we think that if the thickness of the vulcanized rubber layer disclosed in the patent to Crush decreased the flexibility of the belt, it would readily occur to one skilled in the art that a thin layer, particularly of crepe rubber, might be used with advantageous results.

We have given careful consideration to all of the arguments presented here by counsel for appellant, but are unable to hold that the appealed claims are patentable over the patents to Crush and Allan.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

CURTIS AND BRAUNSDORFF

v.

LAND

No. 4,564. Decided June 15, 1942. Petition for rehearing denied July 3, 1942

[129 F.(2d) 549]

INTERFERENCE—PRIORITY.

Evidence reviewed and *Held* that L, the senior party, was an original and the prior inventor of the railway traffic signal device upon which he and C and B, the junior party, contested priority.

APPEAL from the Patent Office. Affirmed.

Messrs. Bartlett, Eyre, Keel & Weymouth (*Mr. Richard Eyre* of counsel) for Curtis and Braunsdorff.

Messrs. Brown & Jones (*Mr. Donald L. Brown* and *Mr. Nathaniel R. French* of counsel) for Land.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of invention of the subject matter defined by the counts in issue (Nos. 1, 2, and 3) to appellee, Edwin H. Land.

The invention relates to electric signal devices, particularly railway traffic signal devices.

Count 3 is illustrative of the involved counts. It reads:

3. A signal device including a housing, a signal lamp within the housing, and means for suppressing phantom signals, said means being positioned to intercept light rays entering the housing and reflected from the vicinity of the lamp and comprising a composite sheet polarized to suppress substantially the passage of redirected light from within the housing.

The interference is between appellants' application No. 182,036, filed December 28, 1937, and appellee's application No. 178,696, filed December 8, 1937.

Appellants are the junior parties, and the burden was upon them to establish priority of invention by a preponderance of the evidence.

The gist of the involved invention is a means for suppressing phantom signals, and comprises, as stated in the quoted count, a "composite sheet polarized to suppress substantially the passage of redirected light from within the housing" of a prior art traffic signal lamp.

It appears from the record that when the prior art traffic signal lamps are exposed to the sun's rays or to other external sources of light, they frequently so reflect the light as to appear to be illuminated, thus indicating to engineers and others that the signal lamp is operating, when, as a matter of fact, it is not. This reflected light is referred to in the record as "phantom" or "false" signals. The obvious dangers of such signals need be no part of our discussion here.

Appellants are engineers in the employ of their assignee, the Tung-Sol Lamp Works, Inc., Newark, New Jersey, a manufacturer of incandescent light bulbs, including such as are used in railway signal lamps.

Appellee is the president of his assignee, the Polaroid Corporation, Boston, Massachusetts.

It is contended here by counsel for appellants, as it was before the tribunals of the Patent Office, that appellants conceived the involved invention sometime in the spring or early summer of 1937, and disclosed it to appellee in a letter dated August 2, 1937, signed by Mr. Braunsdorff (one of the appellants), and addressed to the Polaroid Corporation, attention Mr. Richard T. Kriebel, advertising manager for the Polaroid Corporation.

Certain correspondence between Mr. Braunsdorff, the Land-Wheelwright Laboratories, Inc. of Boston, Massachusetts (a predecessor of the Polaroid Corporation), and Richard T. Kriebel, on behalf of the Polaroid Corporation of Boston, was made a part of the record. Among such correspondence was a letter, dated June 11, 1937, wherein Mr. Braunsdorff stated that he would like to obtain "a piece of Polaroid approximately five inches in diameter," and that he expected to use the "Polarized disc in a lighting unit to eliminate certain redirected light." On June 23, 1937, a letter of acknowledgement was written to Mr. Braunsdorff, wherein it was stated that the witness Kriebel was out of the city and that when he returned he would reply to Mr. Braunsdorff's letter. On July 23, the witness Kriebel, on behalf of the Polaroid Corporation, wrote Mr. Braunsdorff quoting prices for Polaroid, which Polaroid, according to the testimony of the witness Kriebel, was the Polaroid Company's "ordinary *plane* polarizing sheet" and its "standard product at that time." [Italics ours.] In that letter, the witness Kriebel offered Mr. Braunsdorff the use of the Polaroid Company's laboratory and the aid of the company's experts in solving the problem to which Mr. Braunsdorff had referred. On August 2, 1937, Mr. Braunsdorff wrote the Polaroid Corporation, attention Mr. Kriebel, as follows:

Thank you for your letter of July 23rd in which *you offer the services of your laboratory for our problem.* I believe it best to outline this situation in the hope you may be of some assistance. One of the large railroads is using a special color signal system with which they are having some difficulty from what is commonly known as "phantom images". This is caused by interference from sunlight at certain times of day with light rays entering the signal which gives the appearance of signal being lighted normally. *It is my thought that the use of a Polaroid screen will prevent some of this redirected light from illuminating the color filter.* The inside of this signal contains a parabolic reflector and rounded bulb, both of which surfaces tend to redirect light coming in. Since this condition is very critical for position of observation, *I believe it has possibility of control by using Polaroid.* The lens opening of this signal is approximately 4½ inches in diameter and *I had hoped to obtain a sample sheet of Polaroid* (approximately 5 inches square which could be trimmed to size) which could be fitted into this opening between lens and color filter.

If this idea is unsound or if you have already tried it in practice, please advise. As a lamp manufacturer, we have received this request to improve general lighting conditions. *If the use of Polaroid offers any improvement in the correction of this phantom image*, I can assure you the field of application would be very large.

Please treat this request as confidential. [Italics ours.]

On August 9, 1937, the witness Kriebel replied to that letter, expressing appreciation for Mr. Braunsdorff's statement of the problem confronting appellants regarding railway signal devices and stating that he had requested the Polaroid Corporation's technicians to submit a report which he hoped he would have in a week or ten days. On September 14, 1937, Braunsdorff again wrote to the witness Kriebel, stating that if the report of the technical division of the Polaroid Corporation had been made he would be glad to receive it. On September 28, 1937, the witness Kriebel wrote Mr. Braunsdorff, stating that he had received a report from the Polaroid Corporation's technical division and that it appeared therefrom that—

By the use of a form of Polaroid somewhat different from our regular grade it seems practically certain that the "phantom images" can be reduced to a considerable degree, perhaps completely.

Because the signal light may be somewhat different from our test set-up, in position of reflector, lamp, and lens, we should like to run a test on the actual lamp before making final recommendations. We should, therefore, like to suggest that you send us one of the lamps which we can test, equip, and return to you for your comments. [Italics ours.]

It clearly appears from the record that an ordinary plane polarizing sheet (the Polaroid Corporation's standard product during the summer and fall of 1937) would not operate successfully to suppress phantom or false signals, and that the problem was solved by using a composite sheet of material, described in appellants' involved application as comprising a

"plane polarizing element and a cooperating double refractory or quarter-wave element bonded together with the plane polarizing element on the side away from the lamp bulb so that light from an external source, after being first plane polarized, becomes circularly polarized by the quarter wave or double refractory element."

(Substantially the same description of the circular polarizing element is contained in appellee's

involved application and in the testimony of appellee's witnesses.) It further appears from the record that the first suggestion of the use of a circular polarizing material was made by appellee to the witness Kriebel on September 27, 1937, the day before the witness Kriebel wrote the hereinbefore quoted letter, dated September 28, 1937, to Mr. Braunsdorff, in which he requested that Mr. Braunsdorff forward a signal lamp which could be tested. The signal lamp, according to the record, was delivered by Mr. Braunsdorff to the Polaroid Corporation, and successful tests were made with the circular polarizing material by appellee's witness Martin Grabau, manager of the technical division of the sales department of the Polaroid Corporation, sometime between November 10 and 19, 1937, the latter date being the approximate date when the witness Kriebel personally returned the borrowed signal lamp to Mr. Braunsdorff at the plant of the Tung-Sol Lamp Works, Inc., and when he also delivered to Mr. Braunsdorff a sheet of circular polarizing material which was thereafter placed in the signal lamp and tested by appellants.

It is contended here by counsel for appellants that appellants are the original inventors of the subject-matter defined by the counts in issue; that they disclosed the invention to appellee prior to any knowledge thereof by him; that such disclosure was made in their letter to Mr. Kriebel, hereinbefore quoted, dated August 2, 1937; that the reference in that letter to "Polaroid screen," a sheet of "Polaroid," and "Polaroid," identified the circular polarizing material which was suggested by appellee and successfully used by the witness Grabau; that as appellants had disclosed the involved invention to appellee, they were entitled to the benefits of appellee's reduction of the involved invention to practice; and that, although it may have been necessary for appellee to select a "suitable polarizing material" to solve the problem, nevertheless, such selection, in view of appellants' disclosure in their letter of August 2, 1937, involved nothing more than the ordinary skill of a "worker in the art of light polarization." Counsel for appellants further argue in their brief that the relationship existing between the parties was such that all activities of appellee enured to the benefit of appellants, including the suggestion of the use of circular polarizing material and appellee's reduction to practice in November 1937; that the

"circumstances are such that any suggestion, *whether inventive or not*, which appellants might have made must enure wholly to the benefit of appellants" [italics ours];

that the correspondence between the parties amounted to a binding written agreement on the part of appellee that any suggestions or tests that he made were to enure to the benefit of appellants; and that there is

"no essential difference between an ordinary employer and employee case and a case, such as the instant one, wherein one party agrees to perfect the ideas of the other, except that in degree there is the difference that there is a higher trust relationship established between a manufacturer who agrees to perfect an idea submitted to him for the benefit of the party submitting the idea, than there is between the ordinary employee and employer."

It is argued by counsel for appellee, and it was held by each of the tribunals of the Patent Office, that the disclosure in appellants' letter of August 2, 1937, of "Polaroid screen," a sheet of "Polaroid," and "Polaroid," was not a disclosure of circular polarizing material, the use of which both parties state in their applications solved the problem of suppressing phantom or false signals; that appellants did not disclose to appellee the involved invention; and that appellants' disclosure was not of such character that it would enable one skilled in the art of light polarization to solve the problem of suppressing phantom or false signals without the exercise of the inventive faculties.

It appears from the testimony of the witness Kriebel that during the summer of 1937 neither the Polaroid Corporation nor its predecessors ("Land-Wheelwright Laboratories or Sheet Polarizer Company") were selling or offering for sale circular polarizing material; that ordinary plane polarizing material was the only polarizing material then being sold or offered for sale by the Polaroid Corporation or its predecessors; that it was sold under the trademark "Polaroid"; that such plane polarizing material could not be used successfully to suppress phantom or false signals; and that in order to solve the problem confronting the parties it was necessary to use circular polarizing material, which as hereinbefore stated, means plane polarizing material combined with a double-refractory or quarter-wave element. Furthermore, it appears from appellants' specification that the plane polarizing material or sheet is

"procurable on the market under the commercial name 'Polaroid'";

and that the quarter-wave or double-refractory element

"may be a Fresnel rhomb or any suitable double refracting material which gives a quarter wave retardation to one component of the beam with respect to the other component."

It would seem to be evident from what has been said that the disclosure in appellants' letter of August 2, 1937, of "Polaroid" is not a disclosure of the polarizing material which the parties agree solved the problem of suppressing phantom or false signals in railway signaling devices. Furthermore, we think it is clear from the record that appellants had no conception on August 2, 1937, of the kind of polarizing material necessary to solve the problem. Nor are we able to say, on the record presented, that upon the suggestion of the use of "Polaroid," it would be obvious to one skilled in the art that circular polarizing material, such as is defined in both appellants' and appellee's applications, would suppress phantom and false signals.

We hold, therefore, that appellee is an original inventor of the subject matter defined by the involved counts, and that appellants are not entitled to the benefit of the work performed and the success achieved by appellee. See *King* v. *Burner*, 24 C. C. P. A. (Patents) 1312, 90 F.(2d) 343, 485 O. G. 749; *Raiche* v. *Foley*, 27 C. C. P. A. (Patents) 1380, 113 F.(2d) 497, 521 O. G. 1097.

It clearly appears from the record that appellee conceived the invention on September 27, 1937; that he reduced it to practice at least as early as November 19 of that year; and that it was not until after appellee's reduction to practice that appellants had a conception of the invention. That being so, it is unnecessary that we consider other arguments presented here by counsel for appellants.

We are in agreement with the conclusion reached by the tribunals of the Patent Office.

The decision of the Board of Appeals is affirmed. Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE LEWIS

No. 4,551. Decided June 15, 1942

[129 F.(2d) 560]

1. PATENTABILITY—AGGREGATION.
"While the question of what constitutes an aggregation in patent law has been a troublesome one and has been much discussed by the courts, we think the proposition is well settled that, to render claims for a combination patentable, all parts of the apparatus must function simultaneously or successively to produce a unitary result."

2. SAME—SAME—GLASS-MAKING APPARATUS.
Certain claims to glass-making apparatus, including a main furnace and a movable furnace, both of which are never used at the same time or in the same operation of the apparatus *Held* properly rejected on the ground of aggregation.

APPEAL from the Patent Office. Affirmed.

Messrs. Dorsey, Cole & Garner (*Mr. Vernon M. Dorsey* of counsel) for Lewis.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting claims 1, 2, 3, and 9 of appellant's application for a patent. Claim No. 7 was also before the Board of Appeals on appeal from the Examiner, but the latter's decision as to that claim was reversed.

Before us appellant has moved to dismiss the appeal as to claim 9 and it will be so ordered, leaving only claims 1, 2, and 3 for our consideration. These claims were rejected by the Examiner upon the ground of aggregation. The Board affirmed this ground of rejection and also held that the claims lacked invention over the cited prior art.

Claim 1 is illustrative of the subject matter claimed and reads as follows:

1. The combination with a sheet forming system comprising a melting furnace, a shiftable sheet forming machine receiving glass therefrom, and a conveyor in line with the sheet forming machine and receiving the sheet therefrom, the conveyor having a removable section, of a movable forehearth adapted to be inserted in the line of fixed section conveyor in the rear of the sheet forming mechanism, and a movable furnace having a discharge spout adapted by its movement to be brought into line with the conveyor.

Appellant's application relates to apparatus for the manufacture of sheet glass. The Examiner in his statement concisely described appellant's alleged invention as follows:

The subject matter sought to be covered by the finally rejected and appealed claims is an apparatus for the manufacture of sheet glass. The applicant places in the conveyors from the forming machine of a continuous tank a movable section which may be replaced by a forehearth and the forming machine of a day tank and provides a movable day tank which may be shifted in position so that it is alternately in operative communication with a fuel feeding system and in a position where its discharge spout will feed the movable forehearth. The purpose is to provide an arrangement operative when it is desired to melt special glasses in quantities less than that justifying the use of the continuous tank and so the so-called day tank is used.
* * *

We will first consider the rejection of the claims upon the ground of aggregation. Appellant's application states:

A standard practice for the manufacture of flat glass in large quantities involves the melting of the glass in a continuous tank and the fabrication at a forming pass of the molten glass delivered thereby into a continuous ribbon, a number of feet in width and of the desired thickness, and the delivery of the ribbon from the pass to a continuous lehr, the furnace, the forming pass and the lehr being in a straight line. The lehr is necessarily of great length to obtain the proper thermal cycle and is expensive and the tank that it may deliver the necessary amount of properly refined and melted glass is very large. It is often desired, however, to melt special glasses in quantities less than that justifying the use of the continuous tank, and for this purpose the so-called day tank is used. The handling of the sheets produced by the day tank, however, presents a problem in that they must be annealed, and if a continuous ribbon is to be fabricated such a procedure demands a lehr in alignment with the delivery from the forming pass.

My invention has for its object to provide means whereby the lehr which normally receives the glass ribbon from a continuous tank may when desired receive the ribbon from a day tank in lieu of that from the continuous tank. This I accomplish by placing in the conveyors from the forming machine of the continuous tank a movable section which may be replaced by a forehearth and a forming machine of the day tank and by providing a movable day tank which may be shifted in position so that it is alternately in operative communication with a fuel feeding system and in a position where its discharge spout will feed the movable forehearth.

The sole question upon this branch of the case is whether supplying a continuous melting furnace and also a movable furnace, both of which are never used at the same time or in the same operation of the system, renders the claims aggregative.

The only object of the movable furnace and attendant apparatus is to permit the manufacture of small quantities of glass, which cannot be economically done when the continuous tank is employed.

[1] While the question of what constitutes an aggregation in patent law has been a troublesome one and has been much discussed by the courts, we think the proposition is well settled that, to render claims for a combination patentable, all parts of the apparatus must function simultaneously or successively to produce a unitary result. *Reckendorfer* v. *Faber*, 92 U. S. 347, 9 O. G. 71; *Grinnell Washing Machine Co.* v. *Johnson Co.*, 247 U. S. 426, 254 O. G. 225; *Hailes* v. *Van Wormer*, 20 Wall. 353; *In re Hueber & Horton*, 21 C. C. P. A. (Patents) 1112, 70 F.(2d) 906, 447 O. G. 496; *In re Herthel*, 26 C. C. P. A. (Patents) 1423, 104 F.(2d) 824, 509 O. G. 294; *Sachs et al.* v. *Hartford Electric Supply Co.*, 47 F.(2d) 743.

In the case last above cited, decided by the Circuit Court of Appeals for the Second Circuit, it was said:

We have not dealt with the defendant's argument that the first patent is for an "aggregation." Frankly, we are unable to attach a definite meaning to that word. The notion that the parts of an invention must co-operate is certainly very persisting in the patent law, and it must correspond to some underlying idea. *So far as it means that the whole complex claimed must be a unit in use, each part of which shall be necessary to the common result, we can understand it.* * * * [Italics ours.]

It is clear to us that the main furnace and the movable furnace do not in any way co-act to secure a unitary result.

As stated by the Solicitor for the Patent Office in his brief,

> In appellant's apparatus the two furnaces can never contribute to any unitary result. When one furnace is in operative position, the apparatus is complete and glass is produced which is in no way modified by the fact that there is another furnace which, if the operator desires, may some day be substituted for the one in use. Each furnace, when used, performs its own function in its own way and neither of them affects in any way the manner in which the other cooperates with the other parts of the apparatus. One furnace is used to produce one kind of glass under certain conditions and the other is used to produce another kind under other conditions. There is nothing which involves the use of both of them which could properly be considered a unitary result.

[2] We are in agreement with the Patent Office tribunals that each of claims 1, 2, and 3 is aggregative, and said claims were properly rejected.

We have examined the cases relied upon by appellant, and for the most part they are distinguishable from the case at bar.

In the case of *In re Herthel*, supra, although there was no co-action between certain steps of the process claimed, each of the steps did contribute to the unitary result, viz., the securing of a larger quantity of gasoline from high-boiling petroleum oil than had been possible by the teachings of the prior art.

Appellant cites a number of cases involving machines and apparatus containing parts which were alternatively used, claims to which were held not to be aggregative. Illustrations of such are knitting machines, cash registers, tabulating machines, etc. In each of such cases the parts alternatively used contributed to a unitary result; in other words, the machine or apparatus could not successfully function without the use of alternative parts.

Such is not the case with respect to the apparatus before us. Without the use of the movable furnace and day tank, the apparatus functions in exactly the same way as it does when the movable furnace and day tank are employed, the only difference being that a lesser amount of sheet glass will be manufactured than when the continuous tank is employed.

A case which, in principle, is closely analogous to the case at bar is that of *In re Dougherty*, 23 C. C. P. A. (Patents) 714, 79 F.(2d) 920, 463 O. G. 229. That case involved a gas water heater. The alleged invention there involved consisted in the provision of a "plurality of interchangeable gas burners * * * of different maximum capacities," so that the amount of gas consumed could be regulated according to the needs of the operator. Claims were made embodying this alternative use of the gas burners in the water heater, which claims were rejected by the Patent Office tribunals as being aggregative. In affirming this ground of rejection we quoted with approval the following from the decision of the Board of Appeals in that case:

> * * * These claims include a plurality of interchangeable gas burners only one of which would obviously be used for the production of hot water under a given set of conditions. The other burners might be miles away in the storehouse of the service company. While claim 11 includes a changeable baffle, this expression is broad enough to cover a baffle having removable sections all of which might be used under certain circumstances.
>
> In contending for the patentability of claim 11 and the claims which depend upon it, appellant has cited certain decisions of this Board which on their face seem to be directed to quite an analogous set of circumstances. In any combination claimed we think it essential that all recited elements shall be capable of cooperation to produce some unitary result.

It will be observed that in that case the multiplicity of burners permitted the amount of gas consumed to be adjusted to specific requirements; but the gas burners were never used at the same time or in the same operation, and there was no unitary result. So in the case at bar there is no unitary result obtained by the use of the two furnaces and the continuous and day tanks, nor are they ever used at the same time or in the same operation.

We are confident that the Patent Office tribunals did not err in holding that claims 1, 2, and 3 are unpatentable upon the ground of aggregation. Therefore it is unnecessary for us to consider the holding of the Board of Appeals that claims 1, 2, and 3 are not allowable over the cited prior art.

In accordance with appellant's motion the appeal as to claim 9 is dismissed, and the rejection of claims 1, 2, and 3 upon the ground of aggregation is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,454,653. (See 1,603,406.)

1,549,594, A. C. Menningen, Tumbler; 1,692,452, J. E. Kirkham, Skimmer scoop crane; 1,947,823, H. E. Brey, Crane driving and steering mechanism; 1,783,055, L. A. Russell, Hoe type shovel crane; 1,783,056, same, In-stroke shovel crane, filed Aug. 5, 1942, D. C., N. D. Ohio, W. Div., Doc. 4808, *Koehring Co.* v. *The Buckeye Traction Ditcher Co.*

1,603,406, J. H. Rand, Jr., Index device; 1,454,653, same, Visible index or reference device, D. C., S. D. N. Y., Doc. 13/157, *Remington Rand, Inc.*, v. *H. & R. Stationers Supply Co.* Dismissed for lack of prosecution July 7, 1942. Consent judgment (notice Sept. 16, 1942).

1,611,012, H. F. Flowers, Three-way dump motor truck bodies; 1,972,042, same, Dump vehicles; 1,785,678, 1,813,-570, 1,972,043, same, Dump vehicle with actuated door; 1,921,917, same, Yielding door mechanism; 1,830,390, same, Lift-door dump vehicle, filed July 13, 1942, D. C., N. D. Ill., E. Div., Doc. 4481, *H. F. Flowers* v. *Western-Austin Co. et al.*

1,628,229, P. J. Christman, Jr., Soap-sheet pack, D. C., S. D. Iowa (Ottumwa), Doc. 13, *Bay West Paper Co.* v. *Velso Products Co.* Dismissed (notice Sept. 15, 1942).

1,638,006, H. Aderer, Fracture splint, filed Sept. 17, 1942, D. C., E. D. Mich., S. Div., Doc. 3526, *J. F. Jelenko & Co., Inc.*, v. *Bendick Co.*

1,692,452. (See 1,549,594.)

1,724,542, J. Zabel, Fur-brushing and ironing machine; 1,776,114, S. Friedman, Fur treating method and apparatus, D. C., S. D. N. Y., Doc. 18/499, *Reliable Machine Works, Inc.*, v. *Ruh-Son Mechanical Equipment Corp.* Consent judgment (notice Sept. 10, 1942).

1,776,114. (See 1,724,542.)

1,776,941, J. M. Crom, Ditch trimmer, D. C. Del., Doc. 145, *J. M. Crom* v. *Cement Gun Co.* Injunction (notice Sept. 8, 1942).

1,783,055. (See 1,549,594.) 1,783,056. (See 1,549,594.)

1,785,678. (See 1,611,012.) 1,813,570. (See 1,611,012.)

1,830,390. (See 1,611,012.)

1,858,196, H. H. Wermine, Electric plug connector, D. C., E. D. Mich., S. Div., Doc. 942, *Belden Mfg. Co.* v. *Essex Wire Corp.* Consent judgment (notice Sept. 14, 1942).

1,867,144, L. Gelbman, Concrete molding machine, D. C., S. D. N. Y., Doc. 7/314, *H. F. Andrus et al.* v. *H. W. Bell Co., Inc.* Judgment (notice Sept. 1942).

1,921,917. (See 1,611,012.)

1,944,930, H. C. Drake, Flaw detector, appeal filed Sept. 15, 1942, C. C. A., 2d Cir., Doc. —, *Sperry Products, Inc.*, v. *Association of American Railroads.*

1,947,823. (See 1,549,594.)

1,951,498, H. E. Whitney, Receptacle, D. C. Mass., Doc. 1522, *Dover Stamping & Mfg. Co.* v. *Gilbert & Barker Mfg. Co.* Dismissed upon plaintiff's motion Aug. 25, 1942.

1,972,042. (See 1,611,012.) 1,972,043. (See 1,611,012.)

1,983,265, 2,053,595, 2,082,677, S. P. Belsinger, Shipping container; 2,094,783, same, Fiberboard container, D. C., N. D. Ga. (Atlanta), Doc. 2580, *Birmingham Paper Co.* v. *Belsinger, Inc., et al.* Injunction granted Sept. 14, 1942.

2,000,064. (See 2,120,230.) 2,053,595. (See 1,983,265.)

2,066,346, W. Greig, Manifold record supply packet; 2,120,161, H. Stevens, Unitary manifolding assembly, D. C., S. D. N. Y., Doc. 18/282, *American Sales Book Co.* v. *Acme Manifolding Co., Inc.* Consent judgment (notice Aug. 31, 1942).

2,069,871, S. O. Blanc, Cutter member for cleaning drain pipes; Re. 22,113, same, Drain cleaner, filed Sept. 17, 1942, D. C., S. D. Iowa (Des Moines), Doc. 219, *S. O. Blanc* v. *J. Longstaff.* Doc. 220, *S. O. Blanc* v. *Smith Sewer Service.*

2,082,677. (See 1,983,265.) 2,094,783. (See 1,983,265.)

2,120,161. (See 2,066,346.)

2,120,230, 2,000,064, H. S. Cover, Respirator, appeal filed Sept. 8, 1942, C. C. A., 2d Cir., Doc. —, *H. S. Cover* v. *Hygeia Respirator Co.*

2,127,468. (See Re. 21,030.)

2,136,196, M. W. Pitner, Spacer for hair curlers, D. C., S. D. Calif. (Los Angeles), Doc. 1507–B, *Products Development, Inc.*, v. *Artistic Wave Products, Inc., et al.* Dismissed for want of prosecution (notice Sept. 16, 1942).

2,150,204, J. H. Boye, Curtain fixture, D. C., W. D. Mich. (Grand Rapids), Doc. 127, *J. H. Boye Mfg. Co.* v. *Kirsch Co.* Dismissed without prejudice Sept. 11, 1942.

2,164,536. (See Re. 20,056.)

2,171,323, H. C. Wyland, Die and method of forming, D. C., N. D. Ind. (Fort Wayne), Doc. 111, *General Cable Corp.* v. *Detroit Wire Die Co.* Judgment for plaintiff for injunction (notice Sept. 16, 1942).

2,200,443, E. C. Dench, Discharge lamp circuit; 2,228,-210, R. F. Hays, Jr., Gaseous relay device, filed Aug. 27, 1942, D. C., S. D. N. Y., Doc. 19/146, *Westinghouse Electric & Mfg. Co.* v. *Todd Products Co.*

2,201,043. (See Des. 119,576.)

2,201,043, G. W. Kirsch, Extension curtain rod assembly, D. C., W. D. Mich. (Grand Rapids), Doc. 123, *Kirsch Co.* v. *S. S. Kresge Co.* Dismissed without prejudice Sept. 14, 1942.

2,228,210. (See 2,200,443.)

2,233,686, D. Topjian, Powder puff, D. C. Mass., Doc. 1661, *D. Topjian* v. *Jordan Marsh Co.* Consent judgment holding patent valid and infringed Aug. 31, 1942.

2,234,260, G. W. Kirsch, Extension curtain rod, D. C., W. D. Mich. (Grand Rapids), Doc. 224, *Kirsch Co.* v. *E. J. Riley Co.* Dismissed without prejudice Sept. 11, 1942.

2,252,732, Bodenschatz & Ridgway, Method of treating cellulose textile material, filed Aug. 17, 1942, D. C., N. D. Ill., E. Div., Doc. 4591, *Ridbo Laboratories, Inc.*, v. *Sears, Roebuck & Co. et al.*

Re. 20,056, 2,164,536, L. M. McCarthy, Garbage, ash, and refuse disposal, and land reclamation process, filed Sept. 17, 1942, D. C., E. D. N. Y., Doc. 2886, *L. M. McCarthy* v. *City of New York.*

Re. 20,896. (See Re. 21,030.)

Re. 21,030 (of Re. 20,896 and 2,127,468), E. H. Greibach, Bone conduction hearing device, filed May 27, 1942, D. C. Minn., 4th Div., Doc. 700, *E. H. Greibach et al.* v. *The Maico Co., Inc.* (To correct error in 542 O. G., p. 10, formerly published as filed in D. C. of Ill., Doc. 4375, *Addressograph-Multigraph Corp.* v. *Pruitt Sales Corp.*)

Re. 22,113. (See 2,069,871.)

Des. 119,576, G. W. Kirsch, Curtain rod; 2,201,043, same, Extension curtain rod assembly, D. C., W. D. Mich. (Grand Rapids), Doc. 124, *Kirsch Co.* v. *E. J. Riley Co.* Dismissed without prejudice Sept. 11, 1942.

Des. 131,392, S. Kuznets, Dress ensemble, filed Sept. 4, 1942, D. C., S. D. N. Y., Doc. 19/198, *Lipman Bros.* v. *D. R. A. Dress Co., Inc.*

Des. 131,583, M. C. McGee, Table cloth, filed Sept. 16, 1942, D. C., S. D. N. Y., Doc. 19/268, *N. J. Richman Co.* v. *European Linen Importing Corp.*

Des. 133,601, H. H. Stahl, Dress, filed Sept. 15, 1942, D. C., S. D. N. Y., Doc. 19/253, *Highlight Fashions, Inc.*, v. *Roseweb Frocks, Inc.* Doc. 19/254, *Highlight Fashions, Inc.*, v. *Randolph-Marged, Inc.*

Adjudicated Patents

(D. C. Ohio) Wittemeier patent, No. 1,521,575, for Filter for purifying air, claims 3 and 6 *Held* not infringed if valid. *American Air Filter Co.* v. *Air Maze Corporation*, 45 F. Supp. 977.

(D. C. N. Y.) Sinclair patent, No. 2,203,311, for Register shield and filter, claims 2 and 4 *Held* not infringed if valid. *Sinclair* v. *Beh & Co.*, 45 F. Supp. 979.

(D. C. N. Y.) Sinclair design patent, No. 118,420, for Design for an air filter, *Held* not infringed if valid. *Id.*

(D. C. N. Y.) Sinclair design patent, No. 122,931, for Design for an air filter, *Held* not infringed if valid. *Id.*

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING SEPTEMBER, 1942

STEPHEN F. WHITMAN & SON, INC., *v.* CHRISTY COSMETICS, INC., Opposition No. 20,618.

In a decision rendered September 1, 1942 (163 Ms. Dec. 1053, 54 U. S. P. Q. 465), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the opposition of Stephen F. Whitman & Son, Inc., of Philadelphia, Pa., to the application of Christy Cosmetics, Inc., of New York, N. Y., for registration of the word "Sampler" as a trade-mark for goods described in the application as "lipsticks". In his decision the Examiner "further adjudged that the applicant is entitled to the registration for which it has made application." This adjudication the First Assistant Commissioner reversed, refusing registration.

The opposition was predicated upon opposer's prior use and registration of the same mark for candy. The First Assistant Commissioner ruled that the opposition was properly dismissed on the ground that opposer's goods and applicant's are of different descriptive properties.

In refusing registration to applicant, the First Assistant Commissioner stated:

"The specimens filed with the application are cartons designed to contain a lipstick and eight samples of 'the famous Christy colors.' The cartons are labeled 'Christy Lipstick Sampler Set,' all four words being printed in the same type and in a single line. On one side, under the caption 'Try All Eight Colors on Your Lips,' appears the following:

" 'The selection of proper lipstick color has always been a baffling problem. How many times have you liked the color of a lipstick at the counter, or have selected from a chart, or have even marked the lipstick on your hand only to find, too late, that it did not give the desired effect on your lips?

" 'Now Christy offers you color insurance. You buy the color of lipstick you think is right but before you break the seal you try each lip-color on your own lips. The lip-shaped cups on the opposite side are filled with the same material as is moulded into Christy lipsticks and in exactly the same colors. Rub your finger tip on the surface and then on your lips. If you find you have purchased the wrong color of lipstick, return the sealed lipstick and exchange it for one in the color you desire. Then keep the sampler so that you have other colors for special occasions. There are several applications in each cup.'

"On the other side of the cartons is the warning:

" 'Do not break the seal on the lipstick until you have tested all colors in the sampler.'

"The word 'sampler,' defined as 'a specimen or example,' is listed as obsolete in Webster's New International Dictionary; but manifestly that is the meaning it is intended to convey to purchasers of applicant's product. Certainly it is not used as a trade-mark, nor is it likely to be considered by the public as an indication of origin. It is merely an apt name describing applicant's unique package."

EX PARTE EL RAY PRODUCTS CO., Serial No. 440,639.

In a decision rendered September 1, 1942 (163 Ms. Dec. 1051, 54 U. S. P. Q. 466), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing registration under the provisions of the act of February 20, 1905, to El Rey Products Co., of Los Angeles, Calif., of the word "Metalic" as a trade-mark for

"roofing material and more particularly composition roofing material and shingles and asphalt impregnated roofing material and shingles."

The Examiner refused registration on the ground that the mark is descriptive of the goods. In his statement on appeal, the Examiner said:

"It is the Examiner's belief that one seeing, in plain block letters, the notation 'Metallic' on roofing material, would register only the impression that the goods were made in whole or in part of metal, or that they resembled metal in appearance. In short, it is thought that the observer would acquire only information or misinformation about the goods. The omission of one 'l' in the spelling of the word 'Metallic' would be likely to escape some casual observers, and it is not a sufficient orthographic change to give trade-mark meaning to a word otherwise devoid of such meaning."

In sharing the views thus expressed by the Examiner, the First Assistant Commissioner said:

"Applicant points out that its products contain no metal, but it cannot be assumed that all members of the purchasing public are familiar with that fact, and the mark itself constitutes a direct averment to the contrary.

"The question here presented was fully discussed by the Court of Customs and Patent Appeals in the case of *In re Bonide Chemical Co.*, 18 C. C. P. A. 909, 46 Fed.(2d) 705. In that case it was sought to register the notation 'Crow-Tox' (meaning crow poison) for goods described in the application as 'a nonpoisonous preparation for protecting seed against birds and animals and for invigorating seeds.' In holding the mark nonregistrable, the court said:

" 'We are at a loss to understand how one can acquire legal title—an ownership protectable in the courts—of a mark (there being no ownership except when predicated upon use) which it is proposed to apply to a product and by it indicate that the product is of a particular character or quality, when, in fact, it has no such quality, and then secure registration of the mark, on its face descriptive, upon the statement that it is not descriptive because false and misleading.'

"That observation seems equally applicable with respect to the instant case. It is a matter of common knowledge, and is conceded by applicant, that some roofing materials are made of metal, in whole or in part; and its mark falsely indicates that applicant's product has that 'particular character or quality.' "

The First Assistant Commissioner added that if, upon further appeal, applicant's mark should be held registrable, applicant would be required to amend its description of goods by deleting therefrom the words "and more particularly" and substituting the word "namely."

CHARLES BANKS STOUT *v.* THE KANSAS MILLING COMPANY *v.* WASHBURN CROSBY COMPANY (GENERAL MILLS, INC., ASSIGNEE, SUBSTITUTED) *v.* STODDARD MILL & GRAIN COMPANY (THE SCOTT COUNTY MILLING COMPANY, ASSIGNEE, SUBSTITUTED) *v.* THE ISMERT-HINCKE MILLING COMPANY *v.* NEBRASKA CONSOLIDATED MILLS CO. *v.* THE LARABEE FLOUR MILLS CORPORATION (COMMANDER-LARABEE MILLING COMPANY, ASSIGNEE, SUBSTITUTED), Trade-Mark Interference No. 3109.

This trade-mark interference proceeding involves the application of Charles Banks Stout, of Memphis, Tenn., for registration of the word "Silk" as a trade-mark for wheat flour, and registrations of all other parties, for the same goods, of the marks including the same word. These other parties are The Kansas Milling Company, of Wichita, Kans., General Mills, Inc., of Minneapolis, Minn., The Scott County Milling Company, of Advance, Mo., The Ismert-Hincke Milling Company, of Kansas

City, Mo., Nebraska Consolidated Mills Co., of Grand Island, Nebr., and Commander-Larabee Milling Company, of Kansas City, Mo.

The case came before the First Assistant Commissioner upon Stout's appeal from the decision of the Examiner of Interferences adjudging Stout "not entitled to the registration for which he has made application." In a decision rendered September 9, 1942 (163 Ms. Dec. 1054, 54 U. S. P. Q. 496), *First Assistant Commissioner Frazer* affirmed said decision of the Examiner.

The earliest of the interfering registrations was issued February 8, 1921. The First Assistant Commissioner stated that Stout, himself, has used the mark of his application only since May, 1926; but claimed title through alleged predecessors in interest since about 1880. With reference to said claim of title, the First Assistant Commissioner said:

"For the purpose of this decision it may be assumed that the mark here sought to be registered was adopted and used by a corporation known as Regina Flour Mill Co. prior to the date of first use of any of the interfering marks. Appellant relies upon a purported assignment in November, 1924, from that concern to a second corporation known as Washington Flour Mill Co., and a transfer in May, 1926, from Washington Flour Mill Co. to himself.

"As junior party to this proceeding, the burden of proof rests upon appellant, and all doubts must be resolved against him. *Brewster-Ideal Chocolate Co.* v. *Dairy Maid Confectionery Co.*, 20 C. C. P. A. 848, 68 Fed.(2d) 844. So resolving doubts, I am constrained to agree with the Examiner of Interferences that appellant has failed to establish a valid transfer from Regina Flour Mill Co. to Washington Flour Mill Co., which transfer was an essential link in his purported chain of title.

"The only witness having personal knowledge of the transaction in question was Mr. Firmin D. Fusz. He identified appellant's Exhibit 6, which is referred to by the Examiner as a 'formal assignment.' This document was executed November 5, 1924, by Firmin D. Fusz and Eugene A. Fusz, as 'trustees for the stockholders of the former Regina Flour Mill Company, a corporation, now dissolved.' It recites that on the date of its execution 'the said Regina Flour Mill Company voluntarily dissolved, and the property aforesaid thereby became vested, under the laws of Missouri, in Eugene A. Fusz and Firmin D. Fusz, the last board of directors of said company, as trustees for the stockholders of the Regina Flour Mill Company, a corporation;' and lists the property to which it refers as certain specified trade-marks not here involved, 'and all other brands adopted and used by the Regina Flour Mill Company and its predecessor.' It purports to 'assign and transfer to the Washington Flour Mill Company all of the right, title and interest in and to said above mentioned trade-marks, and in and to the good-will of the business associated with said trade-marks, and in and to the business associated with said trade-marks.'

"It is well settled that 'a trade-mark can be transferred only in connection with the transfer of an existing business.' *Kelly Liquor Co.* v. *National Brokerage Co.*, 26 C. C. P. A. 1110, 102 Fed.(2d) 857; and I agree with the Examiner that it is at least doubtful upon the entire record whether there was an existing business to be transferred to Washington Flour Mill Co. But even if there had been, there are at least two valid objections to appellant's Exhibit 6 as evidence of the attempted transfer. One is that there is no proof of the authority of Eugene A. Fusz and Firmin D. Fusz to act as trustees for the stockholders of the defunct corporation. The other is that there is no proof of their authority to dispose of the assets of the corporation, even had the trust relation been established."

In passing upon the admissibility of three other exhibits introduced by the appellant Stout, the First Assistant Commissioner said:

"Appellant places considerable reliance upon his Exhibit 10, which purports to be a copy of an agreement among 'all the stockholders of the Regina Flour Mill Co. and of the Washington Flour Mill Co. or the executors of deceased stockholders in said companies,' and tends to throw some light upon the transaction referred to in Exhibit 6. With respect to Exhibit 10 the Examiner of Interferences expressed himself as being 'persuaded that it is here of little, if any probative value.' Aside from accounting for the loss of the original, no attempt was made to lay any foundation for the introduction of this exhibit; and as proper objections were interposed to its introduction, I must decline to consider it for any purpose.

"Appellant complains of the Examiner's ruling that his Exhibits 8 and 12 were 'inadmissible over objections which have been duly made with regard thereto.' These exhibits are printed records in an opposition proceeding and an interference proceeding, to neither of which any of the appellees in the instant case was a party. They were properly excluded by the Examiner on authority of *Breese* v. *Tampax Sales Corporation*, 26 C. C. P. A. 994, 102 Fed.(2d) 808, cited and relied upon in his decision."

In regard to a further complaint of the appellant, the First Assistant Commissioner stated:

"Finally, complaint is made of the Examiner's failure to give due weight to the Commissioner's decision in the case of *Oakford & Fahnestock* v. *Stout*, 156 Ms. D. 548, 8 U. S. P. Q. 72, where the appellant here defeated the opposition of Oakford & Fahnestock to his application for registration of the words 'Blue Ribbon' as a trade-mark for flour. In the course of his decision the Commissioner indicated that in his opinion the testimony submitted was sufficient to prove Stout's ownership of the mark there in issue, through the same succession of title upon which he relies in the instant case. That testimony, however, is not a part of the record here, nor is the decision binding upon any of the appellees."

CLOVER FARM STORES CORPORATION *v.* HARRIET HUBBARD AYER, INC., Opposition No. 20,805.

In a decision rendered September 16, 1942 (165 Ms. Dec. 945, 54 U. S. P. Q. 498), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition by Clover Farm Stores Corporation, of Cleveland, Ohio, to the application of Harriet Hubbard Ayer, Inc., of New York, N. Y., for registration of the mark "Pink Clover" for soap.

Neither party took testimony. The opposer filed copies of three registrations asserted in the notice of opposition, which registrations the Assistant Commissioner listed as follows:

"No. 290,469, under act of February 20, 1905, of the mark 'Clover Farm' for toilet and certain other soaps, issued January 5, 1932, to The Grocers & Producers Co., doing business as Clover Farm Stores.

"No. 316,286, under act of February 20, 1905, of the mark 'Clover Farm' for brushless and lather shaving cream, issued August 21, 1934, to opposer, Clover Farm Stores Corporation, and

"No. 317,820, under act of March 19, 1920, of the mark 'Sally Clover' for various named cosmetic items, issued October 2, 1934, to opposer, Clover Farm Stores Corporation."

The applicant filed copies of a considerable number of registrations to third parties as pertinent to the question of confusing similarity between applicant's mark and the marks of the foregoing registrations.

The Assistant Commissioner stated that these three registrations are asserted in the notice of opposition to have issued under the act of February 20, 1905, and to be owned by opposer, and that opposer had repeated these assertions on the appeal. In regard to said assertions, the Assistant Commissioner said:

"Opposer has submitted no proof that opposer and the registrant of registration No. 290,469 are the same company or that opposer has acquired the registration or the mark thereof from the registrant, and it is not understood why on this appeal opposer persists in stating the registration is owned by opposer or persists in stating that registration No. 317,820 was registered under act of February 20, 1905. Opposer has failed to establish ownership of either registration since it does not appear that registration No. 290,469 issued to or has been assigned to opposer and registration No. 317,820 having been granted under act of March 19, 1920, is not of itself evidence of ownership or use of the mark by the registrant. *The Pepsodent Co.* v. *Pepsinic Seltzer Company*, 26 C. C. P. A. 1210, 103 F.(2d) 362, 507 O. G. 505."

As to registration No. 316,286, the Assistant Commissioner held that since that registration was issued to opposer and under the act of February 20, 1905, it constitutes evidence of ownership and use

of the mark thereof by opposer. He added that this registration was issued prior to the date of first use claimed by applicant, and that it was admitted that the goods named in this registration and those named in the opposed application are goods of the same descriptive properties. The question remained, he said, whether the marks are or are not confusingly similar. Upon this question he had the following to say:

"Applicant calls attention to the fact that the Examiner of Trade-Marks by passing applicant's mark to publication indicated his opinion that no confusion was possible and opposer has offered no testimony that there has been confusion. This, however, is not determinative of the question. *Sutter Packing Co. v. Piggly Wiggly Corp.*, 20 C. C. P. A. 1069, 64 F.(2d) 1006, 430 O. G. 1083; *Auburn Rubber Corporation v. Hanover Rubber Company*, 27 C. C. P. A. 743, 107 F.(2d) 588, 314 O. G. 826.

"Applicant alleges that the registrations by others of marks consisting of or including the word 'Clover' for soaps and kindred goods require that the word 'Clover' in the marks here involved be considered to carry less trade-mark significance than the other words of the marks. It may be that those uses of the word 'Clover' by others would cause some persons acquainted with such uses to consider the word 'Clover' in the marks somewhat unreliable in indicating a particular source of origin of the goods to which opposer's or applicant's marks are applied, but such would not be the case with persons who were not familiar with such uses of the word by others; for instance the new class of purchasers such as was referred to in *Pepsodent Co. v. Comfort Manufacturing Co.*, 23 C. C. P. A. 1224, 83 F.(2d) 906, 472 O. G. 258. In that case the court said:

"'While it seems to be plausible to argue that some purchasers of so-called "dent" toothpaste would be likely to use more caution in making their purchases than most purchasers of goods of similar price and everyday use, it is also obvious that this would not apply to new purchasers of toothpaste who know nothing about the different kinds of goods sold under marks which have the so-called "dent" characteristics. We think the statute was designed to prevent confusion to purchasers generally and not to one particular class of purchasers.'

"The marks must be considered in their entireties, and when so considered it is noted that in each of these marks, 'Pink Clover' and 'Clover Farm', the word 'Clover' is prominent and is not descriptive of either of the goods to which the marks are applied. This word also brings into the marks the suggestiveness of clover; the one of clover having pink blossoms and the other of a farm with clover in a field. Of course the word 'Pink' is quite dissimilar from the word 'Farm' in appearance, sound and meaning and there is a difference in the suggestive meanings of the marks. However this latter difference is only one of the factors to be considered. *Kroger Grocery & Baking Co. v. Blue Earth Canning Company*, 24 C. C. P. A. 1098, 88 F.(2d) 725, 484 O. G. 745.

"The nature of the goods, namely soap and shaving cream, to which the marks are applied should be considered also. These products are quite similar in character and both might be expected to be products of the same manufacturer. The goods are inexpensive and are sold in the same stores. Confusion between marks applied to goods of this sort is often more likely than with goods which are expensive and of a more durable and lasting character in use. *The Bon Ami Company v. McKesson & Robbins, Inc.*, 25 C. C. P. A. 826, 93 F.(2d) 915, 490 O. G. 729.

"Considering the marks in their entireties and noting the similarities and dissimilarities and the relative effects thereof on the appearance, sound and significance of each mark as a whole, and considering the nature of the goods to which the marks are applied and the manner in which the goods are sold and used, it is my opinion that the word 'Clover' is so prominent in each mark and renders the complete marks so similar in trade-mark significance that the concurrent use of the marks on the respective goods would be likely to cause confusion and mistake in the mind of the public and to deceive purchasers as to the source of origin of the goods."

PAYNE COAL COMPANY, INC., *v.* RELIABLE COAL & MINING CO., Opposition No. 20,511.

In a decision rendered September 18, 1942 (165 Ms. Dec. 944 55 U. S. P. Q. 95), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of Payne Coal Company, Inc., of Wilkes-Barre, Pa., to the application of Reliable Coal & Mining Co., of Chicago, Ill., for registration of a trade-mark for coal.

Applicant's mark is described in the application as

"occasional orange blotches appearing throughout the coal in the bulk or mass, contrasting with the natural color of the coal,"

and it is said to be

"applied or affixed to the goods by painting, spraying, or sprinkling the coloring material, or by otherwise applying same to portions of the surfaces of some of the lumps of coal in divers other ways."

Applicant claimed use since May 15, 1939.

The Examiner sustained the opposition on the ground that applicant's mark is confusingly similar to opposer's trade-mark, registered July 16, 1929, for the same goods, and described in the registration as a "combustible orange disc bearing the words 'Orange Disc,'" which "is displayed upon the goods by scattering a few of the discs in the loose coal."

In his decision the Examiner said:

"With due regard to the distinct methods of application practiced by the parties and the incidental differences in the results obtained, the Examiner is of the opinion that the general effects produced thereby bear such near resemblance that the question of likelihood of confusion in trade is open to at least a reasonable doubt. The practice requires that such doubt be resolved in favor of the prior user, here the opposer."

In concluding that the Examiner was right, the First Assistant Commissioner stated:

"Applicant's 'occasional orange blotches,' when applied to a lump of coal by 'spraying or sprinkling the coloring material,' would necessarily assume various shapes, some of which would inevitably be circular. In other words, applicant's design, if a blotch may be called a design, includes the design of opposer's registered mark."

He added:

"But there is another reason why I think confusion would be likely. It is a matter of common knowledge that coal is frequently ordered by telephone. In such cases applicant's coal would necessarily be ordered as 'orange coal,' 'orange brand coal,' or possibly 'orange blotch coal,' and opposer's coal would presumably be ordered as 'Orange Disc coal.' That such oral designations are so nearly similar as to be likely to be confused seems too clear to permit of argument."

EX PARTE ELY & WALKER DRY GOODS COMPANY, Serial No. 440,926.

In a decision rendered rendered September 29, 1942 (— Ms. Dec. —, — U. S. P. Q. —), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in refusing registration to Ely & Walker Dry Goods Company, of St. Louis, Mo., of the trade-mark "Courtleigh Suede" for neckties, lounging robes and sport coats and jackets, the word "suede" being disclaimed. The Examiner refused registration on the ground that "Courtleigh" is merely a surname not distinctively displayed, citing *In re Nisley Shoe Co.*, 19 C. C. P. A. 1211, 58 F.(2d) 426, 423 O. G. 4.

In upholding the position of the Examiner, the Assistant Commissioner said:

"Applicant asserts that the word 'Courtleigh' suggests the meaning of 'courtly' because it has the same pronunciation as 'courtly' and for that reason 'Courtleigh' is not merely a surname and is not precluded from registration on that ground.

"Be that as it may, the word 'Courtleigh' is not the word 'courtly' and to my mind the mere fact that the words may be similar in pronunciation does not give the word 'Courtleigh' the meaning of courtly or give the word 'courtly' the meaning of the surname 'Courtleigh'. The latter word remains merely a surname, and even if, due to its pronunciation, it suggested another word with a different meaning, that would be immaterial.

"Since the word 'suede' is descriptive of the goods and is disclaimed and the word 'Courtleigh' is merely a surname not distinctively displayed the mark, which consists merely of these two words, is not registrable. *In re The Midy Laboratories, Inc.*, 26 C. C. P. A. 1294, 104 F.(2d) 617, 508 O. G. 578."

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 27, 1942

[VOL. 543. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 453,179. PHILIP J. FOX, Chicago, Ill. Filed May 22, 1942.

HYDRONO

FOR SYNTHETIC RESINS FOR MOISTURE PROOFING VARIOUS MATERIALS.
Claims use since May 4, 1942.

Ser. No. 454,826. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Aug. 10, 1942.

BUTAPRENE

FOR COMPOSITION OF SYNTHETIC RUBBER OR RUBBER-LIKE MATERIALS, WITH OR WITHOUT NATURAL RUBBER.
Claims use since May 27, 1942.

CLASS 2

RECEPTACLES

Ser. No. 454,429. LAWRENCE A. LOCKWOOD, Chicago, Ill. Filed July 22, 1942.

TABBY-TABLE

Applicant disclaims the word "Table" apart from the mark.
FOR FEEDING SETS COMPOSED OF A STAND AND A REMOVABLE DISH MADE OF SYNTHETIC MATERIALS.
Claims use since July 10, 1940.

Ser. No. 455,005. LAWRENCE A. LOCKWOOD, Chicago, Ill. Filed Aug. 20, 1942.

BYE BYE

FOR WATERPROOF BAGS FOR SOILED DIAPERS.
Claims use since July 1, 1939.

Ser. No. 455,297. CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed Sept. 3, 1942.

VAPO-PAK

No claim is made to the word "Pak" apart from the mark.
FOR PAPERBOARD CARTONS SOLD IN THE TRADE EMPTY.
Claims use since July 1, 1942.

Ser. No. 455,355. UNIVERSAL PAPER PRODUCTS COMPANY, Chicago, Ill. Filed Sept. 4, 1942.

UNIVERSAL

FOR COLLAPSIBLE TUBES.
Claims use since Aug. 27, 1942.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 443,108. THE BYARD MANUFACTURING COMPANY, LIMITED, Nottingham, England. Filed Apr. 30, 1941.

HALO

FOR SOAPS.
Claims use since 1909.

Ser. No. 454,829. RICHARD HUDNUT, New York, N. Y. Filed Aug. 10, 1942.

DU BARRY SUCCESS SCHOOL

Applicant disclaims the word "School" apart from the mark.
FOR SOAP.
Claims use since June 5, 1942.

Ser. No. 455,177. DELBENE HERMANOS Y COMPANIA, Buenos Aires, Argentina. Filed Aug. 29, 1942.



FEDERAL

FOR TOILET SOAP.
Claims use since January, 1942.

Ser. No. 455,178. DELBENE HERMANOS Y COMPANIA, Buenos Aires, Argentina. Filed Aug. 29, 1942.



FOR TOILET SOAP.
Claims use since January, 1942.

Ser. No. 455,299. THE COWLES DETERGENT COMPANY, Cleveland, Ohio. Filed Sept. 3, 1942.

SOILSORB

FOR CLEANING COMPOUND FOR USE IN WATER WITH OR WITHOUT SOAP.
Claims use since June 19, 1942.

CLASS 5

ADHESIVES

Ser. No. 452,712. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed May 1, 1942.

KODAFLAT

FOR PRESSURE SENSITIVE ADHESIVE CLOTH AND ADHESIVE CEMENT CONTAINING PRESSURE SENSITIVE ADHESIVE SOLIDS.
Claims use since Dec. 17, 1941, on adhesive cement; and since Nov. 22, 1938, on adhesive cloth.

Ser. No. 455,568. SAM MOORE & COMPANY, Cleveland, Ohio. Filed Sept. 16, 1942.

VICTORY

FOR WATER PROOF CEMENT FOR SECURING FLOOR COVERINGS TO SUPPORTING SURFACES.
Claims use since June 2, 1942.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 436,936. ARSHAK DER MINASSIAN, doing business as Avedis Ointment Co., Cambridge, Mass. Filed Oct. 14, 1940.



FOR OINTMENT FOR USE IN THE TREATMENT OF BURNS, CUTS, AND BOILS.
Claims use since Mar. 14, 1940.

Ser. No. 450,708. ROBERT G. BRECKENRIDGE, JR., doing business under the name Glamor Craft, Denver, Colo. Filed Feb. 4, 1942.

Thrill

FOR SILVER CHEMICAL PREPARATION USED AS A BATH FOR REMOVING TARNISH FROM SILVER.
Claims use since Nov. 10, 1941.

Ser. No. 451,485. JAMES M. BLACKBURN, Los Angeles, Calif. Filed Mar. 9, 1942.



All wording and notations except "Girl" are disclaimed apart from the association shown.
FOR HAND CREAM.
Claims use since Oct. 22, 1940.

Ser. No. 454,830. RICHARD HUDNUT, New York, N. Y. Filed Aug. 10, 1942.

DU BARRY SUCCESS SCHOOL

Applicant disclaims the word "School" apart from the mark.
FOR CLEANSING CREAM, FOUNDATION LOTION, SKIN FRESHENER, AND FACE POWDER.
Claims use since June 5, 1942.

Ser. No. 455,062. THE ALPHADEN COMPANY, Chicago, Ill. Filed Aug. 24, 1942.

TRYCOGEN

FOR VAGINAL ANTISEPTIC FOR THE TREATMENT OF TRICHOMONAS VAGINALIS VAGINITIS.
Claims use since May 29, 1942.

Ser. No. 455,097. ETHYL CORPORATION, New York, N. Y. Filed Aug. 25, 1942.



No claim is made to the words "Brand of Antiknock Compound."
FOR ANTIKNOCK COMPOUND.
Claims use since July 29, 1942.

Ser. No. 455,102. HOUSE OF WESTMORE, INC., New York, N. Y. Filed Aug. 25, 1942.

OVERGLO

FOR FOUNDATION FACE CREAM.
Claims use since January, 1942.

Ser. No. 455,196. ABBOTT LABORATORIES, North Chicago, Ill. Filed Aug. 31, 1942.

DIATANIC

FOR MEDICINAL JELLY FOR USE IN THE TREATMENT OF LESIONS OF THE SKIN.
Claims use since Aug. 5, 1942.

Ser. No. 455,236. GUSTAVE MAURER, New York, N. Y. Filed Sept. 1, 1942.

PLANTIGRADE

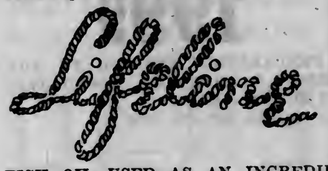
FOR PREPARATION FOR SLENDERIZATION TO BE USED EXTERNALLY.
Claims use since Aug. 4, 1941.

Ser. No. 455,238. NION CORPORATION, Los Angeles, Calif. Filed Sept. 1, 1942.

CANICHROME

FOR VITAMIN CAPSULES PREPARED FROM CALCIUM PANTHOTHENATE, THIAMINE CHLORIDE, RIBOFLAVIN, NIACIN, YEAST CONCENTRATE, AND KELP.
Claims use since Aug. 24, 1942.

Ser. No. 455,244. J. HOWARD SMITH, Port Monmouth, N. J. Filed Sept. 1, 1942.



FOR FISH OIL USED AS AN INGREDIENT IN FEED FOR POULTRY AND OTHER DOMESTIC ANIMALS.
Claims use since May 18, 1942.

Ser. No. 455,246. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y. Filed Sept. 1, 1942.

Out-Sect

FOR INSECTICIDES.
Claims use since Aug. 5, 1942.

Ser. No. 455,270. ERIC LOCKE, doing business as Locke and Company, Los Angeles, Calif. Filed Sept. 2, 1942.

Cano-Cal

FOR CALCIUM PREPARATION USED IN THE TREATMENT OF CALCIUM DEFICIENCY IN ANIMAL HUSBANDRY.
Claims use since July 11, 1942.

Ser. No. 455,274. WM. P. POYTHRESS & COMPANY, INCORPORATED, Richmond, Va. Filed Sept. 2, 1942.

merpectogel

FOR PHARMACEUTICAL PREPARATION FOR USE IN THE TREATMENT OF HUMAN VAGINAL INFECTIONS.
Claims use since Aug. 14, 1942.

Ser. No. 455,315. E. R. SQUIBB & SONS, New York, N. Y. Filed Sept. 3, 1942.

ARSECLOR

FOR ANTI-VENEREAL PREPARATIONS, PARTICULARLY AN ANTI-VENEREAL PRODUCT WHOSE GENERIC NAME IS PHENARSINE HYDROCHLORIDE OR 3-AMINO-4-HYDROXYPHENYLDICHLOROARSINE HYDROCHLORIDE.
Claims use since Aug. 20, 1942.

Ser. No. 455,349. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y. Filed Sept. 4, 1942.

HYDROCOL

FOR CHOLERETIC PREPARATION.
Claims use since Dec. 29, 1941.

Ser. No. 455,395. ROY T. KING, Montgomery, Ala. Filed Sept. 7, 1942.

1999

FOR PREPARATION TENDING TO AID IN ALLEVIATING PAROXYSMS ASSOCIATED WITH COUGHS DUE TO COLDS.
Claims use since Nov. 10, 1936.

Ser. No. 455,513. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Sept. 14, 1942.

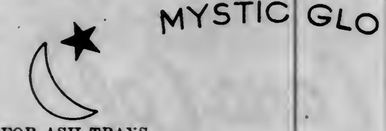
CONSTELLATION

FOR PERFUMES.
Claims use since Aug. 1, 1942.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 454,766. JOSEPHINE A. PORTER, Baltimore, Md. Filed Aug. 6, 1942.



FOR ASH TRAYS.
Claims use since Apr. 17, 1942.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 454,705. TEXAS PREFABRICATED HOUSE AND TENT CO., Dallas, Tex. Filed Aug. 3, 1942.

"Victory"

FOR PREFABRICATED STRUCTURES—NAMELY, PORTABLE BUILDINGS AND PARTS THEREFOR.
Claims use since Aug. 1, 1941.

Ser. No. 455,122. NATIONAL GYPSUM COMPANY, Buffalo, N. Y. Filed Aug. 26, 1942.

ACOUSTIFELT

FOR ROCK WOOL.
Claims use since August, 1932.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 455,013. AMERICAN SHOWER CABINET CO., INC., New York, N. Y. Filed Aug. 21, 1942.



Applicant disclaims the expression "American" separately from the mark.
FOR PORTABLE SHOWER CABINETS.
Claims use since July 15, 1942.

Ser. No. 455,173. COLUMBUS PLASTIC PRODUCTS INC., Columbus, Ohio. Filed Aug. 29, 1942.

PLASTITE

FOR BASIN, TUB, SINK, AND TRAY STOPPERS.
Claims use since Aug. 1, 1942.

Ser. No. 455,181. EMMET M. GREEN, Los Angeles, Calif. Filed Aug. 29, 1942.

SCRIVET

FOR FASTENING DEVICES IN THE FORM OF A COMBINED SCREW AND RIVET.
Claims use since Aug. 28, 1942.

CLASS 15

OILS AND GREASES

Ser. No. 455,209. THE PURE OIL COMPANY, Chicago, Ill. Filed Aug. 31, 1942.

PURODYNE

FOR MOTOR FUEL OILS, FUEL OILS, ILLUMINATING OILS, LUBRICATING OILS AND GREASES.
Claims use since July 21, 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 450,500. ACME WHITE LEAD AND COLOR WORKS, Detroit, Mich. Filed Jan. 27, 1942.



The portrait is that of Katherine Hibbens Campbell. The outline of the label is disclaimed apart from the mark. Applicant is owner of T. M. Reg. No. 329,016.
FOR FURNITURE POLISH.
Claims use since June 21, 1938.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 445,095. HUDSON MOTOR CAR COMPANY, Detroit, Mich. Filed July 5, 1941.

HUDSON
WEATHERMASTER

Applicant disclaims the word "Hudson" apart from the mark.
FOR AUTOMOBILE HEATERS UTILIZING HEAT FROM THE ENGINE.
Claims use since Oct. 13, 1939.

Ser. No. 445,096. HUDSON MOTOR CAR COMPANY, Detroit, Mich. Filed July 5, 1941.



FOR AUTOMOBILE HEATERS UTILIZING HEAT FROM THE ENGINE.
Claims use since Aug. 3, 1940.

Ser. No. 454,860. UNITED STATES TUBE & FOUNDRY CO., INC., Brooklyn, N. Y. Filed Aug. 11, 1942.

ROLL-ALONG WITH
U S
CASTERS

No claim is made to the word "Casters," to the letters "U. S.," nor to the representation of a caster apart from the mark.
FOR TRUCK CASTERS.
Claims use since January, 1940.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 452,797. AIRCRAFT SCREW PRODUCTS COMPANY, INCORPORATED, Long Island City, N. Y. Filed May 5, 1942.

HELI-COIL

The word "Coil" is disclaimed apart from the mark.
FOR SPARK PLUG BUSHINGS.
Claims use since Mar. 13, 1942.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 454,735. METRO MANUFACTURING CO., New York, N. Y. Filed Aug. 5, 1942.

Triple-Win

FOR PADS AND SHEETS USED TO PLAY THE GAME OF "BINGO."
Claims use since Apr. 1, 1942.

Ser. No. 455,091. SPARE-TIME CORPORATION, Minneapolis, Minn. Filed Aug. 24, 1942.

International
RUMMY

Except as shown, the word "Rummy" is disclaimed apart from the mark.
FOR GAME BOARDS.
Claims use since July 22, 1942.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 452,141. PAUL ALES, doing business as A and A Manufacturing Company, Chicago, Ill. Filed Apr. 4, 1942.



The trade-mark comprises the word "Cavex." The "C" is formed from the crescent shaped tine of applicant's patented rake. Applicant disclaims the representation of the rake per se.
FOR GARDEN TOOLS—NAMELY, RAKES, WEEDERS AND CULTIVATORS.
Claims use since February, 1941.

Ser. No. 453,058. HY-PRO TOOL CO., INC., New Bedford, Mass. Filed May 16, 1942.

HY-PRO

FOR TAPS, THREAD-CUTTING DIES, SCREW AND BOLT-HEADING DIES, CUTTERS, REAMERS, HOBS, COUNTERBORES, KNURLING TOOLS, AND PUNCHES.
Claims use since Apr. 29, 1941.

Ser. No. 454,146. NEW METHOD EQUIPMENT COMPANY, assignor to New Method Equipment Company, Indianola, Iowa. Filed July 10, 1942.

MARY D

FOR HAY STACKERS, LOADERS AND RACKS, AND PARTS THEREOF.
Claims use since Sept. 4, 1940.

Ser. No. 454,199. THE PATTERSON FOUNDRY & MACHINE CO., East Liverpool, Ohio. Filed July 13, 1942.



No claim is made to the word "Cone" apart from the mark.
FOR REVOLVING CONE MIXERS FOR STIRRING AND MIXING LIQUID AND SEMI-LIQUID SUBSTANCES AND THE LIKE.
Claims use since June, 1939.

Ser. No. 455,156. DURO METAL PRODUCTS COMPANY, Chicago, Ill. Filed Aug. 28, 1942.



The mark consists of a relatively narrow elongated figure, in the nature of a panel, formed in relief on the shank portion of a wrench as a prolongation of a face of an enlarged open end of the wrench. The shading indicates a polished metal surface. The representation of a wrench, per se, is disclaimed.
FOR WRENCHES.
Claims use since May 1, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 454,585. THE STUDEBAKER CORPORATION, South Bend, Ind. Filed July 29, 1942.

TREDO-GAGE

The term "Gage" is disclaimed apart from the mark.
FOR GAGES FOR MEASURING TREAD DEPTHS OF TIRES.
Claims use since July 2, 1942.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 454,944. THE GRUEN WATCH COMPANY, Cincinnati and Time Hill, Cincinnati, Ohio. Filed Aug. 17, 1942.

THE
GREATEST
NAME
IN
TIME

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since July 29, 1942.

CLASS 33

GLASSWARE

Ser. No. 451,752. BEVERLY OSBORNE, Oklahoma City, Okla. Filed Mar. 19, 1942.

CHICKEN IN THE ROUGH

FOR DRINKING GLASSES.
Claims use since September, 1936.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 454,017. SAWYER-HARE FURNACE COMPANY, Detroit, Mich. Filed July 2, 1942.

"SHAFCO"

FOR OVERHEAD OIL FIRED FURNACE.
Claims use since Aug. 14, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 455,070. GRAPHINE CORPORATION, Willow Grove, Pa. Filed Aug. 24, 1942.

GRAPHINE

FOR METALLIC AND FIBRE PACKING FOR RODS, SHAFTS, PISTONS, AND VALVE STEMS.
Claims use since June, 1940.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 446,219. RICO PRODUCTS LTD., Beverly Hills, Calif. Filed Aug. 13, 1941.

ANDRÉ

FOR SAXOPHONE AND CLARINET REEDS AND SAXOPHONES AND CLARINETS.
Claims use since January, 1919.

CLASS 37

PAPER AND STATIONERY

Ser. No. 454,709. THE AJAX BOX COMPANY, Chicago, Ill. Filed Aug. 4, 1942.

WIN-DO-DEC

FOR COLORED AND WHITE SINGLE FACED CORRUGATED SULPHITE PAPERS FOR USE MAINLY FOR DISPLAY MATERIALS IN THE DECORATIVE LINES.
Claims use since May 8, 1939.

Ser. No. 454,972. NOESTING PIN TICKET COMPANY, INCORPORATED, New York, N. Y. Filed Aug. 18, 1942.

VICTORY

FOR PAPER CLIPS.
Claims use since Feb. 8, 1932.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 455,241. PHILIP ROHOLD, doing business as Vee Photo Company, Irvington, N. Y. Filed Sept. 1, 1942.

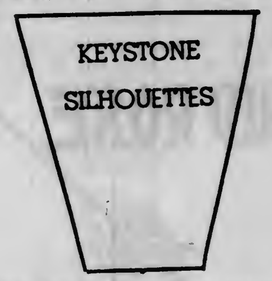


The words "Photo Company" are claimed only in connection with the other features of the mark.
FOR PHOTO PRINTS.
Claims use since Apr. 22, 1942.

CLASS 39

CLOTHING

Ser. No. 446,593. ROSENTHAL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Aug. 27, 1941.



FOR MEN'S SUITS, OVERCOATS, SPORT AND TOP COATS, FULL DRESS SUITS, AND TUXEDOS.
Claims use since November, 1940.

Ser. No. 449,588. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed Dec. 18, 1941.

Skylark

FOR WOMEN'S APPAREL FOR SPORTSWEAR—NAMELY, SLACKS, BLOUSES, SKIRTS, AND DRESSES.
Claims use since Dec. 9, 1941.

Ser. No. 452,414. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed Apr. 18, 1942.

Heather Dale Frocks

Applicant disclaims the words "Heather" and "Frocks" apart from the mark.
FOR LADIES' AND MISSES' DRESSES.
Claims use since Feb. 12, 1942.

Ser. No. 453,121. ROLLINS HOSIERY MILLS, INC., Des Moines, Iowa. Filed May 19, 1942.

SECRE-SEAL

FOR HOSIERY.
Claims use since Apr. 17, 1942.

Ser. No. 454,192. MURIEL JOHNSTONE, New York, N. Y. Filed July 13, 1942. Under the act of February 20, 1905, as amended June 10, 1938.

Marlboro silhouette Cigarette slim

No claim is made to the words "Marlboro" and "Slim" except as shown.
FOR WOMEN'S AND MISSES' COATS, SUITS, AND DRESSES.
Claims use since June 29, 1942.

Ser. No. 454,224. BEAVER SHIRT MANUFACTURING CO., INC., New York, N. Y. Filed July 15, 1942.

BUD ROSE



FOR MEN'S DRESS AND SPORT SHIRTS.
Claims use since Oct. 4, 1937.

Ser. No. 454,859. PHILIP SHLANSKY & BRO. INC., New York, N. Y. Filed Aug. 11, 1942.

Chatka-Kurl

The word "Kurl" is disclaimed apart from the mark.
FOR WOMEN'S, MISSES', AND GIRLS' COATS.
Claims use since July 1, 1942.

Ser. No. 455,047. COOPER'S, INCORPORATED, Kenosha, Wis. Filed Aug. 22, 1942.

Jockette

FOR UNDERWEAR FOR MEN, WOMEN, BOYS, GIRLS, AND CHILDREN.
Claims use since May 15, 1942.

Ser. No. 455,117. THE GENERAL ATHLETIC PRODUCTS COMPANY, Greenville, Ohio. Filed Aug. 26, 1942.

Fran-Sporter

FOR FLIGHT JACKETS.
Claims use since July 17, 1942.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 454,649. COHN-HALL-MARX CO., New York, N. Y. Filed Aug. 1, 1942.

VIGORIZED

FOR COTTON, RAYON, AND/OR SILK PIECE GOODS OR COMBINATION THEREOF.
Claims use since Apr. 15, 1942.

Ser. No. 454,790. THE WOOLEN CORPORATION OF AMERICA, New York, N. Y. Filed Aug. 7, 1942.



The word "Fabrics" is disclaimed apart from the mark.
FOR WOOLEN, WORSTED, AND COTTON PIECE GOODS.
Claims use since Apr. 25, 1927.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 454,427. LAWRENCE A. LOCKWOOD, doing business as Lockwood Products, Chicago, Ill. Filed July 22, 1942.

babykin

FOR INSULATED CONTAINERS ADAPTED TO HOLD A NURSING BOTTLE.
Claims use since Dec. 17, 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 440,164. THE KANSAS MILLING COMPANY, Wichita, Kans. Filed Jan. 31, 1941.

TailorMade

The word "Made" is disclaimed except as shown.
FOR HUMAN, ANIMAL, AND POULTRY FOODS—NAMELY, DAIRY RATION, CHICK SCRATCH, HEN SCRATCH, MASH AND WHEAT FLOUR.
Claims use since Jan. 9, 1941.

Ser. No. 449,037. JOSE CARBONE AND JUAN PELLEGRINO, Buenos Aires, Argentina. Filed Nov. 29, 1941.



FOR FISH CONSERVES.
Claims use since November, 1934.

Ser. No. 452,629. AMERICAN DIETAIDS COMPANY, INC., Yonkers, N. Y. Filed Apr. 28, 1942.

Dietician Brand

No claim is made to the word "Brand."
FOR GLUTEN FLOUR, BREAD, CHEWING GUM, SPAGHETTI, JAMS, JELLIES, PUDDINGS, CRACKERS, BREAKFAST CEREALS, GELATINE, SACCHARIN, AND CANDY.
Claims use since Dec. 22, 1941.

Ser. No. 453,402. THE W. R. ROACH COMPANY, Grand Rapids, Mich. Filed June 1, 1942. Under 10-year proviso.

GILMAN

FOR CANNED VEGETABLES.
Claims use since 1894.

Ser. No. 453,579. CALIFORNIA KRISPY CORN COMPANY, New Bedford, Mass. Filed June 10, 1942.

3-9

FOR PARCHED CORN, PEAS, AND FAVA BEANS PUT UP AND SOLD IN THE MANNER OF CONFECTIONS.
Claims use since May 1, 1942.

Ser. No. 454,933. H. & B. BELLEVILLE. Chicago, Ill. Filed Aug. 17, 1942.

TUM-E-TONER

FOR SMOKED SALMON COCKTAIL SAUSAGE AND SMOKED SLICED TURKEY.
Claims use since January, 1942.

Ser. No. 455,104. MCCORMICK & CO., INCORPORATED, Baltimore, Md. Filed Aug. 25, 1942.

VAN-O-FLAV

FOR IMITATION FOOD FLAVORING EXTRACTS.
Claims use since Aug. 20, 1942.

Ser. No. 455,105. MCCORMICK & CO., INCORPORATED, Baltimore, Md. Filed Aug. 25, 1942.

LEM-O-FLAV

FOR IMITATION FOOD FLAVORING EXTRACTS.
Claims use since Aug. 20, 1942.

Ser. No. 455,511. BUSH & LONG POTATO CHIP CO., El Paso, Tex. Filed Sept. 14, 1942.



FOR CORN CHIPS.
Claims use since Sept. 28, 1940.

CLASS 47

WINES

Ser. No. 454,412. CALIFORNIA WINE COMPANY, INCORPORATED, Chicago, Ill. Filed July 22, 1942.



The representation of the Star of David, and the word "Kosher" shown in Hebrew characters are disclaimed apart from the mark. The portraits are fanciful.
FOR WINE.
Claims use since Feb. 1, 1934.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 455,083. THE OLD READING BREWERY INC., Reading, Pa. Filed Aug. 24, 1942.



Applicant is owner of Reg. No. 330,068, for the words "Old Reading," and effected under the 10-year proviso.
FOR BEER, PORTER, STOUT, ALES.
Claims use since Jan. 15, 1942.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 452,961. GEORGE O. JENKINS COMPANY, Bridgewater, Mass. Filed May 12, 1942.

LEATHEROK

FOR FIBERBOARD IN SHEET FORM WHICH IS A LEATHER SUBSTITUTE FOR USE IN MAKING HEEL BASES AND BUILT UP HEELS FOR SHOES.
Claims use since Jan. 7, 1939.

Ser. No. 453,048. THE ARIDOR COMPANY, Chicago, Ill. Filed May 16, 1942.

ARRO

FOR CLOSURES FOR CONTAINERS — NAMELY, JAR CAPS FOR HOME CANNING.
Claims use since Feb. 1, 1942.

Ser. No. 454,931. W. L. STENSGAARD AND ASSOCIATES, INC., Chicago, Ill. Filed Aug. 15, 1942.

Prop-pets

FOR SMALL PAPIER MÂCHÉ AND PLASTER REPRODUCTIONS OF ANIMALS, FOR DISPLAY PURPOSES.
Claims use since Jan. 31, 1942.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 27, 1942

398,358. BOOKS, PAMPHLETS, CIRCULARS, AND FOR A PERIODICAL PUBLISHED FROM TIME TO TIME FOR THE FURTHERANCE OF ITS OBJECT. INTERNATIONAL BROTHERHOOD OF TEAMSTERS CHAUFFEURS STABLEMEN & HELPERS OF AMERICA, Indianapolis, Ind., and Washington, D. C.
Filed May 20, 1938. Serial No. 406,553. PUBLISHED AUGUST 29, 1939. Class 38.

398,359. CAKE FLOUR. VOIGT MILLING COMPANY, Grand Rapids, Mich.
Filed December 11, 1939. Serial No. 426,549. PUBLISHED AUGUST 18, 1942. Class 46.

398,360. BLANK CERTIFICATES OF MERIT, SOLD AS SUCH. THE OKAY-ERS, Kansas City, Mo.
Filed October 3, 1940. Serial No. 436,625. PUBLISHED AUGUST 18, 1942. Class 37.

398,361. NONALCOHOLIC MALTLESS FRUIT JUICES AND FRUIT CONCENTRATES FOR BEVERAGE PURPOSES. MONROE HARRISON, Chicago, Ill.
Filed November 14, 1940. Serial No. 437,865. PUBLISHED JANUARY 28, 1941. Class 45.

398,362. ELECTRIC FENCE CHARGER. THE BROWN FENCE & WIRE COMPANY, Cleveland, Ohio.
Filed January 11, 1941. Serial No. 439,586. PUBLISHED AUGUST 18, 1942. Class 21.

398,363. POWER TOOLS FOR BORING, SAWING, SHAPING AND SURFACE FINISHING WOOD, METAL, AND OTHER MATERIALS INCLUDING WOOD TURNING CHISELS. THE DELTA MANUFACTURING COMPANY, Milwaukee, Wis., assignor to Marshall Field, Charles G. Cushing, and H. Campbell Stuckeman, a general partnership doing business as The Delta Manufacturing Company, Milwaukee, Wis.
Filed June 19, 1941. Serial No. 444,665. PUBLISHED AUGUST 18, 1942. Class 23.

398,364. PHARMACEUTICAL PREPARATIONS FOR THE RELIEF OF PAIN. KORAY LIMITED, London, England.
Filed June 19, 1941. Serial No. 444,675. PUBLISHED AUGUST 18, 1942. Class 6.

398,365. METAL LATH. THE CONSOLIDATED EXPANDED METAL COMPANIES, Wheeling, W. Va.
Filed July 9, 1941. Serial No. 445,197. PUBLISHED AUGUST 18, 1942. Class 12.

398,366. CORRECTING PROJECTORS WITH COMPARITORS, ORTHOGRAPHS, TRACING PROJECTORS, PRECISION GLASS PLATE ENLARGERS, PARALLAX MEASURING INSTRUMENTS BEING MECHANICAL DEVICES THAT RECONSTRUCT SOME OF THE INTERIOR ELEMENTS OF AERIAL CAMERAS; REPORTING AIRPLANE NAVIGATIONAL INSTRUMENTS THAT APPEAR IN USE IN THE INSTRUMENT PANELS OF THE AIRCRAFT; AERIAL CAMERAS, DEVELOPING UNITS, CONTACT PRINTERS, INSPECTION REELS, ENLARGING PROJECTORS, RECTIFYING PROJECTORS, AND COPYING CAMERAS. AERO SERVICE CORPORATION, Philadelphia, Pa.
Filed July 11, 1941. Serial No. 445,248. PUBLISHED NOVEMBER 11, 1941. Class 26.

398,367. DISTILLED ALCOHOLIC LIQUORS—NAMELY, RUM. RONRICO CORPORATION, San Juan, P. R., and Miami, Fla.
Filed July 18, 1941. Serial No. 445,474. PUBLISHED AUGUST 18, 1942. Class 49.

398,368. DISTILLED ALCOHOLIC LIQUORS—NAMELY, RUM. RONRICO CORPORATION, San Juan, P. R., and Miami, Fla.
Filed July 18, 1941. Serial No. 445,475. PUBLISHED AUGUST 18, 1942. Class 49.

398,369. PERFUME AND TOILET WATERS, LIPSTICK AND FACE POWDERS. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y.
Filed July 29, 1941. Serial No. 445,726. PUBLISHED AUGUST 18, 1942. Class 6.

398,370. CANDY. JOHN T. TROLL, doing business as John T. Troll Co., Beverly Hills, Calif.
Filed September 2, 1941. Serial No. 446,746. PUBLISHED AUGUST 18, 1942. Class 46.

398,371. CANNED FRUITS, CANNED VEGETABLES, CANNED FRUIT AND VEGETABLE JUICES. BAGLEY CANNING COMPANY, Ashland, Oreg.
Filed October 15, 1941. Serial No. 447,789. PUBLISHED AUGUST 18, 1942. Class 46.

398,372. PREPARED FOOD PRODUCTS—NAMELY, PIES, PASTRIES, COOKIES, CAKES, SANDWICHES, SMOKED AND COOKED TONGUE, FOWL, FISH AND SALADS, NUTS, CANDIED FRUITS, CANDIES, AND COFFEE. C & L RESTAURANT & GRILL, INC., New York, N. Y.
Filed November 12, 1941. Serial No. 448,547. PUBLISHED AUGUST 18, 1942. Class 46.

398,373. DISTILLED ALCOHOLIC LIQUORS—NAMELY, RUM. RONRICO CORPORATION, San Juan, P. R., and Miami, Fla.
Filed November 12, 1941. Serial No. 448,580. PUBLISHED AUGUST 18, 1942. Class 49.

398,374. VERMOUTH, AND WINES GENERALLY. PETERS HERMANOS, COMPANIA COMERCIAL E INDUSTRIAL S. A., Buenos Aires, Argentina.
Filed November 29, 1941. Serial No. 449,066. PUBLISHED AUGUST 18, 1942. Class 47.

398,375. WHEAT FLOUR. HANOVER STAR MILLING CO., Germantown, Ill.
Filed December 8, 1941. Serial No. 449,266. PUBLISHED AUGUST 18, 1942. Class 46.

398,376. WHEAT FLOUR. HANOVER STAR MILLING CO., Germantown, Ill.
Filed December 8, 1941. Serial No. 449,271. PUBLISHED AUGUST 18, 1942. Class 46.

398,377. CLOSURES FOR CONTAINERS. THE ARIDOR COMPANY, Chicago, Ill.
Filed December 17, 1941. Serial No. 449,535. PUBLISHED AUGUST 18, 1942. Class 50.

398,378. FRUIT JUICES FOR FOOD PURPOSES—NAMELY, APPLE JUICE. CLARKE DONELSON CO., Yakima, Wash.
Filed December 15, 1941. Serial No. 449,476. PUBLISHED AUGUST 18, 1942. Class 46.

398,379. HAND AGRICULTURAL IMPLEMENTS AND HAND TOOLS—NAMELY, HEDGE SHEARS, GRASS SHEARS, PRUNING SHEARS, SHOVELS, SPADES, SCOOPS, FORKS, HOES, RAKES, POST HOLE DIGGERS, AND WEED CUTTERS. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio.
Filed December 29, 1941. Serial No. 449,818. PUBLISHED AUGUST 11, 1942. Class 23.

398,380. METAL PIPE FITTINGS. DAYTON FOUNDRY, INC., Hollydale, Calif.
Filed December 29, 1941. Serial No. 449,832. PUBLISHED AUGUST 18, 1942. Class 13.

398,381. FEEDING ATTACHMENT FOR PAPER HANDLING MACHINE. HALL AND BABB, Kansas City, Mo.
Filed December 31, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 449,903. PUBLISHED AUGUST 11, 1942. Class 23.

398,382. PREPARATION FOR RENDERING TEXTILES, FABRICS, AND TEXTILE AND OTHER MATERIALS, EXCLUSIVE OF LITHOGRAPHIC AND PLANOGRAPHIC PRINTING PLATES AND OTHER LITHOGRAPHIC AND PLANOGRAPHIC MATERIALS, WATER, STAIN, AND PERSPIRATION RESISTANT. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J.
Filed December 31, 1941. Serial No. 449,912. PUBLISHED MARCH 3, 1942. Class 6.

398,383. WINE. DISTILLERS WAREHOUSE, INC., St. Louis, Mo.
Filed January 9, 1942. Serial No. 450,090. PUBLISHED AUGUST 11, 1942. Class 47.

398,384. MONTHLY MAGAZINE. SCREENLAND MAGAZINE, INC., New York, N. Y.
Filed January 30, 1942. Serial No. 450,604. PUBLISHED AUGUST 18, 1942. Class 38.

398,385. MEDICINAL PREPARATION FOR COLDS AND MALARIA. REBA KANCHER, doing business as Parrish Laboratories, Philadelphia, Pa.
Filed February 3, 1942. Serial No. 450,680. PUBLISHED AUGUST 18, 1942. Class 6.

398,386. MONTHLY MAGAZINE OR PERIODICAL WRITTEN IN THE PORTUGUESE LANGUAGE. THE READER'S DIGEST ASSOCIATION, INC., Pleasantville, N. Y.
Filed February 11, 1942. Serial No. 450,906. PUBLISHED AUGUST 18, 1942. Class 38.

398,387. TRACTORS, PLOWS, CULTIVATORS, HARROWS, SEEDERS, HOES, DIGGERS, HILLERS, MOWERS, LEVELERS, ETC. LE ROI COMPANY, West Allis, Wis.
Filed March 16, 1942. Serial No. 451,645. PUBLISHED AUGUST 11, 1942. Class 23.

398,388. ELECTRICAL CONDUITS HAVING INSULATING MATERIALS APPLIED THEREON FOR USE IN AIRCRAFT, AIRCRAFT MOTORS, AND MOTORS AND MACHINERY OF ALL TYPES. SEARLE AERO INDUSTRIES, INC., Hawthorne, Calif.
Filed March 18, 1942. Serial No. 451,730. PUBLISHED AUGUST 18, 1942. Class 21.

398,389. TOILET TISSUE AND TOWELS. STEVENS & THOMPSON PAPER COMPANY, Greenwich, N. Y.
Filed March 20, 1942. Serial No. 451,785. PUBLISHED AUGUST 18, 1942. Class 37.

398,390. WOMEN'S AND MISSES' SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. ROSENTHAL & DOUCETTE, INC., Beverly, Mass., and New York, N. Y.
Filed June 3, 1942. Serial No. 453,447. PUBLISHED AUGUST 25, 1942. Class 39.

398,391. FRESH VEGETABLES AND FRESH GRAPES. A. ARENA AND CO., LTD., Los Angeles, Calif.
Filed April 27, 1942. Serial No. 452,597. PUBLISHED AUGUST 18, 1942. Class 46.

398,392. DRESSED POULTRY. GALE E. PUGH & CO. INC., Washington, D. C.
Filed April 28, 1942. Serial No. 452,652. PUBLISHED AUGUST 18, 1942. Class 46.

398,393. LIGNIN PLASTIC MOLDING MATERIALS IN POWDER AND SHEET FORM. MASONITE CORPORATION, Chicago, Ill.
Filed May 2, 1942. Serial No. 452,751. PUBLISHED AUGUST 18, 1942. Class 1.

398,394. COUPLINGS, NOZZLES, NOZZLE ATTACHMENTS AND TIPS, VALVES, PLAY PIPES, METAL MENDING SLEEVES, ETC. THE WOOSTER BRASS COMPANY, Wooster, Ohio.
Filed May 2, 1942. Serial No. 452,758. PUBLISHED AUGUST 18, 1942. Class 13.

398,395. TENTS, TARPAULINS, WATER BAGS OF CANVAS OR DUCK, AND WATER-PROOF TREATED COTTON DUCK. H. WENZEL TENT & DUCK COMPANY, St. Louis, Mo.
Filed May 4, 1942. Serial No. 452,794. PUBLISHED AUGUST 18, 1942. Class 50.

398,396. TENTS, TARPAULINS, WATER BAGS OF CANVAS OR DUCK, AND WATER-PROOF TREATED COTTON DUCK. H. WENZEL TENT & DUCK COMPANY, St. Louis, Mo.
Filed May 4, 1942. Serial No. 452,795. PUBLISHED AUGUST 18, 1942. Class 50.

398,397. VITAMINS A, B_1, B_2, AND C AND FOR CALCIUM AND IRON, IN PILL FORM. VITA-MIN-GO, INC., New York, N. Y.
Filed May 5, 1942. Serial No. 452,815. PUBLISHED AUGUST 18, 1942. Class 6.

398,398. PIG BROODER HOUSES. PERRY C. JAMES, doing business as James Manufacturing Company, Peoria, Ill.
Filed May 7, 1942. Serial No. 452,859. PUBLISHED AUGUST 18, 1942. Class 12.

398,399. HOUSE ORGAN ISSUED FROM TIME TO TIME. KELLOGG COMPANY, Battle Creek, Mich.
Filed May 8, 1942. Serial No. 452,892. PUBLISHED AUGUST 11, 1942. Class 38.

398,400. STANDS IN THE NATURE OF RECEPTACLES FOR DISPLAYING MERCHANDISE. KELLOGG COMPANY, Battle Creek, Mich.
Filed May 9, 1942. Serial No. 452,907. PUBLISHED AUGUST 18, 1942. Class 2.

398,401. TILES AND SECTIONS OF COMPOSITION FLOORING AND CEMENTITIOUS COMPOSITIONS FOR MAKING THE SAME BY ADDING MOISTURE THERETO. CLAUDE W. BOSTOCK, doing business as Corite Co., Los Angeles, Calif.
Filed May 11, 1942. Serial No. 452,920. PUBLISHED AUGUST 18, 1942. Class 12.

398,402. BUILDING CONSTRUCTION FLASHINGS MADE OF NON-METALLIC SHEET MATERIAL. HERBERT P. ORTH, doing business as Keystone Flashing Company, Philadelphia, Pa.
Filed May 11, 1942. Serial No. 452,932. PUBLISHED AUGUST 18, 1942. Class 12.

398,403. NEWSPAPER COLUMN. PAUL S. SEWARD, Summit, N. J.
Filed May 16, 1942. Serial No. 453,067. PUBLISHED AUGUST 11, 1942. Class 38.

398,404. PHONOGRAPHS, MECHANICAL AND ELECTRICAL SOUND REPRODUCING DEVICES OF THE RECORD TYPE, ETC. DECCA RECORDS, INC., New York, N. Y.
Filed May 18, 1942. Serial No. 453,077. PUBLISHED AUGUST 18, 1942. Class 36.

398,405. POULTRY MEDICINE USED IN THE TREATMENT OF BABY CHICKS AND DOMESTIC FOWLS. THE SHORES COMPANY, INCORPORATED, Cedar Rapids, Iowa.
Filed May 19, 1942. Serial No. 453,122. PUBLISHED AUGUST 18, 1942. Class 6.

398,406. POULTRY MEDICINE, USED IN THE TREATMENT OF BABY CHICKS AND DOMESTIC FOWLS. THE SHORES COMPANY, INCORPORATED, Cedar Rapids, Iowa.
Filed May 19, 1942. Serial No. 453,123. PUBLISHED AUGUST 18, 1942. Class 6.

398,407. POULTRY MEDICINE, USED IN THE TREATMENT OF BABY CHICKS AND DOMESTIC FOWLS. THE SHORES COMPANY, INCORPORATED, Cedar Rapids, Iowa.
Filed May 19, 1942. Serial No. 453,124. PUBLISHED AUGUST 18, 1942. Class 6.

398,408. POULTRY MEDICINE, USED IN THE TREATMENT OF BABY CHICKS AND DOMESTIC FOWLS. THE SHORES COMPANY, INCORPORATED, Cedar Rapids, Iowa.
Filed May 19, 1942. Serial No. 453,125. PUBLISHED AUGUST 18, 1942. Class 6.

398,409. ARTICLES PUBLISHED AT INTERVALS DESCRIPTIVE OF LATEST TRENDS IN FASHIONS. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed May 20, 1942. Serial No. 453,146. PUBLISHED AUGUST 11, 1942. Class 38.

398,410. WINES. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J.
Filed May 22, 1942. Serial No. 453,185. PUBLISHED AUGUST 11, 1942. Class 47.

398,411. ASSEMBLED WINDOW UNITS. WM. CAMERON & CO. INC., Waco, Tex.
Filed May 25, 1942. Serial No. 453,232. PUBLISHED AUGUST 18, 1942. Class 12.

398,412. ASSEMBLED WINDOW UNITS. WM. CAMERON & CO. INC., Waco, Tex.
Filed May 25, 1942. Serial No. 453,233. PUBLISHED AUGUST 18, 1942. Class 12.

398,413. CHANNELS FOR GUIDING MOVEMENT OF VEHICLE WINDOWS, CLUTCHES FOR WINDOW REGULATORS, VEHICLE DOOR HANDLES, VEHICLE WINDOW REGULATOR HANDLES. DETROIT HARVESTER COMPANY, Detroit, Mich.
Filed May 26, 1942. Serial No. 453,270. PUBLISHED AUGUST 18, 1942. Class 19.

398,414. CONCRETE DISTRIBUTING OR PAVING MACHINES. KOEHRING COMPANY, Milwaukee, Wis.
Filed May 26, 1942. Serial No. 453,274. PUBLISHED AUGUST 18, 1942. Class 23.

398,415. NAIL POLISH, CREAM AND COMPACT ROUGES, AND LIPSTICK. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed June 27, 1942. Serial No. 453,908. PUBLISHED AUGUST 18, 1942. Class 6.

398,416. EXHAUST MANIFOLDS FOR INTERNAL COMBUSTION ENGINES. SOLAR AIRCRAFT COMPANY, San Diego, Calif.
Filed June 29, 1942. Serial No. 453,948. PUBLISHED AUGUST 11, 1942. Class 23.

398,417. PERFUMES AND TOILET WATER. RENOIR PARFUMS, LTD., New York, N. Y., assignor to Maurice Levy, New York, N. Y.
Filed July 1, 1942. Serial No. 453,993. PUBLISHED AUGUST 18, 1942. Class 6.

398,418. PRINTS OR PICTORIAL ILLUSTRATIONS IN POST CARD FORM. ESQUIRE, INC., Chicago, Ill.
Filed July 2, 1942. Serial No. 454,003. PUBLISHED AUGUST 18, 1942. Class 38.

398,419. SEED PROTECTANT AND DISINFECTANT. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed July 2, 1942. Serial No. 454,022. PUBLISHED AUGUST 18, 1942. Class 6.

398,420. QUARTERLY PUBLICATION CONTAINING ARTICLES AND EDITORIAL MATTER WHICH WOULD BE OF INTEREST TO YOUNG MOTHERS OR PROSPECTIVE MOTHERS. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed May 28, 1942. Serial No. 453,337. PUBLISHED AUGUST 18, 1942. Class 38.

398,421. VENTILATORS OF THE LOUVRE TYPE, BOTH ADJUSTABLE AND STATIONARY, FOR WINDOWS, TRANSOMS, DOORS, WALLS, FLOORS, AND CEILINGS. THE AIROLITE COMPANY, Marietta, Ohio.
Filed May 29, 1942. Serial No. 453,352. PUBLISHED AUGUST 18, 1942. Class 34.

398,422. AIRPLANES AND STRUCTURAL PARTS THEREOF. BELL AIRCRAFT CORPORATION, Buffalo, N. Y.
Filed May 30, 1942. Serial No. 453,377. PUBLISHED AUGUST 18, 1942. Class 19.

398,423. AIRPLANES AND STRUCTURAL PARTS THEREOF. BELL AIRCRAFT CORPORATION, Buffalo, N. Y.
Filed May 30, 1942. Serial No. 453,378. PUBLISHED AUGUST 18, 1942. Class 19.

398,424. AIRPLANES AND STRUCTURAL PARTS THEREOF. BELL AIRCRAFT CORPORATION, Buffalo, N. Y.
Filed May 30, 1942. Serial No. 453,379. PUBLISHED AUGUST 18, 1942. Class 19.

398,425. MATERIAL HANDLING EQUIPMENT—NAMELY, TWO WHEEL HAND TRUCKS, REMOVABLE BODIES FOR HAND TRUCKS, BARREL TRUCKS, HAND-PROPELLED FOUR WHEEL PLATFORM TRUCKS, SHELF TRUCKS, BOX TRUCKS, AND SKID PLATFORMS. JAMES R. KATZMAN, doing business as Re-Bo Equipment Company, New York, N. Y.
Filed June 1, 1942. Serial No. 453,397. PUBLISHED AUGUST 18, 1942. Class 19.

398,426. MEDICINAL PREPARATION FOR TREATMENT OF DISEASES AND AILMENTS OF THE HEART AND NERVES AND A VITAMIN PRODUCT. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y.
Filed June 2, 1942. Serial No. 453,421. PUBLISHED AUGUST 18, 1942. Class 6.

398,427. THERAPEUTIC VITAMIN PREPARATION. HOLLIS COMPANY, Newark, N. J.
Filed June 5, 1942. Serial No. 453,492. PUBLISHED AUGUST 18, 1942. Class 6.

398,428. CANNED PEELED TOMATOES AND TOMATO PASTE, MINESTRONE SOUP, KIDNEY BEANS, AND FISH. UDDO & TAORMINA COMPANY, New York, N. Y.
Filed June 9, 1942. Serial No. 453,576. PUBLISHED AUGUST 18, 1942. Class 46.

398,429. RELISH AND JAM SETS HAVING A BASE METAL TRAY; COMPRESSION FITTINGS FOR AUTOMOBILE FUEL LINES; ETC. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn.
Filed June 11, 1942. Serial No. 453,592. PUBLISHED AUGUST 18, 1942. Class 13.

398,430. SULFONAMIDES. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed June 11, 1942. Serial No. 453,604. PUBLISHED AUGUST 18, 1942. Class 6.

398,431. PRINTERS' AND COMPOSING ROOM FURNITURE—NAMELY, METAL AND WOODEN CABINETS, TABLES, AND DESKS, LEAD, SLUG, AND CHASE CASES AND RACKS, DRYING RACKS, AND GALLEY SHELVING AND RACKS. HAMILTON MANUFACTURING COMPANY, Two Rivers, Wis., and Rahway, N. J.
Filed June 12, 1942. Serial No. 453,622. PUBLISHED AUGUST 18, 1942. Class 32.

398,432. PREPARATION OF GOLD COMPOUND FOR USE IN ARTHRITIS. ENDO PRODUCTS, INC., New York, N. Y.
Filed June 13, 1942. Serial No. 453,637. PUBLISHED AUGUST 18, 1942. Class 6.

398,433. BLUEING; LYE AND POTASH; DISINFECTANTS; INSECTICIDES; AMMONIA; AMMONIA POWDER; BLEACH; BORAX; JAVELLE WATER; CHLORIDE OF LIME; SAL SODA; AND FOOD COLORINGS. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed June 13, 1942. Serial No. 453,654. PUBLISHED AUGUST 18, 1942. Class 6.

398,434. PLAYING CARDS. HARRY BLATT, doing business as Audubon Tobacco Co., New York, N. Y. Filed June 17, 1942. Serial No. 453,705. PUBLISHED AUGUST 18, 1942. Class 22.

398,435. MOLDED PLASTIC PARTS FOR ELECTRICAL APPARATUS, MACHINES AND SUPPLIES. BOONTON MOLDING COMPANY, Boonton, N. J. Filed June 19, 1942. Serial No. 453,744. PUBLISHED AUGUST 18, 1942. Class 21.

398,436. PHARMACEUTICAL COMPOUND FOR THE RELIEF OF POISON IVY, POISON OAK AND OTHER SKIN IRRITATIONS. C. H. DE WOLF COMPANY, East Haven, Conn. Filed June 19, 1942. Serial No. 453,748. PUBLISHED AUGUST 18, 1942. Class 6.

398,437. THERAPEUTIC PREPARATIONS FOR USES COMPRISING THOSE OF ANESTHETIC, HYPNOTIC, SEDATIVE, SLEEP-PRODUCING, AND VASO-DILATION AGENTS. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed June 19, 1942. Serial No. 453,761. PUBLISHED AUGUST 18, 1942. Class 6.

398,438. ALIMENTARY PASTES SUCH AS SOUP ALPHABETS AND BABY SEA SHELLS. THE JOHN B. CANEPA COMPANY, Chicago, Ill. Filed June 20, 1942. Serial No. 453,770. PUBLISHED AUGUST 18, 1942. Class 46.

398,439. ALIMENTARY PASTES SUCH AS SOUP ALPHABETS AND BABY SEA SHELLS. THE JOHN B. CANEPA COMPANY, Chicago, Ill. Filed June 20, 1942. Serial No. 453,771. PUBLISHED AUGUST 18, 1942. Class 46.

398,440. CHISELS. SANDVIK SAW & TOOL CORPORATION, New York, N. Y. Filed June 20, 1942. Serial No. 453,781. PUBLISHED AUGUST 11, 1942. Class 23.

398,441. PERIODICAL PUBLICATION. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y. Filed June 22, 1942. Serial No. 453,785. PUBLISHED AUGUST 18, 1942. Class 38.

398,442. PHOTOGRAPHIC APPARATUS — NAMELY, CAMERA LENSES. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y. Filed June 22, 1942. Serial No. 453,793. PUBLISHED AUGUST 18, 1942. Class 26.

398,443. PHOTOGRAPHIC APPARATUS — NAMELY, CAMERA SHUTTERS. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y. Filed June 22, 1942. Serial No. 453,794. PUBLISHED AUGUST 18, 1942. Class 26.

398,444. CREAM SEPARATOR PARTS, AS FOLLOWS—DISCS, DISC HOLDERS, DIVIDING DISC, BOWL BOTTOM AND TOP NUT, GEARS, BEARINGS, HANDLES, SUPPLY TANK AND CREAM AND MILK SPOUTS. THE GALLOWAY COMPANY, INC., Waterloo, Iowa. Filed June 22, 1942. Serial No. 453,795. PUBLISHED AUGUST 18, 1942. Class 23.

398,445. WIRE STITCHING MACHINES. HARRIS-SEYBOLD-POTTER COMPANY, Cleveland, Ohio. Filed June 24, 1942. Serial No. 453,837. PUBLISHED AUGUST 11, 1942. Class 23.

398,446. TOOTH BRUSHES. ORVILLE E. MCKIM, doing business as McKim Dental Service, Port Chester, N. Y. Filed June 25, 1942. Serial No. 453,874. PUBLISHED AUGUST 18, 1942. Class 29.

398,447. LIQUID USED IN THE EMBALMING TRADE AS A MOUTH CLOSURE. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed July 3, 1942. Serial No. 454,034. PUBLISHED AUGUST 18, 1942. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

398,448. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS H. GUYON, Ogden, Utah. Filed Sept. 30, 1940. Serial No. 436,509.



FOR PARTICULARLY COOKED FOODS—NAMELY, STEAKS, CHOPS, ROASTS, CHOPPED BEEF, PORK, AND VEAL, CHICKENS, DUCKS, GEESE, SQUABS, AND TURKEYS, FISH, EGGS, AND OYSTERS.
Claims use since May 1, 1940.

398,449. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE AMERICAN DISPLAY COMPANY, Dayton, Ohio. Filed Feb. 4, 1941. Serial No. 440,277.

Dunk's

FOR GAME EQUIPMENT AND SPORTING GOODS—NAMELY, CANOE AND GAME PADDLES, FISHING RODS, FISHING REELS, FISHING BAITS, FISHING BAIT BOXES, FISH STRINGERS, PRACTICE CASTING PLUGS, AND BAIT CASTING TARGETS.
Claims use since Nov. 26, 1929.

398,450. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE OHIO SEAMLESS TUBE CO., Shelby, Ohio. Filed July 19, 1941. Serial No. 445,501.

OHIO

FOR SEAMLESS STEEL TUBING.
Claims use since July 22, 1908.

398,451. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSENBERG BROS. & CO., San Francisco, Calif. Filed Aug. 4, 1941. Serial No. 445,960.

FAKTRY-FRESH

FOR DRIED FRUITS.
Claims use since Apr. 3, 1941.

398,452. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HARRY A. SALLOP, New York, N. Y. Filed Aug. 27, 1941. Serial No. 446,598.

SILKOVERS

FOR AUTOMOBILE SEAT COVERS.
Claims use since May 1, 1941.

398,453. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM SOUTHERN, doing business as Southern's Pet Stock Farm, Clifton Hill, Mo. Filed Sept. 15, 1941. Serial No. 447,049.



FOR FOODS FOR BIRDS.
Claims use since Aug. 1, 1941.

398,454. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STEGER-SEVEN CO., Deerfield, Mich. Filed Sept. 20, 1941. Serial No. 447,216.

STEGER'S
★ ★ ★ ★ ★ ★ ★
SEVEN STAR

FOR PREPARATION FOR INTERNAL USE AS A PALLIATIVE IN BRONCHIAL ASTHMA AND ITS ATTENDING SYMPTOMS.
Claims use since Sept. 6, 1941.

398,455. (CLASS 38. PRINTS AND PUBLICATIONS.) SUTTON PUBLISHING COMPANY, INC., New York, N. Y. Filed Sept. 24, 1941. Serial No. 447,296.

Electrical Equipment

FOR PERIODICALS PUBLISHED FROM TIME TO TIME, CARRYING SUBJECT MATTER RELATING TO ELECTRICAL EQUIPMENT.
Claims use since Aug. 4, 1941.

398,456. (CLASS 2. RECEPTACLES.) UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Sept. 26, 1941. Serial No. 447,351.



FOR PAPER BAGS.
Claims use since Sept. 17, 1941.

398,457. (CLASS 33. GLASSWARE.) THE LIBERTY GLASS COMPANY, Sapulpa, Okla. Filed Oct. 13, 1941. Serial No. 447,744.

SUPER-TEST

FOR GLASS BOTTLES.
Claims use since Sept. 8, 1941.

398,458. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) ENGINEERING SPECIALTIES COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 8, 1941. Serial No. 448,472.

VORTEX

FOR NON-ELECTRIC CENTRIFUGAL ACTION DUST AND SPARK ARRESTERS AND COMBINATION NON-ELECTRIC CENTRIFUGAL ACTION DUST AND SPARK ARRESTERS AND SILENCERS AND PARTS THEREFOR.
Claims use since January, 1931.

398,459. (CLASS 12. CONSTRUCTION MATERIALS.) THE COLUMBIA MILLS, INC., New York, N. Y. Filed Jan. 9, 1942. Serial No. 450,087.

Columbia

FOR ROLLING AND STATIONARY WINDOW SCREENS.
Claims use since July 1, 1941.

398,460. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GIBSON ELECTRIC REFRIGERATOR CORPORATION, Greenville, Mich. Filed Mar. 7, 1942. Serial No. 451,466.

GIBSON

FOR ELECTRIC COOKING STOVES.
Claims use since Jan. 1, 1939.

398,461. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) BEAR CREEK VINEYARD ASSOCIATION, Lodi, Calif. Filed Apr. 11, 1942. Serial No. 452,281.



FOR BRANDY.
Claims use since May 25, 1936.

398,462. (CLASS 39. CLOTHING.) IRVING J. HILLMAN, Newark, N. J. Filed May 18, 1942. Serial No. 453,081.



FOR LEATHER AND FABRIC SHOES.
Claims use since November, 1940.

398,463. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAWER-GULDEN-ANNIS, INC., Brooklyn, N. Y. Filed July 10, 1942. Serial No. 454,144.

MAWER'S

FOR OLIVES, OLIVE OIL, OLIVE BUTTER, PEANUT BUTTER, PREPARED CHERRIES, MINCED AND CRUSHED CHERRIES, CAPERS, CANNED FISH, GLACÉ AND DRAINED FRUITS, AND HOLLAND ONIONS.
Claims use since May 24, 1935.

398,464. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KRAUS BROS. & CO., INC., New York, N. Y. Filed July 27, 1942. Serial No. 454,538.

LAUTIER

FOR WHISKIES, GINS, AND ALCOHOLIC CORDIALS.
Claims use since April, 1941.

398,465. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) TRABERT & HOEFFER INC., New York, N. Y. Filed July 21, 1942. Serial No. 454,385.

The Mogok.

FOR RUBIES AND PRECIOUS STONES.
Claims use since Feb. 18, 1941.

398,466. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAULINE BARBAGLIA, doing business as Barbaglia System, Detroit, Mich. Filed July 31, 1942. Serial No. 454,626.

BARBAGLIA

FOR PLASTERS AND THE INGREDIENTS FOR MAKING PLASTERS USED IN THE TREATMENT OF SCIATICA AND RHEUMATISM.
Claims use since Dec. 20, 1940.

398,467. (CLASS 47. WINES.) BARTOLOMEO PIO, Philadelphia, Pa. Filed Aug. 14, 1942. Serial No. 454,919.



FOR WINES.
Claims use since May 8, 1940.

398,468. (CLASS 12. CONSTRUCTION MATERIALS.) BASIC REFRACTORIES, INC., Cleveland, Ohio. Filed Aug. 22, 1942. Serial No. 455,043.

HEARTH PATCH

FOR REFRACTORY PREPARATIONS FOR FURNACE LININGS.
Claims use since July 23, 1941.

TRADE-MARK REGISTRATIONS RENEWED

22,546. **CASHMERE BOUQUET.** SOAP, PERFUMERY, AND TOILET PREPARATIONS. Registered February 28, 1893. COLGATE & CO., New York, N. Y. Re-renewed February 28, 1943, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee by mesne assignments.

22,547. **CASHMERE.** SOAP, PERFUMERY, AND TOILET PREPARATIONS. Registered February 28, 1893. COLGATE & CO., New York, N. Y. Re-renewed February 28, 1943, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee by mesne assignments.

22,548. **CAPRICE.** SOAP, PERFUMERY, AND TOILET PREPARATIONS. Registered February 28, 1893. COLGATE & CO., New York, N. Y. Re-renewed February 28, 1943, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee by mesne assignments.

155,610. **REPRESENTATION OF NORTH AND SOUTH AMERICA.** MEN'S SUITS AND OVERCOATS. Registered June 6, 1922. BARRON, ANDERSON CO. Renewed June 6, 1942, to Barron, Anderson Company, Boston, Mass., a corporation of Massachusetts, successor.

159,271. **SAMSONCHINA.** CERTAIN FIXTURES OF PORCELAIN FOR BATHROOMS. Registered September 26, 1922. STEPHEN D. BAKER, doing business as S. D. Baker Manufacturing Company, New York, N. Y. Renewed September 26, 1942, to Stephen D. Baker, doing business as S. D. Baker Manufacturing Co., Trenton, N. J., and New York, N. Y., assignee by mesne assignments.

159,430. **"OLD HOMESTEAD" AND DRAWING.** CONCENTRATED LIQUID MALT EXTRACTS. Registered September 26, 1922. MALT-DIASTASE COMPANY, New York, N. Y. Renewed September 26, 1942, to Malt-Diastase Company, Brooklyn, N. Y., a corporation of New York.

159,549. **SWEET'S.** CANDY. Registered September 26, 1922. SWEET CANDY CO., Salt Lake City, Utah, a corporation of Utah. Renewed September 26, 1942.

159,744. **INSULBOND.** CALCINED PULVERIZED MATERIAL COMPOSED PRINCIPALLY OF DIATOMACEOUS EARTH USED AS A CEMENT OR MORTAR. Registered October 3, 1922. QUIGLEY FURNACE SPECIALTIES CO., INCORPORATED. Renewed October 3, 1942, to Quigley Company, Inc., New York, N. Y., a corporation of New York, by change of name.

160,183. **"THE FLINTKOTE COMPANY" AND DRAWING.** ROOFING MATERIAL AND FLOORING MATERIAL COMPRISING FIBROUS SHEET MATERIAL SATURATED WITH COMPOUNDS. Registered October 17, 1922. THE FLINTKOTE COMPANY, Boston, Mass. Renewed October 17, 1942, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts.

160,184. **K-B.** SHEATHING AND BUILDING PAPERS. Registered October 17, 1922. THE FLINTKOTE COMPANY, Boston, Mass. Renewed October 17, 1942, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts.

160,372. **"RONSON REDSKIN RELOAD" AND DRAWING.** PIECES OF SPARKING METAL. Registered October 24, 1922. ART METAL WORKS, INC., Newark, N. J., a corporation of New Jersey. Renewed October 24, 1942.

160,532. **"RAPWELL" AND DRAWING.** WRAPPING PAPER. Registered October 24, 1922. CHARLES F. HUBBS & COMPANY, New York, N. Y., a corporation of New York. Renewed October 24, 1942.

160,603. **JUNIOR.** BRAKES FOR CYCLES, CYCLE HUBS, AND COASTER BRAKES. Registered October 24, 1922. THE NEW DEPARTURE MANUFACTURING COMPANY, Bristol, Conn. Renewed October 24, 1942, to General Motors Corporation, Detroit, Mich., a corporation of Delaware, assignee.

161,087. **B. V. D.** UNDERWEAR OF WOVEN AND KNITTED FABRICS. Registered November 7, 1922. THE B. V. D. COMPANY. Renewed November 7, 1942, to The B. V. D. Corporation, Baltimore, Md., a corporation of Delaware, by change of name.

161,251. **PACIFIC.** CERTAIN NAMED GLAZED STONEWARE. Registered November 7, 1922. PACIFIC CLAY PRODUCTS CO. Renewed November 7, 1942, to Pacific Clay Products, Los Angeles, Calif., a corporation of California, assignee.

161,305. **MARCOL.** WHITE MINERAL OIL PRIMARILY USED IN THE PREPARATION OF COLD CREAMS. Registered November 7, 1922. STANDARD OIL COMPANY (INCORPORATED IN NEW JERSEY), Bayonne, N. J., and New York, N. Y. Renewed November 7, 1942, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee.

163,009. **"ARMORTOP" AND DRAWING.** LIQUID HARDENER FOR CEMENT MASONRY. Registered January 2, 1923. ANTI-HYDRO WATERPROOFING COMPANY, Newark, N. J., a corporation of New Jersey. Renewed January 2, 1943.

163,713. **TRUE CONFESSIONS.** A MONTHLY PUBLICATION. Registered January 23, 1923. WILFORD H. FAWCETT, Minneapolis, Minn. Renewed January 23, 1943, to Fawcett Publications, Inc., Greenwich, Conn., a corporation of Delaware, assignee.

163,897. **"GOOD LUCK" AND DRAWING.** GLASS FRUIT JARS. Registered February 6, 1923. HAZEL-ATLAS GLASS COMPANY, Wheeling, W. Va., a corporation of West Virginia. Renewed February 6, 1943.

163,929. **GLOVER'S.** MANGE MEDICINE. Registered February 6, 1923. H. CLAY GLOVER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed February 6, 1943.

164,034. **TALES OF HOFFMAN.** MONTHLY PUBLICATION. Registered February 6, 1923. UNITED STATES HOFFMAN MACHINERY CORPORATION, New York, N. Y., a corporation of Delaware. Renewed February 6, 1943.

164,131. **FLORIENT.** SOAPS. Registered February 13, 1923. COLGATE & CO., Jersey City, N. J., and New York, N. Y. Renewed February 13, 1943, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

164,216. **BIG SMITH.** OVERALLS. Registered February 13, 1923. SMITH BROS. MANUFACTURING COMPANY, Carthage, Mo., a corporation of Missouri. Renewed February 13, 1943.

164,329. **MIKADO.** CERTAIN NAMED BRUSHES. Registered February 20, 1923. PITTSBURGH PLATE GLASS CO., RENNOUS-KLEINLE DIVISION, Baltimore, Md. Renewed February 20, 1943, to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania.

164,387. **SINGER.** ELECTRIC FANS. Registered February 20, 1923. THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J., and New York, N. Y. Renewed February 20, 1943, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey.

164,404. **REPRESENTATION OF A RED, WHITE AND BLUE TAPE.** ROPE. Registered February 20, 1923. COLUMBIAN ROPE COMPANY, Auburn, N. Y., a corporation of New York. Renewed February 20, 1943.

164,427. **BEATSWOOD.** CORRUGATED PAPER BOARD, CONTAINERS, CARTONS, AND PACKING BOXES MADE OF CORRUGATED PAPER BOARD. Registered February 20, 1923. CORRUGATED CONTAINER COMPANY. Renewed February 20, 1943, to Light Corrugated Box Company, Philadelphia, Pa., a corporation of Pennsylvania, by change of name.

164,489. **REPRESENTATION OF A BASKET OF FLOWERS, ETC.** TALCUM POWDER AND FACE POWDER. Registered February 20, 1923. HOUBIGANT, INC., New York, N. Y., a corporation of New York. Renewed February 20, 1943.

164,728. **"BULLS EYE Z" AND DRAWING.** ACETONES, DENATURED ALCOHOLS, ANILINE DYES, BENZOLE, AND ETCHING POWDER. Registered February 27, 1923. WM. ZINSSER & CO. INC., New York, N. Y., a corporation of New York. Renewed February 27, 1943.

164,776. **DRESSWELL.** DRESS AND NEGLIGEE SHIRTS. Registered February 27, 1923. DRESSWELL SHIRTS INC. Renewed February 27, 1943, to The Holbrook Corporation, New York, N. Y., a corporation of Connecticut, assignee.

164,990. **DAILY.** FRESH CITRUS FRUIT. Registered February 27, 1923. BASTANCHURY RANCH COMPANY, Fullerton, Calif. Renewed February 27, 1943, to Withers Brothers, Placentia, Calif., a copartnership, assignee by mesne assignments.

165,158. **PRESTO.** AUTOMOBILE BODY BRACE AND RUNNING-BOARD SUPPORT AND VISORS FOR AUTOMOBILES. Registered March 6, 1923. METAL SPECIALTIES MANUFACTURING CO., Chicago, Ill., a corporation of Illinois. Renewed March 6, 1943.

165,169. **"FIRESTONE" AND DRAWING.** TIRES, INNER TUBES, AND ACCESSORIES. Registered March 6, 1923. THE FIRESTONE TIRE AND RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed March 6, 1943.

165,182. **DAY-BRITE.** ELECTRIC LIGHTING FIXTURES FOR SHOW CASES. Registered March 6, 1923. SIEMERS-MARSHALL ELECTRIC CO. Renewed March 6, 1943, to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri, assignee.

165,200. **"ART FIBRE" AND DRAWING.** FIBER CORD USED IN MAKING WICKER OR FIBER FURNITURE. Registered March 6, 1923. GRAND RAPIDS FIBRE CORD COMPANY, Grand Rapids, Mich., a corporation of Michigan. Renewed March 6, 1943.

165,426. **I. R. G. A.** DYESTUFFS. Registered March 13, 1923. GEIGY COMPANY, INC., New York, N. Y., a corporation of New York. Renewed March 13, 1943.

165,445. **HYPOWA.** BOLT CLIPPERS, WIRE CUTTERS, PLIERS, AND SHEARS. Registered March 13, 1923. HENRY K. PORTER. Renewed March 13, 1943, to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts, assignee.

165,458. **"ARROW" AND DRAWING.** HANDKERCHIEFS. Registered March 13, 1923. CLUETT, PEABODY & CO., INC., Troy, N. Y., a corporation of New York. Renewed March 13, 1943.

165,510. **"REGAL" AND DRAWING.** TYPEWRITING MACHINES AND PARTS THEREOF. Registered March 13, 1923. REGAL TYPEWRITER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed March 13, 1943.

165,554. **BLACK AND WHITE.** HOOF-ROT-REMEDY. Registered March 13, 1923. ARTHUR A. BROCKETT, Little Falls, N. Y. Renewed March 13, 1943.

165,558. **GOLDEN GLOW.** SELECTED SWEET POTATOES IN THEIR NATURAL STATE. Registered March 13, 1923. JOSEPH P. BROWNLEE, doing business as Southern Sweet Potato Exchange, Chicago, Ill. Renewed March 13, 1943, to J. F. Dezauche, Opelousas, La., assignee by mesne assignments.

165,581. **REPRESENTATION OF A KEY.** A MEDICINE FOR LUNG AND LIVER AILMENTS. Registered March 13, 1923. GERHARD LOEBSACK, Cleveland, Ohio. Renewed March 13, 1943.

165,698. **"KNICKERBOCKER" AND DRAWING.** WOOLEN YARN. Registered March 20, 1923. S. BLECHMAN & SONS, INC., New York, N. Y., a corporation of New York. Renewed March 20, 1943.

165,747. **COLUMBIA.** TOY TWO AND THREE WHEEL CYCLES AND TWO AND THREE WHEEL VEHICLE COASTERS. Registered March 20, 1923. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass., a corporation of Massachusetts. Renewed March 20, 1943.

165,749. **DUCKWORTH.** DRIVING CHAINS USED ON BICYCLES, MOTOR CYCLES, AND MACHINERY. Registered March 20, 1923. DUCKWORTH CHAIN & MANUFACTURING COMPANY, Springfield, Mass. Renewed March 20, 1943, to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin, assignee by mesne assignments.

165,760. **THE LUCKY DOG KIND.** CERTAIN SPORTING GOODS. Registered March 20, 1923. THE DRAPER-MAYNARD COMPANY, Plymouth, N. H. Renewed March 20, 1943, to Sport Products, Inc., Cincinnati, Ohio, a corporation of Ohio, assignee.

165,763. **"NANCY HANKS" AND DRAWING.** CHOCOLATES AND CHOCOLATE-COATED CANDIES. Registered March 20, 1923. DONAHOE'S INC., Pittsburgh, Pa., a corporation of Delaware. Renewed March 20, 1943.

165,802. **"TRI-PURE" AND DRAWING.** GASOLINE, LUBRICATING OIL, AND LUBRICATING GREASE. Registered March 20, 1923. H. P. SEARS CYCLE CO., OIL DEPARTMENT. Renewed March 20, 1943, to Sears Oil Co., Inc., Rome, N. Y., a corporation of New York, assignee.

165,811. **"B. PAUL'S" AND DRAWING.** HAIR DYE. Registered March 20, 1923. PAUL BALME, doing business as B. Paul. Renewed March 20, 1943, to B. Paul, Inc., New York, N. Y., a corporation of New York, successor.

165,824. **"MESSENGER BOYS" AND DRAWING.** CHOCOLATES. Registered March 20, 1923. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed March 20, 1943.

165,832. **SODRI.** TOILET PAPER, PAPER NAPKINS, PAPER TOWELS, AND PAPER TABLECLOTHS. Registered March 20, 1923. FORT HOWARD PAPER COMPANY, Green Bay, Wis., a corporation of Wisconsin. Renewed March 20, 1943.

165,873. **ARATEX.** MEN'S DRESS AND NEGLIGEE COLLARS. Registered March 20, 1923. CLUETT, PEABODY & CO., INC., Troy, N. Y., a corporation of New York. Renewed March 20, 1943.

REISSUES

OCTOBER 27, 1942

22,209
FEEDING MECHANISM FOR SHAKER OR JIGGING CONVEYERS

Ernst R. Bergmann, Evergreen Park, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original No. 2,275,245, dated March 3, 1942, Serial No. 300,105, October 19, 1939. Application for reissue July 15. 1942, Serial No. 451,049

16 Claims. (Cl. 198—220)



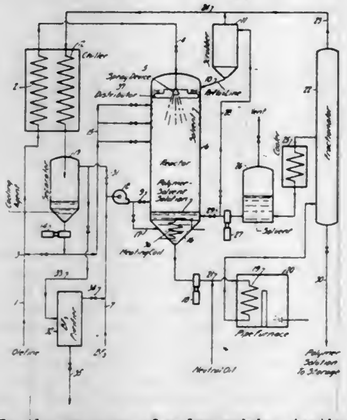
1. In a shaker conveyer, two trough sections, one of which is extensible with respect to the other, a carrier member, gripping means mounted on said carrier member, means pivotally connected between one trough section and one end of said carrier member, for exerting a positive force on said carrier member to feed said other trough section in one direction, means pivotally connected between said trough section and an opposite end of said carrier member for exerting a force on said carrier member to feed said trough section in an opposite direction when said first mentioned means is rendered inoperative, and individual control means for said engaging means adapted to render either one of said engaging means inoperative.

22,210
POLYMERIZATION OF OLEFINES

Martin de Simó, Piedmont, and Frederick B. Hilmer, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Original No. 2,085,524, dated June 29, 1937, Serial No. 31,075, July 12, 1935. Application for reissue January 21, 1941, Serial No. 375,338

7 Claims. (Cl. 260—94)



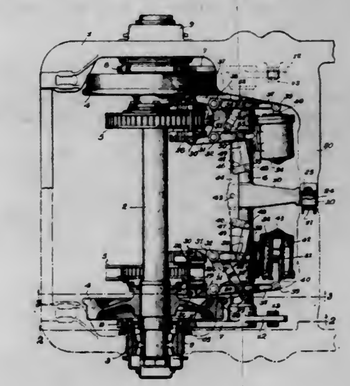
1. In the process of polymerizing tertiary base olefines of less than 9 carbon atoms by treating same with an active fluoride to produce rubber-like polymers, the improvement comprising forming a liquid solution of the olefines in an inert lower-boiling liquid hydrocarbon solvent for the olefines, the solvent having a boiling temperature at the operating pressure of the polymerization zone which substantially corresponds to the desired treating temperature and is below the boiling temperature of the olefines, injecting the solution in a state of fine division into the reaction zone containing a gaseous catalyst of the group consisting of boron fluoride and hydrogen fluoride, to effect polymerization of the olefines, whereby heat is liberated and the liquid solvent is vaporized, and maintaining an excess of the liquid solvent in the solution entering the polymerization zone over the quantity of the solvent which is evaporated due to the heat of reaction.

22,211
BRAKE MECHANISM

Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

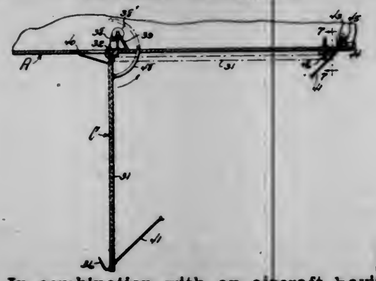
Original No. 2,236,898, dated April 1, 1941, Serial No. 270,750, April 29, 1939. Application for reissue January 31, 1942. Serial No. 429,098

26 Claims. (Cl. 188—153)



1. A brake mechanism comprising a wheel and axle, a brake ring connected therewith, brake shoes in cooperative relation with the opposite faces of the said ring, a brake yoke pivotally supported about the axis of the axle, means for preventing the yoke from turning about the said axis, and pressure-fluid actuated mechanism carried by the brake yoke, comprising two members movable in opposite directions, and connected one to each brake shoe, whereby fluid pressure will cause both brake shoes to engage the said brake ring, the said yoke having a tubular cross piece, the axis of the axle, and that of the cross piece being in the same plane, but the axis of the fluid-pressure actuated mechanism being located to one side of the said plane.

22,212
AERIAL MAIL EXCHANGE
Ralph I. Kelton, Watertown, Mass., assignor to All American Aviation, Inc., New Castle County, Delaware
Original No. 2,141,536, dated December 27, 1938, Serial No. 91,953, July 22, 1936. Application for reissue April 24, 1940, Serial No. 331,410
3 Claims. (Cl. 258—1)



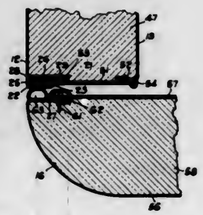
2. In combination with an aircraft having a fuselage, a pick-up device comprising a swinging arm having a longitudinal guideway therein, a plurality of slides fitting said guideway, a hook having a shank fixed to said slides and attaching means on said shank for affixing a cable thereto, a windlass interiorly of said fuselage for the winding and unwinding of the cable on and off the windlass, one end of the cable affixed to said windlass and said cable trained through said longitudinal guideway and affixed at its other end to the attaching means on the shank of said hook, and an adjusting cable connected with said arm and operated from within the fuselage for the unfolding and folding of said arm relatively to said fuselage.

22,213
PROCESS FOR THE RECOVERY OF GLYCEROL FROM STILL RESIDUES FROM FERMENTATION PROCESSES
Robert Alan Walmesley, Howwood, Scotland, assignor to Imperial Chemical Industries, Limited, a corporation of Great Britain
Original No. 2,235,056, dated March 18, 1941, Serial No. 259,807. Application for reissue February 21, 1942, Serial No. 431,898. In Great Britain March 4, 1938
7 Claims. (Cl. 260—637)

1. A process for the recovery of glycerol from still residues which comprises the step of extracting the glycerol-containing liquor with a solvent selected from the group consisting of aniline, the toluidines, and quinoline, and recovering the dissolved glycerol by treating with cold water.

6. The process for the recovery of glycerol from still residues, which comprises concentrating glycerol-containing liquor derived from said residues to a water content below 30% and extracting the concentrated liquor wiah a cold water-immiscible primary aromatic amine.

22,214
REFRIGERATION APPARATUS
Orland H. Yoxsimer, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original No. 2,213,155, dated August 27, 1940, Serial No. 250,530, January 12, 1939. Application for reissue May 29, 1941, Serial No. 395,829
12 Claims. (Cl. 220—9)

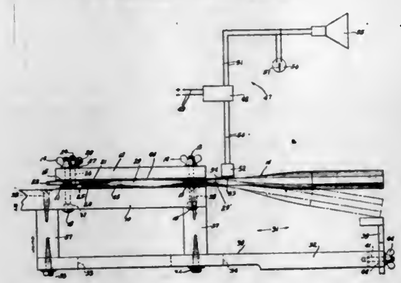


12. In a refrigerator cabinet having vertical front and side walls, the combination of inner and outer shells with heat insulation therebetween, said inner shell defining a food-storage compartment having an access opening in the front thereof, said outer shell having a concentric opening in the front thereof, a flange on said inner shell extending toward the outer shell peripherally of the access opening, a flange on the outer shell extending towards said inner shell peripherally of said concentric opening and substantially parallel to the plane of the front wall of the cabinet, a breaker strip extending between said flanges and embodying an exposed faced portion and edged portions, one of said edge portions being entirely disposed at the rear of the flange on the outer shell and the other of said edge portions being disposed entirely in front of the flange on said inner shell, means for securing the respective edges of the breaker strip to the inner and outer shells, a substantial portion of the breaker strip being disposed substantially parallel to the plane of the front wall of the cabinet, the exposed portions of the flange on the outer shell being relatively narrow compared to the exposed surfaces of said breaker strip, a door for closing the access opening and a gasket disposed between said door and the outer surface of said flange on the outer shell when the door is closed, said gasket being substantially coextensive in cross section with the entire exposed surface of said flange on the outer shell and providing the sole sealing means between said door and the remainder of said cabinet.

PATENTS

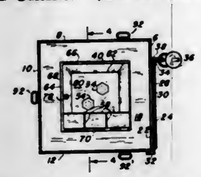
GRANTED OCTOBER 27, 1942

2,299,722
METHOD AND APPARATUS FOR STRAINING, BENDING, AND VIBRATION-DETECTING TESTS
Lloyd E. Burns, Springfield, and Victor T. Fahringer, Longmeadow, Mass., assignors to A. G. Spalding & Bros. Inc., New York, N. Y., a corporation of Delaware
Application August 7, 1939, Serial No. 288,738
8 Claims. (Cl. 73—51)



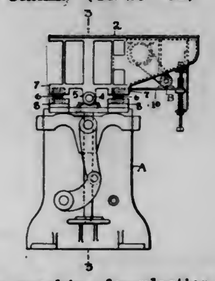
3. In a testing device for the purpose of analyzing the vibrations set up in bending an article, the combination of a base including a socket adapted to receive only a portion of an article to be tested; a stop device adapted to limit the movement of that portion of the article not within the socket when making a test by moving said portion not within the socket toward said stop device; an amplifier; a loudspeaker apparatus, an electrical pickup device adapted to be positioned on the article to be tested at substantially the point of flexure; and electrical means connecting said amplifier, loud speaker and pickup device.

2,299,723
RODENT POISON FEEDER
Allen R. Allbright, Oakland, Calif.
Application April 16, 1941, Serial No. 388,806
1 Claim. (Cl. 43—131)



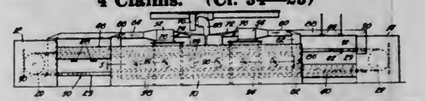
In a rodent poisoning device, a housing member having walls and bottom and top adapted to prevent access thereto except by a door and suitably sized rodent access openings, a doorway for said housing and a door for said doorway; means for locking said door to close said doorway against unauthorized entry; a tray adapted to contain poison and adapted to be inserted into said housing through said doorway; anchor fittings adapted for screw fastening to a wooden floor and having threaded portions for projecting upward from the floor, holes through the bottoms of the housing member and the tray adapted to receive the projecting portions of the anchor fittings, and means for engaging the threaded projecting portions of the fittings, disposed within the housing, for securing the housing and the tray to such wooden floor, whereby, after the housing door is locked neither the housing nor the tray can be removed from the floor.

2,299,724
MOLDING MACHINE FOR PLASTIC MATERIAL
James W. Appley, St. Petersburg, Fla.
Application June 13, 1941, Serial No. 397,943
1 Claim. (Cl. 25—41)



In a molding machine for plastics, a core box, a base under said core box, pivotal means connecting the core box to said base for rocking motion thereon, cushion springs between said core box and the base to resist said rocking motion of the box and coacting with the pivotal means in normally supporting said core box horizontally, flexible bars fixed to and extending from the core box, vibrating means connected to said bars whereby vibrations thereof will be delivered to the core box by said bars, springs arranged above and below said bars and engaging therewith at their outer ends, and a hanger adjustably connected to the latter named springs above and below the bars and carried by the core box to adjustably and yieldably support the outer ends of the said bars.

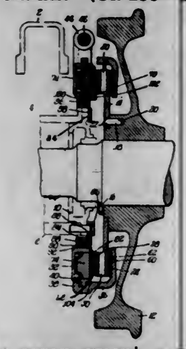
2,299,725
METHOD FOR DRYING LEATHER
George M. Argabrite, deceased, late of Chicago, Ill., by Margaret M. Walker, formerly Margaret M. Argabrite, executrix, Cheyenne, Wyo., and Frederick Sturgis Stout and John Edgar Leach, Camden, N. J.; said Margaret M. Walker, assignor to Wesley H. Argabrite, Des Plaines, Ill.
Original application September 3, 1938, Serial No. 228,422, now Patent No. 2,197,776, dated April 23, 1940. Divided and this application April 14, 1939, Serial No. 267,926
4 Claims. (Cl. 34—23)



1. The method of drying leather which comprises: affixing a wet piece of leather to one side of a support; subjecting the support and the leather on it to drying action until the leather is approximately half dried; affixing a second wet

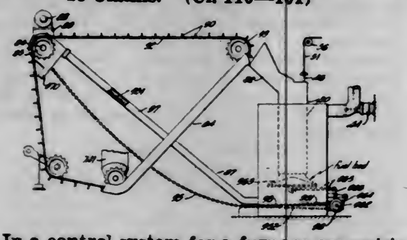
piece of leather to the opposite side of said support and drying the support and the leather on it until said first piece is completely dried and said second piece is approximately half dried; removing the completely dried piece of leather and replacing it with a wet piece and continuing the process through an indefinite number of cycles.

2,299,726
BRAKE ARRANGEMENT
Walter H. Baselt and Wesley A. Heisten, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 19, 1940, Serial No. 370,780
30 Claims. (Cl. 188—153)



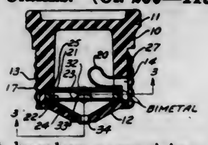
1. In a brake arrangement, a wheel and axle having a journal end, a frame member supported thereon, spaced resilient pads on said frame member supporting a ring cylinder therearound, brakes comprising a rotor mounted on said wheel to rotate therewith, stators supported from said cylinder on opposite sides of said rotor, a piston in said cylinder operable to actuate said brakes, one of said stators being laterally movable with said piston, and the other of said stators being laterally movable with said cylinder in the reverse direction upon actuation of said brakes, said resilient pads serving as release means to restore said cylinder to normal position after actuation of said brakes, and other release means mounted about the outer periphery of said cylinder to restore said piston to normal position.

2,299,727
FURNACE AND ASSOCIATED PARTS
Warren S. Blauvelt and Nolan A. Curry, Troy, N. Y., assignors to Blauvelt Associates, Inc., Troy, N. Y., a corporation of New York
Application February 1, 1940, Serial No. 316,808
18 Claims. (Cl. 110—101)



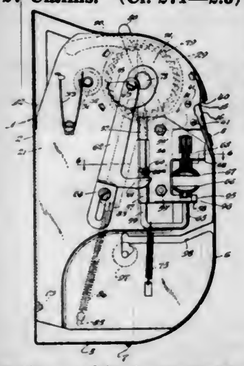
1. In a control system for a furnace comprising a grate adapted to support a bed of fuel, electrically operated means for producing a draft through said bed of fuel, means for supplying fuel to the bed of fuel, means for controlling the draft-producing means, means for preventing an operation of said fuel-supplying means while said draft-producing means is in operation, means for preventing an operation of said draft-producing means while said fuel-supplying means is in operation, and means operable in response to subsidence of the fuel in said furnace for operating said two last mentioned means.

2,299,728
ELECTRIC CIRCUIT BREAKER
Herbert E. Brannon, Detroit, Mich.
Application February 15, 1940, Serial No. 319,009
3 Claims. (Cl. 200—113)



1. A circuit breaker comprising an insulating support, two spaced terminals on said support, a pair of laminated temperature responsive elements mounted on said support, one of said elements being an electrical resistor composed of three layers of metal, two of said layers having the same coefficient of expansion and one of said last mentioned layers having a greater resistance than the other, each of said elements having a contact thereon normally touching each other and adapted to separate upon a predetermined increase in the temperature of said resistor element, a connection between one of said terminals and said resistor element at a point remote from the contact thereon and a connection between the other element and the other terminal.

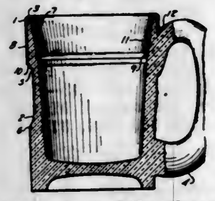
2,299,729
DISPENSING CABINET AND STOP MECHANISM THEREFOR
Rudolph G. Birr, Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application February 3, 1941, Serial No. 377,199
27 Claims. (Cl. 271—2.3)



1. A dispensing cabinet comprising movable means, mounted on a plate, a time-stop mechanism controlled by and controlling said means, including a first stop movable with said first mentioned means and adapted to engage a second stop, a second plate secured to the first mentioned plate and having guides in which the second stop is movable into and out of the path of the first stop, a timer having two members, a first carried by the second stop and a second carried by the second plate, said members adapted to be brought together when and remain together while the

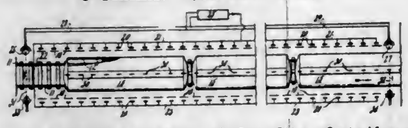
second stop is in stopping relation with the first stop, and means operable by the first mentioned movable means to move the second stop to stop position and thereafter allow independent motion of the same away from stop position.

2,299,730
VESSEL ATTACHMENT
Ira I. Bornstein, Kansas City, Mo.
Application November 23, 1938, Serial No. 241,980
4 Claims. (Cl. 65—13)



4. In an attachment of the character described arranged to be mounted on a drinking vessel having a rim, a metal shield engageable over said rim having depending flanges of thin metal engaged with the inner and outer surfaces of said vessel, a gasket interposed between a wall of said vessel and the inner flange of the shield for preventing seepage of liquid contained in the vessel between said rim thereof and the shield, the lower edge of the inner flange being turned inwardly and downwardly substantially into engagement with the inner surface of said rim to retain said gasket in place, the lower edge of the outer flange being turned inwardly and downwardly substantially into engagement with the outer surface of the vessel below said rim.

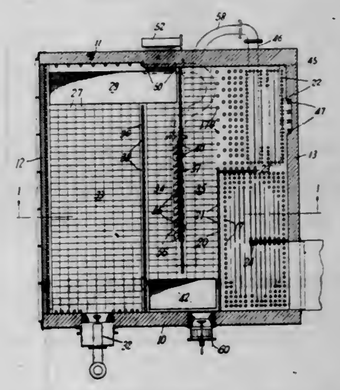
2,299,731
DISPLAY SYSTEM FOR MOVING VEHICLES
Morton Arendt, New York, N. Y.
Application April 16, 1940, Serial No. 329,887
9 Claims. (Cl. 177—346)



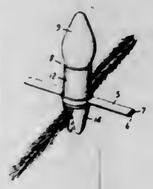
9. In a display system, a plurality of stationary linearly spaced display scenes, a plurality of discharge lamps for illuminating said display scenes, means including circuit arrangements connecting said lamps into successive banks of predetermined lengths that are shorter than the length of a train of cars passing said scenes, and electronic means individual to each of said banks and responsive to the passage of the cars for intermittently flashing the lamps of the respective banks while a car is passing a respective bank, said electronic means being individually coupled to the respective lamp banks for effecting the flashing thereof in short durations that are independent of the train speed.

2,299,732
STEAM GENERATOR
Ervin G. Bailey, Easton, Pa., and Charles U. Savoye, Hackensack, N. J., assignors to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application December 30, 1937, Serial No. 182,394
10 Claims. (Cl. 122—478)

1. A steam boiler comprising upper and lower horizontally arranged drums, a bank of vertically disposed tubes connecting said drums, a partition extending vertically along one side of said tube bank and separating the space containing said tube bank from a laterally adjoining chamber except at the rear end of said space, a plurality of vertical partitions extending longitudinally of said chamber and arranged to divide the same into an outer section and a plurality of serially connected inner sections connecting the rear end of said outer section to the rear end of said tube bank space, means for fluid cooling each of said chamber sections including heat absorbing tubes connected into the steam boiler circuit, fuel burner means at the front end of said outer section for burning fuel in suspension, and auxiliary fuel burner means arranged to discharge fuel directly into one of said inner sections in the same direction as the heating gas flow therein from said outer section.



2,299,733
ELECTRICAL CONNECTOR
George B. Benander, Oaklawn, R. I., assignor to The Monowatt Electric Corporation, Providence, R. I., a corporation of Connecticut
Application January 10, 1941, Serial No. 373,978
3 Claims. (Cl. 173—358)



1. An electric cord having a socket molded directly thereon comprising a shell and center contact to which the wires of the cord are connected, the cord extending transversely of the shell, and a casing molded thereon in which the shell, center contact and adjacent cord portions are embedded, said casing surrounding the shell on one side of the cord and having jaws projecting beyond the other side of the cord, said jaws having walls formed to provide an outwardly tapering wedge shape slot of substantial length, and transversely extending projections on the opposite surfaces of said walls, whereby the jaws are adapted to be forced over and to grip supports of varying diameters.

2,299,734
VARIABLE CAPACITY PUMP
John R. Betts, Kearney, Nebr.
Application December 18, 1939, Serial No. 309,817
20 Claims. (Cl. 103—41)



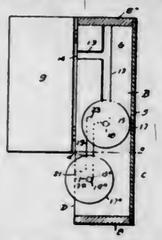
1. In combination, a cylindrical well casing having an annular shelf at its lower portion, a cylindrical screen member passing through the central aperture of said annular shelf and having an out-turned annular member seated on said annular shelf, and a valve at the upper extremity of said screen member, said valve having an expansible and contractible rim bearing against said well casing, the arrangement being such that said screen member and said valve may be removed from the well casing by first contracting said rim.

2,299,735
JOINT FOR GOLF CLUBS AND THE LIKE
John J. Birkhofer, Union, N. J., assignor to The Kroydon Co. Inc., Maplewood, N. J., a corporation of New Jersey
Application October 31, 1940, Serial No. 363,601
5 Claims. (Cl. 273—80)



1. In a device having two separate parts one of which is of metal and the other of which is of wood adapted to be joined together, means for so joining said parts comprising a socket on said metallic part, the wooden of said parts having a bore extending through its entire length, a metallic member secured in said bore against rotation and displacement, said member extending through the entire length of said bore and having a portion extending outwardly of said second part, and a metallic adapter having both an outward configuration complemental to that of the inside of said socket and a bore shaped and admeasured to receive and fit snugly entirely over said extending portion of said member, said adapter being permanently united by bonding material to said socket and to said extending portion with said socket and said adapter both abutting said wooden part.

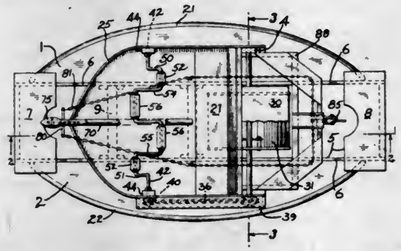
2,299,736
DISPENSING APPARATUS OF THE MAGAZINE TYPE
Tomaso Cavoto, San Francisco, Calif.
Application May 29, 1940, Serial No. 337,758
3 Claims. (Cl. 242—55.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An apparatus of the magazine type for storing material on and dispensing it from the roll and comprising a container formed with a magazine section, and a feed roll section arranged in superimposed and communicating relation, the feed roll section having a dispensing outlet, means for supporting a series of spool carried rolls of toilet paper, toweling or the like, in stacked formation within the magazine section, said means including vertically disposed, laterally spaced, parallel guides for engaging the opposite ends of the spools carrying said paper rolls and means at the lower extremities of the guides for supporting the spool of the bottom roll of said stack immediately above the feed roll section, said first mentioned means including guide means for directing the spools of the paper rolls into the upper ends of said vertical guides within the magazine section, means in connection with the roll supporting means whereby the bottom roll may be removed from the stack and discharged into the feed roll section, said last mentioned means including vertically disposed laterally spaced parallel discharge guides communicating at their upper ends through horizontally disposed guides with the lower ends of the vertical guides in the magazine section, said discharge guides being disposed in a plane horizontally off-set with respect to the guides in the magazine section, and means at the lower ends of said discharge guides for automatically seating the spool of the discharged roll in paper supplying position relative to the dispensing outlet.

2,299,737
FOOT-PROPELLED BOAT
Charles Haskell Clark, San Francisco, Calif.
Application July 6, 1940, Serial No. 344,241
3 Claims. (Cl. 115—23)

1. A boat comprising a pair of pontoons each having a substantially straight inner side, a body frame spacing said pontoons, a body mounted on said frame, a front and rear rudder journaled respectively to the front and rear of the boat; said rudders being interconnected to steer the boat in any desired direction, and a bumper assembly between said pontoons; said bumper assembly including a front platform, a rear platform, and a pair of spaced bumper bars con-



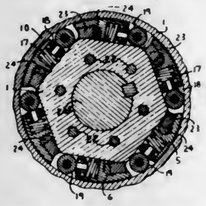
necting said front and rear platforms; said bumper bars being arranged in parallel relationship adjacent to the straight inner sides of said pontoons.

2,299,738
METHOD OF MAKING AND RE-CREATING RECORDS
Lee A. Collins, Louisville, Ky.
Application September 25, 1939, Serial No. 296,482
10 Claims. (Cl. 178—5.6)



1. The method of producing a program record which comprises, recording the program on a strip of material then duplicating the recording on the strip of material so that the program record shall include duplicate programs on the same strip and that each program shall run in opposite directions on the strip.

2,299,739
CLUTCH
Nicholas A. Colucci, Rochester, N. Y.; now by judicial change of name Nicholas A. Colson
Application July 18, 1939, Serial No. 285,102
13 Claims. (Cl. 192—47)



1. A clutch having a female member, a male member having its axis concentric with and being inside of the female member, rollers interposed between the male member and the female member, said rollers being normally held in clutching engagement, a key moving parallel to the axis of the clutch for pushing the rollers out of clutching engagement, said key being located near the periphery of the male member and having a cam thereon adapted to push the rollers out of clutching engagement, a guide in the male member in which said key moves and by which it is held to a straight line movement, a shaft on which said male member is mounted and to which it is keyed.

2,299,740
COPOLYMERIZATION PRODUCT OF VINYL HALIDES AND NUCLEARLY HALOGENATED ARYLALKANOL ESTERS OF ACRYLIC ACID
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application November 25, 1940, Serial No. 367,116
5 Claims. (Cl. 260—84)

1. A synthetic composition comprising the polymerization product of a polymerizable mixture comprising essentially vinyl halide and a nuclearly halogenated arylalkanol ester of acrylic acid.

2,299,741
PLASTICIZED VINYL COMPOUND
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application November 25, 1940, Serial No. 367,117
11 Claims. (Cl. 260—36)

1. A composition comprising (1) the product of polymerization of a mass comprising essentially a vinyl halide and (2) a polycarboxylic ester of a nuclearly halogenated, benzyl alcohol.

2,299,742
PROCESS FOR PREPARING PHOSGENE OXIME
Philip J. Ehman and Walter O. Walker, Marinette, Wis., assignors to Ansul Chemical Company, Marinette, Wis., a corporation of Wisconsin
No Drawing. Application November 24, 1941, Serial No. 420,309
20 Claims. (Cl. 260—566)

20. A process for preparing phosgene oxime which comprises reacting chlorine gas with the product obtained from the reaction of one part by weight of acetone on a mixture of about two parts by weight of concentrated nitric acid and one and one-half parts by weight of concentrated hydrochloric acid, distilling the resulting solution and extracting phosgene oxime from the distillate.

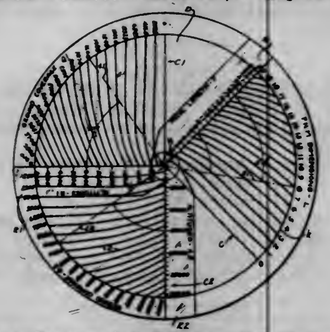
2,299,743
COMPOSITION OF MATTER
Albert K. Epstein, Chicago, Ill.
No Drawing. Application May 12, 1941, Serial No. 393,022
15 Claims. (Cl. 99—15)

1. A method of treating vegetable phosphatides, dissolved in an oleaginous material, to improve the characteristics of said phosphatides, which comprises subjecting the same to the action of a member selected from the group consisting of oil-soluble aliphatic peroxides and oil-soluble aliphatic per-acids.

2,299,744
DIRECT READING COMPUTER
Robert N. Feicht, Dayton, Ohio
Application June 19, 1941, Serial No. 398,843
4 Claims. (Cl. 235—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A computer comprising, in combination, two equiangular sectoral charts wherein the arc subtended between the first and last or boundary radii of each chart is divided into a plurality of

equal parts, and intermediate radii are drawn to the points of division, said points comprising arcuate scales, being numbered from 0 at the first boundary radius of each chart circumferentially, each radius being divided into that number of equal parts designated by the number at its point of intersection with its arc, and curves emanating from said points of intersection and extending through that point, counted from the center outward on each radius, which is represented by the number at the point of emanation of the curve from the arc, the two charts being secured together in angularly spaced relation with their vertices coincident, a duplex runner



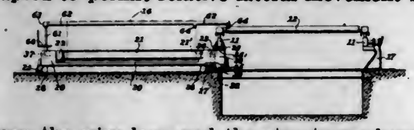
with angular spacing between the blades equal to that of the charts pivotally mounted at the vertices of the sectors, each blade having one edge alignable with the radii and having a graduated radial scale numbered from the vertex at the center outward, the graduation on the scales being such that when a number on one runner is placed on a selected curve on its chart, a number on the other runner will be at such curve on the other chart that the number from which the first said curve emanates is to the number from which the second said curve emanates, as the number of the first runner is to the number on the second runner.

2,299,745
PRESERVATION OF FODDER
Otto Hansen, Copenhagen, Denmark, assignor to Aktieselskabet Maelkeriet "Enigheden," Copenhagen, Denmark
No Drawing. Application October 9, 1939, Serial No. 298,723. In Denmark October 12, 1938
8 Claims. (Cl. 99—9)

1. Method of preserving green fodder comprising the steps of adding to the fodder lactic acid bacteria and a culture of living yeast cells in a liquid sugar-containing medium, and diastase to the fodder and depositing and covering the same to exclude the admission of air thereto and leaving the fodder thus deposited and covered to stand to develop lactic acid therein.

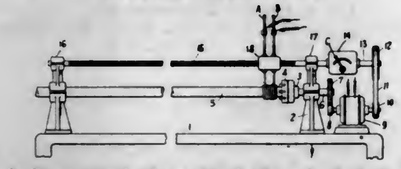
2,299,746
FOURDRINIER MACHINE
Harry H. Hart, Kennett Square, Pa., assignor to The Pusey and Jones Corporation, Wilmington, Del., a corporation of Delaware
Application October 12, 1939, Serial No. 299,195
21 Claims. (Cl. 92—44)

1. A Fourdrinier machine having an endless wire forming screen and a structure normally enclosed within the wire loop, including a breast roll, table section, and couch roll, comprising supports for the structure and means for applying the screen around said structure, said means including a unitary and longitudinally and transversely rigid wire support over which the entire loop is draped, said first named supports being adapted to permit relative lateral movement be-



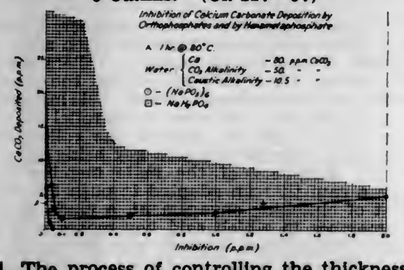
tween the wire loop and the structure whereby said unitary support and the loop draped thereon may be moved laterally to enclose the structure within the loop.

2,299,747
METHOD OF FORMING STRUCTURES WHOLLY OF FUSION DEPOSITED WELD METAL
Isaac Harter, New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Original application August 10, 1938, Serial No. 224,022. Divided and this application April 9, 1941, Serial No. 387,584
4 Claims. (Cl. 219—10)



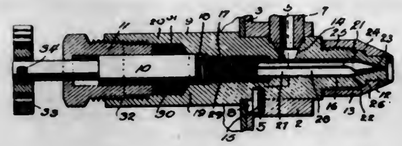
1. In a method particularly adapted for the manufacture of tubular products, utilizing a fusion welding process to deposit metal from a weldrod or wire upon a base to form a central element of the ultimate product, separating the deposited metal and the base, heating said central element in annular circumscribing zones progressing therealong, and immediately following up the progressive heating with similarly progressing electric fusion deposition upon said member of additional metal derived from a weldrod, said deposition taking place before the heated metal has cooled to any substantial degree and involving intersecting convolutions of weld metal deposited as a helix enclosing and integrally bonded to said element.

2,299,748
CONTROL OF CALCIUM CARBONATE DEPOSITION FOR CORROSION INHIBITION
George B. Hatch, Pittsburgh, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application May 13, 1939, Serial No. 273,524
9 Claims. (Cl. 117—97)



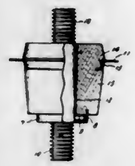
1. The process of controlling the thickness of deposits of alkaline earth metal carbonates on metal surfaces from water containing said carbonates, which comprises adding to the water regulated amounts of a water soluble phosphate of the group consisting of alkali orthophosphates and orthophosphoric acid, and varying the amount of said phosphate added to control formation on the surfaces of deposits of alkaline earth metal carbonate of desired thickness to protect the surfaces against corrosion.

2,299,749
SEPARABLE VALVE
Styles T. Howard, Jeffersonville, Ind.
Application August 9, 1941, Serial No. 406,202
5 Claims. (Cl. 137—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



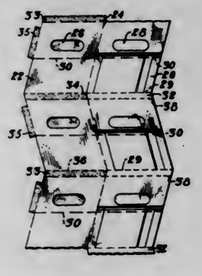
5. The combination with a supporting plate having a sleeve provided with a lateral opening and a removable supply tube extending through said opening, of a fluid control valve having a body, a lateral fuel inlet opening in communication with and providing a seat for the lower end of said supply tube, a removable jet arranged at the end of the valve body having a needle valve seat, removable means for securing the jet in place, and a needle valve having an elongated reduced portion to provide for the passage of fuel from said supply tube, and said needle valve seat adapted to control the flow of fuel through the jet.

2,299,750
CAST GLASS ARTICLE
Albert W. Hull and Roy W. Moore, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application November 22, 1939, Serial No. 305,666
10 Claims. (Cl. 174—152)



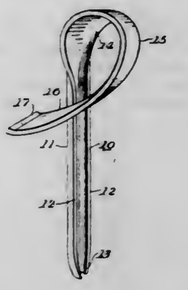
3. An electric bushing comprising a generally cylindrical glass body, a conductor extending through and projecting beyond the ends of said glass body, a collar of metal having a rim sealed into said glass body and extending therefrom, said collar having a portion bent transversely to the plane of the embedded portion and encircling the exterior of said glass body, and a metal shielding ring interposed between the encircling portion of said collar and said glass body, said ring being positioned under an adjacent zone of said collar to permit said zone to flex when said collar expands or contracts.

2,299,751
COMBINED RECORD FORM AND WINDOW ENVELOPE
Louis Huffman, Toronto, Ontario, Canada, assignor to Appleford Paper Products, Ltd., Hamilton, Ontario, Canada
Application June 26, 1939, Serial No. 281,110
8 Claims. (Cl. 229—69)



1. A duplex runner window envelope and record form comprising two longitudinal runners connected along a longitudinal fold line and foldable along said line into duplex form, each runner comprising a plurality of corresponding duplex sheets, each duplex sheet being foldable along a transverse line into duplex form, the duplex sheets of one runner each being adapted to serve when duplexed as an envelope and provided with a window opening, the duplex sheets of the other runner each being adapted to serve as a record form, said two runners provided with transverse fold lines extending continuously transversely across both runners between successive duplex sheets and along which said runners are foldable duplexed into zigzag form.

2,299,752
FASTENER
Kenneth L. Johnson, Sewickley, Pa.
Application March 8, 1940, Serial No. 322,944
5 Claims. (Cl. 85—10)



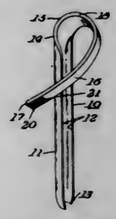
1. A resilient steel fastener of the character described formed of a strip of flat metal of substantially uniform cross-sectional shape and of materially greater width than thickness, and consisting of a head and an overhanging portion integral therewith and of the full original width of the strip, and a shank of longitudinal channel form and of materially less overall width but of the same cross-sectional area as the original strip adapted for driving into a support such as a railway tie.

2,299,753
WELDING JIG
George C. Johnson and Harry S. Boles, Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application April 19, 1940, Serial No. 330,564
7 Claims. (Cl. 219—17)



1. A welding jig for supporting a vehicle side in a vertical position while welding the vehicle side frame and sheathing together comprising a rigid back plate, means for supporting the back plate firmly in a vertical position, an intermediate plate secured to the face of the back plate, a copper plate mounted one face against the outer face of the intermediate plate, the intermediate and copper plates being substantially coextensive with the back plate, clamping means adjacent to the top and the bottom of the jig for holding the side sheathing and frame in place against the copper plate, and means at the bottom of the jig adjustable to the degree of camber in the side frame and adapted to hold the camber in the side frame while the frame is on the jig.

2,299,754
RESILIENT FASTENER
Kenneth L. Johnson, Hampton Township, Allegheny County, Pa.
Application May 16, 1940, Serial No. 335,521
4 Claims. (Cl. 85—10)



1. A resilient railway spike comprising a relatively stiff shank for driving into a tie, an integral resilient arm arranged to flex intermediate of its free extremity and the shank and having its outer portion normally depending at an acute angle with the shank, and incisive portions on the free end of the resilient arm arranged to engage and cut extended complementary grooves in the top surface of a rail flange.

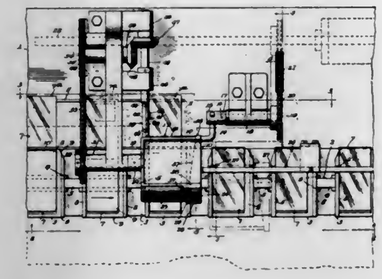
2,299,755
PRODUCT FROM PETROLEUM AND PROCESS FOR PRODUCING SAME
Samuel Edward Jolly, Prospect Park, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application October 11, 1939, Serial No. 298,980
10 Claims. (Cl. 252—51)

3. A lubricating oil to which has been added a minor percentage of a nitrile, derived from paraffin wax and halogenated, containing over 5% and less than 50% of the halogen.

2,299,756
QUATERNARY AMMONIUM DERIVATIVE
Morris Katzman and Benjamin R. Harris, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill.
No Drawing. Application September 30, 1939, Serial No. 297,279
16 Claims. (Cl. 260—295)

1. A process of preparing surface modifying agents which comprises reacting a member selected from the group consisting of primary and secondary alcohol amines with a member selected from the group consisting of polycarboxylic acids and esters thereof with alcohols, whereby amides are produced, then introducing into the molecule of said amides a quaternary ammonium-polycarboxylic acid radical and a lipophile group containing at least six carbon atoms.

2,299,757
FOLDING MECHANISM
Clarence J. Malhiot, Oak Park, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application June 29, 1940, Serial No. 343,115
19 Claims. (Cl. 93—2)



1. Folding mechanism for folding a wrapper such as a circular or the like about an article and comprising a support for supporting and advancing an article and wrapper past a folding position, the wrapper extending a predetermined distance beyond a predetermined supporting part of the support, a continuously rotating finger movable to raise the extending portion of the wrapper to a predetermined position, and a continuously rotating folder coordinated with the movement of said finger and engageable with the wrapper when in said predetermined raised position to fold the wrapper toward the article.

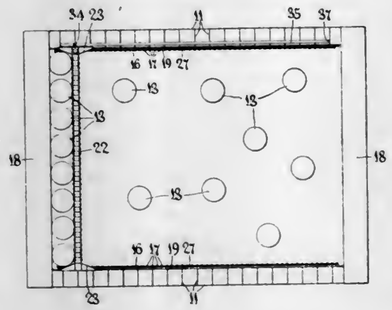
2,299,758
SAPOGENIN DERIVATIVE AND PREPARATION OF THE SAME
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application August 3, 1940, Serial No. 351,148
15 Claims. (Cl. 260—397.2)

1. Process for the preparation of steroidal sapogenin derivatives which comprises treating a compound of the class consisting of steroidal sapogenins having the coprostane configuration at C_5, the nuclear transformation products thereof and side chain halogenated derivatives thereof, while in an organic solvent with a mineral acid and zinc, under conditions more vigorous than those required merely to reduce a nuclear 3-keto group, thereby forming tetrahydrosapogenin compounds.

2,299,759
SAPOGENIN REDUCTION PRODUCT AND PREPARATION OF SAME
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 17, 1941, Serial No. 379,359
15 Claims. (Cl. 260—397.2)

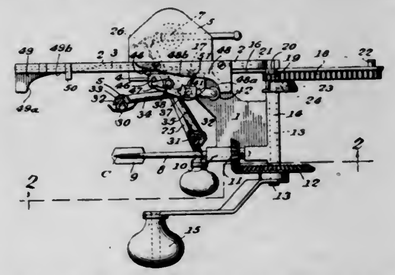
1. Process for the preparation of a steroidal sapogenin derivative which comprises treating a member of the class consisting of Δ^5-unsaturated steroidal sapogenins and side chain halogenated Δ^5-unsaturated steroidal sapogenins, while in an organic solvent with a mineral acid and zinc, under conditions more vigorous than those required merely to reduce a nuclear 3-keto group, thereby forming a tetrahydrosapogenin compound.

2,299,760
AMUSEMENT APPARATUS
Hyla F. Maynes, North Tonawanda, N. Y., assignor of one-half to Emma C. Maynes, North Tonawanda, N. Y.
Application October 23, 1941, Serial No. 416,238
15 Claims. (Cl. 104—53)



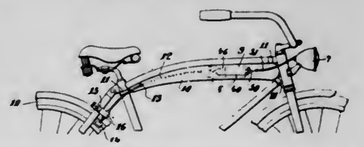
1. In aquatic amusement apparatus, a tank having side walls each provided with a track and a rack extending therealong, a carriage extending across the tank and having wheels engaging said tracks for enabling movement of the carriage substantially from end to end of the tank, said carriage having motive means including an electric motor and toothed wheels driven thereby and engaging said racks to effect movement of the carriage on said tracks, a cable for supplying current to said motor and a winding drum for the cable rotatably mounted upon the carriage for taking up slack in the cable as the carriage moves toward one end of the tank, said drum being rotated by and upon movement of the carriage, substantially circular boats in said tank on each side of said carriage, and rollers mounted on the side and end walls of the tank and also upon said carriage for engaging the circular walls of the boats, the movement of the carriage to either end of the tank sweeping the boats on one side into positions against the wall at said end for loading and unloading, and allowing the boats on the other side of the carriage access to the remaining area of the tank.

2,299,761
DEVICE FOR PEELING POTATOES AND THE LIKE
Cornelius Vernon McCauley, Waverley, Mass.
Application June 5, 1939, Serial No. 277,346
25 Claims. (Cl. 146—43)



1. Paring apparatus or the like comprising rotatable object supporting means, a reciprocable carrier, means for simultaneously rotating said supporting means, and advancing said carrier in predetermined relation, a cutting member effective to remove a surface layer from the object as it rotates, and means connecting said cutting member to said carrier, said connecting means including a pivot, said connecting means supporting said cutting member for arcuate movement in a plane substantially inclusive of the axis of the rotated object to cause a retarded advancement of said cutting member relative to said carrier whenever the path of said cutting member varies in relation to the path of said carrier to permit said cutting member to advance along said object at a substantially constant rate, the position of said pivot being at a greater radial distance from the axis of said supporting means than the radius of the largest object to be treated.

2,299,762
BICYCLE LIGHT
Carl McDermott, Freehold, N. J.
Application March 2, 1938, Serial No. 193,405
1 Claim. (Cl. 171—313)



A bicycle lighting system, comprising a small closed, generator casing for mounting on a bicy-

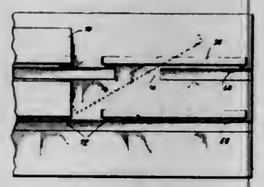
cle, a stationary field in said casing, including a field winding, a shaft journalled in said casing coaxially of said field, said shaft projecting from one end of said casing and having a roller for driven engagement with a tire of a bicycle, an armature slidably mounted on said shaft and rotating within said field, said armature being a permanent magnet and exerting force to magnetically attract the same toward a magnetically centered position within the field structure, a governor lever pivoted transversely on and thereby rotated by said shaft, connections between said lever and slidable armature to effect the rocking of said lever in one direction in the magnetic return movement of said armature on the shaft and to enable said lever, under centrifugal force, to rock in the opposite direction to shift the armature out of magnetically centered position in the field, a sleeve slidingly and rotatably mounted coaxially at one end of the shaft and arranged to be shifted longitudinally of said shaft upon the return movement of said slidable armature toward magnetically centered position in the field, a switch lever in the casing and positioned to be engaged by the outer end of said sleeve, opposed switch contacts in the casing engagable by said switch lever in the movement of the same in opposite directions, said switch lever being spring biased into engagement with one of said contacts and into engagement with said outer end of said sleeve, connections from said normally engaged switch contact to said field winding, a bicycle lamp, a battery for said lamp, connections from the other of said opposed switch contacts to said battery, and electrical connections from said field-winding-biased switch lever to said lamp and to either said battery or to said field winding and operative only one or the other, depending upon the position of said switch lever as conjointly effected through the self-biasing action of said switch lever under the regulatory control of said axially shiftable permanent magnet armature and governor lever connected therewith.

2,299,763

CABINET

Reuben E. Ottenheimer, Baltimore, Md.

Application August 4, 1938, Serial No. 223,109
8 Claims. (Cl. 312—119)



1. A cold storage cabinet comprising an insulated box having closed sides and bottom adapted to contain superposed horizontal tiers of receptacles, an upper wall inclined at an acute angle to the horizontal, a door in said wall, a plurality of horizontally movable receptacles for an upper tier accessible through said door, the space occupied by the receptacles in said upper tier being less than the capacity of the tier to permit selective movement of the receptacles thereof for access to the tier below, tracks supporting the receptacles of said upper tier, said tracks providing a gap through which receptacles of a lower tier may be inserted and removed, the walls of said cabinet defining a storage space above said upper tier accessible from said door and a supporting surface provided in said storage space, said receptacles having a width greater than the space between said tracks.

2,299,764

OPAQUING AGENT FOR ENAMELS AND PROCESS FOR MANUFACTURING SAME

Maxime Pâquet, Saint-Maure-des-Fosses, France

No Drawing. Application April 29, 1939, Serial No. 270,928. In France May 5, 1938
18 Claims. (Cl. 106—312)

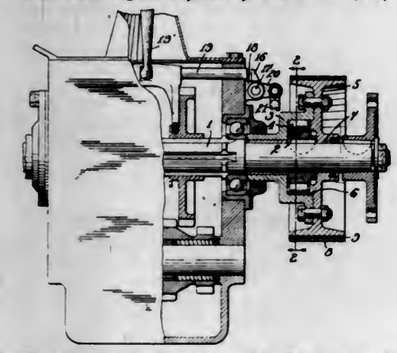
1. A process for preparing an opaquing agent for enamels, which process comprises the steps of intimately mixing cerium oxide with magnesia, and calcining the mixture.

2,299,765

MEANS FOR PREVENTING RETROGRADE MOVEMENT OF MOTOR VEHICLES AND THE LIKE

Carl F. Rauen, Grosse Pointe, Mich.

Application October 29, 1930, Serial No. 491,837
Renewed January 18, 1939
50 Claims. (Cl. 192—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a transmission assembly having a driven shaft and means for driving said shaft selectively in opposite directions, a member keyed to said shaft and forming one element of a one-way clutch, a member rotatable on said shaft and forming another element of such clutch, friction operated self-wrapping means cooperable with said last-named member to arrest rotation thereof in one direction, and means for rendering said friction operated self-wrapping means ineffective.

2,299,766

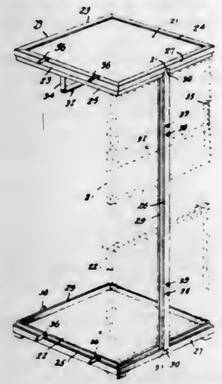
KNOCKDOWN CLOSET

Charles Rosenthal, New York, N. Y.

Application August 15, 1940, Serial No. 352,781
7 Claims. (Cl. 312—144)

3. In a storage closet, a rear wall, side walls swingably connected to the rear wall, and a closure swingably connected to one of the side walls, end walls having inwardly directed rims, and a spacing strip hingedly connected at its opposite ends to the rims of the end walls respectively for movement of the end walls from a collapsed parallel relation with the spacing strip to an expanded right angular relation therewith for receiving the rear wall, side walls and closure with

the opposite ends thereof disposed in surrounding relation with the rims respectively and with the closure engaging one of the longitudinal



edges of the spacing strip when in closed condition.

2,299,767

THERMALLY OPERATED SWITCH AND THE LIKE

Joseph Schmidinger, New York, N. Y.

Application February 2, 1940, Serial No. 316,889
19 Claims. (Cl. 200—122)



1. A thermal switch structure comprising a deformable double bowed vane mounted at one end and having a bias therein tending to move the free end of the vane in one direction and an expansible pull wire disposed generally in the plane of the vane and fastened at one end to the free end thereof, said expansible wire being anchored at its other end at a fixed point spaced from said vane so as to exert a straight line pull in the plane containing said fixed point and the end of the vane and being placed under tension to hold the free end of said vane in one position of equilibrium against the bias thereof while the expansible wire is cool and permitting upon the heating thereof the shift of the free end of said vane over to another position, said vane being deformed by said wire from its normal double bowed shape when the free end is in said first position.

2,299,768

TREATMENT OF SOLID CONTACT MASSES

Hubert A. Shabaker, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 20, 1938, Serial No. 209,070
15 Claims. (Cl. 252—259)

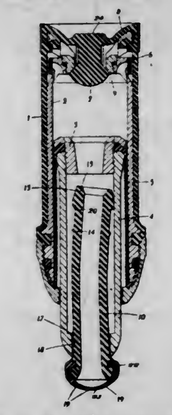
1. In the production of molded contact masses from precipitated irreversible inorganic gels the steps of subjecting such gel to conditions including drying which produce finely divided, hard, permanent solid, wetting said solid with added water free of gelatinous material, said water being added in quantity regulated to produce a mix which upon subsequent treatment has consistency suitable for molding, effecting said treatment by working the solid and added water for time sufficient to produce a flowable heterogeneous mass which reversibly increases and decreases in consistency upon standing and being agitated, respectively, and molding said heterogeneous mass while in its condition of decreased consistency into pieces of predetermined size and shape.

2,299,769

PUMP, SYRINGE, AND LIKE APPLIANCES FOR SURGICAL AND MEDICAL AND OTHER PURPOSES

Hans Herbert Schulz, Wembley, England

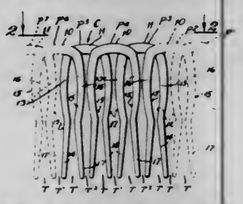
Application December 3, 1938, Serial No. 243,735
In Great Britain December 8, 1937
7 Claims. (Cl. 128—232)



1. A syringe or the like comprising a rigid cylinder member, a piston member in said cylinder member, an elastic member secured to said cylinder member in a fluid tight manner so as to lie normally in close proximity to the external surface of said cylinder member, said elastic member being capable of being elastically expanded by fluid pressure to provide a variable storage chamber around said cylinder member, said cylinder and piston members being relatively longitudinally displaceable, a fluid inlet from the interior of said cylinder member to said chamber, a one-way valve controlling said inlet whereby to permit fluid to enter said chamber and expand said elastic member and to be retained in said chamber, an outlet from said storage chamber and valve means by which said fluid can be released when desired through said outlet from said chamber, said piston member having a rigid tubular part, an elastically deformable rubber tube partially housed in said tubular part, co-operating means between said rigid tubular part and said elastically deformable rubber tube which permit said tube, when drawn outwards from its housing, to be elastically deformed to secure it in the desired extended position during the use of the syringe, the outer end of said tube comprising an enlarged nozzle portion having at least one discharge opening, said portion being arranged to be brought against the outlet end of said tubular part and being elastically deformable when pressed against a support to seal the interior of the cylinder member from exterior communication by way of said discharge opening and to seal said end of the tubular part thereby

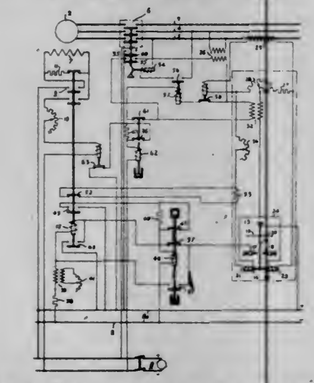
to complete the sealing of the interior of the cylinder member, so that by displacing the cylinder member towards the support the fluid in the cylinder member is forced to expand said elastic wall and remain in storage in said chamber, and said nozzle portion being adapted to relax again when the pressure is released and the cylinder member is to return to enable a fresh charge to be sucked into the cylinder member.

2,299,770
HAIRPIN COMB
Nathan L. Solomon, Mount Vernon, N. Y.
Application August 29, 1941, Serial No. 408,717
7 Claims. (Cl. 132—20)



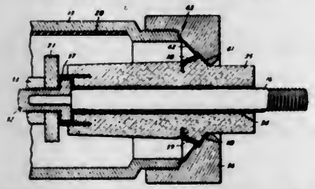
1. In a one piece hair pin comb, front and rear rows of hair pins disposed in overlapping relation, the pins of each row comprising a loop having spaced teeth, the loops of said rows being staggeredly arranged for positioning adjacent teeth of contiguous pins of said rear row between said spaced teeth of a pin of said front row.

2,299,771
SYNCHRONOUS MOTOR STARTER
Edward H. Stivender, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 29, 1939, Serial No. 270,859
8 Claims. (Cl. 172—289)



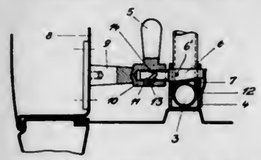
2. Controlling apparatus for a synchronous motor having a winding connectable to an alternating current supply circuit and a field winding connectible to a source of direct current, comprising an electromagnetic device including an armature element and energizing windings therefor whose resultant energizing effect is responsive to electrical conditions dependent upon the rate and magnitude of cyclic variations in the power factor of said alternating current circuit when the latter is connected to said motor, a movable contact, a second contact, said movable contact being operable by said armature element into and out of engagement with said second contact on variation of the power factor of said alternating current circuit to a predetermined degree from an average value, and means rendered operable by said movable contact when in engagement with said second contact for effectively connecting the field winding of said motor to the direct current source to establish synchronous operation of the motor, said means including a device for delaying the connection of said field winding to the direct current source until said contacts are in engagement for a time interval corresponding to a predetermined sub-synchronous speed of operation of said motor.

2,299,772
SEAL ARRANGEMENT
Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 17, 1941, Serial No. 415,484
8 Claims. (Cl. 174—18)



1. A terminal structure for encased electrical apparatus of the type employing pressures differing substantially from atmospheric comprising an insulator having a shoulder portion, a metal ring having one edge embedded in said insulator and connected to a part of the apparatus casing to provide a seal for said terminal structure, and another part of the casing engaging said shoulder portion and adapted to absorb mechanical stresses attributable to said pressure differential.

2,299,773
SEAT HOLDING MEANS
Hans Veyder, Stuttgart-Degerloch, Germany; vested in the Alien Property Custodian
Application May 6, 1939, Serial No. 272,115
In Germany May 7, 1938
8 Claims. (Cl. 155—14)

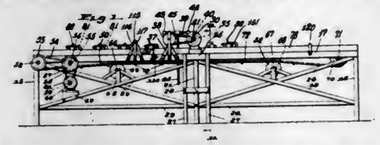


1. In a vehicle having a body including a hinged door, the combination of a seat, means for supporting said seat for adjustment longitudinally of the vehicle, means for clamping said seat in any position to which it has been moved and means operated by said door for actuating said clamping means to clamping position.

2,299,774
MACHINE FOR TREATING SHRIMP
Rupert E. Weems, Galveston, Tex.
Application August 2, 1940, Serial No. 349,477
10 Claims. (Cl. 17—2)

1. A machine for treating shrimp comprising a supporting frame, a plurality of spaced circular saws mounted above the frame, a plurality of

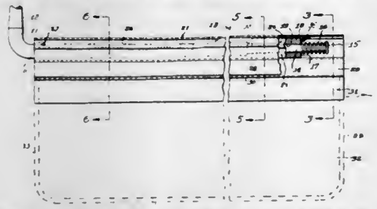
circular brushes in successive aligned arrangement with the saws, means moving shrimp into operative relation with the saws and brushes for splitting the shrimp and removing the intestinal tracts therefrom, means spraying a liquid into



the shrimp during the cleaning operation, means revolving the saws and brushes, and means raising the tail portions of the shrimp when said portions are contacted by the saws.

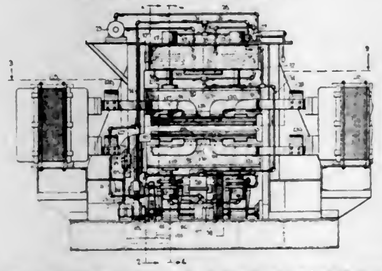
2,299,775
SLIDABLE VISOR
Frederick J. Westrope, Pleasant Ridge, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit. Mich., a corporation of the United States
Application July 3, 1941, Serial No. 400,897
12 Claims. (Cl. 296—97)

1. In a slidable visor, a visor-supporting rod having a tapered portion, an adjustment member having a tapered bore frictionally engaging said tapered portion and having longitudinally-extending surfaces disposed at an angle to one another, a visor-supporting tube disposed externally of said rod and having longitudinally-extending surfaces corresponding in configuration to said previously mentioned longitudinally-extending surfaces and in engagement therewith,



and a visor panel structure connected to said visor-supporting tube.

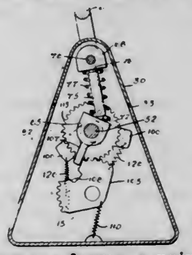
2,299,776
PANEL WELDING MACHINE
William A. Weightman, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application June 25, 1938, Serial No. 215,741. Divided and this application April 9, 1941, Serial No. 387,702
8 Claims. (Cl. 219—4)



2. In a welding machine tool, a pair of opposed welding dies, means for intermittently moving the work between the dies, reversible fluid motor means for moving the dies into and out of clamping relation with the work, and other means for intermittently moving the dies out of clamping relation with the work against the force of said fluid motor means.

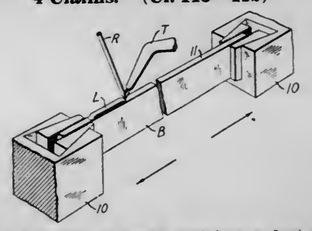
6. In a welding machine tool, a pair of opposed platen welding dies, means for feeding a pair of metallic cover sheets and an intervening metallic spacing member between said dies and means situated on the entering side of the dies between the spacing member and the cover sheets for maintaining the cover sheets out of electrical contact with the spacing member on the entering side of the dies.

2,299,777
WRINGER
Charles W. Williams, Cleveland Heights, Ohio, assignor to Automatic Safety Wringer Company, a partnership
Application October 13, 1937, Serial No. 168,734
11 Claims. (Cl. 68—253)



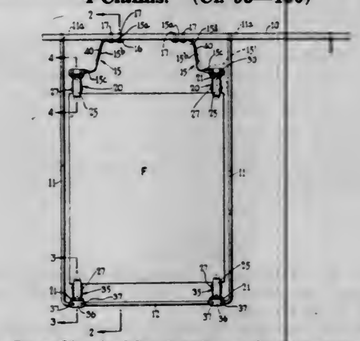
1. In a wringer, a frame, a pair of rolls carried by said frame, power means to rotate said rolls, resilient means to urge said rolls together and mechanism operable automatically by said power means on feeding an excess thickness of material to the wringer to shift the roll axes with respect to each other and simultaneously release the normal operating pressure on the rolls.

2,299,778
MAKING METAL COMPOSITE ARTICLES
William A. Wissler, Niagara Falls, N. Y., assignor to Haynes Stellite Company, a corporation of Indiana
Application June 7, 1939, Serial No. 277,877
4 Claims. (Cl. 113—112)



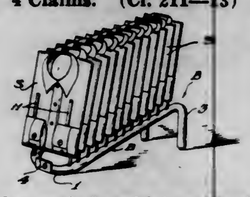
1. In a process of weld uniting a hot body of metal to an edge of a cooler blade and cooling the resulting composite body, the method of decreasing the distortion of the composite body which would normally occur when the said hot body is cooled, which method comprises, without bending, subjecting said cooler blade during the operation to a tensile stress such that upon its release the cooler blade shortens to substantially the same extent as the hot body is contracted by cooling to ordinary temperatures and releasing such tensile stress after the uniting operation is complete.

2,299,779
FILM HOLDER
Harry S. Wolf, Brooklyn, N. Y.
Application January 27, 1940, Serial No. 315,991
4 Claims. (Cl. 95—100)



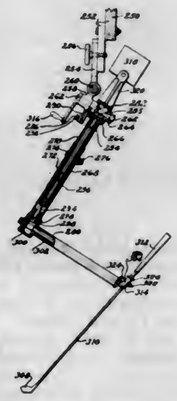
1. In a film holder having a frame and wherein a clip movably mounted with respect to said frame and having a pair of jaws is employed for gripping portions adjacent one edge of a film between said jaws, that improvement which comprises the provision of a clip support having one end attached to said frame and the other end attached to said clip, said clip support including a resilient member of flat bar stock having a pair of substantially horizontally disposed end portions interconnected by a transversely disposed central portion, the end portion of said stock attached to said frame and the central transverse portion having their flat sides perpendicular to the plane of said frame, the end portion of said stock attached to said clip being axially twisted so that its flat side is parallel to the plane of said frame and disposed substantially at right angles to the flat side of the central portion and the end portion which is attached to said frame.

2,299,780
DISPLAY RACK FOR MEN'S SHIRTS
Morris A. Wolf, Dallas, Tex.
Application May 14, 1940, Serial No. 335,072
4 Claims. (Cl. 211—13)



1. A display rack for shirts comprising a base formed of a single piece of material bent upon itself to provide spaced supporting rails, spaced apertures in the rails, the ends of said rails bent to form rear legs for supporting the rack in an inclined position; a plurality of shirt supporting members seated in said apertures, each of said shirt supporting members comprising a piece or length of metal bent to form a loop with an inwardly curved upper end and substantially straight shanks and co-members of angular formation, the inner surfaces of said shanks and said angular members being flattened and abutting and welded to each other at their lower portions, the abutting portions being bent to form projections for locking the shirt supporting members in the apertures in said rails.

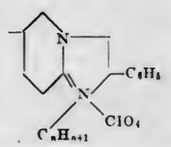
2,299,781
GAME APPARATUS
Robert W. Adams, Waban, Mass.
Application September 14, 1939, Serial No. 294,887
23 Claims. (Cl. 273—35)



23. A golf clug swinging apparatus having, in combination, a pivoted arm, means for pivotally supporting a golf club to turn about an axis parallel to the pivotal axis of the arm and spaced therefrom, the golf club being supported with the handle portion thereof to one side of the axis of the pivotal supporting means, and devices comprising sun and planet gearing for coordinating the relative turning movements of the club and arm, said gearing having a ratio such that the club turns through approximately one and one-half revolutions when the arm is turned through one revolution, whereby the club head is caused to move in a substantially epitrochoidal path approximating the swing of a player, with the club, at the beginning of a swing, lying in a substantially horizontal plane slightly below the plane of the club at the finish of a swing by reason of said offset of the club handle relative to the axis of the pivotal supporting means.

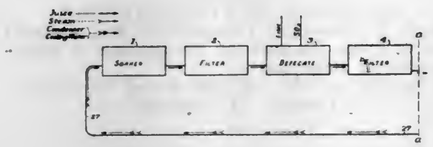
2,299,782
SURFACE ACTIVE MATERIALS
Charles F. H. Allen and Charles V. Wilson, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 29, 1940, Serial No. 321,599. In Great Britain March 30, 1939
2 Claims. (Cl. 260—270)

1. A cationic surface active quaternary ammonium perchlorate of the following general formula:



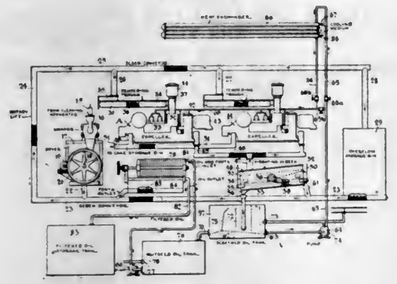
wherein n represents a positive integer of at least 8.

2,299,783
TREATMENT OF SUGAR SOLUTIONS
Marshall R. Allen, Findlay, Ohio
Application May 31, 1940, Serial No. 338,105
7 Claims. (Cl. 127—61)



1. In the treatment of sugar solutions containing alkaline earth metal salts, the process of inhibiting the formation of scale on surfaces in contact with said solution during evaporation, which comprises providing in said solution an amount of molecularly dehydrated alkali-metal phosphate between about 2 P. P. M. and 10 P. P. M. based on the weight of the sugar solution entering the first effect evaporator.

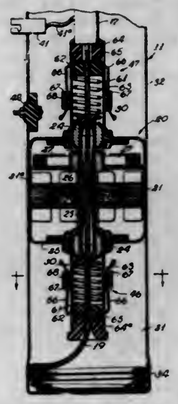
2,299,784
LIQUID EXPRESSING SYSTEM
Raymond T. Anderson, Berea, Ohio, assignor to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application July 7, 1939, Serial No. 283,286
11 Claims. (Cl. 100—48)



1. In a liquid expressing system a main press including a barrel having liquid expressing means therein; a feeding press including a barrel discharging into said main press barrel and also having liquid expressing means therein; means for supplying cooling liquid expressed by said presses to the barrel of the main press to cool the same; and means for forcibly spraying the cooling liquid onto the barrel of the feeding press.

2,299,785
RADIO ANTENNA
Edward L. Barrett, La Grange, Ill., assignor to Barrett Engineering Company, Chicago, Ill., a corporation of Illinois
Application May 16, 1940, Serial No. 335,569
18 Claims. (Cl. 250—33)

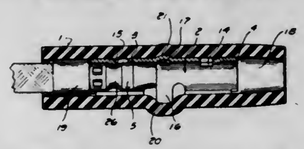
4. In a radio antenna, the combination with an extensible wave-receiving structure including a closely spiraled helix of wire, and means for restraining the helix against rotation, of an electric drive motor therefor having a hollow drive shaft through which said wire is led and presenting interiorly located screw threads mating with the convolutions of said wire to feed the same axially through said shaft upon rotation of the latter.



2,299,786
PROCESS OF TREATING TEXTILE MATERIALS
Albert Edward Battye, Joseph Tankard, and Frederick Charles Wood, Manchester, England, assignors to Tootal Broadhurst Lee Company, Limited, Manchester, England, a British company
No Drawing. Application December 8, 1937, Serial No. 178,692. In Great Britain December 9, 1936
2 Claims. (Cl. 91—70)

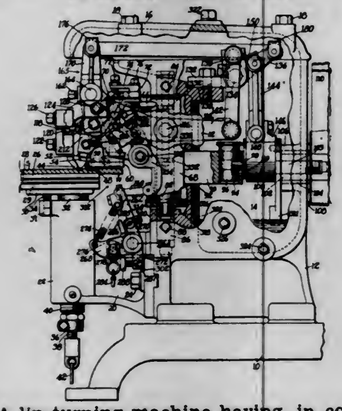
1. Process for producing textile material of improved wearing quality which includes the step of impregnating said material with an aqueous dispersion of rubber containing synthetic urea-formaldehyde resin components and a catalyst capable of liberating acid together with an agent capable of preventing coagulation of the dispersion by said acid.

2,299,787
ELECTRICAL CONNECTION MEANS
Fay Beal, Bronson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Application March 17, 1939, Serial No. 262,472
4 Claims. (Cl. 173—328)



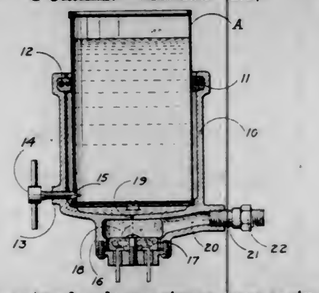
2. Electrical connection means, including a tube member of insulating material, a metal insert arranged within the confines of said tube, said insert having a receptacle adjacent each extremity for receiving a conductor terminal, a resilient seat provided on said tube, means projecting laterally of said insert and with respect to said receptacles, said seat pressing against said projecting means for locking the tube and insert in assembly, and a recess provided in said insert substantially opposite said means receiving a portion of said tube whereby to further assist in locking the parts in assembly.

2,299,788
LIP TURNING MACHINE
Frederic E. Bertrand, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 30, 1940, Serial No. 348,531
34 Claims. (Cl. 12—30)



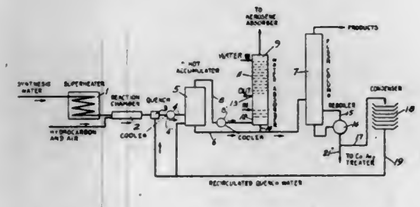
1. A lip-turning machine having, in combination, a work support, guide means for engaging the lip and shoulder of a channeled insole, said means comprising an edge gage and a plow for raising the lip as the insole is fed through the machine, said edge gage and said plow being spaced apart, a wiper for turning back the raised lip, and a hammer for pounding and pressing down the turned-back lip on the adjacent surface of the insole above the between-substance, said hammer being arranged to engage the turned-back lip between the plow and the edge gage so that the shoulder of said channel is supported by said edge gage and plow against outward bulging during the action of the hammer.

2,299,789
APPARATUS FOR DEGREASING GEAR CASINGS
John F. Black, Cleveland, Ohio, assignor to Circo Products Company, Cleveland, Ohio
Application November 22, 1940, Serial No. 366,677
4 Claims. (Cl. 184—1.5)



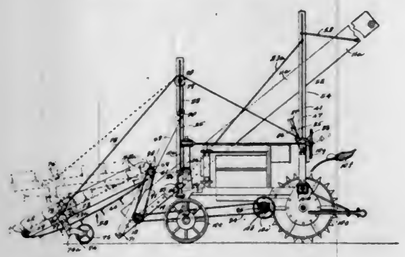
1. Apparatus for degreasing a gear casing comprising a holder, a wall dividing said holder into a pair of chambers with one of the chambers adapted for the reception of a can for a solvent, a spur in said holder for piercing the can, said wall having an opening therethrough, a heater constituting a vaporizing unit secured to said holder and extending into the other chamber, a portion of said holder subjacent said wall defining a passageway communicating with the last named chamber, a conduit threaded in the outer end of the passageway and coupling means on said conduit for detachably suspending said holder from the gear casing to be degreased.

2,299,790
OXIDATION OF HYDROCARBONS
Joseph E. Bludworth, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application May 28, 1940, Serial No. 337,593
5 Claims. (Cl. 260—451)



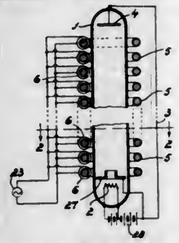
1. In the method of producing oxygenated organic compounds wherein hydrocarbons are subjected in the vapor phase to oxidation in the presence of a diluent and the oxidation reaction products are quenched with aqueous liquid, the steps of returning a part of the aqueous liquid to the quenching zone, removing a part of the aqueous liquid and separating the acids therefrom.

2,299,791
LOADER AND TRACTOR STRUCTURE
James J. Boulton, Alta Vista Township, Lincoln County, Minn.
Application August 17, 1940, Serial No. 353,085
6 Claims. (Cl. 198—11)



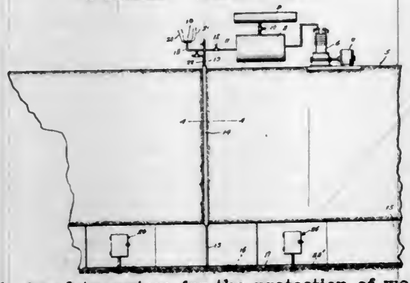
1. The combination with a tractor having front and rear pairs of wheels and a frame having a transversely extending portion at its front end, of a loading attachment comprising spaced vertically extending members secured to said frame at its front portion, a horizontally extending bar secured to said members and extending transversely of said frame and to one side thereof, a vertically extending standard secured to said horizontally extending member at one side thereof, a loading mechanism comprising upwardly extending spaced side frame members with an endless carrier disposed therebetween supported upon said standard, a second standard secured to said tractor frame at the rear thereof and substantially longitudinally aligned with said first mentioned standard also supporting said loading mechanism and means for driving said endless carrier from said tractor.

2,299,792
ELECTRIC DISCHARGE TUBE
Albert Bouwers and Aart van den Berg, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 26, 1939, Serial No. 276,012
In Germany May 31, 1938
9 Claims. (Cl. 250—27)



1. In combination an electric discharge tube including means to produce a stream of electrons within the tube, and a device for producing Faraday acceleration of the electrons within the tube including a plurality of iron cores of annular shape surrounding said tube and each provided with a slot to form two mutually-insulated ends, an energizing coil for each core, means electrically interconnecting said cores in series to form a coil thereof, and means to pass a current through said cores to thereby produce a magnetic field within the tube and substantially coaxial therewith.

2,299,793
LIFE SAVING SYSTEM
James Cleve Cannaday, Virgil Teague, and James Harwood Ledbetter, Providence, Ky.
Application June 25, 1940, Serial No. 342,403
2 Claims. (Cl. 128—140)



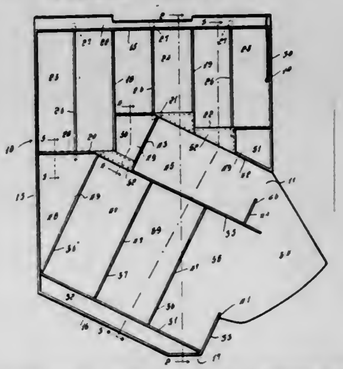
1. A safety system for the protection of workmen working in a subterranean passage, said system comprising a bore hole leading from the surface of the earth or other convenient remote place into said passage, a protective casing passing through said bore hole to said passage, a plurality of safety stations distributed along said passage, each station comprising a cabinet mounted on the wall of the passage, a buried manifold pipe extending along said passage and having outlets leading into the various safety stations, said protective casing enclosing a supply pipe having its lower end connected in communication with said manifold, combined telephone and electric supply wires passing through said outlets and through said protective manifold and through said supply pipe to the surface of the earth, each cabinet containing a telephone and electrically operated rescue facilitating means, connector means on said outlets within the cabinets enabling electrically connecting the telephones and the rescue facilitating means to said telephone and electrical supply wires, each cabinet further containing respirator means, connecting means for connecting said respirator means in communication with a portion of the manifold outlet within the cabinet, and a main station located on the surface of the earth or said other convenient remote place, a respiration facilitating gas supply connected in communication with the upper end of said supply pipe, said main station further comprising telephone means and a source of electrical energy electrically connected to said combined telephone and electric supply wires.

2,299,794
CLOTHESLINE FASTENER
John I. W. Carlson, Washington, D. C.
Application June 28, 1941, Serial No. 400,320
4 Claims. (Cl. 24—131)



1. A line fastener of the class described comprising a shank, a tapering end formed upon said shank and having an abrupt lateral shoulder portion at its base terminating in a rearwardly extending finger spaced from the shank to provide a restricted neck to receive a line which is adapted to be passed around the neck and between the shank and finger to lock the line in position, the rearwardly extending finger being inset with respect to said abrupt shoulder.

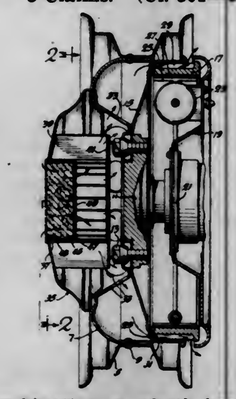
2,299,795
POSTING TRAY AND SIGNATURE CARD FILE
Dora D. Cayton, Kinston, N. C.
Application February 13, 1941, Serial No. 378,800
1 Claim. (Cl. 206—73)



A combination posting tray and signature card holding file comprising an elongated tray bottom having a forward end and a rear end and a plurality of upset walls forming the sides of the tray and a plurality of upstanding partitions, combining with said walls for dividing the tray into a plurality of compartments, said compartments being of different sizes and shapes, the compartments, adjacent the rear end of the tray,

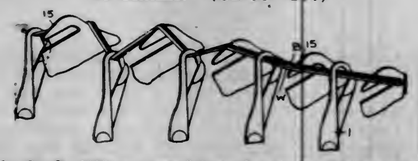
being arranged longitudinally thereof, a hingedly mounted cover forming a closure for said compartments, and other of said compartments being arranged at oblique angles to the first mentioned compartments and to the longitudinal axis of the tray, and said bottom being provided with an extension in one of its side edges and adjacent its forward end and forming an obliquely projecting, supplementary tray portion, certain of said last mentioned compartments being disposed at the forward end of the tray and obliquely to the first mentioned compartments, and one of the last mentioned compartments being disposed intermediate of the ends of the tray and at substantially a right angle to the compartments at the forward end of the tray.

2,299,796
BRAKE COOLING DEVICE
Theron P. Chase, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 28, 1939. Serial No. 301,710
3 Claims. (Cl. 301—6)



1. In combination, a wheel, brake means including a drum secured thereto, said wheel having as a part thereof a hub cap with an opening therethrough, said drum having a plurality of external radial ribs, an annular member surrounding said ribs, air current creating means acting in response to wheel rotation and including a series of vanes carried by said wheel to draw air through said hub cap opening and discharge it over said drum.

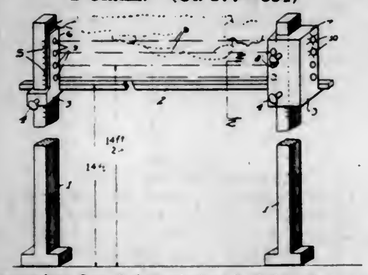
2,299,797
MECHANISM FOR AND METHOD OF DETERMINING THE PLATING RELATIONS OF YARNS IN KNITTED FABRICS
Arthur N. Cloutier, Lonsdale, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application July 28, 1937, Serial No. 156,185
16 Claims. (Cl. 66—107)



1. A knitting machine having independent needles and sinker-like instrumentalities, said instrumentalities each having a nib defining a throat thereunder, the nibs being characterized by having a downwardly and inwardly inclined upper edge, means for feeding two yarns to the needles and in a plating relation, means for moving some of the sinker-like instrumentalities so that yarns are drawn over the downwardly and inwardly inclined edges of the nibs which, in cooperation with an adjacent needle, bind the yarns and prevent an adjacent and following sinker-like instrumentality where the plating relation of the yarns is reversed, from disturbing the plating relation in the hook of the needle first mentioned.

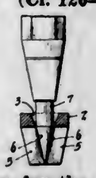
14. A sinker or web holder for circular, independent needle knitting machines having a nib terminating in a point for controlling the knitting of two yarns in plated and in reverse plated relation, the said nib having stitch drawing edges, one of which slopes downwardly and forwardly in a straight line toward the point of said nib and the other stitch drawing edge of which slopes downwardly and rearwardly.

2,299,798
ELECTRICAL CLEARANCE MEASURING SYSTEM
Ralph H. Colson, West Roxbury, and Eugene A. Sullivan, Leominster, Mass.
Application March 12, 1940, Serial No. 323,636
1 Claim. (Cl. 177—384)



Apparatus for determining height clearance in athletic events, comprising a pair of spaced vertical standards, brackets adjustable on said standards, a horizontal bar, means on said brackets for displaceably supporting said bar, means on one bracket for projecting light beams between said standards at regular intervals above the plane of said bar, light-sensitive means on the other bracket in positions corresponding to the positions of the light sources, and indicating devices corresponding in number to said light-sensitive means and controlled thereby for indicating the passage or nonpassage of a body in the space between said standards and above the plane of said bar.

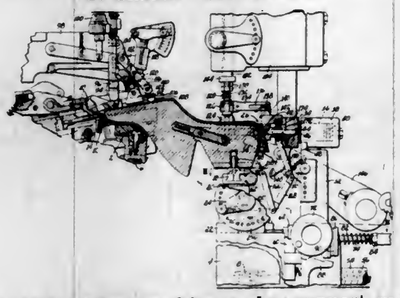
2,299,799
DEVICE FOR POINTING LEAD PENCILS
Forrest E. Correll, Huntington Park, Calif.
Application November 24, 1941, Serial No. 420,164
1 Claim. (Cl. 120—92)



A sharpening device for the lead of a pencil, comprising a body of metal having a countersunk recess in one end thereof and a plurality of tongues formed by intersecting axial cuts beginning at the opposite end of the body and

meeting such countersunk recess, said tongues having interior sharp cutting edges, the faces of the tongues meeting at the end opposite to the countersunk recess to position the cutting edges at angles to the axis of the body.

2,299,800
LASTING MACHINE
Theodore P. Courchene and Lloyd G. Miller, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 17, 1941, Serial No. 402,776
47 Claims. (Cl. 12—12)



1. In a lasting machine, a shoe support, means for lasting the toe end of a shoe on said support, a heel rest for engaging the upper at the heel end of the shoe exteriorly of the shoe bottom to control the shoe in the lasting operation, means for tipping the shoe laterally to position it relatively to the toe-lasting means while it is engaged by said heel rest with comparatively light pressure, and means for increasing the pressure of the heel rest on the shoe after the shoe has thus been positioned.

2,299,801
MOTOR FUEL
Paul L. Cramer, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application July 22, 1938, Serial No. 220,794
1 Claim. (Cl. 260—682)

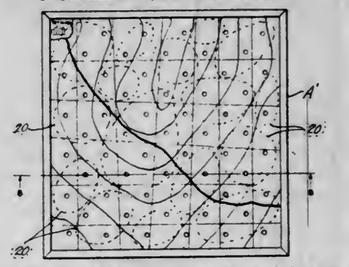
A process for producing a mixture of highly branched chain amylenes consisting of substantially pure trimethyl ethylene and substantially pure unsym-methyl ethyl ethylene which includes, treating a mixture of amyl alcohols containing dimethyl ethyl carbinol and undesired amyl alcohols with dilute sulphuric acid of about 48% acid by weight to selectively dehydrate only the dimethyl ethyl carbinol of the mixture of amyl alcohols to obtain a mixture of amylenes consisting of substantially pure trimethyl ethylene and substantially pure unsym-methyl ethyl ethylene.

2,299,802
VALVE
Lee G. Daniels, Rockford, Ill.
Original application April 26, 1937, Serial No. 138,948, now Patent No. 2,235,287, dated March 18, 1941. Divided and this application January 31, 1941, Serial No. 376,875
13 Claims. (Cl. 251—84)

1. The combination in a multi-port valve of a rotor and a stator member having multiple ports for mutual registration in a plurality of positions, sleeves disposed in the ports of one of said members and projecting therefrom toward the other member, and resilient sealing gaskets in the form of long, longitudinally compressible cylinders encircling said sleeves, the ends of said cylinders abutting against the rotor and the stator in the seated position of the rotor to compress said cylinders in a direction substantially parallel to the axis thereof to effect sealing contact therebetween.

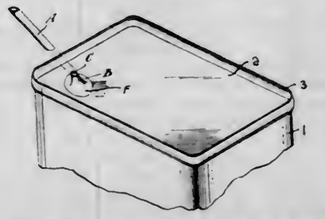


2,299,803
GAME
Charles U. Deaton, Centralia, Ill.
Application January 8, 1940, Serial No. 312,969
3 Claims. (Cl. 273—135)



1. In a game, a board comprising a frame having a panel provided with a plurality of spaced openings, members shiftable within the frame and under said panel for concealably obstructing some of said openings, and playing-pieces movable over the panel and each including a body member and a rod shiftably mounted in and projecting at an end from the body member for insertion into a selected panel-opening and adapted, upon encountering an obstructed aperture, to shift relative to the body member for visually indicating the location of one of said members.

2,299,804
CONTAINER FOR LIQUIDS
Ana Bosi de Fallardi, Buenos Aires, Argentina
Application June 19, 1939, Serial No. 279,973
In Brazil June 29, 1938
6 Claims. (Cl. 221—23)



1. In combination, a hermetically closed container including an upper wall, a spout-like member including a substantially tubular body closed at one end, and a flange at the opposite end of said body secured to said container wall, the closed end of said spout-like member and the portion of the container wall lying thereunder being adapted to be perforated to facilitate removal of the contents of the container.

2,299,805
PACKING
Harry B. Denman, Detroit, Mich., assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 26, 1941. Serial No. 424,513
1 Claim. (Cl. 288—34)



Flexible packing being a highly compressed laminated flexible structure having a thickness of the order of thin paper-board comprising layers of flexible substantially inextensible and incompressible paper, and layers of resilient, flexible, compressible, adhesive material interposed between the paper layers and of less thickness than the paper layers, said layers being subjected to sufficient pressure to produce a substantially homogeneous structure, said resilient, compressible, adhesive layers binding the paper layers together and rendering the structure as a whole permanently resilient and compressible under bolt pressure without rendering the built-up structure extensible so that it does not squeeze out under internal and external pressures, the resilient adhesive being present in amount as not to exude under high sealing pressure or destroy the flexibility of the built-up structure, said paper layers protecting the resilient binding layers, whereby the resiliency and inextensibility of the composite structure is permanently assured in the presence of high pressures, water, oils, solvents and temperature variations and is not dependent on surface coatings.

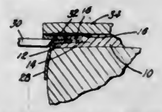
2,299,806
PRODUCTION OF ACETONE FROM ETHYL ALCOHOL
Henry Dreyfus, London, and Walter Henry Groombridge, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application December 7, 1940, Serial No. 369,113. In Great Britain December 20, 1939
2 Claims. (Cl. 260—596)

1. Process for the production of acetone, which comprises contacting a mixture of steam and ethyl alcohol vapor with a catalyst consisting essentially of ferric oxide and zinc oxide in a ratio of 3:2 to 2:1 at a temperature between 350° and 500° C., the partial pressure of the alcohol being substantially equal to that of the alcohol in a steam-alcohol-vapor mixture containing 20 to 40% by weight of alcohol at the same temperature and at atmospheric pressure.

2,299,807
TREATMENT OF CELLULOSIC TEXTILE MATERIALS
Charles Dunbar, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 5, 1939, Serial No. 277,566. In Great Britain June 10, 1938
4 Claims. (Cl. 8—136)

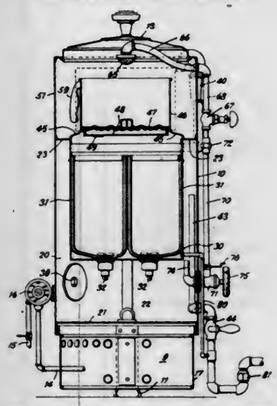
1. A process for obtaining textile materials characterized by softness and by non-creasing and non-crushing properties, said process comprising impregnating said material with an aqueous dispersion of ethylene polymer and with a substance selected from the class consisting of urea-formaldehyde and phenol-formaldehyde resins and ingredients forming such resins upon heat-treatment, and heating the textile material thus treated above the softening point of said ethylene polymer, said ethylene polymer being a solid at normal temperatures, corresponding in composition substantially to $(CH_2)_x$, and by X-ray diffraction analysis showing a crystalline structure.

2,299,808
PREWELT SHOE AND METHOD OF MANUFACTURING THE SAME
Karl Engel, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 23, 1940, Serial No. 371,294
3 Claims. (Cl. 12—142)



1. A prewelt shoe characterized by an insole comprising a relatively thick central portion which terminates in a wide lip and a narrow lip the edge face of which serves as an abutment against which the adjacent edge faces of the welt and upper are lasted, and a welt-attaching strip stitched to the narrow lip and secured to the sole-attaching face of the welt.

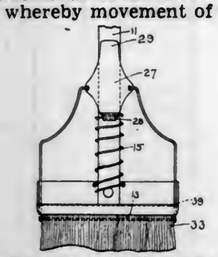
2,299,809
COFFEE URN
Samuel H. Ershler, Woodcliff, N. J.
Application April 26, 1939, Serial No. 270,083
5 Claims. (Cl. 53—3)



1. A coffee urn comprising in combination a boiler, a coffee jar, a jacket around said jar, a water supply pipe for the boiler, an overflow pipe for said boiler, valve means for conjointly controlling the openings in said pipes, and delivery means extending from said overflow pipe and communicating with said jacket for delivering steam from the boiler to the jacket when the boiler is being filled, said delivery means being controlled by said valve means conjointly with the controlling of the openings in said pipes.

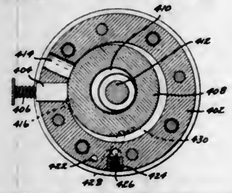
2,299,810
BRUSH AND MOP HOLDER
Conrad Fatland, Chicago, Ill.
Application July 17, 1939, Serial No. 284,810
4 Claims. (Cl. 15—148)

3. A combination mop and brush holder comprising a handle, a head member mounted on one end of said handle, to one side of a plane containing the axis of the handle a fixed jaw member disposed outwardly on said head member, on the other side of said plane a pair of spaced openings in said head substantially equidistant from said plane, a bail element having a jaw member on its outer end disposed in each opening, and a lever movably mounted on the handle on the same side of said plane as the fixed jaw member, said bail elements being connected to said lever on said last named side of said plane, whereby movement of the lever from



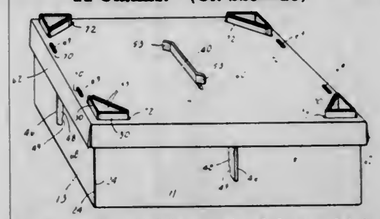
a closed position wherein the jaw members on the bail elements are substantially in said plane for holding a swab to the fixed jaw to an open position will cause said jaw members on said bail elements to move outwardly away from said plane so that a brush may be positioned between them and the fixed jaw member at a predetermined angle with respect to the handle.

2,299,811
COMPRESSOR FOR REFRIGERATING APPARATUS
Robert N. Feicht, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 26, 1938, Serial No. 192,846
1 Claim. (Cl. 230—47)



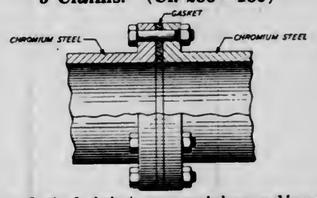
A multiple effect rotary compressor for drawing gas through high and low pressure gas inlets, including an impeller casing provided with spaced parallel plane wall surfaces and a round wall surface extending between the plane wall surfaces, an impeller having surfaces in sealing relation with the spaced walls of the casing, said impeller being provided with a round surface between the parallel surfaces different in diameter than the round surface of the casing to provide a pumping chamber between the impeller and the casing, means for providing a seal transversely across the pumping chamber between one portion of the casing and the impeller to provide a division in the pumping chamber, a low pressure gas inlet and an outlet communicating with the pumping chamber upon opposite sides of said seal, means for moving the round wall surface of the impeller progressively into sealing relation with successive portions of the round wall surfaces of the casing beginning with the low pressure gas inlet and ending with said outlet, a high pressure gas inlet port so located entirely in one of said plane wall surfaces remote from the round wall surface of said casing that it is entirely separated and sealed from the low pressure inlet by the impeller during the initial portion of each cycle and uncovered during an intermediate portion of each cycle and separated and sealed from the outlet by the impeller during the final portion of each cycle.

2,299,812
COMPLETE STICKLESS, STAPLELESS CHICK BOX
Kenneth C. Ferguson, Indianapolis, Ind., assignor to Anderson Box Company, Indianapolis, Ind., a corporation
Application April 13, 1940, Serial No. 329,438
11 Claims. (Cl. 229—15)



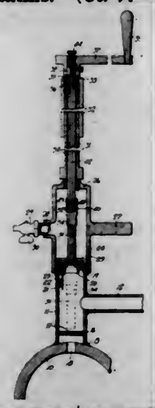
1. A covered, stickless, stapleless chick box structure, including separable box and cover structures, the cover structure including a top forming portion, a rim portion integral with each edge of the top portion and arranged for transverse positioning for rim formation, flaps on the ends of two spaced rim portions and foldable transversely thereof and toward the opposite rim portion, inwardly foldable extensions on the other rim portions forming grooves therewith for nesting the transverse flaps, the top at each corner including a triangular aperture, the box structure including a bottom and side and end walls integral therewith, each wall having an angular portion at each side edge, the walls when erected and transverse to each other and the bottom forming the box structure and having their adjacent angular portions substantially abutting and extending diagonally inward, and tubular triangular locking members in each corner of the box and with the vertex coincident with the box corner, the angular portions and the triangular tubular members being complementarily slotted for telescopic locking association to retain the walls in box structure formation, the tubular triangular members having a length greater than the height of any wall for projection above the plane of the cover when the cover is seated thereon, said triangular tubular members serving as a spacer for positioning a superposed box in spaced relation to the supporting box and retaining the several walls of the supporting box in box formation and the cover retaining the tubular portions in predetermined corner position for positively maintaining the walls and bottom in said box formation without requiring staple addition.

2,299,813
GASKETED JOINT
Russell Franks, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
Application November 13, 1940, Serial No. 365,465
5 Claims. (Cl. 285—139)



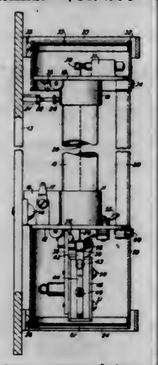
1. A gasketed joint comprising adjacent surfaces of chromium steel and a gasket therebetween, said gasket having sealing surfaces consisting principally of low carbon ferrochromium.

2,299,814
PIPE DRILLING APPARATUS
Walter H. Gale and Patterson D. Merrill, South Bend, Ind., assignors to M. B. Skinner Company, South Bend, Ind., a corporation of Indiana
Application January 2, 1940, Serial No. 312,078
12 Claims. (Cl. 77—41)



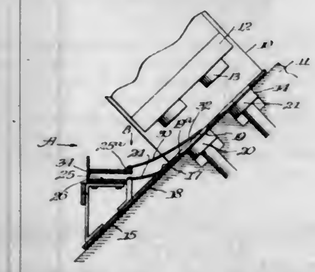
4. Pipe drilling apparatus comprising a branch pipe connector, having a restricted diameter tool seat therein, a conduit branching from said connector above said seat, an adaptor mounted on said connector, an exteriorly screw threaded tube carried by said adaptor, a feed screw adjustable on said tube, an elongated shaft rotatable in said tube and carried by said feed screw, said shaft being of a length at least equal to the combined length of said adaptor and tube and having a longitudinal bore and a head at its inner end adapted to mount a tool socket, locking means carried by said head, and means mounted in said bore and projecting from the outer end of said shaft for actuating said locking means at least a portion of said tool having a sealing fit in said tool seat.

2,299,815
GAS DETECTOR
Edgar W. Gent, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 5, 1940, Serial No. 364,359
4 Claims. (Cl. 200—52)



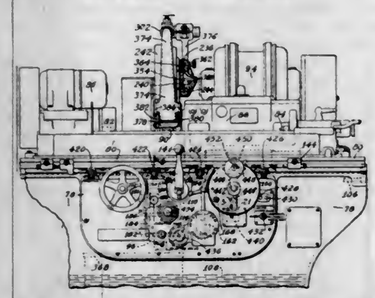
1. A gas detector comprising a switch mechanism housing open at the bottom, a vertical tube mounted in a collar on said housing and communicating with the interior thereof, a chamber open at the top positioned on and supported by the top of said tube and having an opening in alignment therewith, a wire suspended in said tube one end of which is secured to a switch mechanism in said housing and the other end to a tensioning means in said chamber, and wire mesh screens covering the openings in said housing and said chamber.

2,299,816
ARTICLE FORMING AND HANDLING MECHANISM
George Goebel, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application October 18, 1938, Serial No. 235,667
5 Claims. (Cl. 113—1)



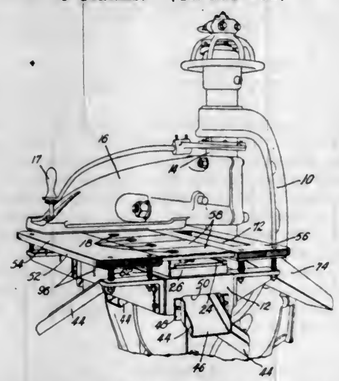
1. The combination in a punch press, of an inclined bed plate, a pair of rows of die elements, one row positioned above the other on said inclined bed plate, the die elements of one row being staggered with respect to the die elements of the other row, and a guide plate to receive articles extending from a transverse line on said bed plate substantially between the rows of die elements, said guide plate being cut away at points in alignment with the die elements of the lower row of dies.

2,299,817
MACHINE TOOL
Benjamin P. Graves, Barrington, and Hans Carl Weimar, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application October 7, 1939, Serial No. 298,460
21 Claims. (Cl. 51—3)



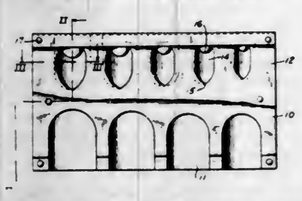
1. In a grinding machine, a work support and a rotary work holder thereon, a grinding wheel support, and operative means for rotating the work holder and for effecting relative translatory movements and transverse positioning movements of said supports between grinding and relatively separated positions, a honing attachment located on said grinding wheel support to be rendered operative in the relatively separated positions of said supports, said honing attachment comprising a vibratory honing element and supporting means on which the honing element is movable into and out of work engaging contact, control means for operating said work supports and work holder for effecting a grinding operation, means for vibrating the honing element, and an operating control rendered operative automatically concurrently with the movement of the honing element against the work to control the operation of the supports, the work holder, and honing element in accordance with a honing cycle of operation.

2,299,818
MACHINE FOR CUTTING SHEET MATERIAL
Charles J. Gross, Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 29, 1940, Serial No. 348,077
5 Claims. (Cl. 164—33)



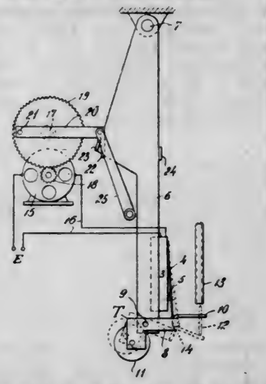
1. A die assembly comprising a base plate, abutments upon opposite sides thereof, flanges extending along each of the abutments, a die plate resting upon the abutments and having an opening therein adjacent to one of the flanges, a hollow die resting upon the die plate in alinement with the opening therein, and means carried by the die plate for forcing the die against one of the flanges and an edge of the die plate against the other of the flanges to secure the die plate and die in fixed position relatively to the base plate.

2,299,819
MANICURING DEVICE
Chalmers J. Hanson, San Francisco, Calif.
Application April 19, 1941, Serial No. 389,298
4 Claims. (Cl. 132—88.5)



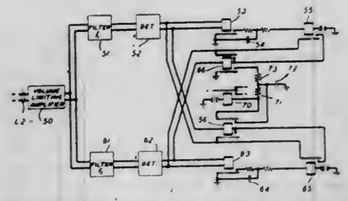
1. A mask for use in manicuring nails which comprises a relatively thin sheet of material having an opening to expose the nail to be coated, and downwardly turned edges on said opening formed of a single thickness of said material to form close contact with the tissue surrounding the nail.

2,299,820
COIN OPERATED SWITCH
Carl J. Holinger, Plainfield, N. J.
Application August 3, 1940, Serial No. 350,172
8 Claims. (Cl. 194—9)



7. Coin-operated mechanism of the character described comprising, in combination, an electric motor, a switch connected to open and close the power supply circuit of said motor, an operating lever for said switch biased to move to switch closed position, an arm movable toward and from the switch operating lever, a latch pivoted to said arm biased to move to position to engage said switch operating lever, means for directing a dropped coin to fall onto said latch to move said latch downward to release said switch operating lever and permit closing of the switch, and mechanism driven by said motor and connected to said arm to move the arm and the latch to one position in which the pivoted latch moves upward, as biased, to position to lie in the path of said switch operating lever and to move the arm and latch after a predetermined interval to another position to move the switch operating lever to switch opening position.

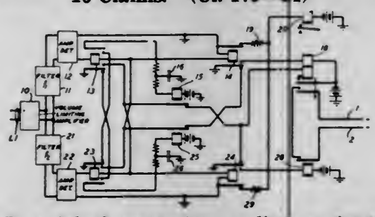
2,299,821
SIGNALING SYSTEM
Arthur W. Horton, Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1940, Serial No. 327,961
11 Claims. (Cl. 179—84)



1. A signal receiver to respond to a signal consisting of current of a first frequency characteristic followed within a short and predetermined interval of time after this current ends by a current of a second frequency characteristic, said receiver comprising selective filters, one filter tuned to

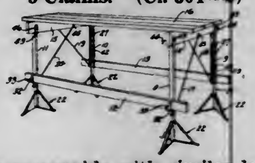
pass current of only said first frequency characteristic, the other filter tuned to pass current of only said second frequency characteristic, said filters having similar current build-up time characteristics so as not to distort the time characteristic of the signal response.

2,299,822
SIGNALING SYSTEM
Arthur W. Horton, Jr., South Orange, N. J., and Orlando J. Murphy, New York, and Henry E. Vaughan, Valley Stream, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1940, Serial No. 327,962
16 Claims. (Cl. 179—84)



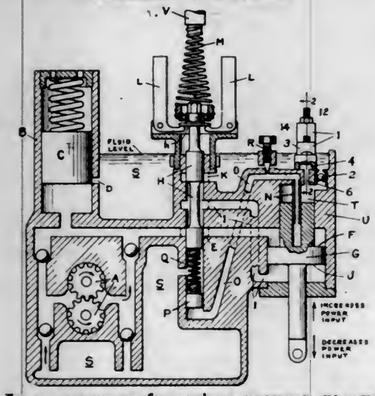
1. In a telephone system, a line, a signal receiver connected to said line for responding to signals each of which consists of a current of a first predetermined frequency characteristic in said line followed by a current of a second predetermined frequency characteristic, said receiver comprising two relays, one for operation in response to that part of a signal which consists of current of said first characteristic, the other for operation in response to that part of a signal which consists of current of said second characteristic, a filter for selectively passing from said line to said one of said relays current of said first characteristic, a filter for selectively passing from said line to said other relay current of said second characteristic, and means for limiting the total current input to said relays to a value sufficient for operating only one of said relays at a time.

2,299,823
ADJUSTABLE SCAFFOLDING
Theodor Charles Juculano and John E. Follett, Oshkosh, Wis.
Application August 14, 1941, Serial No. 406,774
5 Claims. (Cl. 304—1)



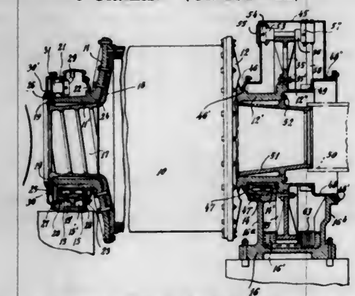
1. A leg cooperable with similar legs in forming scaffolding or the like comprising, a base having a lower leg section extending upwardly therefrom, an upper leg section, one of said leg sections being channel shaped, and the other being T-shaped in cross-section, with the base of the T fitting within the channel of the first section for relative sliding movement, whereby the upper leg section is slidable with respect to the lower leg section, retaining tongues bent inwardly from the sides of the channel shaped leg section into overlapping relationship with the base of the other leg section, means for selectively maintaining the upper leg section in a desired position of adjustment, and means on said leg for supporting portions of connecting beams.

2,299,824
GOVERNOR
Albert Kalin, Cleveland, Ohio
Original application June 2, 1941, Serial No. 396,338. Divided and this application July 24, 1941, Serial No. 403,806
8 Claims. (Cl. 264—3)



1. In a governor for prime movers, means operable to regulate power input to the prime mover, speed responsive means arranged to control the operation of the regulating means, speed changing means operatively associated with the speed responsive means and operable to accelerate and decelerate the prime mover through the agency of the regulating means, and means operatively connected to the regulating means in a manner progressively to retard the rate of operation thereof in a speed increasing direction irrespective of the rate of accelerating operation of the speed changing means beyond a predetermined value.

2,299,825
TUBE MILL
Joseph E. Kennedy, New York, N. Y., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y., a corporation of Delaware
Application July 22, 1940, Serial No. 346,859
5 Claims. (Cl. 184—11)



1. In a support and lubricating means for tube mills including a horizontal axis drum having hollow axial trunnions to rotatably support the drum, a support arranged with a lubricant carrying well and a bearing rotatably engaged by a drum trunnion, said bearing being above the well, a hood mounted on the bearing support having an intermediate wall portion engaging above and spaced from the trunnion and end walls having a liquid tight bearing on the trunnion at the opposite ends of the bearing with the trunnion opening through the outer end wall,

and said hood forming with the support a lubricant carrying housing in communication with the lubricant carrying well in the support, an annular member fixed concentrically on said drum trunnion in the housing with a peripheral portion engaging in the lubricant below the axis of the trunnion and the lubricant by the surface contact thereof with said member adapted to be elevated by the rotation of said member from below to above the axis of the trunnion, and a sweep pivotally mounted in the hood to engage the annular member and wipe lubricant from said member and distribute said lubricant onto the trunnion and bearing.

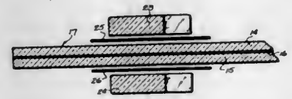
2,299,826
VAT DYESTUFFS OF THE FLUORANTHENE SERIES AND PROCESS OF PREPARING SAME
Walter Kern, Sissach, and Theodor Holbro and Richard Tobler, Riehen, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application August 22, 1939, Serial No. 291,426. In Switzerland August 27, 1938
12 Claims. (Cl. 260—368)

7. Vat-dyestuffs of the general formula

$$R_1—(CO—NH—R_2)_n$$

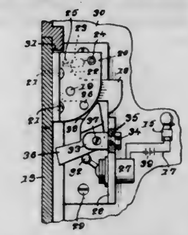
wherein n is at least 2 and at the most 3, R_1 stands for a member selected from the group consisting of the fluoranthene radical and its halogen substitution products, all R_2 stand for radicals of compounds capable of being vatted which contain at least three condensed six-membered carbon rings and at least one carbonyl group the carbon atom of which is a member of a six-membered ring.

2,299,827
PROCESS FOR MOUNTING GLASS PULLS
Melvin C. Koester, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 9, 1939, Serial No. 289,111
2 Claims. (Cl. 49—81.5)



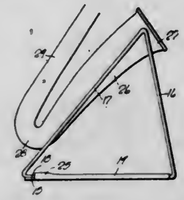
1. The process of mounting glass pulls upon sheets of laminated safety glass, comprising assembling two sheets of glass and an interposed layer of plastic material to form a sandwich, subjecting said sandwich to a preliminary pressing to secure initial adhesion between the glass sheets and plastic interlayer, applying a layer of transparent synthetic resin material to one of the glass sheets, laying a glass pull of relatively smaller area than the sandwich upon said layer of synthetic resin material and applying sufficient pressure thereto to cause it to adhere to the glass sheet, and then subjecting the laminated glass sandwich and glass pull thereon to the direct action of a fluid under pressure to effect the simultaneous bonding of the glass sheets to the plastic interlayer and the glass pull to the glass sheet.

2,299,828
FIRE ALARM SWITCH TRIPPING MECHANISM
Charles E. Koontz, Baltimore, Md.
Application October 16, 1941, Serial No. 415,308
3 Claims. (Cl. 200—54)



1. The alarm switch tripping mechanism for fire alarm boxes comprising an angular bracket secured to the inner face of the outer door of the box, an angular bracket secured to the inner face of an end wall of the box near the door opening of the box, a pivoted spring pressed hook on the first named bracket, a stop below the hook limiting downward movement of the hook, an angular lever pivoted on the second named bracket having one arm extending downwardly and having one arm extending upwardly and provided with a cam surface over which the hook rides to a position in rear of the arm when the door is closed, and an alarm switch having a pivoted switch handle engaging the first named arm of the angular lever, opening of the door moving the hook bodily forward to rock the angular lever and move the switch handle to close the switch.

2,299,829
MUSICAL INSTRUMENT STAND
John F. Feddersen and Dalton Roberts, Elkhart, Ind., assignors to H. & A. Selmer, Inc., Elkhart, Ind., a corporation of Indiana
Application October 3, 1940, Serial No. 359,512
8 Claims. (Cl. 248—174)



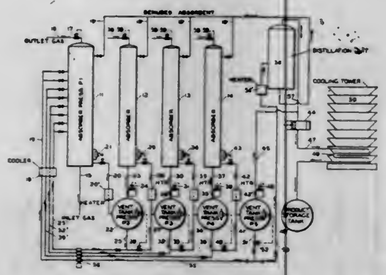
1. A stand for supporting a musical instrument, comprising a panel of rigid material forming a base, a front inclined portion and a rear inclined portion, said panel being foldable along transverse lines between said portions, and means for connecting the opposite ends of said panel when folded in triangular form, said inclined portions having communicating cut-outs therein extending from the upper ends, one of said cut-outs being shallow and the other being vertically elongated, said cut-outs being adapted to receive a portion of a musical instrument in inclined position and supported at least at two vertically spaced points by the edges of said cut-out the major portion of at least said elongated cut-out being wider than said instrument portion, the lower portion of at least one cut-out being narrower than the portion of the instrument bearing thereagainst.

2,299,830

METHOD OF RECOVERING HYDROCARBONS

Harold R. Legatski, Will Swerdloff, and Gerald W. McCullough, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application December 21, 1937, Serial No. 181,053
8 Claims. (Cl. 196—8)



2. The process of treating hydrocarbon gas comprising passing a stream of said gas in countercurrent relation to a stream of denuded absorption liquid in an absorption zone having initial and final points of contact of said streams relative to gas flow, passing liquid effluent of said absorption zone to a second zone wherein ebullition of said effluent takes place, passing liquid effluent of said second zone to a third zone wherein ebullition of said effluent of said second zone takes place, recycling liquid effluent of said second zone to said absorber at an intermediate point in relation to said initial and final points, and recycling liquid effluent of said third zone to said absorber at a point between said intermediate point and said final point.

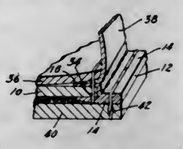
7. The process of treating hydrocarbon gas comprising contacting the gas with an absorption liquid in a first absorption zone, passing the effluent of the first absorption zone through a plurality of ebullition zones in series, passing the vaporous effluent of each ebullition zone to separate reabsorption zones and passing a second absorption liquid through the reabsorption zones in series but in the opposite direction from that of the liquid effluent through the ebullition zones.

2,299,831

SHOE AND SHOE BOTTOM UNIT

Harry Lyon, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application May 5, 1941, Serial No. 391,821
8 Claims. (Cl. 36—17)



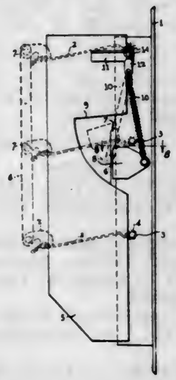
1. A bottom unit for a platform shoe consisting of a middle sole, and a welt extending around said sole, said welt comprising an inner portion secured to the lower surface of said sole and an outer portion disposed outwardly of the edge of the sole and having upper and lower surfaces offset downwardly from the upper and lower surfaces, respectively, of the sole, and said welt having an upturned lip covering the edge of the sole.

2,299,832

LOUVER CONSTRUCTION

Emil A. Mader, Detroit, Mich., assignor of one-half to John Spargo, Detroit, Mich.

Application May 2, 1938, Serial No. 205,553
10 Claims. (Cl. 98—116)



1. In a louver construction, the combination with a frame having an opening for air flow, a set of louvers pivoted on the frame within said opening, and means connecting said louvers for opening and closing travel in unison, of a spring biasing the louvers, and a member rigidly mounted on one of the louvers in proximity to the frame attaching such spring to such louver and overlapping the frame to limit opening travel of the louvers by engagement with the frame.

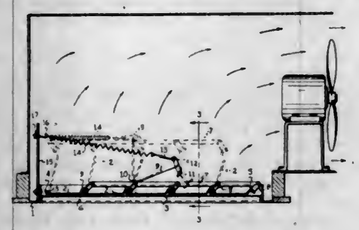
2,299,833

LOUVER MECHANISM FOR ATTIC VENTILATION

Emil A. Mader, Detroit, Mich., assignor of one-half to John Spargo, Detroit, Mich.

Application May 20, 1940, Serial No. 336,179
17 Claims. (Cl. 98—116)

1. A louver mechanism comprising a frame formed with an opening for air upflow, a set of louvers controlling said opening, means pivoting the louvers to swing about parallel axes, a link bar extending above the louvers and interconnecting them for actuation in unison, a coiled spring extending above the louvers and substantially transversely to their pivotal axes, an anchorage for one end of said spring disposed substantially above one end of said frame, a connection from the other end of said spring to said link bar for subjecting the louvers to the spring to facilitate their opening, and a support for said



connection mounted on the frame and applying the pull of the spring to the closed louvers in a substantially upward direction.

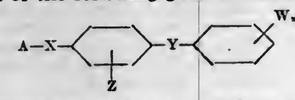
2,299,834

HALOGEN CONTAINING ACYLAMINOSULPHONIC ACIDS AND THEIR MANUFACTURE

Henry Martin and Rudolf Hirt, Basel, and Hans Zaeslin, Riehen, near Basel, Switzerland, assignors to the firm of J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application December 20, 1940, Serial No. 371,053. In Switzerland December 14, 1939
14 Claims. (Cl. 260—507)

8. The halogen-substituted acylaminosulphonic acids of the following general formula



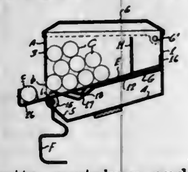
wherein A means the radical of an aminobenzenesulphonic acid connected by means of a nitrogen atom with the group X, X means a member selected from the group consisting of CO and SO_2, Y means a member selected from the group consisting of O and S, W means a member selected from the group consisting of H, Cl, Br, and CH_3, Z means a member selected from the group consisting of H and Cl, and n is one to two, said products being in pure state water-soluble colorless compounds with excellent moth-proofing properties.

2,299,835

COMBINATION CIGARETTE CONTAINER, LIGHTER, AND DISPENSER

Richard Mayer, New Rochelle, N. Y., assignor to Masterbilt Products Corporation, New York, N. Y., a corporation of New York

Application May 5, 1941, Serial No. 391,941
10 Claims. (Cl. 312—86)



1. A cigarette container and dispenser comprising a shell having a front wall, a rear wall, and opposite side walls, the front wall having a mouth-opening and the side walls being outwardly recessed and thereby provided with parallel ways sloping downwardly to said opening, and means including a tray adapted for reciprocation relatively to the shell for dispensing the contained cigarettes successively one by one through said mouth-opening, said tray having tongues working in said ways and comprising a bottom wall normally underlying and providing a longitudinally movable support for the cigarettes contained within the shell, said tray bottom wall shifting under and relatively to the contained cigarettes in and during tray reciprocations relatively to the shell.

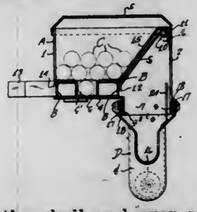
2,299,836

COMBINATION CIGARETTE CONTAINER, LIGHTER, AND DISPENSER

Richard Mayer, New Rochelle, N. Y., assignor to Masterbilt Products Corporation, New York, N. Y., a corporation of New York

Application May 5, 1941, Serial No. 391,943
6 Claims. (Cl. 312—80)

1. A cigarette container and dispenser comprising a shell having a front wall, a rear wall, opposite side walls, and a bottom wall, said side walls in their rear portion and said rear wall having downwardly presented extensions and said bottom wall being reduced in length relative to the length of the side walls and flanged downwardly at its rear margin for co-operation with the extensions of the side and rear walls in the provision of a discharge chute, a tray fixed to and underlying the shell and chute, a slide mov-



able within the shell and over said bottom wall and including members spaced for providing an open channel for receiving the contained cigarettes one by one therebetween from the shell for shifting the same over the shell bottom wall and the chute for movement successively through the chute into the tray, and means for actuating the slide in discharging direction.

2,299,837

POST BRACKET

Richard Mayer, New Rochelle, N. Y., assignor to Masterbilt Products Corporation, New York, N. Y., a corporation of New York

Application May 5, 1941, Serial No. 391,944
3 Claims. (Cl. 248—229)



1. A supporting bracket adapted to be secured to a post including, in combination, a pair of substantially rigid companion clamping arms, means for encircling a post comprising a first strap connected at one end to and extending from one of said clamp arms and provided with a plurality of longitudinally spaced openings, and a second strap connected at one end and extending from the second of said clamp arms and having at its free end a hook extension adjustably receivable in a selected one of said openings, and means engaging said clamp arms for drawing the same together thereby tightening the post encircling means upon the post and securely holding the hook end of said second strap within the selected opening of said first strap.

2,299,838

HOT LINE STICK

John B. Mays, Crossville, Tenn.

Application April 10, 1941, Serial No. 387,949
2 Claims. (Cl. 81—53)

1. A manipulating stick for hot line, eye screw-operated clamps, comprising a handle, a head on one end of said handle, said head embodying an axially positioned tubular socket open at its upper end and provided at diametrically opposite sides with longitudinal slots, a hook normally ac-

commodated within said socket and having portions thereof normally engaging in said slots to retain said hook against rotative movement relative to said socket, a spring mechanism confined within said head and engaged with said hook and normally urging the hook inwardly of said socket; and said hook having a free terminal normally projecting outwardly of said socket through one



of said slots to facilitate initial engagement of the hook with the eye screw of the clamp, said hook being slidable in said slots to withdraw the same out of said pocket in opposition to said spring means and rotatable when withdrawn relative to said slots to seat the same on the outer end of the socket.

2,299,839

POLYMERIC MATERIALS

David M. McQueen, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 25, 1939, Serial No. 296,494

14 Claims. (Cl. 18—48)

1. In a process for decreasing the solubility of a water-soluble synthetic linear polyamide article presenting a large surface area, the step consisting of treating said article with an ionizable salt of a metal falling within groups III to VIII of the periodic table.

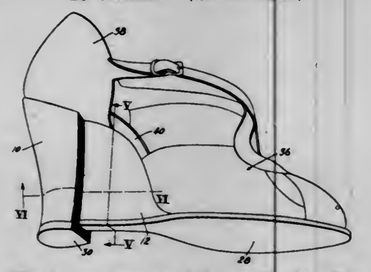
2,299,840

WEDGE HEEL

Frank R. Merritt, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application January 22, 1941, Serial No. 375,387

10 Claims. (Cl. 12—142)



10. That improvement in methods of making wedge heel units which comprises forming a heel portion having a breast face, forming a separate wedge portion having a rear face narrower than said breast face, applying separate coverings to said heel portion and said wedge portion with marginal portions of said coverings overlying said breast and rear faces respectively, assembling said portions with said heel portion projecting laterally beyond said wedge portion at both sides of the latter, and securing the covered heel and wedge portions together for attachment as a unit to a shoe.

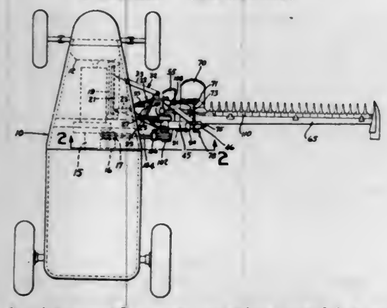
2,299,841

POWER MOWING MACHINE

Amos F. Moyer, Minneapolis, Minn., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn., a corporation of Minnesota

Application March 30, 1940, Serial No. 326,918

4 Claims. (Cl. 56—25)



4. An improved power mowing machine comprising a chassis frame, a swing frame, a universal connection between one end of the swing frame and the chassis frame, deflectable brace means normally holding the swing frame against abnormal backward movement out of a vertical plane of normal movement at right angles to the longitudinal axis of the chassis frame, a sickle bar mowing unit pivotally mounted on the swing frame, the axis of said sickle bar mounting on the swing frame being at right angles to said vertical plane when the swing frame is in normal position, a pitman shaft having a pitman wheel thereon journalled in the swing frame, the axis of said wheel and shaft being at right angles to the vertical plane, drive pulley on the chassis frame the axis of said drive pulley being adjacent the universal connection of the swing frame and perpendicular to the plane of normal movement of the swing frame, a driven pulley on the pitman shaft, and a friction belt mounted for running over the pulleys, each of said pulleys being spaced rearwardly with respect to said plane of normal movement, whereby the distance between the pulleys will be decreased and the belt automatically slipped when the sickle bar and swing frame are deflected backwardly from said normal plane.

2,299,842

POWERED MOWING MACHINE

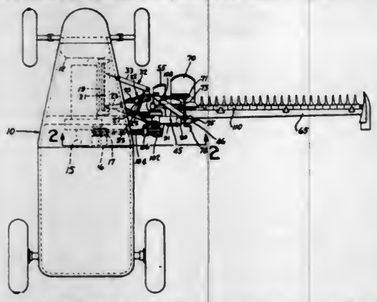
Amos F. Moyer, La Grange, Ill., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn., a corporation of Minnesota

Original application March 30, 1940, Serial No. 326,918. Divided and this application September 5, 1941, Serial No. 409,755

5 Claims. (Cl. 56—25)

1. An improved power mowing machine comprising a chassis frame, a swing frame mounted on the chassis and extending laterally therefrom, said swing frame being mounted on the chassis

for swinging movement upwardly and downwardly about a horizontal axis on the chassis frame and for backward swinging about a vertical axis adjacent the chassis, said swing frame being thus held against twisting movement, power transmitting means including a power shaft extending lengthwise of the chassis, said power shaft having a power drive wheel thereon, a pitman drive shaft rotatably mounted on the extending swing frame, in a position so as to lie parallel to the power drive shaft, a pitman drive wheel on the



pitman shaft and a belt operating on said wheels, the wheels and belt being maintained in proper tension and alignment and the pitman shaft held parallel to the power shaft by the swing frame, a sickle bar, means connecting the sickle bar and swing frame, including a pivot aligned longitudinally of the sickle bar, and means including an adjustment screw connecting the sickle bar and swing frame for varying the longitudinally pivoted position of the sickle bar with respect to the swing frame.

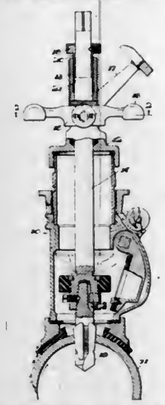
2,299,843

DRILLING APPARATUS

Frank H. Mueller and Walter J. Bowan, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois

Original application July 17, 1940, Serial No. 346,052. Divided and this application December 12, 1941, Serial No. 422,771

4 Claims. (Cl. 77—37)



1. Drilling apparatus comprising a cap including a base having means for engaging the barrel of a drilling machine upon turning of the base relative to the barrel, said means disengaging the barrel upon reverse turning of the base, a threaded neck on said cap, a boring bar rotatable and reciprocable in a bore in said neck, a threaded feed member engaging the threads of said neck, a handle on said member, thrust means between said member and bar, and disengageable means for locking said member and neck together.

2,299,844

PROCESS FOR MANUFACTURE OF BRANCHED CHAIN ALIPHATIC COMPOUNDS

Ernest A. Ocon, Yonkers, N. Y.

No Drawing. Application January 2, 1940, Serial No. 312,027

16 Claims. (Cl. 44—54)

1. The method of converting low boiling straight chain oxygenated derivatives of normal aliphatic hydrocarbons into higher boiling isoaliphatic compounds of higher anti-knock value which comprises contacting a mixture of said oxygenated derivatives, normally gaseous olefins, and a reducing gas composed primarily of carbon monoxide with a dehydrating catalyst at a temperature in the range of 400–1100° F., while maintaining the water vapor content of the reactants below 8% by volume.

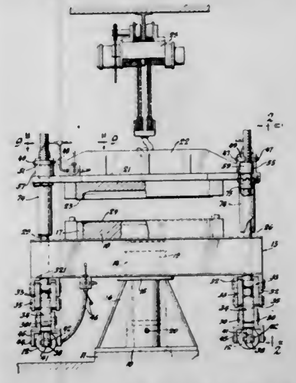
2,299,845

COMBINED TOGGLE AND HYDRAULIC PRESS

John Pawloski, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 29, 1941, Serial No. 376,508

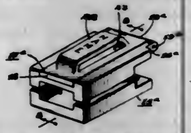
8 Claims. (Cl. 113—38)



1. In a combined toggle and hydraulic press, a fixed lower blank clamping ring member; a reciprocating lower die within said ring member and movable upwardly therein; a vertically movable upper die member into which said lower die enters, and which die member has a clamping ring portion adapted to cooperate with said lower ring member to clamp a sheet metal blank between them; lifting means separate, structurally, from the press, for moving said upper die member away from and for returning it into engagement with the upper end of said lower ring member, to thereby preliminarily clamp a sheet metal blank between the ring portion thereof and said lower ring member; toggle mechanism operated by said upper die member; means associated with said toggle mechanism for increasing the clamping action aforesaid between said upper die member and said lower ring member; a cylinder and means for supplying a liquid under pressure thereinto; and a reciprocating plunger within

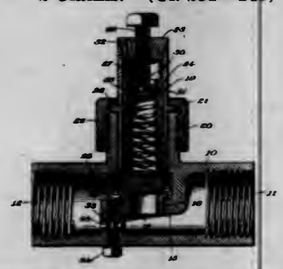
said cylinder and operatively associated with said lower die, and acting to force said die upward and into said upper die member.

2,299,846
PULL TAB FOR SLIDE FASTENER SLIDERS
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application August 24, 1939, Serial No. 291,708
2 Claims. (Cl. 24—205)



1. In combination, a slide fastener slider having a longitudinal recess in the front wing thereof, and a pull tab member hingedly attached to the upper end of the front wing of said slider body, said pull tab member comprising a substantially flat plate-like body flush with the front surface of said slider body and having its ends flush with the ends of said slider body, and an integral forwardly offset longitudinal strap portion concentrically disposed with respect to said body and forming with said body transverse tension means accommodating slots substantially longer than the width of said body.

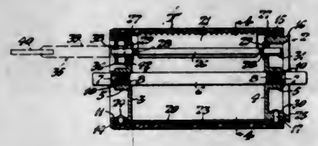
2,299,847
CUTOFF VALVE
Wallace Price, Alice, Tex.
Application July 14, 1941, Serial No. 402,381
2 Claims. (Cl. 251—145)



1. A pressure responsive cut-off valve comprising a casing, a diaphragm in the casing, a tubular valve seat in the diaphragm, a plunger housing extending from the valve casing, a hollow plunger in the housing, a threaded plug closing the outer end of the plunger housing and vented to the atmosphere, a sliding follower in the plunger housing having a vent port, a helical spring confined under tension between the follower and a closed end of the hollow plunger, said closed end forming a plunger valve adapted to seat on the tubular valve seat under urge of said spring, and an adjusting screw engaged through said threaded plug and swivelly connected to said follower.

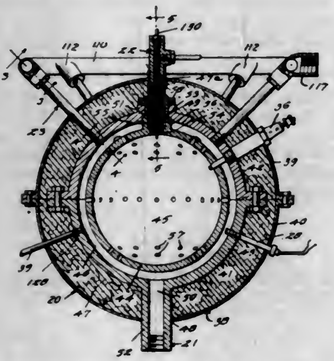
2,299,848
EXPANSIBLE COP HOLDER
Horace H. Raymond, Berlin, Conn., and Royal Little, Providence, R. I., assignors to Atlantic Rayon Corporation, Providence, R. I., a corporation of Rhode Island
Application October 29, 1940, Serial No. 363,272
10 Claims. (Cl. 242—72)

3. In an expansible mandrel or cop-holder, the combination of a supporting structure, a cylindrical sleeve supported from said structure and split longitudinally to adapt it to be expanded circumferentially, an expansion member engaging the split portion of the sleeve and rotatable to expand and contract the latter, a removable key engage-



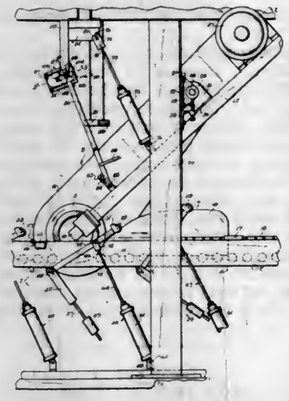
able with said expansion member to turn the latter, and means on the mandrel cooperating automatically with the key to lock the latter to the mandrel when it is turned to contract the expansible sleeve.

2,299,849
STEAM GENERATING PLANT
Thomas J. Rees, Reno, Nev.
Application July 19, 1940, Serial No. 346,438
1 Claim. (Cl. 60—46)



In a steam generator an outer hollow casting forming an expansion chamber of spherical form, an inner hollow casting forming a combustion chamber of spherical form suspended in and spaced equidistant throughout from the wall of the expansion chamber, means for suspending the inner casting from the outer casting, the wall of said combustion chamber being formed with circumferential extending superposed spaced rows of spaced outlet openings opening into the expansion chamber, one of said rows being arranged in proximity to the top and another in proximity to the bottom of the wall of the combustion chamber, that part of the wall of the combustion chamber above said upper row of openings being formed centrally with a threaded opening, that part of the wall of said combustion chamber below the lower row of openings being imperforate, a hollow circular element disposed above and coaxially arranged with said chambers for receiving water, a series of spaced upstanding inwardly inclined ejector nozzles leading from said element connected to the wall of and opening into said expansion chamber for directing water against the wall of the combustion chamber for vaporizing the water, said nozzles providing a supporting means for said element, means connected to said threaded opening for simultaneously supplying fuel to said combustion chamber, a controllable water supply means opening into said element, igniting means within the combustion chamber for combusting the fuel supplied to such chamber, and a combined outlet and energy medium directing means leading from said expansion chamber and aligned with the imperforate part of the bottom of the wall of the combustion chamber.

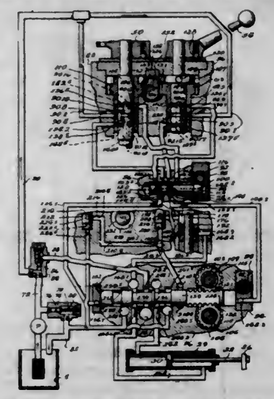
2,299,850
EDGING MACHINE
Conrad B. Schafer, Toledo, Ohio, and Edward Oberstar, Ottawa, Ill., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 15, 1939, Serial No. 309,432
20 Claims. (Cl. 51—74)



1. In apparatus for grinding the edges of sheets or plates of glass and the like, means for supporting the sheet on edge in a vertical position and for carrying the same forwardly in a generally horizontal direction, means mounted above the path of travel of the sheet for grinding the upper edge of said sheet during forward movement thereof, means for mounting said grinding means for free vertical movement so that it can freely follow the contour of the upper edge of the sheet, the weight of the grinding means exerting an initial pressure upon the upper edge of the sheet, and separate pressure means normally ineffective and rendered effective by upward movement of the grinding means for applying increased pressure to said grinding means to urge it downwardly into engagement with the upper edge of said sheet.

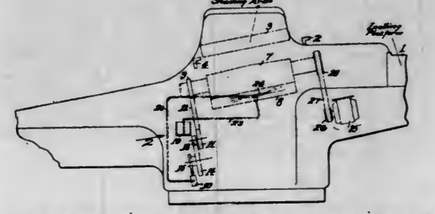
2,299,851
HYDRAULIC CONTROL APPARATUS FOR MACHINE TOOLS
Robert A. Schafer and Ralph Rodal, Richmond, Ind., assignors to National Automatic Tool Company, Richmond, Ind., a corporation of Indiana
Application August 24, 1939, Serial No. 291,656
11 Claims. (Cl. 121—45)

1. In a hydraulic control apparatus for a machine tool which has a hydraulic piston and cylinder for moving a part thereof, the combination of a directional valve for controlling the flow of oil to and from the ends of said cylinder, a pair of pilot valves, each of said valves comprising an actuated element and a follower element, means for moving said follower elements distances proportional to the distance said directional valve is moved, and hydraulic means for moving said di-



rectional valve in response to relative movement of the elements of one of said pilot valves.

2,299,852
LUBRICATOR MECHANISM
Norman M. Shaner and William B. Bardell, Philadelphia, Pa., assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application September 3, 1938, Serial No. 228,338
2 Claims. (Cl. 29—106)

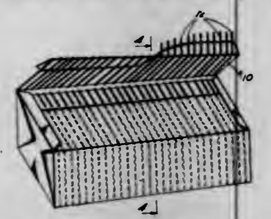


1. In a stereotype plate shaving machine, the combination with a loading platform, a semicylindrical shaving arch having means for holding the plate, a shaving blade rotatable in the arch around the axis thereof, a cam lever, means operated from the shaving knife for periodically moving said lever, a valve for allowing the inlet of a fluid under pressure, said lever operating said valve, a pipe for receiving said fluid, a source of lubricating oil, a pipe extending from the first named pipe into said source, and a nozzle to which the oil will be inspirated by the current of fluid and from which the oil and fluid will be forced against said blade.

2,299,853
DEVICE FOR SLICING SEMIPLASTIC MATERIALS
Bruce K. Slonneger, Cleveland, Ohio
Application August 3, 1939, Serial No. 288,182
6 Claims. (Cl. 31—22)

1. A package construction for a block of soft plastic material comprising a single thread arranged about the periphery of said block in alternate looped portions and intermediate lineal portions, said looped portions being transaxial the block and said lineal portions being parallel the medial axis of the block and a wrapper

folded around said block to restrain movement of the thread around the periphery of the block



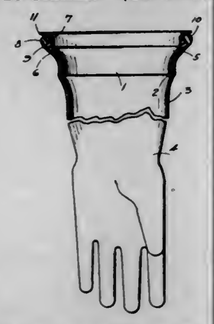
under longitudinal tension applied upon one end of the thread.

2,299,854
TELEPHONE COIN COLLECTOR
Albert K. Smith, West Orange, N. J., and Edwin H. Smythe, Evanston, Ill., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 2, 1941, Serial No. 388,458
5 Claims. (Cl. 179—6.3)



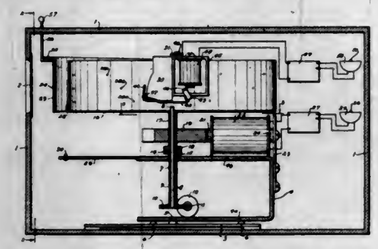
1. In a coin collector housing, a multicoin chute for receiving coins of different denominations, a pair of plates, a separate coin signal mounted on each of said plates for selective actuation by coins traversing said chute, means for supporting each of said plates within said housing to permit the free vibration of each plate when its coin signal is actuated, said pair of plates being spaced from each other, a pick-up transmitter, and means for pivotally associating said transmitter with both of said plates whereby said transmitter responds freely to the vibrations set up in each plate by its associated signal while preventing any substantial transmission of these vibrations to the other plate.

2,299,855
STATIC RING FOR LINEMEN'S GLOVES
Emerson Sterling Smith, Ravenna, Ohio
Application April 10, 1939, Serial No. 267,149
16 Claims. (Cl. 2—168)



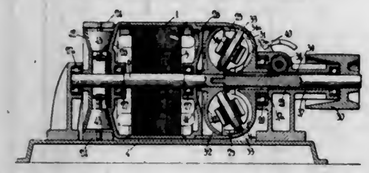
1. In combination with a lineman's rubber glove, a static suppressor comprising a stiff ring-shaped body member of dielectric material over which the cuff of the glove may be stretched and held into operative engagement with the glove by the tension of the rubber, a flared flange on said ring extending outwardly from the glove and furnishing an obstruction to the travel of electricity.

2,299,856
TIMING MECHANISM
Frank C. Smith and Thomas L. Herren, Colorado Springs, Colo.
Application March 24, 1939, Serial No. 263,920
12 Claims. (Cl. 73—52)



1. In timing mechanism, a plurally apertured movable screen, means for moving the screen, means activated by and synchronously with the tick of a watch adapted to modify the movement of said screen whereby to cause the apertures to pass a given point successively in synchronism with the ticks of said watch, an assembly activated by the tick of a second watch and adapted to project, onto said screen, light in flashes synchronously with the ticks of said second watch, said apertures being arranged in a plurality of series respectively coordinated with various standard watch ticks, and means for selectively masking all of said series except that series coordinated with the tick of the first watch.

2,299,857
ELECTRIC MOTOR
Tuomo Tuisku Solness, Epsom, Auckland, New Zealand, assignor to Allspeed Electric Motors Limited, Auckland, New Zealand, a company of New Zealand
Application January 2, 1940, Serial No. 312,162
In New Zealand May 24, 1939
5 Claims. (Cl. 172—239)



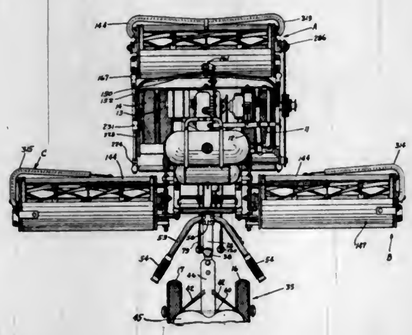
5. An electric motor, comprising rotatable field and armature elements, said elements having cooperating circular grooves at one end thereof, a fixed carrier at the other end of said elements, gearing disposed between and in contact with said elements to maintain constant the relative speed thereof, and comprising friction rollers disposed in said fixed carrier, a second carrier operably connected to and rotatable in either direction by said rotatable elements, additional gearing between said elements comprising inclinable friction rollers disposed on said rotary carrier within said circular grooves and adjustable by externally operable means, means for adjusting said additional gearing relative to said rotatable elements in such manner that the speed of rotation of said carrier is infinitely variable within the limits of rotational speed difference between said rotatable elements and also serving for reversing the direction of rotation of said rotary carrier, and means on said rotary carrier for transmitting torque from said motor.

2,299,858
STAPLE BENDING DIE FOR STAPLE APPLYING INSTRUMENTS
Wendell L. Sorenson, Great Neck, N. Y., assignor to Elvira J. Sorenson, Great Neck, N. Y.
Application December 6, 1939, Serial No. 307,752
7 Claims. (Cl. 1—49)



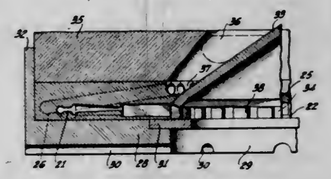
1. In a staple applying device, a pair of pivotally connected levers, each lever having one end arranged as a manipulating hand grip and the opposite end as a staple bending jaw with the top surface arranged to extend at a right angle to the pivot connection of the levers, each jaw having an arcuate inner surface arranged with a staple engaging recess at the top of the jaw of angle form in cross section, the bottom surface of each staple engaging recess extending in the plane of the top surface of the jaw and the side surface of the staple engaging recess conforming substantially to the curvature of the arcuate inner surface of the jaw and extending at an acute angle to said bottom surface and adapted by the staple bending movement of the jaws to urge a staple in said jaw recesses toward the bottom surface of the jaw recesses and retain the staple in said staple engaging recesses of the jaws.

2,299,859
MULTIPLE UNIT POWER LAWN MOWER
Ralph W. Speiser, Minneapolis, Minn., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application September 3, 1940, Serial No. 355,171
24 Claims. (Cl. 56—7)



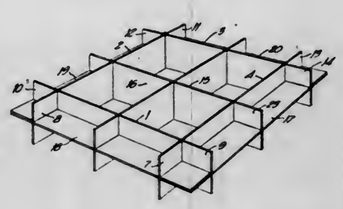
1. A power mower comprising a self-propelled wheel supported frame, said frame being composed of a U-shaped member, a transverse member secured at its extremities to the open ends of said U-shaped member, a longitudinal mid-frame member extending rearwardly from said transverse member, and a plurality of mower units flexibly attached to the frame for movement with the same along an undulating surface.

2,299,860
METHOD AND APPARATUS FOR CENTRIFUGALLY CASTING CORROSION RESISTANT ALLOYS
Shelley M. Stoody and Ralph L. Abos, Whittier, Calif., assignors to Stoody Company, Whittier, Calif., a corporation of California
Application March 17, 1942, Serial No. 435,005
11 Claims. (Cl. 22—65)



8. A mold for centrifugally casting comprising a plurality of segments arranged about a central gate, each segment having a mold cavity formed therein having one or more entrances adjacent its outer end and a riser adjacent its inner end, each segment having passages formed on its sides leading outwardly to points beyond the entrances from the gate, a cone providing a bottom for the gate for directing metal poured into the gate into the passages, said cone being passaged to provide outlets from the risers.

2,299,861
PARTITIONING ELEMENT FOR PACKAGES
Myron S. Strasser, Albany, N. Y.
Application February 21, 1940, Serial No. 320,140
3 Claims. (Cl. 217—30)

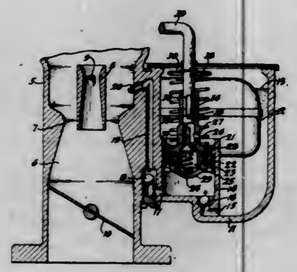


1. In a device of the character described, a plurality of strip elements of a material capable of offering substantial resistance to forces applied edgewise thereto but otherwise easily bendable, said strip elements being interconnected to form a polygonal frame-like member subdivided interiorly into a plurality of open-ended compartments and the ends of said strip elements projecting exteriorly from a side of said frame-like member, and a continuous strip element extending lengthwise of said side of the frame-like element and at an angle thereto with an edge thereof in substantially abutting relation to the said side of the frame member, said continuous strip element having a plurality of slots extending transversely thereof from a side edge and the exteriorly projecting portions of the strip elements forming the sides and partitions of said frame-like member being arranged respectively within said slots whereby the frame-like element along the said side thereof is rendered substantially rigid.

2,299,862
PREPARATION OF VINYL ESTERS
Walter J. Toussaint, South Charleston, and Louis G. MacDowell, Jr., Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application November 18, 1939, Serial No. 305,106
8 Claims. (Cl. 260—410)

1. Process for making vinyl esters from carboxylic acids having at least three carbon atoms which comprises heating an excess of vinyl acetate with said carboxylic acid in the presence of catalytic amounts of a mercury salt of a strong acid, and distilling the reaction mixture to recover the vinyl ester product.

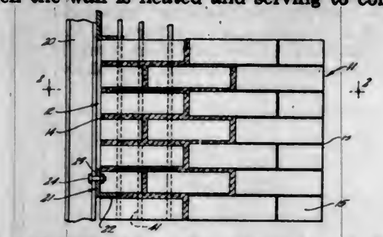
2,299,863
CARBURETOR ACCELERATING PUMP
Milton A. Trisler, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 17, 1940, Serial No. 340,878
1 Claim. (Cl. 261—34)



An accelerator pump for carburetors comprising the combination with a carburetor having a throttle valve, a mixing chamber and a fuel reservoir of a pump chamber whose intake communicates with said reservoir and whose outlet communicates with said mixing chamber, a plunger in said pump chamber having a bypass passage therein leading from said pump chamber to said reservoir, a valve carried by said plunger and controlling flow through said passage, an actuator operable in response to movement of said throttle valve and connected to said plunger by means permitting limited relative movement between said parts and resilient means tending to restrain such movement as the plunger moves inwardly, an extension on said bypass valve terminating near the actuator whereby the bypass valve is actuated by contact between the actuator and the extension upon occurrence of such movement to a predetermined extent.

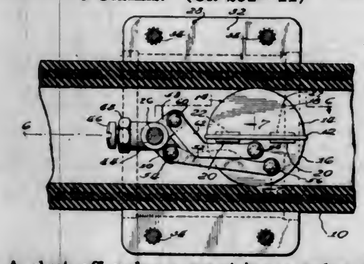
2,299,864
FURNACE WALL CONSTRUCTION
Maury L. Webster, Los Angeles, Calif.
Application October 14, 1940, Serial No. 361,126
4 Claims. (Cl. 72—101)

1. A furnace wall construction having outer common bricks and inner refractory bricks, the common bricks and refractory bricks being arranged in interlocking relationship vertically as well as horizontally, and metal rods extending lengthwise through the common brick portion of the wall adapted to be stretched or expanded when the wall is heated and serving to contract



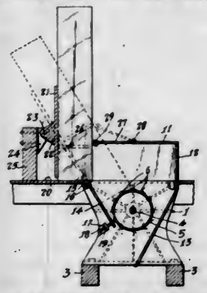
the wall lengthwise upon cooling of the wall to return it to substantially its initial condition.

2,299,865
SHUTOFF VALVE
John B. Whitted, Glencoe, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application May 31, 1941, Serial No. 396,111
6 Claims. (Cl. 251—11)



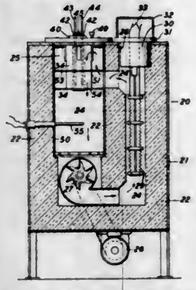
1. A shut-off valve comprising a valve disk of appropriate size to close a conduit in which it is located, a circular vane perpendicular to said valve disk and of slightly smaller diameter than said disk, said vane engageable with the walls of said conduit to position and guide said disk, a control shaft for shifting said valve and vane, a linkage connecting said vane with said control shaft and means for rotating said control shaft.

2,299,866
ICE COMMINUTING MACHINE
Frederick A. Willard, Holtville, Calif.
Application April 22, 1941, Serial No. 389,731
6 Claims. (Cl. 83—63)



1. An ice comminuting machine for comminuting a block of ice of the order of magnitude of a cubic foot or greater comprising a rotatable drum member having a smooth, solid surface adapted to slidably contact said block of ice, means for rapidly rotating said member at a substantially uniform speed, and means for delivering said block of ice against said member, said member having a plurality of cutting teeth thereon, each of said teeth having a laterally extending cutting edge of substantial width arranged parallel with the axis of said drum member, said teeth being arranged in a plurality of transverse rows extending across said surface, with the next adjacent teeth in each said row being spaced apart a distance at least twice as great as the width of one tooth, said teeth also being arranged circumferentially on a helix, the successive teeth of said helix in the direction of motion of said member being laterally staggered substantially the width of one tooth, whereby successive teeth cut overlapping furrows in the ice block and the ice cut by each tooth is discharged laterally from that tooth to one side only into the furrow cut by the tooth ahead.

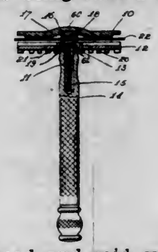
2,299,867
CALIBRATING APPARATUS FOR TEMPERATURE REPORTING DEVICES
Henry M. Wolfson, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 10, 1939, Serial No. 250,129
6 Claims. (Cl. 73—151).



5. In an apparatus for calibrating temperature responsive devices and including a tank to contain a body of fluid heat transferring medium and means to alter the temperature of and to circulate the medium in the tank, a housing in the tank to contain a temperature responsive device to be calibrated, the said housing having a pair of nested containers having ports matchable to admit the medium to be circulated into and out of the housing, and means to move one of the nested containers with respect to the other to move the ports of one container out of matched relation to the ports of the other container to close the ports and isolate a portion of the medium within the housing and thereby maintain the temperature of the isolated portion substantially unchanged.

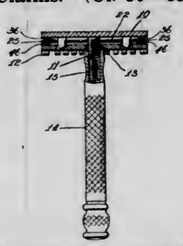
2,299,868
RAZOR
James L. Younghusband, Chicago, Ill.
Application August 18, 1941, Serial No. 407,281
1 Claim. (Cl. 30—70)

A razor comprising a head having a depending screw threaded shank, a guard having an opening to permit said shank to pass therethrough, said head and said guard adapted to hold a blade therebetween, a handle having a screw threaded aperture to engage said screw threaded shank, so that upon said handle being turned in one direction said guard is moved into closed shaving position against said blade and upon said handle being turned in the opposite direction said guard is moved away from said head, said head having on its inner portion a centrally disposed recess, a spring attached to said head within said recess, said guard having on its inner portion a centrally disposed recess, a spring attached to said guard within said recess and positioned opposite to the spring in the recess of said head, said springs directly contacting opposite sides of the blade, said springs of substantially similar size and normally extending outwardly from their respective recesses and toward each other, said springs adapted to be compressed by said head and said guard upon the handle being turned in one direction



to move said head and said guard into closed shaving position, said recesses of sufficient size to accommodate their respective compressed springs and permit said head and said guard to contact the blade, said springs adapted upon said handle being turned in the opposite direction to move said guard and said head away from closed shaving position, to exert substantially similar pressure on the respective opposite sides of the blade to move the blade away from contact with said head and said guard, and to maintain the blade in spaced position between said head and said guard, the edges of said blade remaining flat and unflexed at all times by said springs.

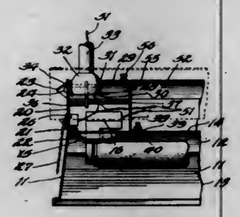
2,299,869
SAFETY RAZOR AND BLADE
James Leslie Younghusband, Chicago, Ill.
Application January 19, 1942, Serial No. 427,213
4 Claims. (Cl. 30—351)



1. A safety razor blade comprising a body portion having a plurality of positioning holes located on a substantially central axis, shaving edges and non-shaving end portions, said end portions having a plurality of spaced cuts extending inwardly from the margins of said end portions to form resilient portions between said cuts, some of said resilient portions bent upwardly from said body portion and some of said resilient portions bent downwardly from said body portion so that said resilient portions are normally expanded with recesses below and above said upwardly and downwardly bent resilient portions respectively, said resilient portions adapted upon receipt of pressure to be compressed into said recesses in substantially the same plane as said body portion, said resilient portions adapt-

ed upon the release of pressure to expand away from the plane of said body portion, said resilient portions characterized by their inner extents being short of said positioning holes and on different axes therefrom.

2,299,870
ELECTRIC FIXTURE
George Arras, Chicago, Ill.
Application March 23, 1940, Serial No. 325,503
11 Claims. (Cl. 240—78)



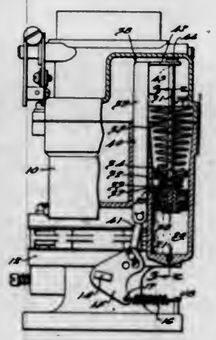
1. A lighting fixture comprising an elongated reflector, means for supporting it in a horizontal position comprising spaced hangers therefor, each hanger comprising a rigid pipe, a swivel connection at the upper end of the pipe, a swivel connection in the top of the reflector at the lower end of the pipe, and means comprising a hood extending between and engaging the lower swivel connections and supported by the reflector for covering the lower swivel connections and having a circular opening larger than each pipe for permitting a limited turning and swinging movement until said covering means is engaged by a pipe in its limiting position.

2,299,871
CUTTING METAL ALLOY
Charles Baird, Ann Arbor, Mich., assignor to Crobalt, Inc., Ann Arbor, Mich., a corporation of Michigan
No Drawing. Application March 31, 1941, Serial No. 386,085
10 Claims. (Cl. 75—171)

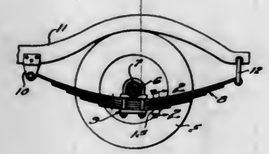
1. A chromium alloy adapted for cutting tools characterized by metal carbides in a non-ferrous metal matrix comprising substantially 15 to 35 per cent chromium, 1 to 4 per cent carbon, 10 to 30 per cent of metal selected from the group consisting of tungsten, molybdenum, and mixtures of tungsten and molybdenum, .01 to 5 per cent vanadium, .01 to 4 per cent of metal selected from the group consisting of zirconium, titanium and mixtures of zirconium and titanium, .01 to 5 per cent iron, and 20 to 60 per cent of non-ferrous matrix forming metal selected from the group consisting of cobalt, nickel, and mixtures of cobalt and nickel, said alloy having longer cutting tool life than the same alloy without vanadium, zirconium or titanium.

2.299.872
CARBURETOR PICKUP SYSTEM
Thomas M. Ball, Detroit, Mich., assignor to Ball & Ball Carburetor Company, Detroit, Mich., a partnership
Application June 4, 1940, Serial No. 338,772
2 Claims. (Cl. 261—34)

1. In a carburetor including a fuel mixture passage having a throttle valve therein and manually operable means for controlling the latter; a pick-up system comprising a liquid fuel chamber, a fuel displacing piston member in said chamber, mechanism operatively connected with said throttle control means for retracting said fuel displacing piston member after a discharge stroke thereof during closing of said throttle including an operating bar and a piston rod having a lost motion connection at one end with said fuel displacing piston member and a lost motion connection at its opposite end with said operating bar, a resilient member bearing between said fuel displacing piston member and an abutment fixed on said piston rod on opposite sides of said lost motion connection, and an actuating resilient member energizable during throttle closing movements bearing upon said abutment in a direction opposite to the action thereon of said first-mentioned resilient member and on the side of said lost motion connection opposite from said fuel displacing piston member for urging the latter through its fuel displacing stroke during throttle opening movements, said first mentioned resilient element being yieldable under the action of said actuating resilient element to accommodate initial relative movement of said fuel displacing member and said mechanism and subsequent unitary movement thereof during throttle opening movements.

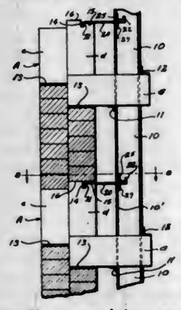


2,299,873
LEAF SPRING
Victor V. Beckel, Ferndale, and William M. Giezen, Monroe, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 3, 1941, Serial No. 391,624
4 Claims. (Cl. 267—47)



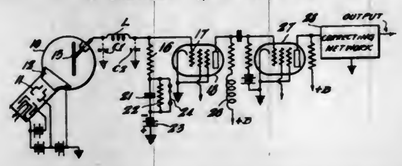
1. In a leaf spring including a plurality of metallic leaves, a separator comprising a fibrous material disposed between adjacent metallic leaves, one of said adjacent leaves having a longitudinally extending groove therein and said separator having a tongue disposed in said groove and cooperating with the wall thereof to oppose relative lateral displacement of said one leaf and said separator, and a metallic strip disposed between said tongue and a wall of said groove, said strip having roughened face portions respectively engaging said tongue and said wall for opposing relative longitudinal movement of said one of said leaves and said separator in response to flexing of said adjacent leaves.

2,299,874
FURNACE WALL CONSTRUCTION
Henry W. Beecher, Seattle, Wash., assignor to Gladding McBean and Company
Application November 4, 1939, Serial No. 302,863
10 Claims. (Cl. 72—101)



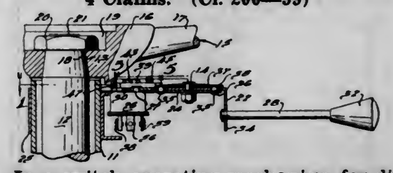
1. A furnace wall comprising an exterior supporting structure, and a refractory lining therefor comprising tile laid in vertically spaced, horizontal courses with filler brick laid upon said courses and filling the space between them, cantilever tile removably mounted in the said frame structure and extended inwardly therefrom and terminating in the refractory lining and supporting, upon their inner end portions the tile of the horizontal courses, and tie rods with outer end portions applied to the frame structure and inner end portions retainingly engaging with tile in the horizontal courses to retain the course against inward tilting.

2,299,875
TELEVISION TRANSMITTER
Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 24, 1940, Serial No. 362,547
5 Claims. (Cl. 178—7.2)



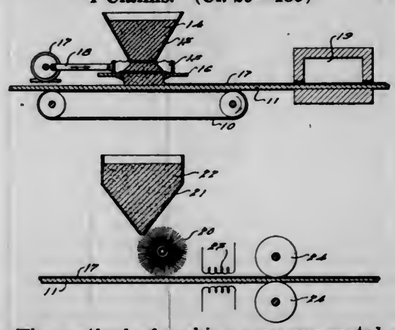
1. Electrical apparatus comprising a signal output device, said device having an output terminal which has unavoidable capacity to ground, an amplifier tube having a control electrode which has unavoidable capacity to ground, an inductance coil connecting said output terminal to said control electrode whereby said coil and said capacities form a filter section, a termination for said filter section comprising a resistor having such high resistance that said section is terminated in an impedance many times its surge impedance whereby the signal output appearing at said control electrode has a resonant peak in the region of its higher frequency components, and means connected in cascade with said amplifier tube to correct for amplitude and phase distortion introduced by said filter section.

2,299,876
DIRECTION SIGNAL SWITCH
George E. Breeze, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 12, 1940, Serial No. 369,791
4 Claims. (Cl. 200—59)



1. In a switch operating mechanism for direction signals, in combination, a double throw switch; lever means for actuating said switch; a pair of stops carried by said lever means; a pair of lugs pivotally and slidably carried by said lever means and engaging said stops; resilient means for urging said lugs against said stops; resilient means for preventing sliding of said lugs; an actuator adapted for movement to engage one of said lugs when the mechanism is in one of its signalling positions; the said actuator being so arranged with respect to said lugs that when moved in one direction it causes the lug to pivot against the resilient means and when moved in the opposite direction it causes the lug to move the mechanism back to neutral position or to slide against said last named resilient means.

2,299,877
METHOD OF MAKING POROUS METAL FRICTIONAL MATERIAL
William G. Calkins, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 10, 1939, Serial No. 303,927
4 Claims. (Cl. 29—189)



1. The method of making a porous metal containing structure which comprises sprinkling by a sifting operation a layer of loosely arranged particles of powdered metals of different melting points on a sheet metal reinforcing backing, simultaneously bonding the particles of powdered metal of higher melting point together and to said backing by heating said backing and layer to a temperature between the melting points of said powdered metal particles while the latter are in a loosely arranged state with substantial

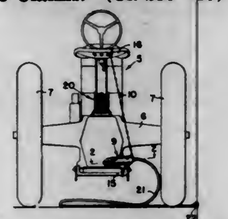
voids therebetween, introducing a friction producing material into said voids, and thereafter applying pressure to the surface of said layer to entrap said material in said voids by at least partial closure of the latter.

2,299,878
JUNCTION BOX
Homer P. Chandler, deceased, late of Mansfield, Ohio, by Lillian C. Chandler, administratrix, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio
Application November 12, 1941, Serial No. 418,748
2 Claims. (Cl. 174—51)



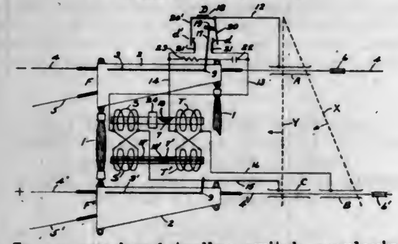
1. In a cable packing gland; a cable within said gland; a first member securable to a housing; a second member threaded to said first member; an internal flange on one of said members; a shouldered sleeve member within said members adapted to engage said flange, said sleeve having an internal flange; a fiber sleeve fitted over said cable, one end of which is adapted to abut the wall of one of said members; a second fiber sleeve over said cable, one end of which is shouldered to engage the internal flange of said shouldered sleeve; said shouldered sleeve member and said fiber sleeves interchangeable with other differently bored sleeves adapted to receive differently diametered cables; a packing element disposed between said sleeve elements; and said packing element adapted to snugly engage said cable when said members are relatively rotated.

2,299,879
TIRE PUMP
Frank T. Court, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application February 14, 1940, Serial No. 318,865
3 Claims. (Cl. 230—39)



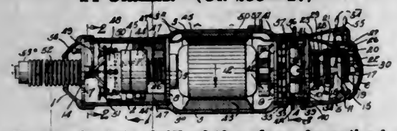
1. For use with a tractor having a power take-off shaft and a spring supported seat, an air pump attachment for said tractor comprising a housing mounted on the power take-off shaft, for support, air compressing means carried by said housing and having driving connection with said power take-off shaft, a flexible securing member fixed to said housing intermediate of its ends, one end of said securing member being adapted for attachment to a rigid portion of the tractor body for holding said housing against rotation in one direction, and the other end of said securing member being adapted for attachment to said spring supported seat in a manner to oppose rotation of said housing in the opposite direction, said spring mounted seat exerting a tension force on said securing member.

2,299,880
TROLLEY SWITCH AND FROG
Leland L. Davis, Kansas City, Mo., assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application November 26, 1940, Serial No. 367,203
5 Claims. (Cl. 191—38)



1. In an overhead trolley switch employing a pair of trolley frogs each provided with a movable tongue adapted to guide a current collector along a main conductor or on to a branch conductor at a turn-out and electrically operated mechanism for each frog including a pair of coils to operate each tongue in opposite directions, the combination therewith of means to control the energization of the coils of said mechanisms including means associated with one frog and operated by the mechanism thereof to alternate the energization of the coils on each frog and also including means to retard the operation of the mechanism associated with said one frog with respect to the operation of the other mechanism.

2,299,881
ELECTRIC DRILL
Max J. Demo, Julian, Calif.
Application April 14, 1941, Serial No. 388,445
14 Claims. (Cl. 255—47)

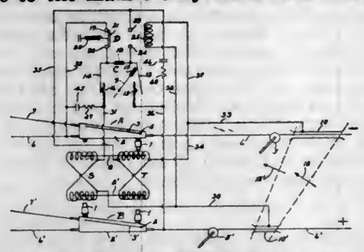


1. In an electric drill of the class described, the combination of a casing, an electric motor in said casing, a hollow rotor shaft for said motor, a tool operating shaft reciprocally mounted in said rotor shaft, a feed screw internally of said tool operating shaft and operatively engageable therewith for longitudinally shifting said tool operating shaft in said rotor shaft, said feed screw provided with a central hollow conductor portion and a pump operated on the outer side of said rotor shaft arranged to force substance through said feed screw.

2,299,882
TROLLEY SWITCH
Ray W. Donaldson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application December 27, 1940, Serial No. 371,910
5 Claims. (Cl. 191—38)

1. In a switching system for a pair of current collectors mounted on a vehicle, in combination a pair of main trolley wires of opposite polarity and a branch wire from each main wire, a trolley frog at the intersection of each main and branch wire to guide a current collector on the vehicle either along the main wire or on to the branch wire, each frog provided with a movable tongue

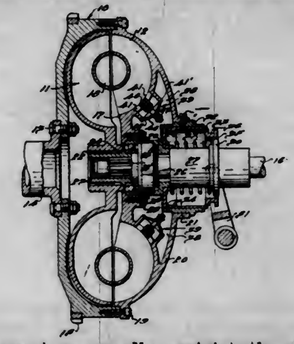
forming guiding means for the current collectors and electrically operated mechanism including a pair of coils adapted to be alternately energized and move each tongue to its opposite positions, circuits connecting the coils to a source of current supply, control means for said coils arranged to be opened and closed by the operation of the electrically operated mechanism in synchronism with the movement of the tongues whereby the said control means opens the circuit to one of the coils of each pair and closes the circuit to the other coil of each pair and vice versa, each main trolley wire having associated therewith a contact device arranged to be engaged by a passing current collector and each device connected to its trolley wire and energized through said engagement, one contact arranged to be engaged by its current collector in advance of the other contact device being engaged by its collector when the vehicle on which the collectors are mounted moves in alignment with or parallel to the main trolley wires and only one contact being engaged at one time, the contacts also being so positioned relatively and longitudinally of each other that both contacts will be in engagement at one time with the current collectors when the vehicle moves at an angle to the main trolley wires as in making a



turn, the contact devices forming a part of the said circuits connected to the coils, an electrically operated relay switch to control the aforesaid circuits and arranged to be normally closed with respect to the circuit to one coil of each frog and opened with respect to the circuit to the other coil of each frog but the operation of the relay switch being reversed when the contact devices are both energized at the same time, the relay switch operating to normally close the circuit to the coils controlling the operation of the tongues to their main line positions and operating to close the circuit to the coils controlling the operation of the tongues to their turn-out positions when both contact devices are energized at one time, the said control means being arranged to close the circuit to the coils controlling the operation of the tongues to their main line positions when the tongues are in the turn-out positions and to close the circuit to the coils controlling the operation of the tongues to their turn-out positions when the tongues are in their main line position, whereby the tongues will be moved to the main line positions when one of the contact devices is energized and moved to the turn-out positions when both contact devices are energized at one time.

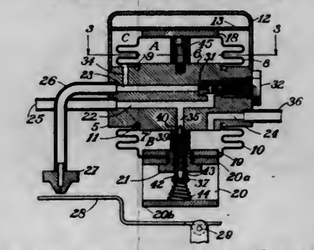
2,299,883
FLUID COUPLING
William T. Dunn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 30, 1938, Serial No. 248,369
8 Claims. (Cl. 60—54)

1. In a fluid coupling, a driving element, a driven element, a fluid circulating chamber enclosed by said elements, a fluid storage chamber carried by said driving member, passages connecting said chambers, cap members seated over



said passages to normally restrict the flow of fluid between said chambers and suction means for unseating said cap members.

2,299,884
RELAY VALVE
Evan A. Edwards, Cambridge, Mass., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application January 9, 1942, Serial No. 426,213
9 Claims. (Cl. 137—153)

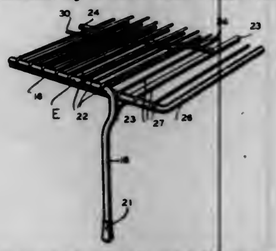


1. In a relay valve, a unit including a body and flexible means providing opposing pressure chambers, means for applying a pressure to said flexible means, a pair of valve seats on said unit defining an inlet port and an exhaust port, means including a pair of closure portions respectively cooperating with said seats to open and close said ports, said closure portions in opening said ports being movable in the direction of flow of pressure fluid therethrough, said flexible means in an intermediate position thereof operating said closure portions to close both of said ports, said flexible means on movement in one direction from said position operating to open said inlet port and to maintain said exhaust port closed while said flexible means on a movement in the other direction from said position opening said exhaust port and maintaining said inlet port closed.

2,299,885
ADJUSTABLE SHELF IN COMBINATION WITH REFRIGERATOR COMPARTMENT
Walter A. Ellsworth and John E. Mills, St. Paul, Minn., assignors to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application April 18, 1941, Serial No. 389,212
7 Claims. (Cl. 211—153)

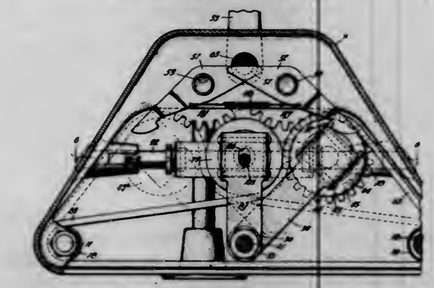
4. An extendible refrigerator shelf including a fixed section and a removable section, said re-

movable section having a pair of depending lugs, said fixed section being provided with a pair of legs mounted on the remote side thereof, said fixed section including a cross rail, said cross rail being adapted to connect said pair of legs and to provide a means by which said removable section



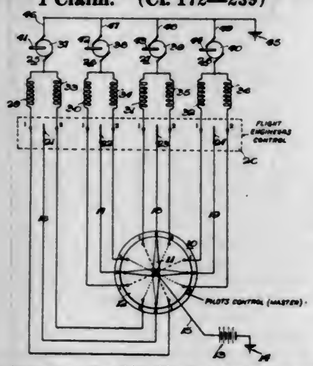
may be telescoped beneath said fixed section, said pair of depending lugs on said removable section being adapted to guard against accidental removal of said removable section by engaging said cross rail, and said removable section being adapted to be entirely removed from said fixed section whenever so desired.

2,299,886
BELT WRINGER
Nicholas L. Etten, Waterloo, Iowa
Application May 5, 1938, Serial No. 206,117
14 Claims. (Cl. 68—267)



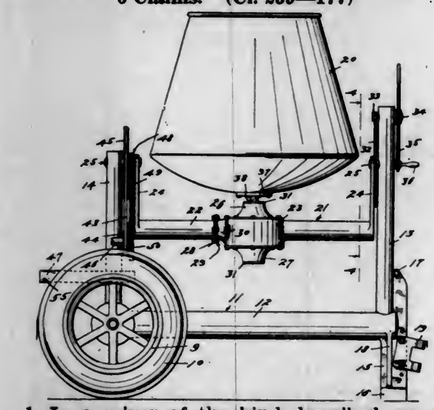
1. In a wringer, an idle pressure roll, a roll shaft therefor rotatably mounted in movable bearings, horizontally movable pressure springs associated with each of said bearings, spring guides for limiting the movement of said springs, manually operable control means for applying initial operating pressure to said springs at either end thereof and in either direction, a driven pressure roll, a roll shaft therefor mounted in movable bearings, means to guide the second roll into either of two limiting positions substantially in horizontal alignment with said idle pressure roll, manually operable roll shifting means associated with the guiding means to move said driven pressure roll from either of said operating positions to the other; means for rotatably driving said driven roll when in one of said operating positions, means for rotatably driving said driven roll in the opposite direction of rotation when in the other of said operating positions, releasable latches adapted to maintain said driven pressure roll in either of said limiting positions, a manually releasable control common to all of said releasable latches, an endless feed belt of elastic material extending substantially horizontally below said idle pressure roll and upwardly between said idle pressure roll and said driven pressure roll, and idler rollers supporting said feed belt.

2,299,887
CONTROLLING SYSTEM
William F. Fell, Trenton, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 21, 1941, Serial No. 394,555
1 Claim. (Cl. 172—239)



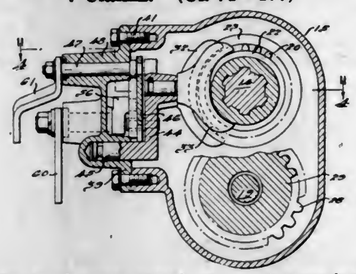
An engine speed adjusting system, comprising a plurality of speed controlling motors, a master speed controlling circuit, a secondary speed controlling circuit, means in said secondary circuit to selectively control the operation of one or more of said motors, means in said master circuit for exerting simultaneous control of all of said motors, and means controlled by said master circuit for preventing independent control of any of said motors by said secondary circuit during simultaneous operation of said motors under the control of said master circuit.

2,299,888
CONCRETE MIXER
Edwin R. Fesenmaier, Morton, Minn.
Application September 8, 1941, Serial No. 409,969
6 Claims. (Cl. 259—177)



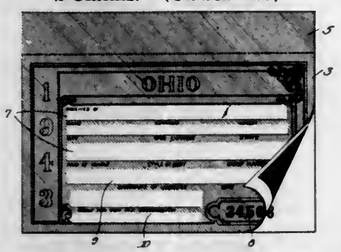
1. In a mixer of the kind described, an axle housing, an axle journaled in the housing, a pair of wheels mounted on the axle, a frame comprising a central longitudinal member rigidly secured at its rear end to the housing, a pair of upright members at the ends of the longitudinal member, a supporting leg on the front end of the longitudinal member, a mixing drum mounted on the frame, flanged collars on the end portions of the axle housing, upright brackets secured to said collars, and a motor or gas engine shelf mounted on said brackets.

2,299,889
REMOTE SHIFT MECHANISM
Otto E. Fishburn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 3, 1941, Serial No. 400,917
7 Claims. (Cl. 74—477)



1. In a change speed power transmission, a pair of members adapted for shifting to establish different speed ratio drives; a pair of pivotally mounted shift yokes engaging said members and adapted for swinging about their pivots to shift the members; a pivotally mounted selector lever adapted for swinging about its pivot into locking engagement with said yokes; a floating shift lever pivotally engaging said yokes, and means pivotally engaging said floating lever adapted for operation to swing said lever about a pivot on the locked yoke.

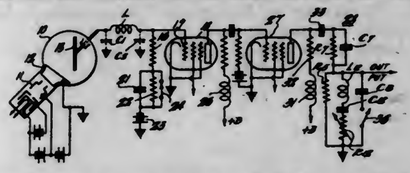
2,299,890
PRINTED FORM
Daniel L. Francescon, Oak Park, Ill., assignor to Columbian Bank Note Company, a corporation of Illinois
Application February 27, 1942, Serial No. 432,546
2 Claims. (Cl. 282—23)



2. A multiple copy set comprising: a plurality of stationery sheets and interleaved transfer sheets bound together at one marginal portion, said top sheet being printed to provide blank areas to receive subsequent inscriptions and having an adhesive coating over all of the face of said top sheet except over said blank areas, and registered indicia printed on the assembled stationery sheets by means of adhesive penetrating ink on the top sheet and by means of the transfer sheets on the underlying sheets.

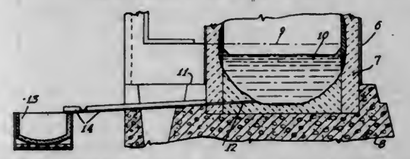
2,299,891
TELEVISION TRANSMITTER
Gordon L. Fredendall, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 24, 1940, Serial No. 362,494
6 Claims. (Cl. 178—7.2)

1. Electrical apparatus comprising a signal output device, said device having an output terminal which has unavoidable capacity to ground, an amplifier tube having a control electrode which has unavoidable capacity to ground, an inductance coil connecting said output terminal to said control electrode whereby said coil and said capacities form a filter section, a termination for said filter section comprising a resistor having such high resistance that said section is terminated in an impedance many times its surge impedance whereby the picture signal output appearing at said control electrode has a resonant peak in the region of its high frequency com-



ponents, and a correcting network connected in cascade with said amplifier tube and designed to correct for amplitude and phase distortion introduced by said filter section, said correcting network comprising a resistor from across which the output signal is taken, means for causing the signal current flow through said last named resistor to increase with increase in signal frequency, and a network connected across said last named resistor for decreasing the output voltage of the correcting network at the frequency of said resonant peak.

2,299,892
METHOD OF AND APPARATUS FOR REMOVING THE MOLTEN METAL OF SALAMANDERS
Frederick H. N. Gerwig, Pittsburgh, Pa.
Application September 16, 1941, Serial No. 410,999
15 Claims. (Cl. 75—41)



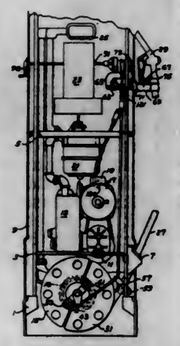
1. A method of removing and conserving the molten metal of a salamander which consists in flowing molten metal of the salamander into a relatively deep receptacle and around aperture-forming devices, permitting such metal to solidify while such devices are in place therein, then employing apertures formed in the solidified metal by such devices as receptacles for explosive material and then detonating such material within such apertures.

2,299,893
PROCESS FOR CONCENTRATING MINERALS
Ernest W. Greene, Plant City, Fla., assignor, by mesne assignments, to Phosphate Recovery Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 18, 1941, Serial No. 383,923
9 Claims. (Cl. 209—166)

1. The process for the concentration of phosphate ore containing silica which comprises, mixing an aqueous pulp of the ore with a reagent of the polypeptide class formed by the action in the presence of an alkali of an acylating agent containing a straight-chain hydro-

carbon group of at least eight carbon atoms on a protein decomposition product of the class consisting of protalbinic and lysalbinic acids, and submitting the thus conditioned pulp to a concentration treatment to separate the phosphate from the silica.

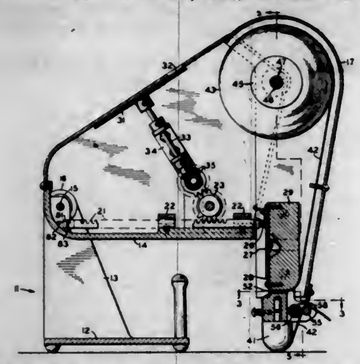
2,299,894
CONTROL MECHANISM FOR LIQUID DISPENSING APPARATUS
Clement P. Griffith, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application May 17, 1939, Serial No. 274,163
11 Claims. (Cl. 221—95)



1. In a liquid dispensing apparatus, a liquid flow line terminating in a hose and a nozzle, means for producing a flow of liquid in said line, a hose storing mechanism mounted for movement to yield or retrieve said hose, a control device movable to different positions to start or stop the flow of liquid in said line, means connecting said storing mechanism with said control device to transmit motion thereto as said storing mechanism moves, a nozzle support mounted for movement to and from nozzle supporting position, means, associated with said nozzle support, constructed and arranged to prevent movement of said control device when said support occupies its supporting position, a resettable register, means for resetting said register to zero indicating position, means to prevent movement of said nozzle support from supporting position and means operable by said resetting means after resetting is completed for withdrawing said preventing means.

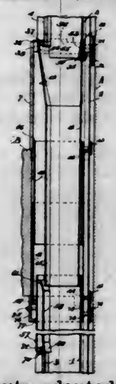
2,299,895
FRICTION TESTING MACHINE
Edwin R. Harrall, Tenafly, N. J., and John P. Reis, Hempstead, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application February 12, 1941, Serial No. 378,516
14 Claims. (Cl. 265—10)

1. A friction testing machine comprising a supporting frame, a depending member pivotally secured to said frame and subject to a load and adapted to rest on and be positioned at a predetermined angle to the surface to be tested, means for moving said member to progressively decrease the angle between said member and said surface, means for indicating the point at which said angle becomes less than the angle of repose of the member on said surface, and means controlled



by the movement of said member for actuating said indicating means.

2,299,896
MAIL CHUTE
John D. Harper, Rochester, N. Y., assignor to Cutler Mail Chute Co., Rochester, N. Y., a corporation of New York
Application October 4, 1940, Serial No. 359,735
12 Claims. (Cl. 193—8)

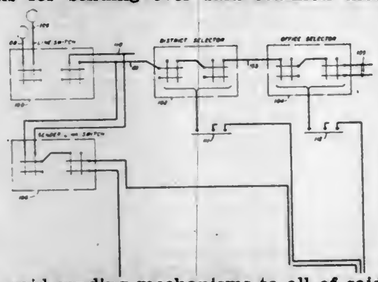


1. In a mail chute adapted to extend through the floors of a building, the combination with suitable wall supports, a tubular floor section, and a ceiling piece and a ceiling piece bracket secured to the wall supports, of an intermediate channel section open at the front but having a closed tubular upper end telescopically cooperating in a letter shedding manner with the lower end of the floor section to permit initial sliding adjustment with reference thereto and also slidably adjustable along the ceiling piece on the exterior, and a displaceable panel closing the front of the intermediate channel section.

2,299,897
SIGNALING SYSTEM
William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 26, 1941, Serial No. 390,456
9 Claims. (Cl. 178—18)

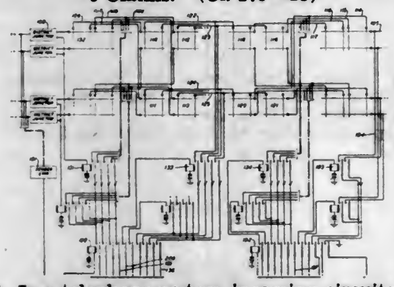
1. The combination in a signaling system of a group of sending mechanisms and a group of receiving mechanisms, each of said mechanisms

having means for registering information therein, a common signaling medium permanently connecting all of said sending mechanisms with all of said receiving mechanisms, means for seizing said sending mechanism for use, means for causing each one of said sending mechanisms taken in use to seize any idle one of said receiving mechanisms, means for producing signaling currents, one for each of said receiving mechanisms, each of said currents having a different characteristic, means for sending over said common medium



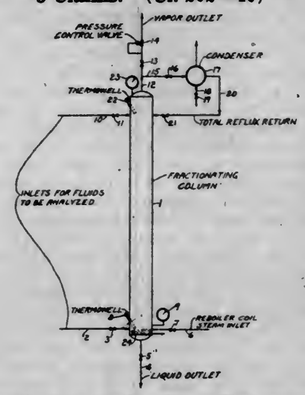
from said sending mechanisms to all of said receiving mechanisms the signal currents characterizing respectively the seized receiving mechanisms to transfer the information registered in the respective associated sending mechanisms, and means in each receiving mechanism for selecting from said common medium the signaling current of the corresponding characteristic to register therein the information transferred from the associated sending mechanism.

2,299,898
TELEPHONE SYSTEM
William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 16, 1941, Serial No. 415,226
6 Claims. (Cl. 179—18)



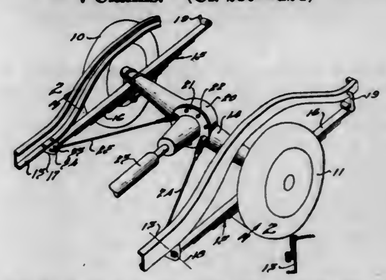
1. In a telephone system, incoming circuits and outgoing circuits, a plurality of channels each comprising a plurality of sections for connecting an incoming circuit to an outgoing circuit, a test conductor for each of said channel sections, means for marking said section test conductors as busy or idle, and means for testing each channel comprising means for connecting the test conductor of each channel section to a unidirectional current carrying device, the devices connected with sections of the same channel being arranged to be conductive in the same direction and connected in multiple to a channel test conductor, gas-filled tube means connected to said channel test conductors, means to supply starting potential to said gas-filled tube means when all sections of the channel are marked idle and means to selectively operate said gas-filled tube means to identify an idle channel.

2,299,899
METHOD OF ANALYZING VOLATILE MIXTURES
Glen S. Houghland, New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application October 5, 1940, Serial No. 359,834
5 Claims. (Cl. 202—40)



1. A method of determining the amount of a minor constituent in a mixture of distillable substances, said constituent boiling substantially at one extreme of the boiling range of said mixture and having a boiling point close to that of the constituent boiling next within said extreme, which comprises introducing a fluid stream of said mixture into one end of an elongated countercurrent contacting zone of known contacting efficiency, causing said stream to flow to the opposite end of said zone, altering the temperature of said stream at said opposite end to convert it completely into a different fluid phase, causing the whole of the changed phase stream to flow back through said zone in countercurrent contact with the original phase stream, and then withdrawing said changed phase stream from said zone, whereby the pressure and temperature of either of said flowing streams at any point in said zone are made joint indices with the efficiency of said zone of the amount of said minor constituent in said mixture and measuring the temperature and pressure at some point in said zone.

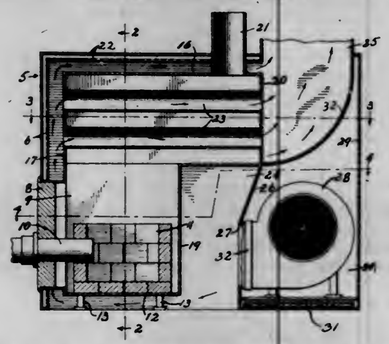
2,299,900
MOTOR VEHICLE
Clifford C. Jackson, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 11, 1940, Serial No. 313,347
7 Claims. (Cl. 280—124)



1. In a motor vehicle, a load-carrying structure adapted to be yieldingly supported, an axle

extending transversely of the vehicle, ground wheels carried by said axle at opposite sides of the vehicle, a longitudinally extending leaf spring assembly at each side of the vehicle secured to said axle, each of said spring assemblies being shackled at one end thereof to said load-carrying structure and connected at their other ends to said load-carrying structure for pivoting on axes extending transversely of the vehicle, said leaf spring assemblies acting normally through their longitudinal flexing to support the load-carrying structure vertically on said axle and having the tendency to flex laterally in accommodating lateral oscillation of said load-carrying structure relative to said axle, a flexible control cable adapted to connect said axle with said load-carrying structure and being so constructed and arranged as to dampen tendency of the load-carrying structure to oscillate laterally when one of said wheels is displaced vertically relative to the other, means connecting the rear end of said cable with said axle at the transverse mid-region of said axle, said cable extending obliquely of the vehicle, forwardly and laterally outwardly from its said connection with said axle, for connection at its front end with said load-carrying structure in association with one of said spring pivots, means connecting the front end of said cable with said load-carrying structure in sufficiently close proximity to the pivot axis of the last said spring pivot so as not to interfere with desired free swing of said axle incident to equal rising and falling movements of both of said wheels together, and means acting to maintain said cable under predetermined tension when the vehicle is at rest on a level roadway.

2,299,901
HOT AIR FURNACE
James O. Johnston, St. Petersburg, Fla., assignor to City Fuel Oil and Coal Company, St. Petersburg, Fla., a corporation of Florida
Application July 24, 1940, Serial No. 347,316
2 Claims. (Cl. 126—110)



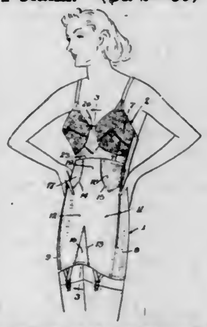
1. A hot air furnace comprising a casing having a forward compartment and a rear compartment and a partition therebetween, an inverted L-shaped heater in, and spaced from the walls of, the forward compartment, an outlet opening from the rear compartment to the forward compartment and in position to deliver air to the lower end of the heater, the heater including a combustion chamber in position to have its walls contacted by air from the opening, the heater having front to rear heater tubes, partition means for confining the movement of air to pass around the combustion chamber walls and upwardly to the forward ends of the heater tubes and forward portions of the spaces at the sides of the heater and a conduit means in the rear chamber for delivery of the air from the rear ends of the heater tubes and the spaces around the heater.

2,299,902
BOTTLE BREAKER
Myron H. Johnstone, Cicero, Ill.
Application September 12, 1939, Serial No. 294,528
6 Claims. (Cl. 83—93)



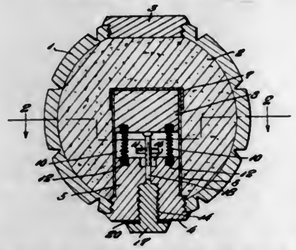
2. A bottle breaker comprising a neck-expanding flat blade having convergingly related side edges adapted to exert destructive expanding force in the neck of a bottle forced down about the blade, a base disc connected to the long end edge of the blade, a casing for the blade comprising a side wall for enclosing the blade and having an open top and a lower edge seated on the marginal edge of the base disc, and a bottom cap for the casing secured thereto and holding the disc against said casing edge.

2,299,903
CORSET
Mack Kahn, Cedarhurst, N. Y., assignor to Artistic Foundations, Inc., New York, N. Y., a corporation of New York
Application July 20, 1940, Serial No. 346,537
1 Claim. (Cl. 2—30)



A corset, including a substantially rectangular non-elastic front structure extending from the bottom of the garment to a short distance above the waist line, a substantially rectangular shaped notch at each corner of the top, side panels elastic circumferentially of the garment extending from the bottom thereof to a point substantially above the front panel at the front and sloping downwardly toward the rear, said side panels being fastened at their edges to said front panel, substantially rectangular panels elastic circumferentially in said notches in the front panel and engaging said side panels, a rear panel elastic longitudinally of the garment fastened to said side panels from a point slightly below the waist line to the bottom of the garment and converging inwardly from said point to the top of said panel slightly above the waist line of said garment, elastic panels elastic circumferentially of the garment connecting said converging edges and said side panels, a brassière section having breast pockets, said breast pockets having their side edges engaging the side panels at the front thereof, an elastic panel stretchable circumferentially of the garment below said breast pockets and adapted to be slidably fitted under the top portion of the front panel and having a non-elastic portion extending between and connecting said breast pockets.

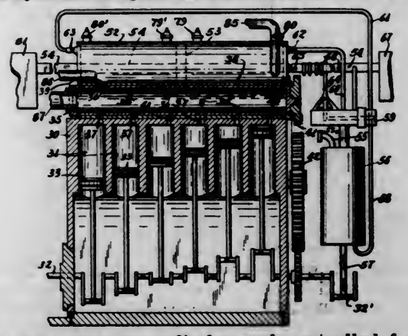
2,299,904
HAND GRENADE
George Keeling, Ithaca, N. Y.
Application October 7, 1941, Serial No. 414,017
2 Claims. (Cl. 102—64)



1. A hand grenade comprising a shell for the reception of an explosive, a plug threadedly mounted in said shell, a cylindrical chamber mounted in the shell on said plug, firing pins mounted on the plug, a detonating medium slidably mounted in the chamber and engageable with the firing pins, resilient means yieldingly holding the detonating medium out of contact with the firing pins, and means on the plug for positively spacing the detonating medium from the firing pins, the last-named means including a screw threadedly mounted in the plug, and a pin on said screw extending into the chamber and engaged with the detonating medium.

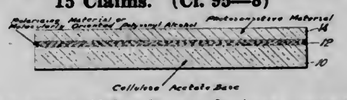
2,299,905
INTERNAL COMBUSTION ENGINE
Patrick James Kennon, Bronx, N. Y.
Application March 26, 1941, Serial No. 385,266
12 Claims. (Cl. 60—15)

1. An engine, comprising a housing having cylinders, a rotative crank shaft within said housing, pistons connected with said crank shaft and working in said cylinders, a supply container for gases under pressure and having inlet ports connecting with the tops of said cylinders, a valve device controlling said inlet ports, an exhaust container for exhaust gases and having exhaust ports connecting with the tops of said cylinders, a valve device controlling said exhaust ports, a high pressure cylinder for combustible gases, a piston floating in said high pressure cylinder, a piston rod connected with said piston in said high pressure cylinder and extending from the ends of said high pressure cylinder, a combustible fuel supply connected with the ends of said high pressure cylinder, means for leading fuel from said supply into one end or the other end of said high pressure cylinder, an ignition system for igniting said fuel in said ends of



said high pressure cylinder and controlled from one end of said piston rod, and a control device for connecting high pressure gases from the ends of said high pressure cylinder with said supply container.

2,299,906
LIGHT-POLARIZING MATERIAL COATED WITH A PHOTOSENSITIVE LAYER
Edwin H. Land, Boston, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application May 27, 1939, Serial No. 276,231
15 Claims. (Cl. 95—8)



1. As a new article of manufacture, means providing a dichroic light-polarizing surface and a coating thereon of photosensitive material.

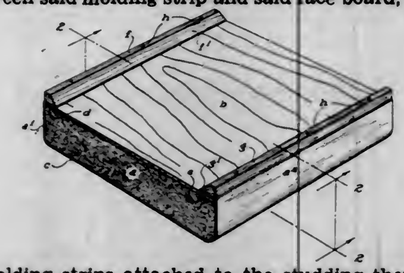
2,299,907
EXPLOSIVE CHARGE FOR OIL WELLS
Walter Eastby Lawson, Woodbury, N. J., and Clifford Akeley Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 18, 1939, Serial No. 290,785
13 Claims. (Cl. 52—5)

1. An explosive charge adapted for use in wells, comprising a water soluble inorganic salt, dispersed in a liquid explosive nitric ester present as a continuous flowable liquid phase said charge being free from absorbents the entire composition being in flowable form.

2,299,908
INSULATING BLOCK
Homer E. Leash, Portland, Oreg.
Application March 5, 1940, Serial No. 322,329
2 Claims. (Cl. 20—4)

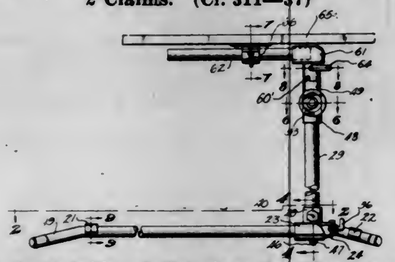
1. In a wall having spaced studding, an insulating block, said block comprising a wooden face board, the width of said face board corresponding substantially to the space between adjacent studding, an insulating body composed of a mass of wood shavings stuck together in spots and slightly compressed into block form, a binder sheet covering the rear face of said block body and extending around two sides of said block body, the

ends of said binder sheet slightly overlapping said face board at two side edges, molding strips attached in front of said face board at two side edges, the ends of said binder sheet secured between said molding strip and said face board, said



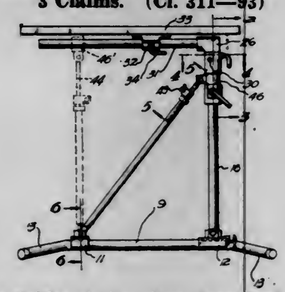
molding strips attached to the studding thereby holding said block in place, and said face board and molding strips constituting a panelling within the space between the studding.

2,299,909
FOLDABLE TABLE
Theodore G. Linderme, Detroit, Mich.
Application February 14, 1940, Serial No. 318,880
2 Claims. (Cl. 311—37)



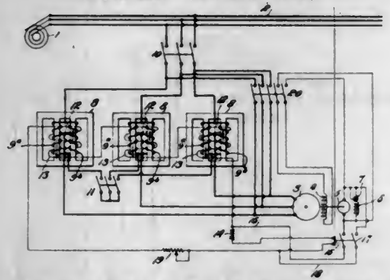
1. In a table of the class described, a supporting bed; a carriage slidably mounted on said bed; a standard swingably connected at its lower end to said carriage and adapted when swung to inoperative position for lying parallel to and in close relation with said bed and when swung to operative position for projecting upwardly from said bed; and a cam mechanism operative upon swinging of said standard to operative position for securing said carriage against slidable movement relatively to said bed.

2,299,910
FOLDING TABLE
Theodore G. Linderme, Detroit, Mich.
Application September 26, 1940, Serial No. 358,507
3 Claims. (Cl. 311—93)



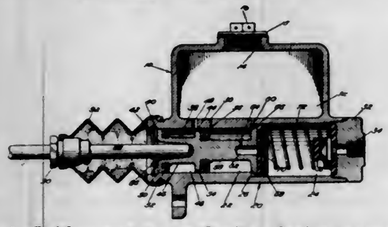
1. In a table of the class described, a base; a supporting standard mounted on said base and projecting upwardly therefrom, comprising an upper and a lower section arranged in telescopic rotative relation; means for securing said sections in fixed relation at various positions of telescopic movement and rotative movement; a table top supported on the upper of said sections; a brace comprising an upper and a lower section arranged in telescopic relation; means for connecting the upper end of the upper section of said brace to the upper section of said standard; means for securing said brace sections in fixed relation to each other at various positions of telescopic movement; and means for connecting the lower end of the lower brace section to said base for universal movement relatively thereto.

2,299,911
MOTOR STARTING APPARATUS
Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application August 16, 1939, Serial No. 290,361
2 Claims. (Cl. 172—289)



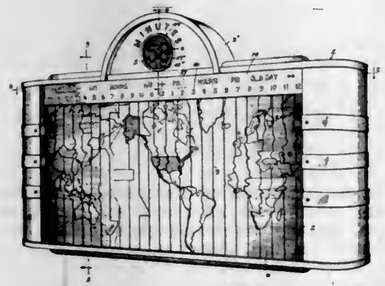
1. The combination with a synchronous motor of starting means therefor comprising an auto-transformer having a tap, means for energizing the motor from a source of alternating current through the auto-transformer, means for changing the auto-transformer to a reactor for increasing the speed of the motor, a control winding for changing the reactance of the reactor, a direct current exciter driven by said motor, means for supplying a gradually increasing current from said exciter to said control winding when said transformer is used as a reactor and thereby further and gradually increasing the speed of the motor, and means for disconnecting said control winding from said exciter and for connecting the field winding of said motor to said exciter in passing to running conditions.

2,299,912
COMPOUND MASTER CYLINDER
Erwin F. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application February 7, 1940, Serial No. 317,778
9 Claims. (Cl. 60—54.6)



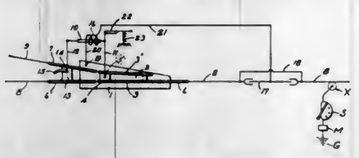
1. A fluid pressure producing device comprising a reservoir, a cylinder supplied therefrom having a small chamber and a relatively large chamber forward of and in communication with the small chamber, said large chamber having a discharge port, a piston movable in the cylinder having heads complementary to the chambers, the piston head in the large chamber having a restricted passage therethrough for flow of fluid from the large chamber to the small chamber during movement of the piston on its compression stroke, and means for drawing fluid from the reservoir into the small chamber during initial actuation of the piston, said restricted passage adapted to provide a constantly open communication between the chambers.

2,299,913
WORLD CLOCK
Maud Mae Clough, New York, N. Y.
Application August 2, 1940, Serial No. 349,703
19 Claims. (Cl. 58—44)



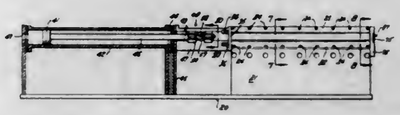
1. A world clock including a casing having a window, a map of the world positioned to extend across said window, rows of lamps positioned in said casing in back of said window for illuminating said map, means automatically functioning to turn on and off current to said rows of lamps in succession, said means functioning each hour so as to give the semblace of the lumination of the map as moving westward at the rate of speed of the rotation of the earth, and an hour tape positioned to move along the upper edge of said map.

2,299,914
TROLLEY SWITCH AND SWITCHING SYSTEM
Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application February 3, 1941, Serial No. 377,150
16 Claims. (Cl. 191—38)



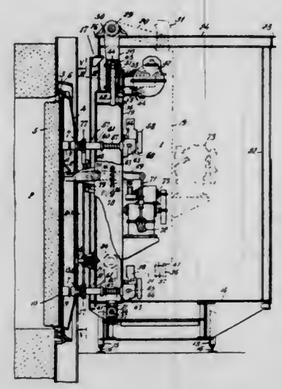
1. An overhead trolley frog comprising in combination, a pan, a tongue movably mounted on the pan to guide a passing current collector on a vehicle in either of two directions, means on the pan to attach overhead conductors thereto, electrically operated mechanism including a coil to actuate the tongue to one position when the coil is energized, and mechanical means to return the electrically operated mechanism to its prior position when the mechanical means is engaged by the current collector.

2,299,915
GEAR CUTTING APPARATUS
Raymond L. Mattson, Detroit, Mich.
Application February 20, 1939, Serial No. 257,297
8 Claims. (Cl. 90—10)



1. In a gear cutting apparatus, a plurality of elongated broaches, said broaches having cutting elements arranged to project laterally into a rectilinear path of travel of a gear blank to be cut and arranged for successively and uniformly cutting away the material of the gear blank to provide gear teeth on the external periphery of the blank, a movable carrier for the gear blank and arranged to move longitudinally of the broaches, power means to move said carrier, an arbor carried by and rotatable relative to said carrier and on which the gear blank is mounted to rotate therewith, a gear rack, gear means carried by said carrier and cooperable with said rack to rotate said arbor and blank on travel of the carrier during the cutting operation and guide means for said carrier and preventing rotation thereof.

2,299,916
DOOR MACHINE
Charles V. McIntire, Short Hills, N. J., assignor to Semet-Solvay Engineering Corporation, New York, N. Y., a corporation of New York
Application August 2, 1940, Serial No. 349,805
11 Claims. (Cl. 212—4)



1. A door handling machine comprising in combination supporting means, a carrier rotatably mounted on the supporting means, door engaging means on the carrier, means for moving the supporting means and carrier in an arcuate path from a position in which the door engaging means engages a door in closing position, upwardly and outwardly away from said closing position, and means for rotating said carrier and door when moved into the upward and outward position.

2,299,917
SULPHUR COMPOSITION
Forest R. Minger and Wayne L. Scoles, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 2, 1941, Serial No. 386,500
8 Claims. (Cl. 167—20)

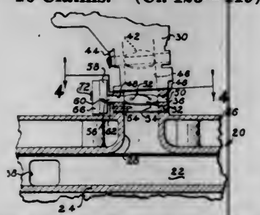
8. A method for activating finely-divided sulphur compositions comprising mixing a minor proportion of a partially bacteria-digested sewage sludge therewith.

2,299,918
DIRT TAMPER
Emile W. Moellenkamp, Shreveport, La.
Application August 29, 1941, Serial No. 408,862
8 Claims. (Cl. 94—49)



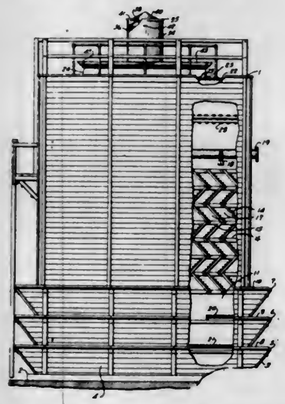
1. A tamping tool of the class described, comprising a tamping head, a longitudinal core member extending upwardly from the tamping head, one end of said core member being provided with a hinging means for hinging the core member to the tamper head, a casing means surrounding said core member and resting on said tamping head, and a yieldable clamping means connected to said core member in a manner to push the said casing means down on the said tamping head to offer resistance to a tilting motion of the tamping head and to right the tamping head to its normal position.

2,299,919
AUXILIARY THROTTLE VALVE
Meade F. Moore and Floyd F. Kishline, Kenosha, Wis., assignors to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application July 28, 1941, Serial No. 404,292
16 Claims. (Cl. 123—119)



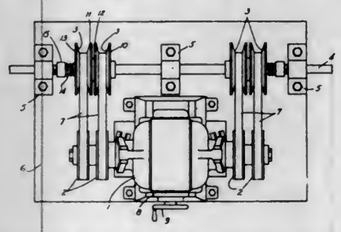
1. In combination with a manifold for an internal combustion engine, means defining an inlet to said manifold, an unbalanced valve positioned in said inlet, means biasing said valve toward closed position, and inertia means for impeding movement of said valve and biasing means either toward open or closed position of said valve.

2,299,920
COOLING TOWER
Robert D. Moore, Kansas City, Mo., assignor to J. F. Pritchard and Company, Kansas City, Mo., a corporation of Missouri
Application August 22, 1940, Serial No. 353,598
7 Claims. (Cl. 261—30)



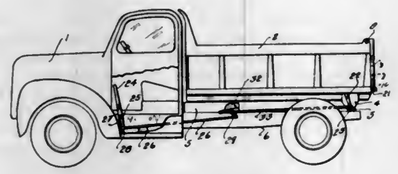
1. In an apparatus of the character described, a tower having an inlet and an outlet, ducts mounted on the tower and spanning the outlet, said ducts having openings spaced from said tower outlet, means for spraying fluid to be cooled in said tower, means for inducing a draft of air from the inlet to the outlet through said fluid spray for cooling the same, said means being arranged adjacent the outlet of said tower on the ducts and having communication therewith, and means for drawing air from points without said induced draft through the ducts to dry air cool said draft inducing means.

2,299,921
VARIABLE RATIO TRANSMISSION MECHANISM
Thomas G. Myers, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Application October 4, 1938, Serial No. 233,212
21 Claims. (Cl. 74—230.17)



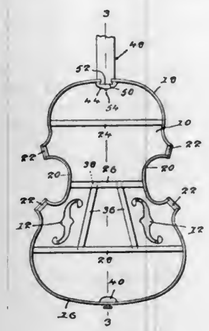
1. In a variable ratio transmission mechanism, a pair of pulley structures, a belt connecting the structures, one of said structures having a pair of relatively axially movable pulley sections with opposing inclined belt engaging faces, forming by axial relative adjustment, variable effective pulley diameters, means for varying the center distance between the structures, and means for increasing the effective diameter of said variable diameter pulley structure as the center distance is increased.

2,299,922
ENDGATE CONTROL FOR TRUCK BODIES
Edward T. Newell, Portland, Oreg.
Application April 29, 1941, Serial No. 390,986
6 Claims. (Cl. 298—23)



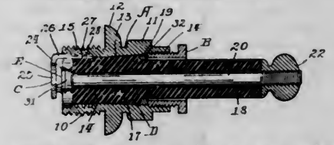
1. An end gate control for dump bodies, comprising latches for holding the gate in closed position, linkage connected to the latches for operating the same, a lever for operating the linkage and means to compel movement of the linkage in response to lever movement, said means including a pivoted bell-crank to which the linkage and lever are connected, the linkage-end of the bell-crank lever being movable from above the dead center line position of the bell-crank to a position below such dead center line position, and a stop positioned to limit movement of the bell-crank to a predetermined position below its dead center line, the linkage when the bell crank is above its dead center line acting to move the latches to release position, and when in a position responsive to a movement of the bell-crank below its dead center line position acting to move the latches into locking positions.

2,299,923
MUSICAL INSTRUMENT
Otis D. Nall, Molino, Fla.
Application December 6, 1941, Serial No. 421,984
3 Claims. (Cl. 84—267)



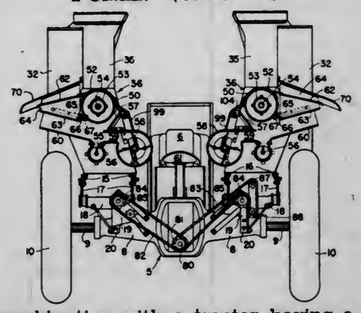
1. A guitar comprising a front and a back, front and back side means connecting the front and the back, center side means connecting the front and the back, corner blocks connecting the center side means with the respective front and back side means, blocks respectively secured to said front and back side means, a finger board structure having a neck, a dovetail connection between said neck and said front block, a key pin connecting the neck with said front block, a key pin connecting said first-mentioned key pin with said front block, and a key pin connecting said first-mentioned pin with said neck.

2,299,924
SPARK PLUG
Frederick A. Ost, Los Angeles, Calif.
Application April 11, 1941, Serial No. 388,029
7 Claims. (Cl. 123—169)



1. A spark plug, comprising an outer electrical conducting shell having an inner longitudinal tapering shoulder, an insulating core having a corresponding outer tapering shoulder adapted to seat against said inner shoulder, a bushing threaded in said shell adapted to force said core longitudinally with its tapering shoulder tightly and immovably seated against the tapering shoulder of said shell, an electrical conducting spindle extending longitudinally through said core having a spark gap terminal on its inner end, and a spider frame having a spark gap terminal in juxtaposition to said spark gap terminal on said spindle and supporting means therefor forming an electrical conductor adjustably secured between and in contact with the adjacent surfaces of said core and shell to vary the gap between said spark plug terminals and electrically connect the spark gap terminal of said frame with said shell.

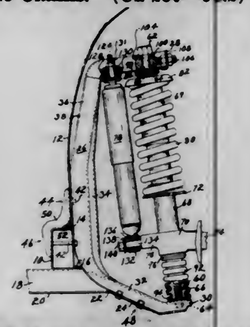
2,299,925
TRACTOR MOUNTED PICKER-SHELLER
Louis A. Paradise and Wilbur J. Coultas, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 2, 1941, Serial No. 372,700
1 Claim. (Cl. 56—18)



In combination with a tractor having a body including a pair of laterally extending axle housings carried on a pair of rear traction wheels, respectively, a pair of longitudinally extending implement frames disposed along opposite sides of said tractor and pivotally supported on said rear axle housings for vertical swinging movement, a pair of snapping rolls on each of said frames near the forward ends thereof, a conveyor extending rearward from each of said pairs of snapping rolls, a corn sheller mounted on the rear of each of said frames above said rear axle housings and disposed to receive ears of corn from the respective conveyor, each of said corn shellers including a shelling cage with a rotor journaled for rotation therein about a fore and aft extending axis, a trough disposed below each shelling cage for catching shelled kernels, means for discharging kernels of corn inwardly toward the center of the tractor to a common receptacle,

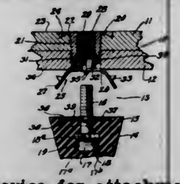
a cob screen disposed along the outer side of each of said shellers overhanging the adjacent rear traction wheel and adapted to discharge shelled cobs and husks laterally outwardly over the tractor wheels, and a pair of fans disposed on said frames inwardly of said shellers for rotation about longitudinally extending axes and arranged to deliver blasts of air outwardly over said traction wheels and through the corn dropping from the shelling cages.

2,299,926
AUTOMOTIVE SUSPENSION
Ross H. Phelps, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application June 13, 1940, Serial No. 340,236
15 Claims. (Cl. 280—96.2)



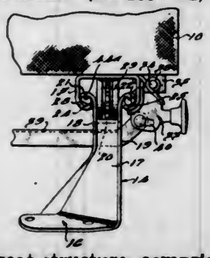
1. In an automobile having a side rail member and a cross member secured thereto, an end portion on said cross member extending beyond the side of said side rail member, a generally C-shaped frame, fastening means securing said C-shaped frame on the end of said cross member and to the side of said rail, a rigid king pin supported between the ends of said C-shaped frame, spring means supporting a steering knuckle on said king pin, said spring means abutting against said C-frame, and a strut type shock absorber positioned between said steering knuckle and the top of said C-frame.

2,299,927
CALK DEVICE
Howard M. Pierce and John H. Hermson, Brooklyn, N. Y., assignors to A. G. Spalding & Bros. Inc., New York, N. Y., a corporation of Delaware
Application May 8, 1939, Serial No. 272,351
13 Claims. (Cl. 36—59)



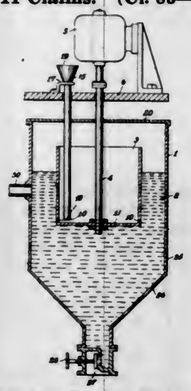
1. In a calk device for attachment to a shoe sole, a calk having a base; a screw member for connecting said calk to the sole; a washer insertable on said screw member intermediate the sole and said calk having projecting means extending toward said base for maintaining the calk against inadvertent rotation; a deformable portion on said washer normally extending away from and adapted to be flattened relative to said sole; and projecting means on said deformable portion adapted when the latter is flattened, to grip the sole and secure the washer against rotation relative thereto.

2,299,928
SLIDING SEAT STRUCTURE
Albert T. Potter, Grosse Pointe, Mich., assignor to Ainsworth Manufacturing Corporation, Detroit, Mich., a corporation of Michigan
Application July 27, 1940, Serial No. 347,852
7 Claims. (Cl. 155—14)



1. A sliding seat structure, comprising a channel member adapted to be secured to the bottom of a seat and having spaced depending side flanges terminating in inturned flanges at their lower edges, a fixed channel member telescoped in said first named channel member and having upwardly extending side flanges terminating in out-turned flanges overlying said inturned flanges, anti-friction rolling elements interposed between said out-turned and inturned flanges and substantially free of vertical load imposed by the weight of the seat, and rollers interposed between the central web portions of said channel members, said rollers having materially greater diameter than said elements and formed with peripheral teeth meshing in apertures formed in said webs and arranged to transmit to said fixed channel member vertical load imposed by the weight of the seat.

2,299,929
METHOD OF AND APPARATUS FOR PRODUCING SOLID BEADLETS
James Albert Raynolds, Jr., Great Neck, N. Y., assignor to The Atlantic Coast Fisheries Company, New York, N. Y., a corporation of Maine
Application July 9, 1940, Serial No. 344,514
11 Claims. (Cl. 83—91)



1. An apparatus for producing solid spheroids of a composition containing a gelable colloid which comprises a vessel containing a liquid which is immiscible with said composition, a cup having a single row of spaced holes in its peripheral wall and partially immersed in said liquid whereby said holes are submerged therein, tubular means to introduce the composition containing the said gelable colloid in the liquid state into said cup, said tubular means extending into and terminating adjacent the bottom of said cup, the outlet of said tubular means being considerably smaller in size relative to the cross-section of said cup, and means to rotate said cup whereby the composition introduced therein will be extruded through said holes by centrifugal force and sheared by said immiscible liquid.

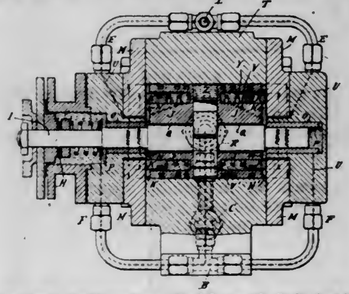
2,299,930
CONTROLLED SWEATBAND GUIDE
Isidore Reiser, New York, N. Y.
Application October 7, 1940, Serial No. 359,995
2 Claims. (Cl. 112—15)



1. In a sewing machine for sewing rolled sweat band fabric to hats, the combination of an overhanging work-supporting base and a bottom feed-dog and presser-foot, a self-contained guiding, shearing and feeding means carried by said base with its lengthwise side in an upright position, said guiding means comprising a hollow rear member, a spring-pressed lever pivoted on said rear member and having its upper edge in pressure contact with said rear member and being adapted for frictionally supporting a fabric strip at said upper edge for feeding movements by said sewing machine, a cutting means supported within said guiding means in inclined relation therewith and to the line of feed of the strip for severing said strip in bias form, said cutting means being concealed within said guiding means, a table on which said sewing machine is mounted, said table having means for rotatably supporting a roll of said sweat band fabric below said guiding means, said guiding means having a hollow pivotally mounted threading member thereon for receiving said strip in an upward feeding direction whereby a fabric strip fed from said roll directly into a hat may be stitched to the inner surface of said hat, said base and said guiding means being of a size adapted to enter into the crown of said hat, said guide terminating at its upper end in front of said work supporting base to permit said bottom feed-dog to feed said sweat band from underneath.

2,299,931
PRESSURE PUMP OF THE ROTATIVE TYPE
Jorge Saad, Rio de Janeiro, Brazil
Application May 28, 1941, Serial No. 395,549
In Brazil July 23, 1940
2 Claims. (Cl. 230—152)

1. A rotary pressure pump for fluids comprising a casing having a cylindrical bore extending therethrough, head plates at opposite ends of the casing closing the ends of said bore, a rotary shaft passing axially through said bore and eccentrically arranged therein, sleeve-type bearings in which the end portions of said shaft are mounted, a rotor mounted on said shaft, blades carried by the rotor and making contact at their outer ends with the cylindrical wall of said bore, said blades being mounted on the rotor for sliding movement in a generally radial and outward direction, an annular piston disposed between each head plate and the adjacent side wall of the rotors, each piston having telescopic sections adapted to be forced apart axially so that one section bears at its outer end against the corresponding head plate and so that the other section bears at one end directly against the corresponding side wall of the rotor, the cylindrical wall of said bore and the rotor and the opposing walls of the two pistons forming a compression chamber, said compression chamber having an inlet and an outlet, the section of each piston which bears against a side wall of the rotor forming between its outer end and the adjacent head plate a first oil chamber located adjacent the inner end of one of said bearing sleeves, said telescopic sections of each piston forming between them a second oil chamber, a third oil chamber at the outer end of each bearing sleeve, an oil separator,

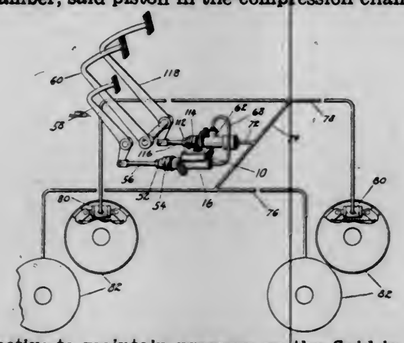


means for delivering fluid and lubricating oil under pressure from said outlet of the compression chamber to said oil separator, an oil reservoir, the oil separator and oil reservoir being adapted to maintain the oil under pressure, means to deliver oil under pressure from the oil separator to said reservoir, means to deliver oil under pressure from the reservoir to each of said first oil chambers, passages placing said first oil chambers in communication with said second oil chambers, a passage placing each of said second oil chambers in communication with the space between the outer periphery of the corresponding annular piston and the cylindrical wall of said bore, the oil from said first oil chambers having access outwardly through said bearing sleeves to said third oil chambers and also having access inwardly along the shaft to the side walls of the rotor and thence into the compression chamber, and means to conduct oil from said third oil chambers to said inlet of the compression chamber.

2,299,932
FLUID OPERATED BRAKE SYSTEM
Don O. Scott, Birmingham, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application October 25, 1939, Serial No. 301,261
4 Claims. (Cl. 188—152)

1. A fluid brake system comprising a reservoir, an auxiliary compression chamber in direct communication with the reservoir, a compression chamber having a discharge port, a fluid channel connecting the two compression chambers, a piston reciprocable in each of the compression chambers, and means for the independent actu-

ation of both pistons in the compression chambers, said piston in the auxiliary compression chamber effective to produce pressure initially or concurrently with the piston in the compression chamber, said piston in the compression chamber



effective to maintain pressure on the fluid in the system upon release of the piston in the auxiliary compression chamber after a concurrent movement of the piston.

2,299,933

METHOD OF PREPARING MINERAL FILLER

Richard J. Shaw, Phoenix, Ariz.

No Drawing. Application December 2, 1939, Serial No. 307,339
4 Claims. (Cl. 117—46)

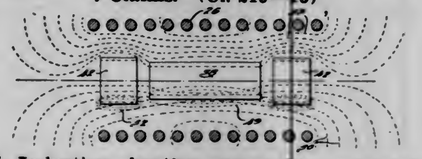
1. A process for preparing mineral filler particles to facilitate bonding them subsequently with organic binding material, comprising completely coating the filler particles with a thin coating of asphaltic material, igniting the asphaltic coating material in a deficiency of oxygen and thereby incompletely consuming said coating and reducing oxygen-containing substances on the surfaces of said particles and leaving a thin tenaciously adherent film of carbon surrounding said filler particles.

2,299,934

INDUCTIVE HEATING APPARATUS AND METHOD

Vernon W. Sherman, Royal Oak, and Omer E. Bowlus, Highland Park, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application December 16, 1940, Serial No. 370,248
7 Claims. (Cl. 219—13)



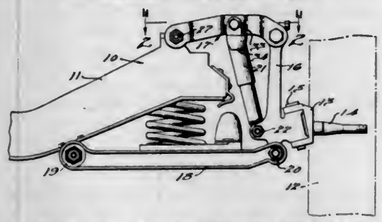
1. Induction heating apparatus comprising means for producing a flux field, a support for positioning a piece of work to be threaded by the flux lines of said field, and flux diverting elements each comprising a closed, ringlike, mass of material of high electrical conductivity having a main body portion located within the longitudinal extremities of said field beyond the extremities of said piece of work which are disposed transversely of the longitudinal axis of said field for producing an induced counter magnetomotive force at a selected location to direct the flux lines of said field through and concentrate the same in selected portions of said work.

2,299,935

CONTROL ARM

Frederic W. Slack and Chester C. Utz, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application February 24, 1941, Serial No. 380,288
11 Claims. (Cl. 267—20)



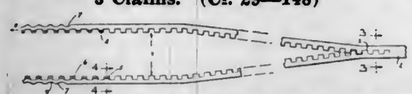
1. A control arm for an independent wheel suspension including a pair of sheet metal arms having their corresponding opposite ends spaced apart and adapted to receive an articulating connector, each arm being flanged at least at an intermediate portion thereof to provide a channel, said channels opening one toward the other with the corresponding flanges of said arms brought together in abutting relationship with each other intermediate the length of said arms to form a closed box in cross section, the respective webs of said channels having lateral bosses extending one toward the other and in engaging relationship for resisting movement of said webs one toward the other, and a securing member extending through said bosses and the channel webs and including means tending to draw the latter one toward the other against the resistance of said bosses.

2,299,936

PROCESS OF MANUFACTURE OF SLIDE FASTENER ELEMENTS

Roscoe J. Smith, Glen Ridge, N. J., and Abraham B. Schachat, New York, N. Y.

Application February 20, 1939, Serial No. 257,442
3 Claims. (Cl. 29—148)



1. A process of making slide fastener elements, consisting of shearing a plurality of element forms simultaneously from a common, relatively thin, narrow stock, separating two portions of the stock material in a horizontal and vertical plane after said shearing operation, forming conventional cavities and lips, and trimming, burnishing and forming the element legs.

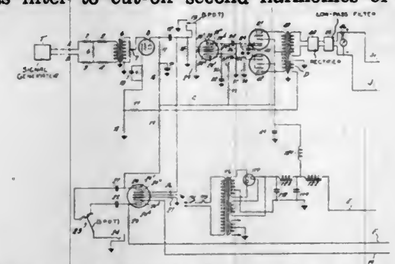
2,299,937

WAVE SIGNALING SYSTEM

Robert M. Sprague, Garden City, N. Y., assignor to Press Wireless, Inc., Chicago, Ill., a corporation of Delaware

Application October 27, 1939, Serial No. 301,563
14 Claims. (Cl. 178—6.7)

2. The method of signaling which includes generating variable amplitude signals in the audio frequency range, impressing said signals on a frequency modulator to produce a frequency range, adjusting said modulator so that the frequency range thereof corresponding to the lower and upper limits of the said signal amplitude is such that the uppermost converted audio frequency is less than the second harmonic of the lowermost converted audio frequency, passing said converted frequencies through a band-pass filter to cut-off second harmonics of any



transmitted frequency, and modulating a high frequency carrier wave by the output of said filter.

2,299,938

PREPARATION OF 2-MERCAPTO-THIAZOLINES

Bernard M. Sturgis, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 5, 1939, Serial No. 307,583
21 Claims. (Cl. 260—302)

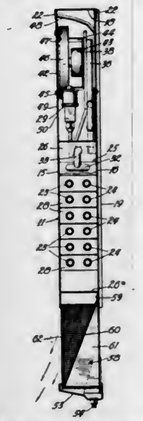
1. The method of preparing a 2-mercapto-thiazoline which comprises heating at least one mole of carbon disulfide with one mole of an ethylene imine in an inert neutral substantially non-aqueous, containing not more than 10% water, organic solvent in a closed vessel at temperatures of from 100° C. to 200° C. so as to maintain the volatile ingredients in contact with the reacting mass and at a pressure at least equal to the vapor pressure of the volatile ingredients at such temperatures.

2,299,939

SPACE COOLER

Sven V. Swanson, Forest Park, Ill., assignor to Refrigeration Appliances, Inc., Chicago, Ill., a corporation of Illinois

Application November 25, 1938, Serial No. 242,184
7 Claims. (Cl. 62—140)



5. In a refrigerating device, a vertically elongated housing having an air inlet at its upper end and air outlets adjacent its lower end in the front and sides of the housing, an impeller for circulating air through the housing from the inlet to the outlets thereof, heat exchange coils in the housing in the path of the circulated air, and a deflector for directing the circulated air downwardly and outwardly through said outlets, said deflector having a front face sloping downwardly substantially from the back of said housing toward the lower end of said front outlet and also having opposite side faces angularly disposed with respect to said front face and sloping downwardly and outwardly toward the lower ends of said side outlets.

2,299,940

PAPER BLANK AND SEAT COVER DISPENSER

John C. Thomasma, Chicago, Ill.

Application October 19, 1940, Serial No. 361,829
7 Claims. (Cl. 312—55)



1. In a dispensing device for paper blanks; an openable housing including a front section and a back section hingedly connected together and having an elongated opening at its lower end; suspension elements in said housing and connected to said back section and adapted to support a plurality of paper blanks; a tunnel-like guide member mounted in said housing in upwardly extending direction; a slide plate slidably mounted in said guide member; a handle element on said slide plate and extending exteriorly of said housing and forming means for moving said slide plate; a spring connected to said guide member and to said side plate for normally returning said slide plate to upper position; a pair of angular flanges on the lateral edges of said guide member intermediate its ends and forming surfaces inclined with respect to said guide member; a leaf spring having laterally projecting portions and connected at one end to said slide plate and normally substantially parallel to said slide plate; the laterally projecting portions of said leaf spring being adapted to slidably engage said guide member flanges to cause the lower end of said leaf-spring to flex inwardly during downward movement to engage and to project a paper blank through the lower opening of said housing.

2,299,941

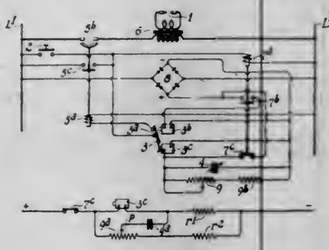
CONTROLLER FOR ELECTRIC CIRCUITS

Percy William Townsend, Bedford, England, assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application June 13, 1940, Serial No. 340,301
In Great Britain July 26, 1939
16 Claims. (Cl. 175—320)

1. Electrical timing apparatus, comprising an electromagnetic relay having a control winding,

means to time the operation of said relay, said last mentioned means including a condenser connected in series with said control winding, means whereby said control winding is energized by the diminishing current varying the charge of said condenser, so that when said current falls to a



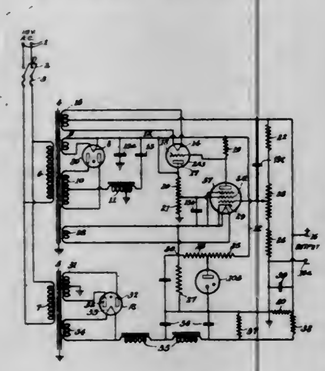
given value said relay will respond accordingly, and associated means for varying the time taken for said current to fall to said given value, said last mentioned means including means for varying the maximum potential to which said condenser is charged.

2,299,942

POWER CONVERTER AND REGULATOR

Bertram Trevor, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application November 7, 1939, Serial No. 303,186
10 Claims. (Cl. 175—363)



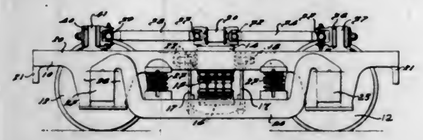
1. In combination, a thermionic power converter for changing alternating current into direct current, a voltage regulator of the type having a variable impedance through an electron discharge path, said regulator being operative upon the output from said converter, a second thermionic power converter adapted to deliver unregulated direct current power at a voltage exceeding that of the regulated output from the first said converter, a load exceeding the maximum load limit of either single converter, direct connections from the first said converter through its regulator to said load, parallel connections from the second said converter to said load, and a series resistor in said parallel connections for equalizing the voltages of the currents delivered by the respective converters.

2,299,943

RAILWAY EQUIPMENT

William Van Der Sluys and Percy Best, Detroit, Mich., assignors, by mesne assignments, to Railroad Rolling Stock Patents Corporation, a corporation of Delaware

Application June 27, 1940, Serial No. 342,751
9 Claims. (Cl. 105—190)



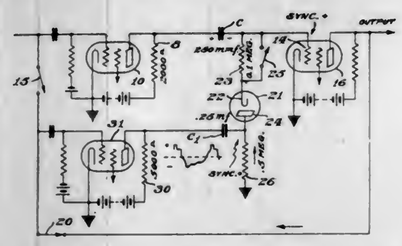
1. In a railway vehicle truck, a truck frame, a truck bolster member movable relatively to said truck frame, and means for maintaining said bolster member within predetermined limits of movement with respect to said frame comprising a mounting on said bolster member, a mounting on said truck frame, linkage means extending between said mountings, means connecting said linkage means to one of said mountings, and a second means adapted to secure said linkage means to the other mounting, said second means comprising two spaced rigid plates secured to said linkage and disposed on opposite sides of said mounting in spaced relationship therewith, and rubber members disposed intermediate said mounting and each of said rigid plates, said rubber members comprising portions respectively adapted to be placed in compression under different degrees of stress by movement of said bolster.

2,299,944

DIRECT CURRENT REINSERTING CIRCUIT

Karl R. Wendt, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 23, 1940, Serial No. 362,311
8 Claims. (Cl. 178—7.3)



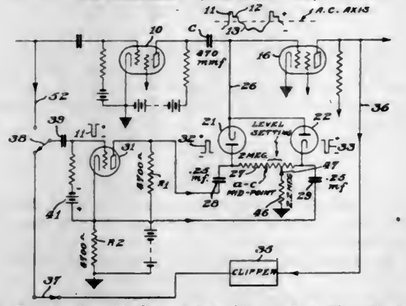
1. In combination, a source of composite signal consisting of the principal intelligence conveying signals and of control pulses each recurring at intervals, said pulses having an amplitude at least as great as said principal signals of like polarity, the combination of an amplifier tube having a control grid and a cathode, a condenser connected in series with said source and the control grid of said tube whereby said composite signal may charge said condenser, and a discharging circuit for said condenser which comprises a diode so connected that said condenser may discharge therethrough when the diode is conducting, means for so biasing said diode that said condenser cannot discharge therethrough during the intervals of said principal signal, and keying means for making said diode conducting between said last intervals.

2,299,945

DIRECT CURRENT REINSERTING CIRCUIT

Karl R. Wendt, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 27, 1940, Serial No. 367,323
10 Claims. (Cl. 178—7.3)



1. In a circuit for correction of a signal supplied from a certain source and having recurring control periods, the combination of an amplifier tube having a control grid and a cathode, a condenser connected in series with said source and said control grid, and a charging and discharging circuit for said condenser which comprises a pair of diodes so connected that said condenser may charge through one of them and discharge through the other one when the diodes are conducting, and keying means for making said diodes conducting during portions of said control periods and nonconducting between said control periods, said keying means comprising a circuit for applying keying pulses of opposite polarity to said diodes.

2,299,946

TREATMENT OF HAM

Lee Orton Alkire, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application July 24, 1940, Serial No. 347,305
9 Claims. (Cl. 99—107)

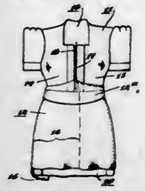
1. The method of preparing boneless cooked hams, which comprises quick curing a ham containing a bone, cooking the cured product, removing the bone from the cooked ham while hot, pressing the hot boneless meat to remove the void produced by removal of the bone and cooling the product while it is held under pressure.

2,299,947

GARMENT CONSTRUCTION

Perkins H. Bailey, New York, N. Y., assignor to Talon, Inc., a corporation of Pennsylvania

Application March 29, 1940, Serial No. 326,705
1 Claim. (Cl. 2—76)



In a garment including a back panel coextensive with the length and width of said garment, a front waist panel secured at its upper and side edges to said back panel, a front skirt panel secured at one side edge to the adjacent side edge of said back panel and having a substantial portion of its upper end free of attachment to said front waist panel, said front waist panel having a front opening extending throughout its length, a separating end slide fastener secured to said front waist panel at the opposite sides of said opening and terminating substantially at the waist portion of the garment, the freedom of the free portion of said front skirt panel providing a flap portion overlying the portion of said front opening below said slide fastener, and the free upper end of said front skirt panel and the lower end portion of said front waist panel being in lapped relationship, and the point of attachment of said front skirt panel to said front waist panel being spaced upwardly of the lower edge of said front waist panel, at its underside, to provide a flap overlapping the front end of said front skirt panel and providing free manual access to the separating end of said slide fastener.

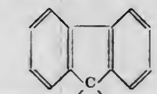
2,299,948

9,9 DI-(β-CARBAMYL-ETHYL) FLUORENE

Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application November 13, 1941, Serial No. 419,018
1 Claim. (Cl. 260—558)

As a new compound, 9,9-di-(β-carbamyl-ethyl) fluorene, having the formula:



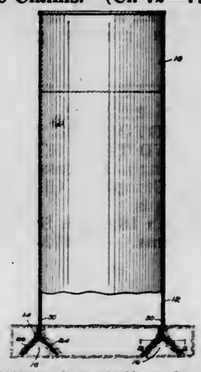
$H_2NOCCH_2CH_2 \quad CH_2CH_2CONH_2$

2,299,949

MONOLITHIC FOUNDATION

John M. Crom, Jackson Heights, N. Y., assignor to The Preload Company, Boston, Mass., a corporation of Massachusetts

Application February 25, 1941, Serial No. 380,477
8 Claims. (Cl. 72—77)



1. A monolithic foundation for building construction, comprising a horizontally curved and inverted V-shaped cementitious structure embedded in the earth and having one leg extending downwardly and outwardly of the curvature and another leg extending downwardly and inwardly thereof, and reinforcement including rods within and extending horizontally along the outwardly extending leg, the rods being supported against movement outwardly of said curvature whereby to hold the structure against expansion outwardly when substantial weight is placed thereon.

2,299,950
DISHCLOTH
Marguerite Brown Gebhart, Coral Gables, Fla., assignor to Lee Gebhart, Coral Gables, Fla.
Application October 7, 1940, Serial No. 360,166
8 Claims. (Cl. 15—208)

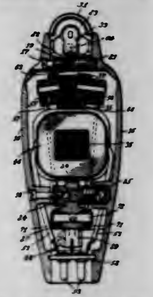


1. An improved dish cloth comprising a central member, successive concentric zones having their origin in said member and connected thereto and to one another and including in part spaced radiating arms, the arms in certain of said zones being multiplied over and above the arms in the next inner zone to an extent to impart to the outer zone a flare and a wavy linearly extensive outer edge for the cloth adapted, when said cloth is held by said member, to fall loosely into substantially the section of a sphere.

2,299,951
CHEESE PACKAGE
James D. Ingle, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 3, 1940, Serial No. 351,267
4 Claims. (Cl. 260—734)

1. A waxy coating composition suitable for dipping cheese comprising essentially about 50 per cent of crystalline petroleum wax, about 5 to 15 per cent of rubber resin obtained by condensing rubber in the presence of chlorostannic acid or a halide of an amphoteric metal, and the remainder a high melting point amorphous petroleum wax.

2,299,952
VIBRATORY MOTOR FOR DRY SHAVERS AND THE LIKE
Ivar Jepson, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application March 18, 1940, Serial No. 324,599
25 Claims. (Cl. 172—126)



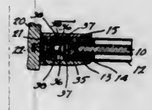
1. A vibratory electromagnetic motor having an inductance coil, field laminations passing through the coil and terminating in opposed pole pieces, a drive armature and an idler armature in spaced relation between said pole pieces adapted to be drawn toward each other by the flow of the magnetic flux between the pole pieces, a flat vibratory spring supporting each armature, each spring being attached at one end to its armature and having an opening for location of the coil, and means fixedly supporting the springs with respect to the field laminations at the ends of the springs remote from the armatures and positioning the springs with opposite side portions of the coil extending through said openings.

2,299,953
EGG WHITE TREATMENT
Leon D. Mink, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 3, 1940, Serial No. 351,263
14 Claims. (Cl. 99—210)

1. The method of treating egg whites which comprises whipping the egg whites into a foam, adding a small amount of acid to the foam sufficient to produce a softer, more fluid and more stable foam as compared to normal foam, and thereafter drying the foam.

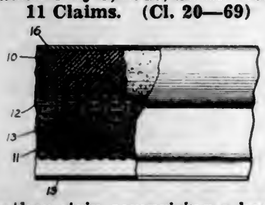
12. The method of treating egg whites which comprises beating the egg whites into a foam, adding from 0.3 to 0.5 per cent hydrochloric acid to the foam, continuing the beating of the foam, forming the foam into strands, and drying the strands at the temperature of from 110 degrees to 135 degrees F.

2,299,954
BUS OR CAR WINDOW CONSTRUCTION
Joseph Schunk, Newark, N. J., assignor to The National Lock Washer Company, Newark, N. J., a corporation of New Jersey
Application January 14, 1941, Serial No. 374,309
14 Claims. (Cl. 189—73)



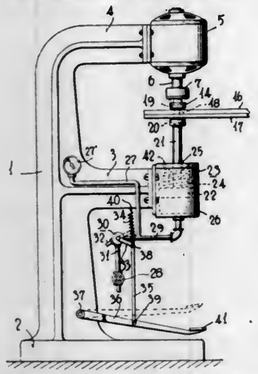
1. In a window construction, a side channel post for receiving the edge of a window sash, comprising a fixed stop member adapted to be secured within the window opening and including a base portion and a flange portion projecting therefrom in spaced relation to a longitudinal edge thereof, said base portion having an angular recess extending along said longitudinal edge including an outwardly offset seat surface and an abutment shoulder, there being a longitudinal groove in said seat intermediate said shoulder and the longitudinal outer edge of said seat, a removable stop member having a base portion parallel to and engageable with said seat and shoulder and having a longitudinal rib spaced from a longitudinal edge thereof and engageable with said groove, and retaining means connected between said removable stop member and said base adapted to removably retain said removable stop member in engagement with said seat and groove.

2,299,955
WEATHER STRIP AND METHOD OF MAKING THE SAME
Louis Spraragen, Bridgeport, Conn., assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn., a corporation of Connecticut
Application July 5, 1940, Serial No. 343,957
11 Claims. (Cl. 20—69)



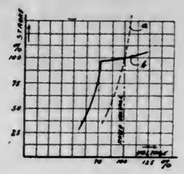
1. A weather strip comprising a bead having a resilient attaching strip secured thereto to project therefrom; and a preformed rubber cover of substantially the same shape as the exterior of the bead and attaching strip, said cover being in an unstressed condition and completely enclosing said bead and attaching strip.

2,299,956
SCREW-DRIVING OR NUT-TIGHTENING MACHINE
William Stever, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 13, 1940, Serial No. 345,306
6 Claims. (Cl. 81—54)



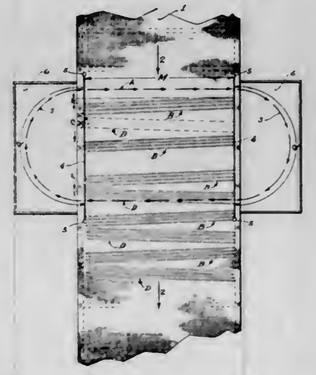
1. In a machine for screwing a threaded element to its mate; a base, a tool for engaging the threaded element, means for engaging the mate; said tool comprising a driven shaft, a head for actually engaging the threaded element and a clutch between said shaft and said head; said clutch being of the type having two members axially movable relatively to each other, having at least the one member provided with surfaces extending in circumferential direction and being inclined with respect to the axis of rotation, said surfaces being engaged by projecting portions of the other element so that torsional forces are positively transmitted when the two elements are held by an axial force against one another but so that the members become disengaged when the torsional force surpasses a certain ratio with respect to the axial force; said shaft being axially substantially immovably supported on said base; means for holding against rotation on said base said means for engaging the mate and for forcing the latter means by a predetermined resilient force toward said tool so that, upon reaching a predetermined torsional force exerted by said driven shaft, the resilient axial force is overcome by said clutch members and the latter become disengaged.

2,299,957
VIBRATORY ELECTROMAGNETIC MOTOR
Herbert F. Storm, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application January 17, 1941, Serial No. 374,802
2 Claims. (Cl. 172—126)



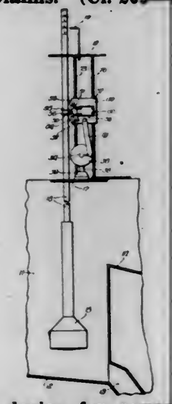
1. In a vibratory electromagnetic motor, a coil adapted to be energized by electric current, an armature member vibrated in response to energization of said coil and having a motion-transmitting connection with a work-piece for operating the same, a second vibratory member free to vibrate in reaction relation to the work-piece armature, and an elastic element carried by one of said members and arranged to impinge against the other member during only a fraction of the stroke, said second vibratory member having no motion-transmitting connection with said work-piece except at the impingement interval.

2,299,958
SOAP APPARATUS
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application August 23, 1938, Serial No. 226,331
20 Claims. (Cl. 34—38)



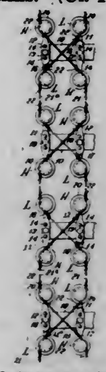
1. The method of drying material which comprises extruding the material in a continuous strand from a means travelling in a substantially elliptical path having two substantially straight portions joined by curved ends, separating the curved ends from the straight portions of the strand of the material and placing the straight portions of the strand of the material onto a moving conveyor transversely the path of movement of the conveyor.

2,299,959
CONTROL SYSTEM
Harry W. Brentz, Millstadt, Ill.
Application April 8, 1941, Serial No. 387,442
21 Claims. (Cl. 209—136)



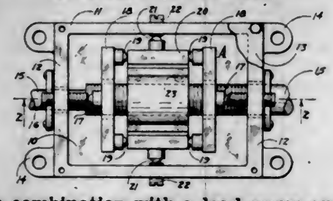
1. A control device for apparatus having a compartment wherein comminuted particulate material is separated in accordance with the specific gravities of its constituent parts and having an adjustable discharge valve for removing from said compartment separated material, comprising a float in said compartment which is sensitive to fluctuations of the material level therein, switching means for coaction with said float, control means for adjusting said discharge valve, means for movably mounting said switching means, and operating means controlled by said switching means responsive to displacement of said float for actuating the control means for adjusting said discharge valve and for moving said switching means relative to said float so as to position said switching means for coaction with said float responsive to subsequent fluctuation of the material level in said compartment.

2,299,960
BRACKET AND METHOD OF TRANSPOSING WIRES
Truman P. Brewster, Chicago, and Alexander C. McKahan, Wilmette, Ill.
Application December 2, 1940, Serial No. 368,140
7 Claims. (Cl. 174—33)



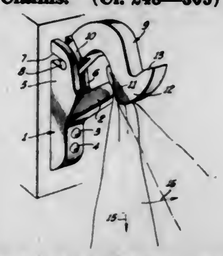
1. A method of transposing the paired wires of an electric circuit which consists in employing a pair of brackets located on successive support members, each having a pair of low pins and a pair of high pins at diagonally opposite points, with the pins of one bracket arranged to provide a low pin and a high pin at the ingoing side and a high pin and a low pin at the outgoing side of said bracket, with the pins of the other bracket reversely arranged to provide a high pin and a low pin at the ingoing side and respectively facing the high pin and the low pin at the outgoing side of the first bracket and a low pin and a high pin at the outgoing side of the last mentioned bracket thereby providing two transpositions in the wires without spiralling the wires around each other.

2,299,961
SUPPORTING STRUCTURE FOR FEED SCREW NUTS
Ottis R. Briney, Jr., Pontiac, Mich.
Application May 21, 1942, Serial No. 443,872
8 Claims. (Cl. 74—441)



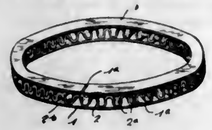
1. In combination with a lead screw and traveler nut, a driving connection for the nut and part moved thereby comprising a housing having an opening therein for the reception of the lead screw, a pair of thrust members therein, pivotal supports therefor disposed in a plane common to the medial axis of the lead screw, a drive member connected with the traveler nut, pivotal supports therefor intermediate said thrust members and said drive member, said pivotal supports being disposed in a plane common to the medial axis of the screw and normal to the plane of the first named pivotal supports and thrust bearings for said drive member supported in said housing subjacent the medial axis of the screw.

2,299,962
GRAVITATIONALLY ACTUATED HANGER
George Palmer Byrkit, Glendale, Calif.
Application January 31, 1942, Serial No. 429,028
4 Claims. (Cl. 248—305)



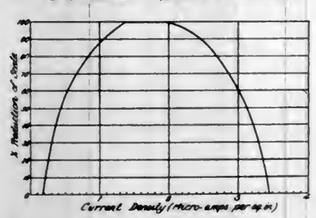
4. A gravity-actuated hanger comprising: a stationary portion provided with a back and an abutment, and a gripping member pivotally attached to the back and extending forwardly and downwardly, said gripping member being provided with a curved gripping face adapted to progressively approach into contact with said abutment as said member is pivotally moved toward said abutment, said gripping face being provided with a serrated surface adapted to frictionally engage an article placed between the face and abutment and cause the weight of the article to urge the pivoted member against said abutment.

2,299,963
PISTON RING
Frederick C. Crawford and Archie T. Colwell, Cleveland, Ohio, assignors to Thompson Products, Inc., Cleveland, Ohio
Application December 24, 1938, Serial No. 247,702
5 Claims. (Cl. 309—45)



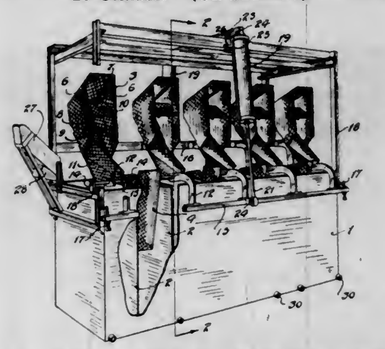
1. A piston ring comprising a pair of spaced, parallel, split, radially resilient, thin, flat ring members adapted to have their outer side faces seat against the side walls of the piston groove and to have their outer edges resiliently engage the wall of the cylinder for sealing engagement therewith, the space between said pair of ring members being substantially greater than the thickness of one of said ring members, and a single intermediate oil-control ring member, bent back and forth upon itself into pronounced corrugated form, arranged between and in staggered multiple engagement with the inner faces of said upper and lower ring members at points at substantially close intervals and adapted to have its outer edge in continuous engagement with the wall of the cylinder throughout the entire space between said upper and lower ring members, the corrugated form of said intermediate ring member being such as to divide the entire space between said upper and lower ring members into substantially radially disposed staggered upper and lower passages with their side walls extending primarily in a direction across the space between said upper and lower ring members and each making a substantially abrupt angle therewith, and said intermediate ring member being radially and circumferentially resilient with its ends in compression contact with each other so as to provide uniformly resilient engagement of the outer edge of said intermediate ring member with the wall of the cylinder throughout the entire extent thereof.

2,299,964
ELECTRICAL TREATMENT OF WATER TO REDUCE EFFECTS OF HARDNESS THEREOF
Reginald Henry Crouch, London, England
Application October 6, 1936, Serial No. 104,264
In Great Britain October 15, 1934
5 Claims. (Cl. 204—149)



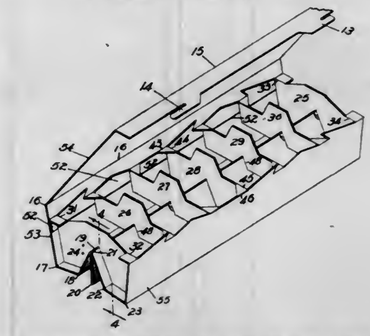
4. A method of treating water to reduce effects arising from the hardness thereof, which comprises passing the water in close proximity to one of a pair of electrodes insulated from each other in the absence of the water, and passing between said electrodes and through the water an electrical current having a density between 0.2 and 3.4 microamperes per square inch.

2,299,965
APPARATUS FOR HANDLING ARTICLES IN BULK
John Virden Davis, Detroit, Mich., assignor to The Udylite Corporation, Detroit, Mich., a corporation of Delaware
Application April 15, 1940, Serial No. 329,835
10 Claims. (Cl. 214—17)



1. A material handling device comprising in combination a plurality of tiltable containers for said material selectively tiltable about parallel axes and said containers being juxtaposed in a direction parallel to the axes of tilt so that each container can be selectively tilted above the next adjacent container whereby the material is discharged by gravity from said tilted container, and means for deflecting the material as it is being discharged from the said tilted container out of its direction of travel into the next adjacent container.

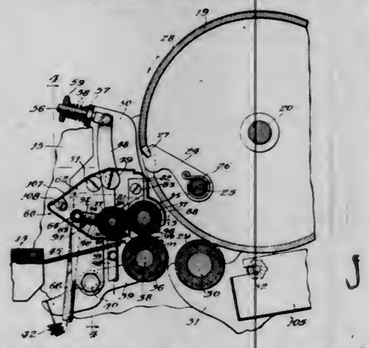
2,299,966
EGG CARTON
Gilbert W. Dearbaugh, Adena, Colo.
Application September 10, 1940, Serial No. 356,180
1 Claim. (Cl. 229—29)



As an article of manufacture, a one-piece folding egg carton comprising a bottom having an A-shaped central longitudinal rib within which is a folded longitudinal rib depending from the vertex of said A-shaped rib, sides integral with said bottom and folded upwardly therefrom, a top integral with one of said sides and foldable thereon to connect with the opposite side to effect a closure of the carton, means on said top and said opposite side for locking the cover in closed position, a plurality of cross members connected with said side members and provided with central A-shaped cut-outs whereby they are adapted to fit over said A-shaped central rib there being

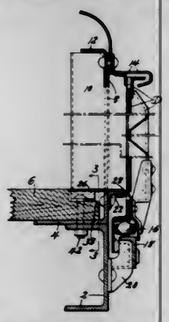
notches spaced along the vertex of said central A-shaped longitudinal rib to receive and to hold the cross members, and inwardly projecting tongues on the cross members at the respective A-shaped cut-outs for engaging sides of said A-shaped longitudinal rib there being apertures in the sides of said engaged rib to receive the tongues.

2,299,967
MOISTENER FOR DUPLICATING MACHINES
William E. Denison, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application February 17, 1940, Serial No. 319,476
18 Claims. (Cl. 91—49)



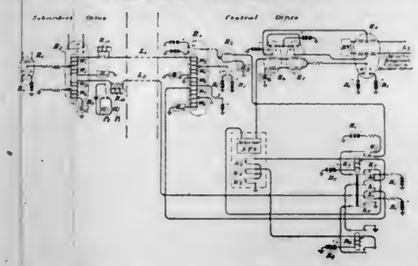
1. Moistening means comprising a moistening roll, a supply roll in contact therewith, means effective during normal operation of the mechanism to supply liquid to the surface of said supply roll, and means adapted at the end of each period of operation of the mechanism to cause the production of a small body of liquid in contact with said supply roll for moistening the surface of the supply roll at the start of the next period of operation.

2,299,968
RAILWAY CAR THRESHOLD PLATE
William F. Dietrichson, Berwick, Pa.
Application February 3, 1941, Serial No. 377,197
10 Claims. (Cl. 20—64)



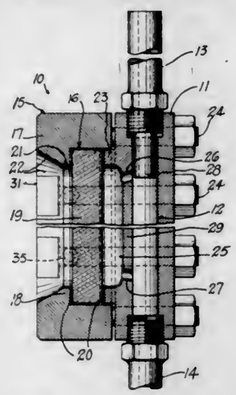
6. As an article of manufacture, a railway car threshold plate having a hooked outer portion adapted to slidably engage and interlock with a part of the car structure, and a slotted inner portion located beneath the plane of the threshold plate and adapted to engage fastening means located wholly beneath the plane through the lower surface of the plate.

2,299,969
SIGNALING ARRANGEMENT FOR TELEGRAPH SYSTEMS
Robert James Egner, Ridgewood, and Charles Robert Walker, Jersey City, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application December 5, 1941, Serial No. 421,718
6 Claims. (Cl. 178—69)



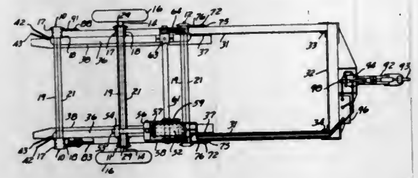
1. In a telegraph system, the combination of a subscriber's station, a central office, a telegraph line over which telegraph signals may be transmitted, a neutralizing line which together with the telegraph line are interposed between the subscriber's station and the central office, the neutralizing line picking up extraneous voltages similar to those picked up by the telegraph line, means coupled to said lines whereby said extraneous voltages may be effectively nullified, a relay at the subscriber's office, the winding of said relay being connected to the neutralizing line, an indicating device controlled by said relay, and means at the central office for applying voltages to said neutralizing line to energize said relay.

2,299,970
REFLEX TYPE WATER GAUGE
Eugene Ernst and Goswin Ernst, Livingston, N. J.
Application March 12, 1941, Serial No. 382,879
6 Claims. (Cl. 73—330)



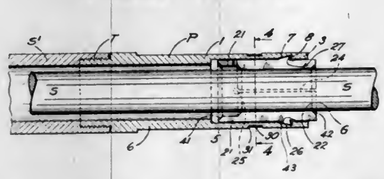
1. A liquid level gauge including a glass plate element, and means for mounting the same providing a gauge chamber and a by-pass therefor separated from the gauge chamber by a wall extending lengthwise of the glass element, said wall having upper and lower openings intercommunicating the gauge chamber and the by-pass, and means for connecting the by-pass to a boiler, including a condensate centralizing tube projecting downward into the by-pass and terminating above the region of normal liquid level, to thus prevent condensate from flowing into the gauge chamber through said upper opening, said by-pass being substantially wholly straight throughout, and the lower end portion of said tube constituting a nozzle terminating in proximity to the center of said upper opening.

2,299,971
LIFT TRUCK
William S. Foshee, Montgomery, Ala.
Application May 12, 1941, Serial No. 393,088
2 Claims. (Cl. 212—140)



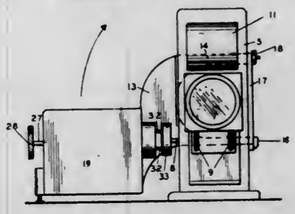
1. In a lift truck of the character described, a frame comprising a plurality of pairs of vertically disposed channels spaced to form front, intermediate and rear side frame members, transverse beams interposed between and secured to the upper ends of each pair of vertical channels, upper, intermediate and lower longitudinally extending beams interposed between and secured to the side frame members, an axle for a supporting wheel secured to the lower end of each of the intermediate side frame members, a side wall and a forward end wall for the truck body secured to the side frame members, vertically movable lift members extending below the side wall, and guide means for the lift members between the channels forming the pairs of vertical side frame members.

2,299,972
MASTER PUSHER
William P. Gallen and Roy R. Gallen, Cleveland, Ohio
Application July 24, 1940, Serial No. 347,264
11 Claims. (Cl. 29—62)



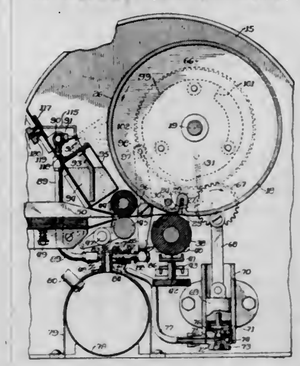
1. In a stock feeding collet the combination of an outer shell and an inner stock gripping element, the inner stock gripping element being slotted and contractable upon said stock, and having external inclined cam surfaces at circumferentially spaced points, said outer shell having complementary cam surfaces and overhanging portions adjacent thereto circumferentially spaced, whereby to permit the reception of said first named cam surfaces therebetween in one angular position, but to prevent the withdrawal thereof in another angular position, the latter construction functioning as a "bayonet lock" to facilitate the assembly and disassembly of said parts.

2,299,973
PROJECTOR ATTACHMENTS
Albert S. Getten, San Francisco, Calif.
Application November 19, 1941, Serial No. 419,693
2 Claims. (Cl. 88—28)



1. In combination with a projector having a film feeding mechanism consisting of a shaft and a hand-wheel, a bracket secured to said projector and supporting a second shaft in axial alignment with said first-mentioned shaft, motor means for rotating said second-mentioned shaft, means for connecting said second-mentioned shaft to said first-mentioned shaft, remote means for controlling said motor, and an interrupter rotated by said second-mentioned shaft and adapted to stop said motor at predetermined intervals.

2,299,974
METHOD OF DUPLICATING AND MECHANISM THEREFOR
Hugo H. Grobecker, Milwaukee, Wis., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application February 17, 1941, Serial No. 379,259
12 Claims. (Cl. 101—132.5)

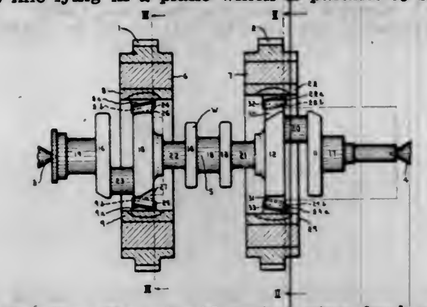


1. The method of duplicating which comprises the step of applying solvent to a master sheet by blowing an exceedingly small amount of the solvent in the form of a vapor directly onto the inked face of the master sheet.

2,299,975
CRANKSHAFT CHUCKING MECHANISM
Willard L. Groene, Cincinnati, Ohio, assignor to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application November 12, 1940, Serial No. 365,354
7 Claims. (Cl. 82—40)

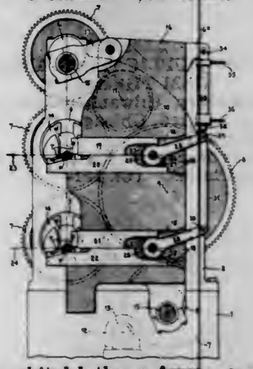
2. In a center drive chuck, a rotatable ring gear, spaced work engaging abutment means fixed in said ring gear on each side of the axis of rotation of said ring gear comprising work engaging surfaces lying in planes angularly related to each

other and to said axis, said planes intersecting in a line lying in a plane which is parallel to said



axis of rotation of said center drive chuck and ring gear.

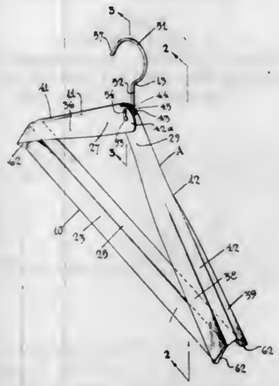
2,299,976
ORBITAL LATHE FEED MECHANISM
Willard L. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application June 30, 1941, Serial No. 400,397
3 Claims. (Cl. 82—9)



1. In an orbital lathe, a frame, a pair of work spindles mounted vertically above one another journaled in said frame, a master crankshaft journaled in said frame, vertically above both of said work spindles so that said work spindles and master crankshafts lie substantially with their axes in a vertical plane, a second master crankshaft journaled in said frame to the rear and below said lower work spindle, interconnecting gearing between said work spindles and master crankshafts, and means for driving said gearing so as to rotate said work spindles and master crankshafts in synchronism, and an orbital tool feeding mechanism mounted on said master crankshafts.

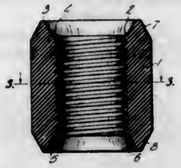
2,299,977
GARMENT HANGER
Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application May 1, 1936, Serial No. 77,320
8 Claims. (Cl. 223—88)

1. A garment hanger comprising a frame constructed from a strip of paper scored transversely at spaced intervals to form a cross member and side members issuing therefrom, said strip being further scored longitudinally along two spaced lines intermediate the lateral edges of the strip and terminating short of the ends of the strip and along single lines at the ends of the strip situated medially of the lateral edges thereof to form flanges extending along said cross member and side members and webs disposed between said flanges, and extending along said cross member and partly along said side



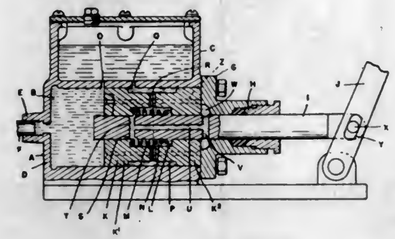
members, said strip being folded along said score lines to cause said flanges to issue angularly from said webs and to lie in juxtaposition at the ends of the strip to bring the side members in converging relation with the ends thereof in close proximity, and means for securing the ends of said side members together.

2,299,978
CASING PROTECTOR
Jesse E. Hall, Bakersfield, Calif., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application June 25, 1938, Serial No. 215,799
2 Claims. (Cl. 308—4)



1. A well casing protector for application to a drill pipe operating within a well casing comprising an annular rubber ring adapted to be stretched and contracted upon the drill pipe in a desired position, said ring being formed with an internal thread terminating below the upper edge of said ring and above the lower edge of said ring, the internal unthreaded portions of said ring being of greater diameter than said threaded portion, the construction being such that, when said ring is expanded in position upon a drill pipe, said portions of greater internal diameter will be under less tension than the remaining portion of said ring and said threads will resist axial movement of said ring along said drill pipe and, upon relative rotation of said ring to said drill pipe, said ring will tend to be maintained in the desired position upon said drill pipe.

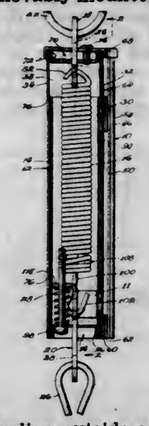
2,299,979
PUMP
Charles F. Hammond, Grosse Pointe, Mich., assignor to Gemmer Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application August 27, 1941, Serial No. 408,512
2 Claims. (Cl. 60—54.6)



1. A hydraulic pump comprising a casing including a cylinder portion and an adjacent fluid reservoir portion, a discharge conduit leading from one end of said cylinder, a detachable head closing the opposite end of said cylinder, a plunger of smaller diameter than said cylinder extending thereinto through said head, a shoulder on said plunger extending radially outward therefrom, a piston formed in two sections sleeved upon said plunger on opposite sides of said shoulder and recessed to receive the same, a coil spring sleeved on said plunger in said recess, one end abutting against said shoulder and the opposite end against the end of the recess, means for securing said piston sections to each other and placing said spring under a predetermined tension, ports connecting said reservoir with said cylinder, one slightly in advance of the piston in its rear position and the other registering with a peripheral recess in the piston, said peripheral recess being radially connected with the recess surrounding said plunger, said plunger being provided with a longitudinal passage therein connecting at its forward end with an annular port normally registering with the forward end of the recess containing the spring, and the rear end of said passage communicating with the cylinder in rear of the piston, whereby forward movement of said plunger will advance with it said piston to displace fluid from the forward portion of the cylinder and fill the portion of the cylinder in rear of the piston with fluid withdrawn from said reservoir, said movement continuing until the fluid pressure reaction against the forward end of the piston equals the pressure of said spring, whereupon further advancement of the plunger will trap fluid in the cylinder in rear of the piston and hold the latter against rearward displacement.

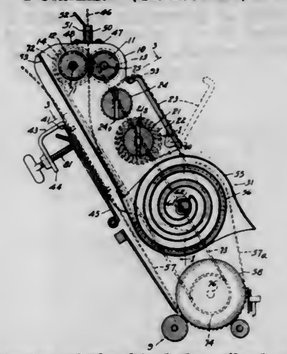
2,299,980
SCALE
Marius H. Hansen, Chicago, Ill., assignor to Hansen Scale Co., Chicago, Ill., a corporation of Illinois
Application November 10, 1938, Serial No. 239,847
11 Claims. (Cl. 265—63)

4. In apparatus of the type described, an index tube adapted to be connected to a spring and to support article receiving means, comprising an integral sheet structure formed into the shape of an open ended tube of substantially rectangular cross section, having a portion near one end thereof offset from the remainder to form a pointer, a closure member for the other end thereof, a combined article receiving means and spring support movably mounted inside said tube,



and means extending outside said closure member adjustably securing said support to said tube.

2,299,981
PAPER-HOLDING ATTACHMENT FOR TYPEWRITERS
Louis G. Harlam, Stockton, Calif.
Application July 25, 1941, Serial No. 404,005
4 Claims. (Cl. 120—30)

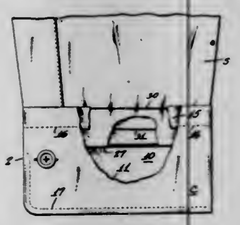


1. In a device of the kind described, a tubular structure comprising two spiral plates of sheet material coiled within each other, a frame comprising end members whereby said plates are supported in non-contacting radially spaced relations to each other, thus maintaining two spiral chambers within said tubular structure, and means to detachably support said frame upon the upper part of a typewriter with one of said spiral chambers opening upwardly in a position to have fed into it a sheet of paper containing copy for the typist and with the other of said chambers opening downwardly in a position to have fed into it the typed sheets.

2,299,982
ADJUSTABLE SLEEVE
Bernard M. Harrison, Baltimore, Md.
Application February 13, 1942, Serial No. 430,824
3 Claims. (Cl. 2—269)

1. In an adjustable sleeve and cuff assembly adapted to present a conventional sewed cuff and sleeve appearance, a cuff having an outside and an inside facing with the end of the full length

sleeve sewed to the free edge of the inside facing of the cuff, the sleeve being folded on itself and the fold extending inwardly of the cuff between said facings and stitched through the layers of the sleeve and said free edge of the inside facing of the cuff with a readily disengageable line of stitching, and a layer of launder-proof thermoplastic adhesive disposed at the free edge of the



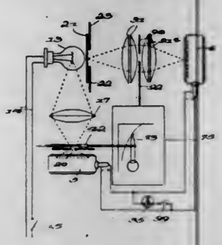
outside facing of the cuff upon the interior thereof adapted to be activated into permanently sealing relation with the sleeve overlying said first-mentioned free edge of the inside facing of the cuff with the alternative retention or elimination of the fold depending upon the desired length of the sleeve and cuff assembly.

2,299,983

COTTON FIBER MEASURING INSTRUMENT

Kenneth L. Hertel, Knoxille, Tenn., assignor to University of Tennessee Research Corporation, Knoxville, Tenn., a corporation of Tennessee

Application December 21, 1939, Serial No. 310,466
28 Claims. (Cl. 234—1.5)



1. A method of measuring fiber length comprising projecting light onto a light responsive device, and relatively moving a plurality of fibers extending substantially in side-by-side relation and of representative lengths through the path of light to said device to vary the light flux on the device for different positions of the fibers relative thereto.

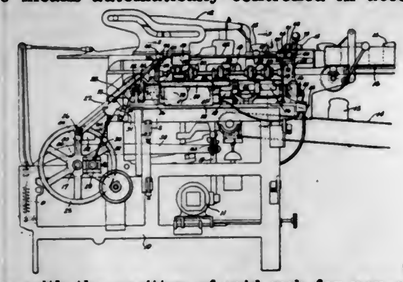
2,299,984

CONTROLLING DEVICE FOR WEB FEEDING AND CUTTING MACHINES

David R. Horwitz, Sheboygan, Wis., assignor to Hayssen Manufacturing Company, Sheboygan, Wis., a copartnership consisting of William A. Hayssen, Jane P. Hayssen, and Marie Hayssen Perry

Application March 15, 1941, Serial No. 383,540
7 Claims. (Cl. 164—68)

1. In combination, a driven web feeding roll, a cooperating pressure roller movably mounted thereadjacent, there being a web between the roll and roller for advancement when the roller forcefully contacts the web, means for severing a section of the web, means for releasably holding said roller against said web, and light sensitive means automatically controlled in accord-



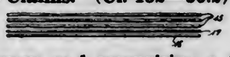
ance with the position of said web for non-contactably releasing said roller holding means directly.

2,299,985

HAIR WAVE PAD

William F. Hudson, Philadelphia, Pa.

Application March 6, 1942, Serial No. 433,663
8 Claims. (Cl. 132—36.2)



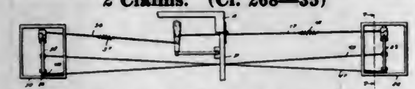
1. A hair wave pad comprising a facing sheet of absorbent material, a backing sheet and an intermediate layer of moisture resistant adhesive securing the sheets together, said adhesive being thermo-plastic under conditions of use of the pad.

2,299,986

DOOR OPENER

Arthur F. Hummel, Sligo, Pa.

Application March 20, 1941, Serial No. 384,399
2 Claims. (Cl. 268—35)



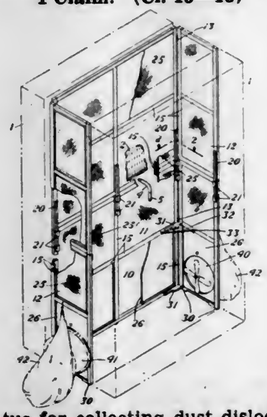
1. In combination with a garage and its doors, spring means for closing the doors, means for opening one door by opening movement of the second door, a shaft in the building, means for opening the second door by movement in one direction of said shaft, a rockable member in front of the building, a shaft to which the rockable member is fastened, an arm depending from the shaft, clutch means for moving the arm when the rockable member is moved toward the building and leaving the arm free when the rockable member is moved away from the building, an arm on the door opening shaft, means for connecting the two arms together, clutch means for causing movement of the door opening shaft by the arm on the shaft, latch means for holding the rockable member in lowered position when the same is moved toward the building, a rockable member in the building, a shaft to which the rockable member is connected, an arm depending from the last-mentioned shaft, clutch means for connecting the arm with the last-mentioned shaft and for moving the arm when the rockable member is moved away from the doors, an arm pivoted in the building, a connection between said arm and the last-mentioned arm, means for moving the door operating shaft when the pivoted arm is moved, latch means for holding the second rockable member in lowered position, means for releasing the latch means when the first rockable member is moved away from the doors.

2,299,987

PORTABLE APPARATUS FOR CLEANING ELECTRICAL EQUIPMENT

Frederick Raymond Hunter, Edgewater, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application September 20, 1941, Serial No. 411,661
1 Claim. (Cl. 15—15)



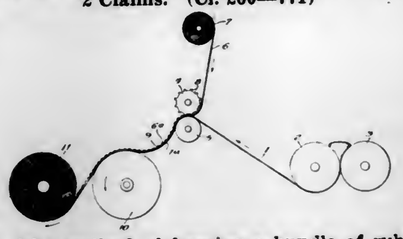
Apparatus for collecting dust dislodged by the application of a high velocity air jet to the front of a frame structure containing equipment to be cleaned, comprising a flat lattice having a central section and two end sections hinged to the central section, the three sections of said lattice being divisible into separatable upper and lower parts, the upper parts of said lattice supporting flat sheets of cloth to deflect the air impinging thereon and impound the air impinging thereon, the lower parts of said lattice being divided into two portions the lower of which supports a hard material impervious to air, and suction means and air filtering means, and the upper portion flat sheets of cloth, the lower portions of said end sections having openings for communicating with said suction means, the end sections of said lattice being adjustable so as to meet the rear of said frame structure to limit the space within which the dust-laden air may travel.

2,299,988

PROCESS OF TREATING RUBBER AND LIKE SUBSTANCES

Henry F. Irving, Gary, Ind., assignor to Marbon Corporation, Gary, Ind., a corporation of Delaware

Application March 27, 1939, Serial No. 264,406
2 Claims. (Cl. 260—771)



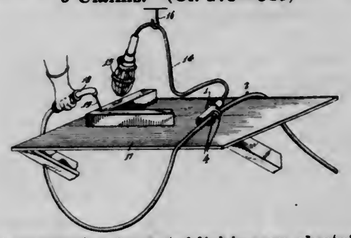
1. The method of forming a bundle of rubber particularly adapted for producing rubber derivatives by exothermal reaction with fluid reagents, which comprises passing sheets of rubber between rolls, one roll of which is a corrugating roll to form a composite sheet comprising a corrugated sheet and a flat sheet, shrinking said composite sheet after it leaves said rolls while maintaining said sheet in a loose condition so that it is free to shrink, said shrinking being carried out by heating at least the flat sheet of said composite sheet, and winding said composite sheet into a roll.

2,299,989

CONNECTOR FOR TEMPORARY LAMP CIRCUITS

Marvin H. Johnson, Baldwin Park, Calif.

Application January 6, 1942. Serial No. 425,770
5 Claims. (Cl. 173—340)



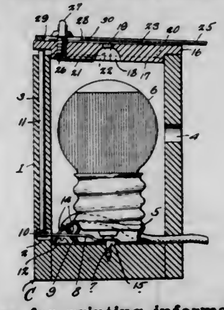
1. A connector for establishing an electric light circuit fed by an insulatingly sheathed welder's cable, comprising an elongated body having means for attaching the same to the exterior of the insulating sheath of the cable with the longitudinal axis of the body substantially parallel with the axis of the cable, said body having an insulated spur of conducting material to penetrate the insulating sheath to contact with the conductor within the cable, said spur having an insulated terminal for attaching a wire for the electric light circuit; and a second terminal grounded on the said body for connecting the other wire of the light circuit.

2,299,990

PHOTOGRAPHIC PRINT DATER

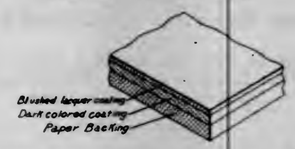
John Paul Jones, Fairmont, W. Va.

Application September 27, 1941, Serial No. 412,647
2 Claims. (Cl. 95—73)



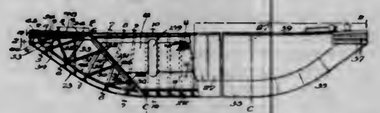
1. A device for printing information on sensitized paper, comprising a casing, a lid having an opening for the passage of light, a light-source in the casing, a movable exposure member on the outer surface of the lid, and carrying light-printing indicia cooperating with the opening, a light-baffle on the inner surface of the lid and movable toward and from the opening, means for mounting the lid on the casing, for free and complete removal therefrom, to the end that the exposure member and the baffle may be set whilst the lid is held in the hand of an operator, and is remote from the casing, and means responsive to the downward and upward movement of the lid for lighting and extinguishing said source, respectively.

2,299,991
CHART PAPER
Wilmer F. Kallock, Ware, Mass., assignor to McLaurin-Jones Co., Brookfield, Mass., a corporation of Massachusetts
Application January 18, 1941, Serial No. 375,042
7 Claims. (Cl. 234—74)



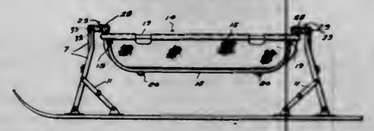
1. A pressure-sensitive inkless recording medium comprising a backing layer of paper providing a relatively dark-surfaced foundation and having thereon a relatively soft, stylus-pressure-sensitive blushed light-colored lacquer film, said film being normally opaque but adapted to become sufficiently transparent to disclose the underlying dark surface upon the application of stylus-pressure to said film.

2,299,992
BARGE
Andrew M. Kennedy, Sewickley, Pa.
Application May 24, 1939, Serial No. 275,558
9 Claims. (Cl. 114—79)



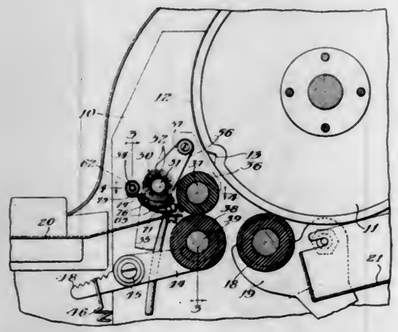
1. A barge of integral construction comprising a series of transverse U-shaped ribs having upwardly extending legs and horizontal portion spaced parallel to each other and extending continuously across the width of the barge, the ribs in the central part of the barge being vertical and the ribs adjacent each end being progressively shallower and tipped with progressively greater inclination toward the middle of the barge, hull plating attached to the outside of the ribs so as to form a flat-bottom hull with upwardly curving rake ends, and plates welded to the inside of the ribs so that the ribs, hull plating and inner plating cooperate to form box-girder-like hull walls.

2,299,993
SKI STRETCHER
William T. Kirk, El Portal, Calif.
Application September 16, 1941, Serial No. 411,063
4 Claims. (Cl. 280—12)



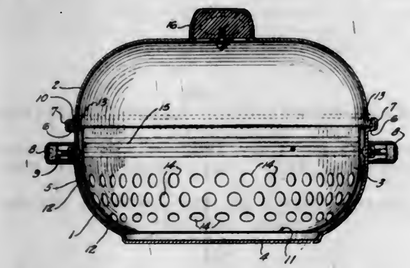
1. In a stretcher of the character described, a pair of runners, arch members connecting said runners together adjacent the front and rear ends of said runners, each arch embodying leg members pivoted at one end to the runners and having free apertured overlapping ends, a hammock suspended between the arches and embodying a frame provided at the respective opposite ends thereof with longitudinally extending saddles and pins carried by the respective arches for pivotally supporting said saddles.

2,299,994
MOISTENING MECHANISM
Stephen Kokay, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application May 4, 1939, Serial No. 271,671
10 Claims. (Cl. 91—48)



1. Apparatus for moistening a copy sheet or the like, comprising a roller for engaging the copy sheet, and means to supply liquid to said roller, said means comprising a brush journalled for rotation alongside said roller, and means to wet said brush with a liquid, said last named means including a wiper adapted to remove excess liquid from the brush before the brush transfers liquid to the roller.

2,299,995
SERVING OVEN
Elmore A. Kraemer, West Bend, Wis., assignor to West Bend Aluminum Company, West Bend, Wis., a corporation of Wisconsin
Application October 19, 1939, Serial No. 300,141
2 Claims. (Cl. 53—6)



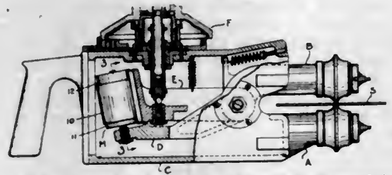
1. A serving oven comprising a base section, a food receptacle disposed within said base section, said receptacle having a flat imperforate bottom portion, and vertical side walls joined to said bottom portion by a curved portion, said curved portion being provided with a multiplicity of closely spaced holes, the lowermost of said holes being spaced from said bottom so that an imperforate dish-like bottom is formed by said bottom portion and the adjacent imperforate part of said curved portion, means on said side walls to hold said receptacle within said base section with its bottom portion, side walls, and curved portion in spaced relation to the base section, and a cover section for said base section.

2,299,996
WEARING APPAREL
Thea Kremer, Chicago, Ill.
Application May 31, 1941, Serial No. 395,931
1 Claim. (Cl. 2—211)



A packaged self-plaiting skirt of launderable plait-retaining material, packed into a small cylindrical plaited bundle, and means for drawing said skirt into and retaining it in plaited bundle form comprising a plurality of pliable gathering bands extending circumferentially of the skirt and slidably secured to said skirt, said bands being of sufficient length to surround the skirt when the skirt is expanded to be worn, one of said bands being adjacent the upper edge of the skirt, and a number of said bands surrounding a portion of said skirt intermediate the upper and lower edges of the skirt.

2,299,997
PRECISION MEASURING DEVICE
Aaron G. Ladrach, Portage Lakes, Ohio
Application June 12, 1940, Serial No. 340,087
12 Claims. (Cl. 33—148)



1. A device of the class described comprising a member shiftable in response to variations in distance, an element shiftable by said member and having an armature thereon, oppositely arranged electro-magnetic coils, means for mounting relatively fixedly said coils to be spaced on opposite sides of said armature, means independently of the armature for supplying a current of electricity to said coils, and means for shiftably mounting said element comprising spaced diaphragms of flexible material between which said element is supported.

2,299,998
MANUFACTURE OF DISKS
Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application December 26, 1939, Serial No. 310,989
3 Claims. (Cl. 29—159.01)



1. In the method of forming a pressed metal wheel disk, those steps comprising contracting one end portion of a tubular blank to form an inwardly curved portion, expanding the entire portion of the blank remaining unchanged after the contracting step to form an outwardly curved portion forming with the inwardly curved portion a continuous reverse curve, flattening the inner part of the inwardly curved portion and the outer part of the outwardly curved portion to form flattened portions and during the flattening steps recurving the portion of the reverse curve between the flattened portions to the final desired shape.

2,299,999
SALT CURING COMPOSITION
Alfred Lippman, Jr., Weeks, La., assignor to Bay Chemical Company, Inc., New Orleans, La., a corporation of Louisiana
No Drawing. Application November 7, 1939, Serial No. 303,319
3 Claims. (Cl. 99—143)

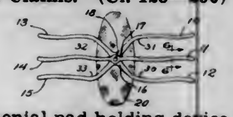
1. The method of making a damp, moist salt comprising thoroughly mixing with granules of common salt an aqueous solution substantially saturated with magnesium chloride and with a deliquescent sugar, in proportion to yield a final product containing 0.3 to 2.5 percent of magnesium chloride on the anhydrous basis, 0.5 to 3.0 percent of water, and 1 to 3 percent of a soluble sweet sugar.

2,300,000
INSTRUMENT FOR INDICATING ATMOSPHERIC CONDITIONS
Bertram F. Mayers, Valley Stream, N. Y.
Application March 14, 1941, Serial No. 383,408
13 Claims. (Cl. 73—336)



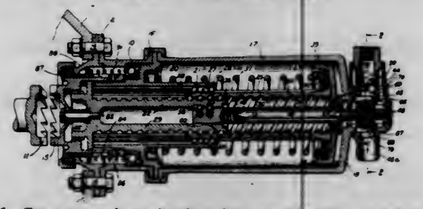
7. An instrument for indicating changes in atmospheric conditions comprising a length of straight transparent capillary tubing, the capillary passage having a relatively small, sealed, gas-filled, bulbous enlargement at one end thereof, a relatively large well of yieldable material sealed to the other end of said tubing, said well having a thin adhering coating of hygroscopic cellulose derivative on its outer face serving to vary the volume of the well with variations in humidity of the atmosphere, and liquid in the well and in the bulbous enlargement and extending therefrom into the capillary and toward each other, the capillary ends of the two columns of liquid being spaced a substantial distance, this space constituting an indicating zone which is movable along the length of the tube in response to the combined effect of pressure temperature and humidity of the atmosphere.

2,300,001
CATAMENIAL PAD HOLDING DEVICE
Emanuel R. Morando, New York, N. Y.
Application March 18, 1942, Serial No. 435,154
4 Claims. (Cl. 128—290)



1. A catamenial pad holding device of the class described comprising a pad support having on opposite sides thereof two groups of spring fingers, each group including a central member having a base part and a terminal portion, front and back members on opposite sides of the central member and having respectively forwardly and outwardly inclined and backwardly and outwardly inclined base parts, and free portions extending from said parts and having rounded and expanded terminals thereon.

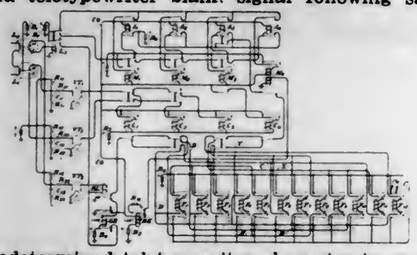
2,300,002
ENGINE STARTING MECHANISM
Romeo M. Nardone, Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 26, 1940, Serial No. 371,846
4 Claims. (Cl. 123—179)



1. In an engine starter, in combination, a starting means having an axially movable, rotatable engine engaging member, means for driving said engine-engaging member, said driving means including a second axially movable member, a compression spring interposed between said two members, a clutch element rotatable with said engine engaging member, means engageable with said clutch element to move said engine engaging member axially in a direction away from the engine engaging position in response to a sudden increase of resistance to cranking resulting from a "back-fire" or the like, and fluid pressure actuated means constantly exerting pressure upon said compression spring to urge said engine engaging member back to engine engaging position during the "back-fire" period.

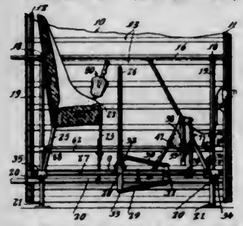
2,300,003
SELECTIVE SIGNALING SYSTEM
James T. Neiswinter, South Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 26, 1941, Serial No. 399,782
7 Claims. (Cl. 178—33)

1. In a signaling system, the combination of a signaling circuit over which teletypewriter coded characters may be sent, first and second sets of relays, means responsive to a teletypewriter blank signal transmitted over said signaling circuit to release all of the relays of said first and second sets, means responsive to a predetermined teletypewriter character transmitted over said signaling circuit following said blank signal to operate predetermined relays of the first set and prepare for the operation of but one of the relays of the second set, and means responsive to a second teletypewriter blank signal following said



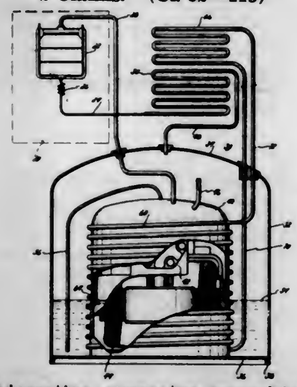
predetermined teletypewriter character to operate the prepared relay of the second set.

2,300,004
AIRCRAFT PILOT TRAINING DEVICE
Hugh Nicholson, Oxnard, Calif., assignor to Aircraft Industries Co., Glendale, Calif., a partnership firm
Application March 23, 1942, Serial No. 435,815
7 Claims. (Cl. 35—12)



1. An aircraft pilot training machine comprising two rudder pedals movable in simulation of the steering movement of the rudder pedals of an airplane, a manually operable control stick movable to simulate the movements of the control stick of an airplane for banking the airplane, and means directly interconnecting said pedals and control stick for forcing correlated movement of each in response to movement of the other.

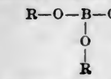
2,300,005
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application May 24, 1939, Serial No. 275,379
2 Claims. (Cl. 62—115)



1. Refrigerating apparatus comprising a motor-compressor unit, a casing enclosing said unit and being arranged in heat exchange relation therewith, a second casing enclosing the first casing for receiving refrigerant discharged by said compressor and being adapted to contain a quantity of lubricant, a condenser for condensing said refrigerant, and a volatile refrigerant containing member extending into said lubricant and being directly secured to said first casing adjacent said motor and said compressor for absorbing heat therefrom and including a condensing portion disposed exteriorly of said second casing.

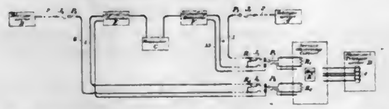
2,300,006
(DI-ARYL) BORATES
Ralph F. Prescott, Robert C. Dosser, and John J. Sculati, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 16, 1940, Serial No. 356,986
7 Claims. (Cl. 260—462)

1. A compound having the formula



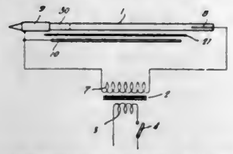
wherein R represents an aromatic radical and R′ represents a diaryl radical of the benzene series.

2,300,007
TELEGRAPH SYSTEM
Kenneth Watson Richards, Packanack Lake, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 3, 1941, Serial No. 421,414
5 Claims. (Cl. 178—69)



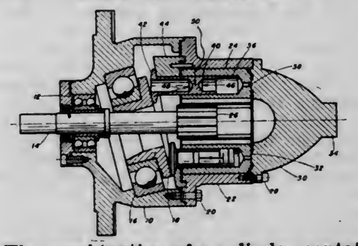
1. A telegraph system including two stations interconnected by a transmission line, and means for observing the service between said stations comprising service observing equipment adapted to be connected to said line, signal receiving apparatus connected to said equipment, said signal receiving apparatus including a line relay having an operating winding and a biasing winding, said service observing equipment including switching mechanism adapted to be thrown from a neutral position to a first or a second position, a circuit including said biasing winding, and means controlled by the operation of said switching mechanism for reversing the direction of current flow in the circuit including said biasing winding.

2,300,008
RADIATION DEVICE
August H. Riess and Clarence P. Rolfe, Lawndale, Calif.; said Rolfe assignor to said Riess
Application July 19, 1940, Serial No. 346,367
9 Claims. (Cl. 176—124)



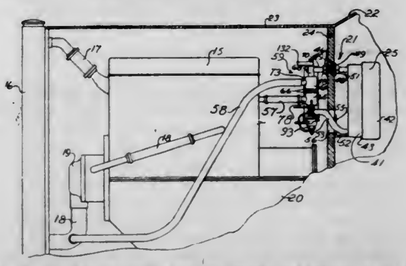
1. In a therapeutic device, a tube in the form of a flat grid adapted to be electrically energized to produce radiations, said tube at one extremity having a conductor external of the tube and forming the terminal for one end of said tube, said conductor providing an external electrode for the tube and forming the sole electrode at said extremity, and a conducting plate substantially entirely coextensive with the tube, over which the tube is supported, and in conducting relation to the terminal conductor.

2,300,009
POWER TRANSMISSION
Edwin L. Rose, Watertown, Conn., assignor to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut
Application September 15, 1937, Serial No. 163,883
5 Claims. (Cl. 309—6)



1. The combination of a cylinder containing a fluid under pressure and a piston subject to a side thrust, and means for stabilizing the piston laterally in the cylinder comprising means forming conduits each having a restricted portion lying entirely within the piston body for feeding said fluid from the cylinder to the side walls of the piston, said conduits being so proportioned as to cause a pressure drop in the fluid passing therethrough, which increases with an increase in clearance between the piston and cylinder at the discharge end of any conduit, and means including relatively unrestricted grooves on the piston surface and communicating with a point of low pressure outside the cylinder for limiting the pressure area over which fluid supplied by any conduit is effective, whereby fluid pressure forces are produced tending to maintain the piston centralized in the cylinder.

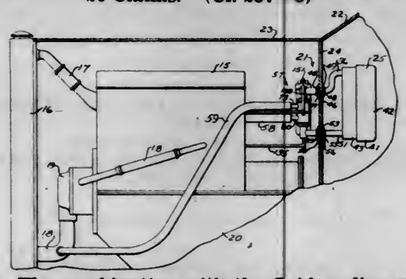
2,300,010
COMBINATION HOT WATER AND STEAM HEATER
Harry Rose, Wyandotte, Mich.
Application September 12, 1938, Serial No. 229,540
2 Claims. (Cl. 237—8)



2. A combination heated fluid medium and hot vapor medium heating apparatus, comprising a heating unit including a blower adapted to be driven to cause air to be circulated in contact with said heating unit, means for diverting fluid-cooling medium from a circulating system of an internal combustion engine and for utilizing the

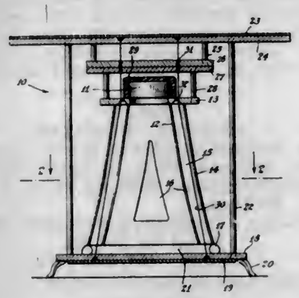
diverted fluid-cooling medium at the heating unit as heated fluid medium for raising the temperature of said heating unit, said means including a connection for conveying fluid-cooling medium from the internal combustion engine to the heating unit and a connection for conveying fluid-cooling medium from said heating unit to said internal combustion engine, a plurality of control bellows including a control bellows in each of said mentioned connections and adapted to be expanded in response to increase of temperature of the fluid-cooling medium and to be contracted in response to decrease of temperature of said fluid-cooling medium, a plurality of valve means including a valve in each of said mentioned connections adapted to be actuated by each of said control bellows, a boiler adapted to contain fluid medium, a burner for heating said boiler to provide hot vapor medium for raising the temperature of said heating unit, a connection for directing flow of hot vapor medium from the boiler to the heating unit, a connection for directing flow of fluid medium from said heating unit to said boiler, said burner being adapted to be operative to heat said boiler to transform fluid medium therein to hot vapor medium and said hot vapor medium being adapted to travel to said heating unit and there become condensed and to return to said boiler, and means for causing said burner to be operative to heat said boiler when said control bellows are in relatively contracted conditions and to be incapable of imparting heat to the boiler when the control bellows are in comparatively expanded conditions, said valves being adapted to cause said connections for conveying fluid-cooling medium from said internal combustion engine to said heating unit to be open when said burner is incapable of imparting heat to said boiler and to be shut off when said burner is operative to heat said boiler.

2,300,011
HEATER
Harry Rose, Wyandotte, Mich.
Application June 12, 1939, Serial No. 278,704
26 Claims. (Cl. 237—8)



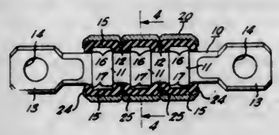
1. The combination with the fluid cooling system of an internal combustion engine, of independent heater means, control means for said heater means, heat transfer means, means connecting said cooling system and said heater means, respectively, to said heat transfer means, flow control means in said connecting means, and thermostatic means responsive to the temperature of the fluid in said cooling system for actuating said flow and heater control means upon a decrease in fluid temperature to cause flow to be at least substantially shut off from the cooling system to the heat transfer means and to render the heater means operative and upon an increase in fluid temperature to cause flow in substantial quantity from said cooling system to said heat transfer means and to render said heater means inoperative.

2,300,012
MUSICAL INSTRUMENT
Samuel Rubinstein, New York, N. Y.
Application April 2, 1941, Serial No. 386,410
6 Claims. (Cl. 84—174)



1. A musical device including a tapered sound conducting conduit open to atmosphere at its large end and having its walls adapted to respond to sound vibrations, a sound source of the diaphragm type located at the small end of said conduit and being in communication therewith, strings free of the sound source and responsive to sound vibrations, and means for mounting the strings so that they lie within the conduit and in close operative proximity to the walls thereof and in spaced relation to the central region of the conduit.

2,300,013
TORSION JOINT
Frederick W. Sampson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 16, 1942, Serial No. 427,022
6 Claims. (Cl. 287—85)

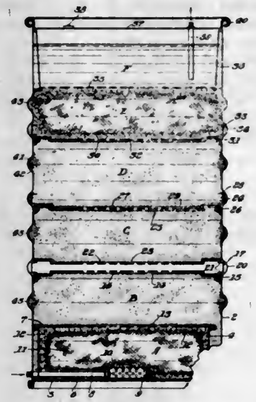


1. A yielding torsion joint comprising: an inner member having a plurality of exterior ridges thereon, an individual flexible rubber bushing surrounding each of said ridges, an outer metal sleeve surrounding said inner member and said rubber bushings and collapsed endwise thereupon in such manner as to form inwardly extending baffles from the metal of said sleeve, said baffles being located on opposite sides of said exterior ridges of said inner member and serving to compress said rubber bushings endwise against said ridges.

2,300,014
LIQUID FILTER
George E. Saussure, Pittsburgh, Pa.
Application July 24, 1939, Serial No. 286,135
6 Claims. (Cl. 210—134)

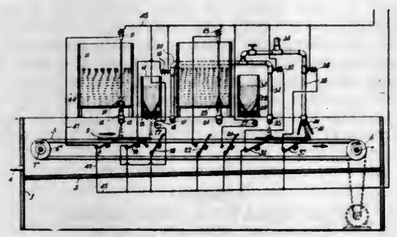
5. In a filter of the character described, a case having an inlet and an outlet, a bed of filtering material in the path of liquid flow, a circulation control plate below said bed in the path of liquid flow having a central perforate portion and an outer impervious portion, abutment means interiorly of the case interengaged with the wall

of the case, said means being abutted by the outlet side of said plate, and a gasket means



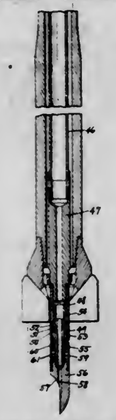
within the case engaging said wall and on which said plate at its other side rests.

2,300,015
METHOD FOR TREATING ELECTROTYPE MATRICES
Albert H. Schomaker, Bellevue, Ky., assignor to The Rapid Electrotype Company, Cincinnati, Ohio, a corporation of Ohio
Application May 24, 1939, Serial No. 275,569
5 Claims. (Cl. 204—6)



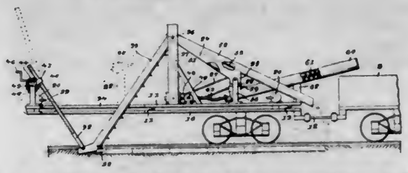
5. The method of treating a graphite coated surface of an electrotype matrix with a liquid acid solution and fine metallic granules to produce a metallic film thereon, which consists in transporting the matrix in a horizontal plane continuously at a determined rate for the period of treatment, with the graphite coated side upward, administering thereon from dispensers stationed thereabove, separately and in a consecutive order the liquid solution, fine metallic granules, and a spray for agitating and cooling the solution and granules on the surface of the matrix, delivering said several products and spray from the dispensers onto the surface of the moving matrix crosswise for the full width thereof, effecting thereby and together with the travel of the matrix a progressive uniform application and treatment, finally administering a liquid under pressure crosswise for the full width of the matrix to progressively with the travel of the matrix cleanse the surface of the solution and loose particles thereon, and automatically individually controlling the delivery of each dispenser by the moving matrix and the period of delivery by the length and rate of travel of the moving matrix.

2,300,016
DIRECTIONAL DRILLING APPARATUS
George L. Scott, Compton, Calif., and Wiley B. Noble, Houston, Tex., assignors to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application April 3, 1939, Serial No. 265,669
14 Claims. (Cl. 255—1.6)



14. In a device of the character described comprising a member adapted to be carried by a drilling bit, means for mounting said member on said drilling bit with a portion of said member projecting ahead of the bit in normal axial alignment therewith, said member having its forward end shaped to be deflected in one predetermined direction with respect to said mounting means upon coming in contact with the bottom of a well hole, whereby upon continuing of the drilling operation said member will serve to lead said drilling bit in the direction of said deflection, and a further means for rigidly securing said deflecting member in projecting position.

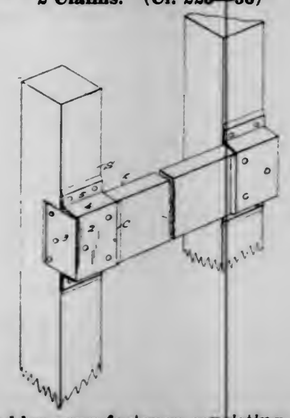
2,300,017
RAILWAY ROADBED CLEANER
John R. Shaffer, Cumberland, Md.
Application October 11, 1941, Serial No. 414,693
2 Claims. (Cl. 262—2)



1. A railway roadbed cleaner comprising a flat car, a platform on the flat car, a track for the platform disposed transversely on the flat car, movable air cylinders fixed transversely to the platform having stationary pistons fixed to the flat car, a source of air pressure, air pipes connected to respective ends of the cylinders, a valve controlling the supply of air to the air pipes for moving the cylinders endwise on the pistons for sliding the platform laterally beyond one side of the flat car, there being an elongated recess in the platform, an endless elevator mounted at the platform at one end of the recess adapted to extend downwardly through the recess when the platform is slid to its outward limit of movement, a shovel blade on the lower end of the elevator adapted to load material from a railway roadbed

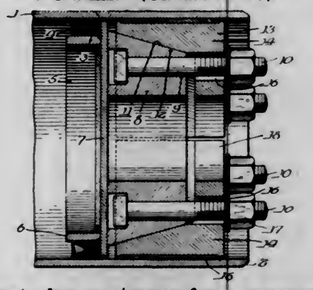
onto the elevator as the flat car travels forwardly, means for raising and lowering the elevator through the recess, means for screening discardable material from the roadbed material delivered by the elevator, and means for returning the roadbed material to the roadbed subsequent to the screening thereof.

2,300,018
LADDER STRUCTURE
Francis D. Shuck, Santa Monica, Calif.
Application April 5, 1941, Serial No. 387,037
2 Claims. (Cl. 228—58)



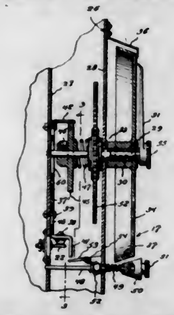
1. A ladder rung fastener consisting of a front wall to lap on the outer face of an applied rung, top and bottom flanges bent rearward from the opposite ends of the said wall and being of slightly less width than the thickness of the given rung and nailing lips along the said flanges, the said flanges forming tension parts to hold down the lapped and nailed rung, and a lateral wall bent rearwardly from the outer side of the front wall and adapted to cover the rear end of the applied rung and being fixable to the lateral face of a stile to which the rung is lapped.

2,300,019
PRESSURE TESTING APPARATUS
Julius R. Smak, Bridgeport, Conn., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application January 27, 1941, Serial No. 376,165
5 Claims. (Cl. 220—24.5)



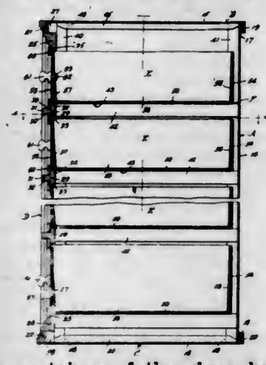
4. A test plug or stopper for a pressure vessel, comprising in combination an expansible locking unit and a separate axially movable sealing unit, said locking unit consisting of a motion retarding high friction material normally compressed between the wall of said pressure vessel and the outer periphery of an inner member, the latter comprising circular, segmented, radially expansible wedging means, the said wedging means having generally frusto-conical combined pressure- and screw-operable wedging members, an annular gasket having a hollowed-out face portion exposed to internal pressure, a supporting member for said gasket, the said supporting member bearing against the wedging means to transmit the internal pressure of the vessel thereagainst.

2,300,020
TIME SWITCH
Leo V. Smith, South Tacoma, Wash.
Application May 26, 1941, Serial No. 395,293
2 Claims. (Cl. 200—38)



1. In a switch operating device, a rotatably supported shaft, a sleeve journaled on the shaft, a dial bearing indicia secured to said sleeve, a fixed indicator for said dial, a switch operating cam secured to said shaft, an overrunning clutch secured to said sleeve, a gear driven by a clock mechanism secured to the clutch for rotating the dial in one direction relative to said indicator, a coil spring engaging the clutch and the cam for rotating the latter with the dial, and a hand operated indicator associated with the dial and secured to the shaft whereby the cam may be manually rotated relative to the dial and the clutch.

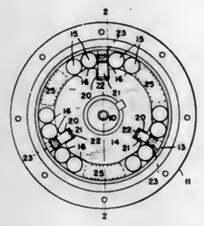
2,300,021
MULTIDRAWER CONTAINER
Sol Stone, Brooklyn, N. Y.
Application August 28, 1940, Serial No. 354,475
3 Claims. (Cl. 312—150)



1. In a container of the class described, the combination of a collapsible box structure having a longitudinally extending front opening, a rigid rectangular frame removably mounted in

said opening and having cross strips providing drawer receiving openings, oppositely disposed rigid drawer supporting and guiding frames located within the box structure and including vertical members and cross members secured to the inner faces of the vertical members and extending rearwardly from the cross strips of the rectangular frame adjacent the opposite sides thereof, and socket means carried by the upper and lower walls of the box structure adapted to detachably receive the opposite ends of the said vertical members for removably securing the frames in position and said drawer supporting and guiding frames being adapted for slidably receiving the drawers of the container and for supporting the same with the weight thereof transmitted to the bottom wall of the box structure to thereby relieve the side walls of the weight of said drawers, and said drawer supporting and guiding frames also including longitudinally extending webs disposed between the vertical members and secured to the cross members thereof for preventing canting of the drawers.

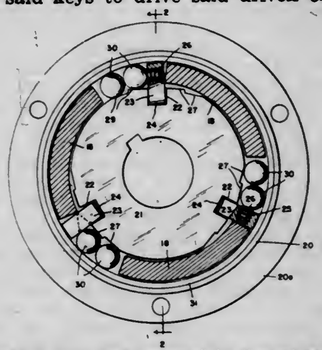
2,300,022
SHAFT OPERATING AND LOCKING DEVICE
Guy E. Swartz, Detroit, Mich.
Application November 17, 1941, Serial No. 419,459
4 Claims. (Cl. 192—8)



1. In a rotating and locking device for a shaft, a driven element secured to said shaft, a stationary housing for said driven element, locking rolls between said driven element and the wall of said housing and adapted to be wedged therebetween to lock said driven element against return movement, a radially arranged key carried by said driven element and loosely mounted therein, said key extending to and into contact with said housing, resilient means between said key and said rolls, driving means adapted to act against said rolls to drive said driven element, and means for maintaining said key in a radial position.

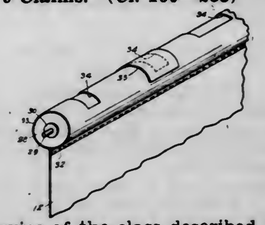
2,300,023
SHAFT OPERATING AND LOCKING DEVICE
Guy E. Swartz, Detroit, Mich.
Application November 17, 1941, Serial No. 419,460
3 Claims. (Cl. 192—8)

1. In a rotating and locking device for a shaft, a generally circular driven element secured to said shaft and provided with cam surfaces, a stationary circular housing for said driven element, locking rolls between said driven element and the inner wall of said housing and adapted to be wedged therebetween to lock said driven element against return movement, a radially arranged key carried by said driven element and loosely mounted therein and projecting into the path of said rolls, resilient means carried by said keys and adapted to resiliently thrust said rolls into wedged position, driving means adapted to act against said keys to drive said driven element,



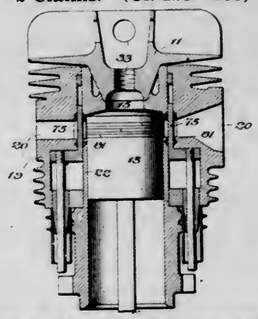
and resilient means arranged to thrust said keys radially outward.

2,300,024
REPLACEMENT SHADE STRUCTURE
Gertrude H. Terrell, Cincinnati, Ohio, assignor to William Morse Hicks, Cincinnati, Ohio
Application November 17, 1939, Serial No. 304,992
9 Claims. (Cl. 160—238)



4. In a device of the class described, the combination of a window shade roller, a shade web having a perforated end turned upon itself and fastened to provide a hem in which the roller is disposed, and an adhesive patch applied exteriorly upon the hem and over the aperture thereof to contact and fix the roller relative to the hem and the patch.

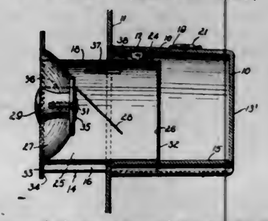
2,300,025
VALVE AND COMBUSTION CHAMBER OF FOUR-STROKE INTERNAL COMBUSTION ENGINES
William Charles Tomkins, Portslade-by-Sea, England
Application November 27, 1941, Serial No. 420,719
In Great Britain September 4, 1940
2 Claims. (Cl. 123—188)



1. A four-stroke internal combustion engine comprising a cylinder, a piston adapted to re-

ciprocate therein, valve portways opening into the wall of the cylinder, sliding valves operating in passages provided in the cylinder walls, said valves being individual to the portways and each being arranged to pass across the associated portway, each of said portways being provided with a pair of recesses provided on the respective sides of the associated valve, each of said recesses having an inclined base, a pair of springy and transversely split sealing washers adapted to fit into the respective recesses and each of said washers having an inclined face adapted to bed on the inclined base of the associated recess, each of said sealing washers being provided with a pair of opposite segmental flat cheeks thinner than the base of the wedge section of the washer and being formed as a continuation of the valve contacting face of the washer, and segmental flat cheek extensions of the cylinder wall being formed in each of said portways in register with said cheeks of said washers and providing bearing surfaces therefor, the spring force exerted by each washer tending to increase the diameter of said washer and the arrangement of the mutually engaged inclined faces being such that by their co-operation in conjunction with the spring force of the washer, said washer is urged to maintain surface contact with the respective opposite sides of said valve, whereby said slide valve is floatingly reciprocated between said spring washers on its respective sides.

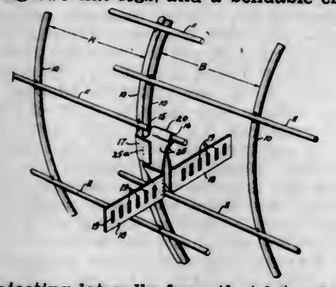
2,300,026
ASH RECEPTACLE
John Visser, Grand Rapids, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application July 1, 1939, Serial No. 282,431
3 Claims. (Cl. 206—19.5)



1. In a container assembly including a supporting structure having an opening and a container movable into and out of said opening, said supporting structure including a portion adapted to cover said container when said container is moved into said opening, rollers located in apertures in said cover portion and engaging the top edge of said container, and bearings mounted on said supporting structure extending through said rollers for securing said rollers to said supporting structure, the sides of said apertures forming shoulders at the ends of said rollers for preventing endwise movement thereof on said bearings.

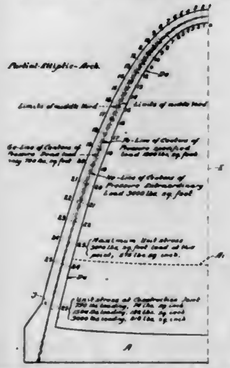
2,300,027
REINFORCEMENT CLIP AND SPACER
Ernest H. Wilcox, Los Angeles, Calif.
Application August 8, 1939, Serial No. 288,970
4 Claims. (Cl. 72—122)

1. A one-piece clip adapted to be applied to crossed rods or the like, said clip being formed of a single piece of relatively thin flat bendable material, having a central U-shaped portion adapted to fit over one of a pair of crossed rods and to be bent into clamping engagement with that rod, said U-shaped portion having at one edge of its U-bend a notch adapted to receive the other of the pair of crossed rods, said U-shaped portion including two flat legs, and a bendable clamping



tab projecting laterally from that lateral edge of one of said legs that corresponds with the notched edge of the U-shaped portion, said tab projecting beyond said U-shaped portion so as to be bendable about the rod received within said notch.

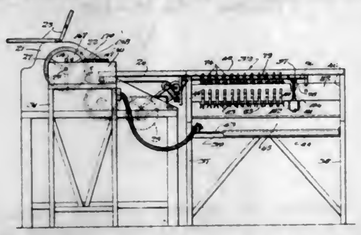
2,300,028
TUNNEL AND SIMILAR STRUCTURES
Ernest H. Wilcox, Los Angeles, Calif.
Application December 1, 1939, Serial No. 307,075
4 Claims. (Cl. 61—45)



1. In a tunnel or the like having a floor, an arch wall springing at both sides from a base on the floor and having a central upper crown, and having the form of the upper portion of an ellipse whose major axis is vertical, the height of the arch crown above the arch base being substantially not more than a minor fraction of the semi-major diameter of the ellipse; all so that the center line of internal pressures within the arch wall, due to its own weight and finite uniformly distributed superimposed loading, lies wholly within the center third of the transverse section of the arch wall.

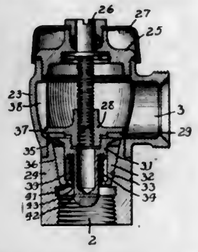
2,300,029
SORTING DEVICE FOR DUPLICATING MACHINES
Robert Alonzo Williams, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application June 19, 1941, Serial No. 398,799
25 Claims. (Cl. 93—93)

1. In a device of the character described, a sheet advancing mechanism, a series of pockets arranged with openings in the path of sheets advanced by said mechanism, gates for closing said pocket openings, means for selectively closing said gates upon receipt of a selected number of sheets therein, and means operable to shift the



sheets deposited in said pockets laterally edgewise to extend beyond the pockets whereby they may be removed.

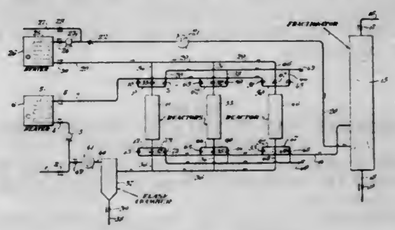
2,300,030
VALVE
Roy H. Zinkil, Oak Park, Edward A. Fredrickson, Chicago, and Eugene W. Marchand, Jr., Maywood, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application June 10, 1940, Serial No. 339,640
3 Claims. (Cl. 137—111)



1. A quiet-flow valve comprising a casing having an inlet and an outlet, the casing having a frusto-conical seat between the said inlet and outlet, the said seat being provided with a roughened surface, closure means for the said inlet comprising respectively an axially movable closure member and a resiliently mounted throttling member, the latter member being supported by the said closure member and normally maintained in spaced-apart relation therefrom by a resilient annular element substantially contained within the said throttling member, the said latter member having a roughened surface adapted to cooperate with the roughened surface of the said seat whereby an annular space is permitted between the said seat and the said throttling member to accurately define the fluid flow within the said valve in response to line flow fluctuations, the said throttling member being snugly mounted telescopically upon a lower portion of the said closure member to provide a housing for the said resilient annular element.

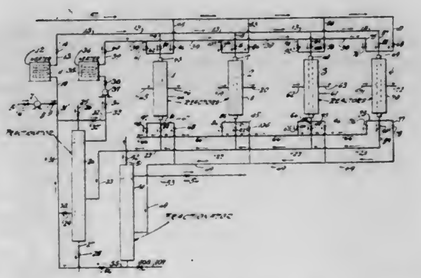
2,300,031
CATALYTIC CRACKING OF HYDROCARBONS
Wayne L. Benedict, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 8, 1939, Serial No. 308,157
7 Claims. (Cl. 196—49)

7. A catalytic conversion process which comprises contacting hydrocarbon oil with a body of cracking catalyst at a temperature in the approximate range of 500–900° F. to produce gasoline of relatively low olefin content, then contacting said body of catalyst with hydrocarbon oil heated to a temperature of about 950–1200° F. to produce gasoline of higher olefin content than the first-named gasoline and to raise the temperature of the catalyst body to that at which



combustion of carbonaceous matter, deposited on the catalyst during the aforesaid conversion steps, will be initiated in the presence of oxygen, and then contacting said body of catalyst with oxygen-containing gas to burn carbonaceous matter from the catalyst and thereby reactivate the latter.

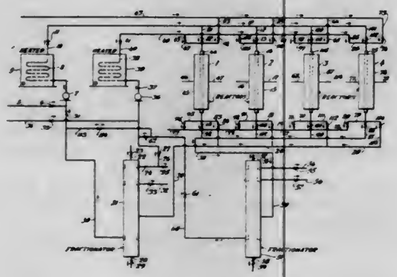
2,300,032
PROCESS FOR CATALYTIC CONVERSION OF HYDROCARBONS
Louis S. Kassel, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 30, 1939, Serial No. 306,934
11 Claims. (Cl. 196—52)



1. A continuous catalytic process for converting normally liquid hydrocarbons into high yields of desirable products including substantially olefin-free high antiknock distillate suitable for use in aviation fuel which comprises converting said hydrocarbons in a plurality of substantially identical conversion zones serially arranged wherein the flow of hydrocarbons to, and the withdrawal of reaction products from the entire group of said conversion zones is substantially constant, and wherein the repeated sequence of steps is carried out in each of said conversion zones in a cyclic manner comprising a primary step wherein a stream of olefinic gasoline is contacted with a freshly reactivated catalyst under conditions of temperature and pressure adequate to produce a substantial yield of substantially saturated high octane distillate, a secondary step in which a separate stream of hydrocarbons heavier than gasoline is contacted with partially spent catalyst from the primary step at a relatively higher tem-

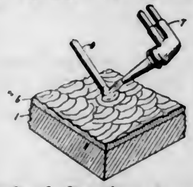
perature to produce a substantial yield of relatively olefinic gasoline, a tertiary step in which the spent catalyst from the secondary step is partially reactivated by treatment with oxygen-containing gas at a temperature substantially higher than that suitable for the primary step, a quaternary step in which reactivation is completed while the catalyst temperature is being restored to that suitable for said primary step, recovering the gasoline formed, and returning a portion of the insufficiently converted oil for further conversion.

2,300,033
PROCESS FOR CATALYTIC CONVERSION OF HYDROCARBONS
Louis S. Kassel, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 30, 1939, Serial No. 306,935
5 Claims. (Cl. 196—52)



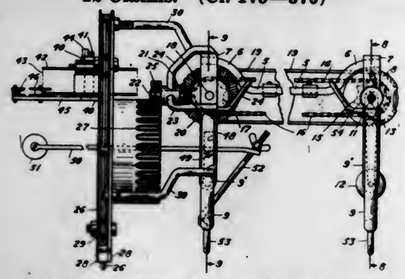
1. A continuous process for converting hydrocarbon oil into high yields of substantially olefin-free gasoline which comprises converting said oil in a plurality of catalytic conversion stages serially arranged wherein the repeated sequence of steps is carried out at each of said catalytic conversion stages comprising a primary step of contacting an olefin-containing gasoline mixed with insufficiently converted oil produced as hereinafter described, with a cracking catalyst under conditions of temperature and pressure adequate to effect substantial conversion thereof into substantially olefin-free gasoline, a secondary step of contacting said hydrocarbon oil with a cracking catalyst under conditions of temperature and pressure adequate to produce substantial conversion thereof into olefin-containing gasoline and insufficiently converted oil for conversion in said primary step, a tertiary step of partially reactivating said cracking catalyst used in said primary and secondary steps with an oxygen-containing gas at a temperature in excess of that used for processing in said primary step, a quaternary step of completing the reactivation of said cracking catalyst with an oxygen-containing gas while restoring the temperature to that required for processing in said primary step, maintaining said primary step and said quaternary step in heat exchange relationship by means of a circulating fluid heat exchange medium, maintaining said secondary step and said tertiary step in heat exchange relationship by means of a separate circulating fluid heat exchange medium, recovering the gasoline from said primary step, recovering the gas from said secondary step, and withdrawing a minor portion of residue unsuitable for further conversion.

2,300,034
MOLD AND PROCESS OF MANUFACTURE
Henry E. McWane, Lynchburg, Va.
Application June 29, 1939, Serial No. 281,971
6 Claims. (Cl. 22—136)



1. A method of forming a mold comprising forming a mold cavity and then building up the backing therefor by welding relatively small pieces of backing metal thereon, and continuing this building up process until the backing is of the desired thickness.

2,300,035
MEANS FOR SUSPENDING AERIAL CABLES
Dory Jacob Neale, Topeka, Kans., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 1, 1940, Serial No. 349,335
12 Claims. (Cl. 175—376)

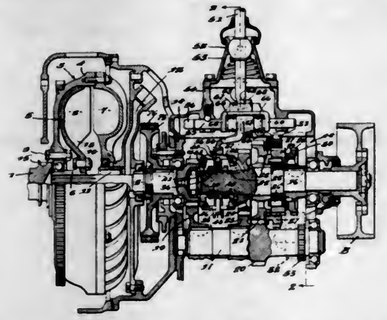


1. A device for securing a cable to a messenger strand by lashing material, which includes a cable car having sheaves for engaging the strand and also having a seat for an operator, a spinning head rotatable about the cable and messenger strand carrying lashing material and being operated by said sheaves, and means controlled by the operator for rotating said sheaves to propel the device along the strand whereby movement is imparted to the geared spinning head to cause it to rotate about the strand and cable and wrap the lashing material thereto as the device is advanced.

2,300,036
CHANGE SPEED TRANSMISSION GEARING
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio
Application May 3, 1940, Serial No. 333,200
3 Claims. (Cl. 74—333)

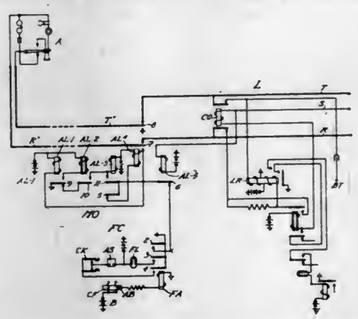
1. In a transmission mechanism, a change-speed transmission gearing including an input shaft, an output shaft, a countershaft, a plurality of trains of gears between the shafts to drive the output shaft at different speeds including a reverse gear train, the rotation of the low forward speed being transmitted to the output shaft through an over-running clutch, a double clutch operable in opposite directions from neutral to connect the input and output shaft through either of two higher gear trains, a clutch gear normally clutched to one of the gears of the low forward speed train and the drive section of

the over-running clutch and shiftable out of engagement therewith into exclusive neutral engagement with the drive section of the over-running clutch and from neutral position into the reverse gear train, shifting mechanism comprising a selecting and shifting lever having a fore-and-aft shifting movement and a lateral selecting movement in a path in the general outline of a figure four and selectively operable shifters connected respectively to the double clutch, and the clutch gear, the shifting lever



being movable from central first speed position in one direction along the leg of the figure four outline into second and third speeds forward position and having a selecting movement laterally along the horizontal portion of the figure four formation and along the short arm of the figure four formation to shift the clutch gear out of engagement with the gear of the low speed train in neutral position and to the end of the arm of the figure four outline to shift the clutch gear into the reverse gear train.

2,300,037
ALARM SYSTEM
Norman H. Saunders, Chicago, Ill., assignor to Kellogg Switchboard & Supply Co., Chicago, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 350,965
11 Claims. (Cl. 179—27)

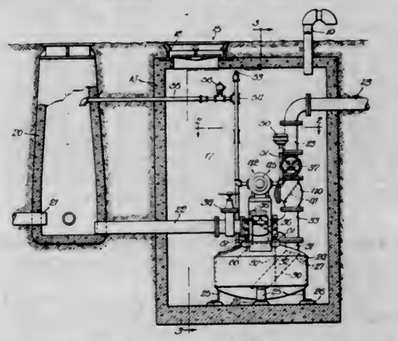


1. An alarm circuit for an automatic telephone system comprising relay alarm means for interrupting a calling substation circuit and locking the circuit open due to an abnormal condition of the systems; and relay means responsive to a dialed impulse from said calling station arranged to render said first named relay means ineffective whereby a calling circuit can be completed irrespective of the condition of said alarm means.

2,300,038
MEANS FOR TEACHING TELEGRAPHY
Gilbert M. Wright, Los Angeles, Calif.
No Drawing. Application September 9, 1940, Serial No. 356,037
5 Claims. (Cl. 35—14)

1. A sound record for use in teaching Morse code and the like, said sound record comprising groups of code pulsations representing letters of the alphabet, each group of code pulsations having superimposed thereon the voice sound of the corresponding letter.

2,300,039
PACKAGE TYPE SEWAGE EJECTOR
Charles Yeomans, Hubbard Woods, and Harold T. Jeffery, Chicago, Ill., assignors to Yeomans Brothers Company, Chicago, Ill., a corporation of Delaware
Application August 3, 1940, Serial No. 350,442
6 Claims. (Cl. 103—241)

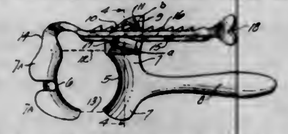


1. A sewage ejector installation comprising, in combination; a closed pit; an air inlet into said pit; and a pneumatic sewage ejector completely housed in said pit and comprising an air-tight sewage receiver, a sewage inlet conduit connecting said sewage receiver with the sewage supply outside of said pit, a one-way inlet valve in said sewage inlet conduit, a sewage ejection conduit connected to said sewage receiver and terminating outside of said pit, a one-way outlet valve in said sewage ejection conduit, an air compressor adapted to draw air into said pit through said air inlet therein and connected to said sewage receiver for delivering compressed air thereinto, driving means for said air compressor connected in driving relationship therewith, an air intake in said pit for said air compressor, air vent means connected with said sewage receiver and opening outside of said pit, valve means for said air vent means, and control means responsive to the liquid level of the sewage in said sewage receiver for controlling said air compressor and said air vent valve means.

2,300,040
SURGICAL SPECULUM
Frank A. Betts, Fort Collins, Colo.
Application May 31, 1940, Serial No. 338,191
2 Claims. (Cl. 128—3)

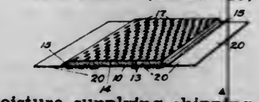
1. A surgical speculum for use in holding a body orifice in open position to permit examination and treatment of the wall thereof, comprising two blades of concavo-convex cross section arranged with their concave surfaces in opposed relation, a handle extending outwardly from the convex surface of one of the blades near the

outer end thereof, said blade having a projection extending laterally from one edge of the blade near the outer end thereof, said lateral projection having a noncircular opening whose axis extends substantially parallel with the handle, said opening being tapered in the direction of the concave side of the blade, the axis of the opening being positioned to one side of the handle, beyond the corresponding edge of the blade, the other blade having an integral bar positioned to one side of the center line thereof, substantially the same distance as the axis of the opening and extending in the direction of the concave surface, said bar having a transverse cross section of a



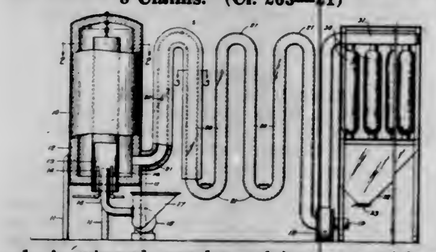
size and shape to fit the smaller end of the opening the bar projecting through said opening in substantial parallel relation with the handle and at a point above the latter, whereby it can be engaged and manipulated by the thumb of a hand holding the handle, and latching means comprising opposed interengaging latching teeth on the bar and on the inner surface of the opening for latching the blades in spaced relation in opposition to a force tending to move the blades together, the bar being rockable in the opening to effect a release of the latching means.

2,300,041
METHOD OF MAKING MOISTURE SUPPLYING SHIPPING PADS AND THE PRODUCTS THEREOF
Luther Samuel Bradley, Deming, Wash.
Application March 25, 1940, Serial No. 325,805
13 Claims. (Cl. 47—38)



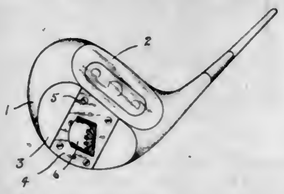
1. A moisture supplying shipping pad formed of a water resistant base member; a water absorbent material layer disposed on said base member and spaced inwardly from two opposite edges of the base member to leave two wing members extending along two opposite side portions of said pad; and a perforated cover member positioned over said water absorbent material and secured to said two wing members.

2,300,042
CALCINING APPARATUS
Lyle Caldwell, Los Angeles, Calif., assignor to Brucite Processes, Inc., San Francisco, Calif., a corporation of California
Application July 29, 1940, Serial No. 348,109
8 Claims. (Cl. 263—21)



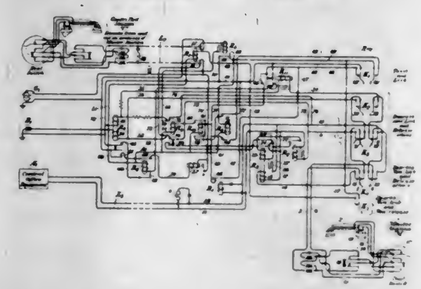
1. A mineral powder calciner comprising a vertically disposed chamber having a relatively small cross-sectional area up-flue which opens into a relatively larger cross-sectional area down-flue near their tops, a conduit near the bottom of said up-flue for introducing high temperature gases for calcining, means for distributing finely powdered mineral into said gases, an elongated cooling conduit of cross-sectional area less than that of said down-flue connected near the bottom of said down-flue and disposed substantially wholly in vertical position, said elongated conduit being adapted to carry suspended powder therethrough without substantial lodgement or settling out, and means for drawing the gases and suspended powder through said calciner.

2,300,043
GOLF CLUB
George Carney, Duluth, Minn.
Application August 28, 1941, Serial No. 408,639
2 Claims. (Cl. 273—77)



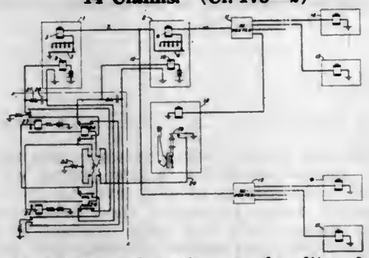
1. A golf club having a head, a plate recessed in the bottom surface of said head, an opening through said plate, a recess within said head under said opening, rotatable means within and projecting slightly from said opening, and other means engaging said first mentioned means to cause a sound upon rotation of said rotatable means, whereby a golfer may be made conscious of dragging said club along the ground and thereby rotating said roller preparatory to striking a golf ball.

2,300,044
TELEPHONE SUBSCRIBER'S STATION
Donald Stevens Dewire, Delmar, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 23, 1940, Serial No. 346,913
11 Claims. (Cl. 179—27)



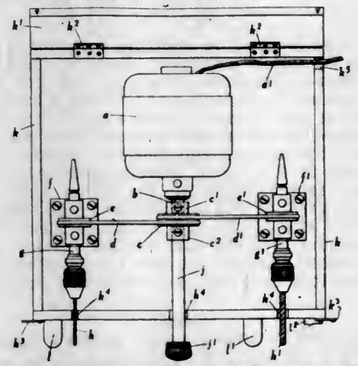
1. In a telephone system, the combination with a central office, of a master subscriber's telephone station connected to said central office by a central office line, a controlled telephone station connected to said master station by a tie line, and switching means at said master station controlled by a pulsing switch at said controlled station to automatically connect said tie line to said central office line.

2,300,045
TELETYPEWRITER SYSTEM
Ernest Osmond Gammell, Floral Park, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 19, 1940, Serial No. 324,888
14 Claims. (Cl. 178—2)



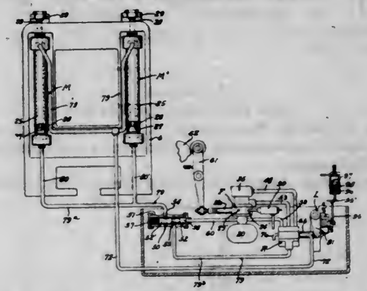
1. In a telegraph system, a plurality of transmitters operatively connectable to transmit telegraph code signals into a channel of transmission, switching means for rendering one only of said transmitters effective to transmit into said channel of transmission at any one time, a single contact responsive to code signals successively impressed upon said channel of transmission for controlling the operation of said contact successively to control said switching means successively to render said transmitters effective one at a time to so transmit.

2,300,046
APPARATUS FOR CLEANING POTATOES
Harry Andrew George Harwood, Liverpool, England
Application January 13, 1940, Serial No. 313,772
In Great Britain January 24, 1939
1 Claim. (Cl. 146—106)



An apparatus for peeling potatoes comprising a rectangular container open at the top and provided with a hinged closure member for closing said open top, said container being provided with a front wall having a plurality of vertically extending slots formed therein and each being open at its upper end, said closure member when closing said top of the container also covers the upper open ends of said slots, a plurality of spaced parallel motor driven shafts mounted within said container and a motor for driving the same, a potato cutting tool arranged exteriorly of said front wall and having means extending through one of the slots of said front wall, an operative connection between said means and one of the motor driven shafts within the container, said operative connection providing for disconnection and removal of said tool through the open top of the slot when the closure is hinged to open position and an elongated guide fixedly secured to the outer face of the front wall of the container and arranged adjacent said cutting tool to steady the potato and the hand of the operator holding the potato while he subjects the same to the operation of the cutting tool.

2,300,047
HYDRAULICALLY CONTROLLED METAL HACK SAW
Otto M. Jensen and Frank T. Wruk, Racine, and John R. McDonald, Milwaukee, Wis., assignors to Peerless Machine Company, Racine, Wis., a corporation of Wisconsin
Application March 2, 1940, Serial No. 321,862
6 Claims. (Cl. 29—73)

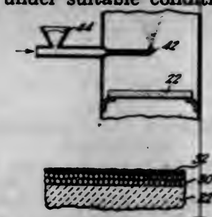


1. A metal sawing machine comprising a stationary frame, a carriage movably mounted thereon, a reciprocatory saw frame guided on the carriage for movement transversely to the movement of the carriage on the stationary frame, a saw secured to the saw frame, means for reciprocating the saw frame on the carriage, a fluid pressure motor connected to said carriage for imparting feeding movement thereto, a pump for supplying fluid under pressure, connections between the pump and said motor, a feed control valve incorporated in said connections and synchronized in its operation with the saw frame to cause the fluid under pressure to successively actuate the motor first in one direction and then in the other, said feed control valve having an exhaust to relieve the pressure on the side of the motor which allows the motor to actuate the saw frame to feed the saw into the work, and a spring-loaded valve combined with the exhaust of said feed control valve to counterbalance the weight of the carriage, saw frame, and saw, said spring-loaded valve including a valve member regulating the exhaust from the feed control valve, a pressure responsive member presented to the pressure in the exhaust from the feed control valve, and adjustable spring means opposing the action of said pressure responsive member.

2,300,048
METHOD OF MAKING POROUS MATERIAL
Roland P. Koehring, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 27, 1940, Serial No. 326,220
6 Claims. (Cl. 29—189)

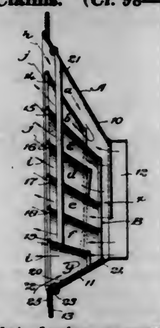
1. The method of making porous metal sheet material wherein the porosity at one side of the sheet is different than the porosity of the other side of the sheet comprising the steps of, agitating metal powder of varying grain size by means

of a fluid in a large chamber, causing said metal powder to settle upon a supporting surface solely by gravity, in accordance with the mass of the particles of varying grain size, and then sintering the settled powder upon said supporting surface under suitable conditions and for a



time and at a temperature sufficient to cause the particles of powder to bond together and form a porous metal sheet of high porosity wherein the porosity at one side of the sheet is different than the porosity of the other side of the sheet.

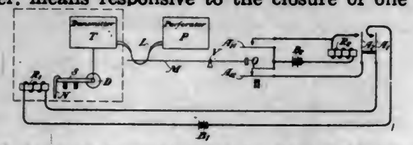
2,300,049
AIR OUTLET DEVICE
Frans J. Kurth, New York, N. Y., assignor to Anemostat Corporation of America, a corporation of Delaware
Application August 21, 1940, Serial No. 353,561
9 Claims. (Cl. 98—38)



1. An air outlet device comprising a series of successively smaller, open-ended, hollow, flaring members of substantially inverted U-shape in end elevation spaced successively inwardly of one another with their smaller ends disposed at the rear or air inlet end of the device to provide therebetween a series of flaring passageways of substantially inverted U-shape in end elevation having substantially vertically disposed side portions, a neck connected to the largest of said members for supplying air to said passageways, and means closing said passageways at the bottoms of their side portions, said closing means being inclined forwardly and downwardly relative to said neck whereby air flowing forwardly through upper side portions of said passageways produces aspiration and rearward flow of air in the lower side portions of said passageways.

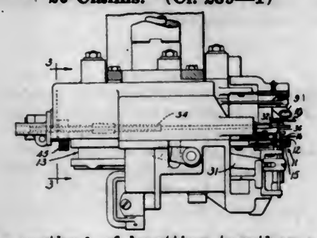
2,300,050
TELETYPEWRITER CONTROL SYSTEM
James Mortimer Leonard, New York, N. Y., and Carl Anders Borgeson, Glen Ridge, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application September 21, 1940, Serial No. 357,714
7 Claims. (Cl. 178—17)

1. In a teletypewriter system, the combination of a perforator arranged to deliver tape, a transmitter arranged to receive said tape, said transmitter being located in close proximity to said transmitter so that a loop is formed in said tape, a lever continuously resting freely in said loop and responding to the changes of length of tape in said loop, two contacts on opposite sides of said lever, means responsive to the closure of one of



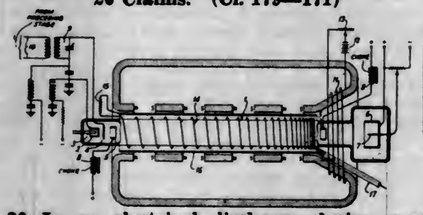
said contacts by said lever to start said transmitter, means responsive to the closure of the other of said contacts by said lever to stop said transmitter, means to prevent the release of said starting means until the latter contact is subsequently closed, and means to re-start said transmitter only when said first-mentioned contact is closed.

2,300,051
METHOD OF AND MECHANISM FOR TYING KNOTS
Harry G. Lind, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application June 7, 1939, Serial No. 277,755
20 Claims. (Cl. 289—1)



1. The method of knotting together a pair of threads, which comprises, looping the threads together in the form of a loose weaver's knot of conventional configuration for such a knot except that the end of one thread, which normally in a standard weaver's knot projects between a portion of the same thread and the strands of a loop formed in the other thread, is instead twisted about said portion of the same thread and projects free of said other thread; and then drawing the knot tight and as an incident to such tightening drawing said twisted portion of said one thread through the loop in said other thread so that it is encircled and gripped by such loop.

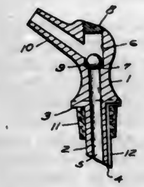
2,300,052
ELECTRON DISCHARGE DEVICE SYSTEM
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 4, 1940, Serial No. 333,279
20 Claims. (Cl. 179—171)



20. In an electrical discharge device, means for producing a stream of charged particles,

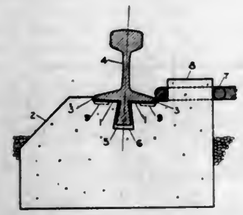
means for modulating said stream to produce along its path of travel a plurality of clouds of electrons, a helical conductor located adjacent said stream and in coupling relation thereto, said helical conductor being so constructed and arranged that the distance between any two successive turns thereof is smaller than the space occupied by each cloud of electrons.

2,300,053
BOTTLE STOPPER
George Lubic, Campbell, Ohio, assignor of one-half to John F. Richards, Campbell, Ohio
Application May 20, 1942, Serial No. 443,808
1 Claim. (Cl. 215—75)



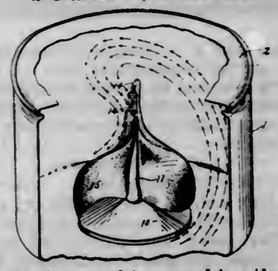
A bottle stopper of the character described comprising a body including a reduced lower portion engageable in a bottle, said reduced lower portion providing a shoulder on the body, a tapered cork collar on the reduced portion and abutting the shoulder, said reduced portion and said shoulder having a vent channel therein, said body having a vertical passage therethrough including an enlarged upper portion constituting a chamber and providing a seat in the body, a removable closure plug threadedly mounted in the upper portion of the chamber, a pouring spout integral with the body and communicating with the chamber at an intermediate point, and a ball valve operable in the chamber and engageable by gravity with the seat for closing and sealing the passage when the bottle is in an upright position.

2,300,054
RAIL FASTENING
Leopold Mannaberg, Roanoke, Va.
Application June 12, 1941, Serial No. 397,695
4 Claims. (Cl. 238—84)



1. A rail and rail supporting means, comprising in combination, a rail having a head, web, and a base having supporting flanges; a dovetail rib running longitudinally of the rail on said base; supporting means having a dovetail groove loosely accommodating said rib and sufficiently larger in size than the rib to permit movement of said rail while confining said movement within safety limits.

2,300,055
APPARATUS FOR WASHING CLOTHES
John J. McCabe, Cleveland, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 14, 1934, Serial No. 725,533
2 Claims. (Cl. 68—133)



1. In a clothes washing machine the combination of a receptacle having a bottom and sides, a shaft projecting through said bottom into said receptacle, means for imparting alternate rotary movement to said shaft relative to said receptacle, a circular disc secured to said shaft adjacent to said bottom, a vane rising from the upper surface of said disc, said vane having a radial extent at the bottom thereof corresponding substantially to the radius of the disc and terminating at the top in a portion having a radial extent less than half the radius of the disc, the bottom portion of said blade being curved adjacent its juncture with the disc to provide a cupped section, the top portion of said blade being curved to provide a cupped section having a concavity opposite that at the bottom of the blade, said disc being further characterized by having the periphery thereof spaced from the side walls of the receptacle to cause a roll-over action of clothes in the space between the vane and the sides of the receptacle.

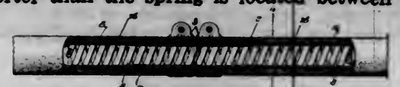
2,300,056
EMULSION POLYMERIZATION OF BUTADIENES
Helmut Meis, Leverkusen-Wiesdorf, and Richard Ludwig, Leverkusen-I. G. Werk, Germany, assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application December 24, 1938, Serial No. 247,723. In Germany June 27, 1936
5 Claims. (Cl. 260—23)

1. The process of producing a butadiene-styrene interpolymer which upon subjecting to a plasticizing treatment by oxidizing the interpolymer at elevated temperatures in the presence of antioxidants yields a product of especially good plasticity, which comprises polymerizing an aqueous emulsion of butadiene-1.3 and styrene in an aqueous alkaline medium in the presence of an emulsifying agent which is soluble in an acid medium as well as in an alkaline medium and in the further presence of a water soluble salt of a drying oil fatty acid.

2,300,057
HOSE REINFORCEMENT MEANS
Charles A. F. Meyer, Ridgewood, N. Y.
Application March 29, 1940, Serial No. 326,572
12 Claims. (Cl. 285—75)

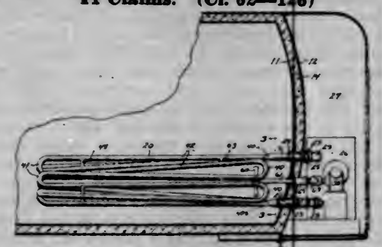
1. The combination with a pair of adjacent hose sections, of means for reinforcing the same and preventing kinking, bending and swelling thereof and comprising a coiled spring expansible into contact with the inner walls of the hose and having its opposite coiled ends projecting into

adjacent ends of the hose and having a normal diameter substantially not less than the inner diameter of the hose and in which a rigid sleeve shorter than the spring is located between the



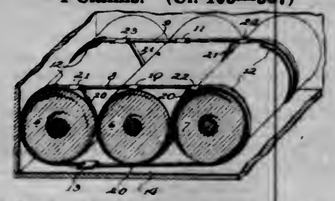
ends thereof and a releasable expansible means covers the spring beyond the ends of the rigid sleeve and is adapted to permit the spring to expand into engagement with the inner walls of the hose, said expansible means comprising a folded or pleated cover.

2,300,058
APPARATUS FOR EXCHANGING HEAT
Henry C. Osborn, Jr., Cleveland Heights, Carl S. Brown, Lakewood, and Roy C. Brett, Shaker Heights, Ohio, assignors to Glascote Products, Inc., Euclid, Ohio, a corporation of Ohio
Application July 21, 1941, Serial No. 403,334
11 Claims. (Cl. 62—116)



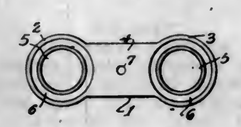
5. In a heat exchange apparatus, a conduit having an inlet and an outlet, and comprising a series of tubular runs, each run being connected at its ends to the ends of the adjacent runs by return bends, alternate runs constituting a set of runs forming the boundary of an outer cage, and the other set of alternate runs forming the boundary of an inner cage, the cross section of which gradually diminishes in area as the locus of the sections approaches one end of the runs.

2,300,059
TRANSPORTATION OF CYLINDRICAL OBJECTS
Archie N. Perry, Kenmore, N. Y., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application December 28, 1940, Serial No. 372,046
4 Claims. (Cl. 105—367)



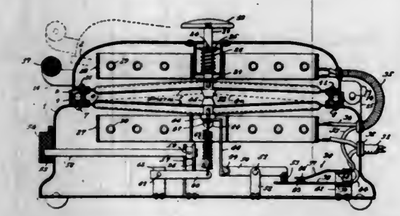
1. A load unit for transport in a railway car comprising a group of cylindrical objects lying on their sides, a tensioned flexible metallic braking member encircling the group of objects, snubbing means acting upon the braking member to impede the movement thereof and thereby retard movement of the group of objects, and a flexible metallic anchor member looped about one of the objects and immovably secured to the braking member to limit movement between the braking member and the group of objects.

2,300,060
PROTECTOR DEVICE
Robert B. Phillips, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 30, 1939, Serial No. 297,238
1 Claim. (Cl. 15—1)



A detachable, one-piece clean out protector for the ends of paired cracking coil tubes which does not remain on the tubes during a cracking operation, which includes a flat protector element consisting of an elongated body having spaced tube-engaging members at each end thereof, said tube engaging members having apertures extending therethrough, said aperture in each member having a diameter substantially equal to the inside diameter of a cracking coil tube, said protector element adjacent each of said apertures and concentric therewith being provided with a channel for engaging the ends of the cracking coil tubes in direct metal to metal contact, the cracking coil tubes being held in spaced relation by a tube support engaging shoulders on the exterior of the cracking coil tubes, and means for securing said flat protector element intermediate its ends to the tube support for rigidly holding the protector in position on the ends of the cracking coil tubes during cleaning of the cracking tubes to remove carbonaceous deposits therefrom whereby the cracking coil tubes are prevented from rotation during cleaning and the ends of the cracking coil tubes are protected from distortion or damage which would prevent fluid tight seating of return bend fittings normally connecting one cracking coil tube end to another.

2,300,061
WAFFLE BAKER
August C. Purpura, Chicago, Ill.
Application December 2, 1940, Serial No. 368,158
17 Claims. (Cl. 219—19)



1. A waffle baker having a disc-shaped bimetallic waffle mould adapted in response to heating to have a snap action movement from a baking position to a finished position, and means for heating said mould in a cooking operation to effect said snap action movement.

2,300,062
BALL
George S. Radford, Norwalk, Conn., assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware
Application April 20, 1940, Serial No. 330,734
6 Claims. (Cl. 154—16)



2. A method of making a ball comprising the steps of adhesively securing to a ball body with the pile side thereof facing the ball body, a woven pile fabric; and then removing the backing from the pile fabric.

2,300,063
MACHINE FOR DIGGING, TOPPING, AND ROOTING BEETS AND OTHER VEGETABLES
Jeromaie Romine, Phoenix, Ariz.
Application December 29, 1941, Serial No. 424,826
3 Claims. (Cl. 55—108)



1. An ambulatory machine for digging beets or the like out of the ground and conveying the dug beets or the like rearwardly and cutting the tops and roots therefrom and discharging the topped and rooted beets at the rear of the machine, said machine comprising a chassis frame having a pair of rearwardly placed ground engaging wheels one of which is a drive wheel, a forwardly placed vertically adjustable caster wheel supporting the front part of the chassis frame on the ground, a beet digging and elevating shovel consisting of a downwardly and forwardly depressed plow mounted at the forward part of the chassis frame with rearwardly inclined beet guiding means thereon, a pair of side by side endless conveyor belts on said frame, said belts having their laterally inward flights in yielding mutual engagement, said belts comprising pluralities of laterally outwardly spring-pressed grips arranged so that said laterally inward flights pair the grips in mutual opposition to grip the opposite sides of beets or the like as said flights move rearwardly, and upper and lower knives arranged above and below the belts and against which the beets are forced to sever the tops and roots thereof, and operating means operatively connecting the belts to said power wheel whereby the belts are operated as the machine is drawn forwardly over the ground.

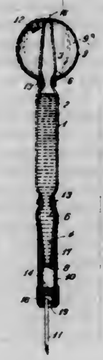
2,300,064
MIXTURES OF RESINOUS MATERIALS
Raphael Rosen, Elizabeth, and William J. Sparks, Cranford, N. J., assignors to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application July 13, 1938, Serial No. 218,948
8 Claims. (Cl. 260—42)

1. A new composition of matter comprising a mixture of a high molecular weight polymer of an isoolefin produced by a low temperature polymerization within the temperature range between —20° C. and —100° C. by the application of a Friedel Crafts catalyst to the liquefied olefin; and a polyindene resin containing negligible amounts of oxygen, the mixture being characterized by toughness, elasticity, adhesiveness and water-white clearness.

2,300,065
METHOD OF PURIFICATION OF POLYMERIZED ROSINS AND ROSIN ESTERS
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 27, 1940, Serial No. 371,990
17 Claims. (Cl. 260—97)

1. In the polymerization of a material selected from the group consisting of rosins and rosin esters with a polymerization catalyst selected from the group consisting of strong polybasic mineral acids and acidic organic substituted polybasic mineral acids, the step in the purification which comprises hydrolyzing the polymerized material prior to water washing with an aqueous solution of an inorganic acid to effect substantially complete hydrolysis of any addition product formed by combination of the polymerization catalyst with the rosin or rosin ester material.

2,300,066
LIQUID DISPENSING APPARATUS
Martin C. Schwab, Chicago, Ill.
Application January 23, 1941, Serial No. 375,630
7 Claims. (Cl. 128—215)

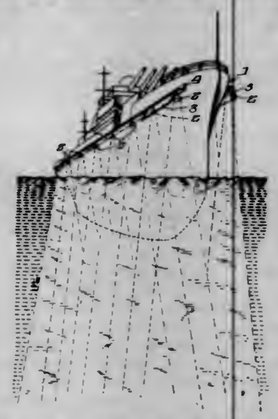


7. In combination, an ampule having an opening therein, and a deformable bulb surrounding a portion of said ampule and sealing the same by contact of the inner wall of said bulb with the opening in said ampule.

2,300,067
SHIP
Martin C. Schwab, Chicago, Ill.
Application September 18, 1941, Serial No. 411,369
4 Claims. (Cl. 114—15)

1. Watercraft camouflaged to escape submarine detection, comprising a hull, a plurality of illuminating means encircling said hull above

the water line and directed downwardly to dissipate shadows cast by said watercraft, and screens



positioned to conceal said illuminating means from observers situated above the water.

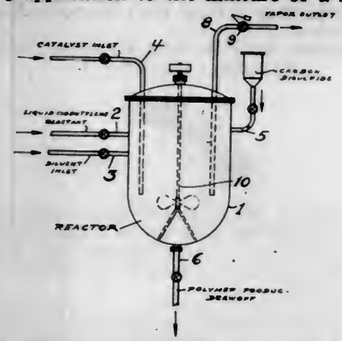
2,300,068
NECKTIE HOLDER
Charles Silverman, Providence, R. I.
Application October 9, 1939, Serial No. 298,531
2 Claims. (Cl. 24—49)



1. A necktie holder for securing a necktie in flat formation overlying a shirt edge comprising a bar adapted to overlie said necktie and underlying shirt edge having an integral outer end bent rearwardly and inwardly to provide a rear portion extending under at least a portion of the rear face of said bar in spaced relation thereto to underlie said shirt edge, a flat element extending resiliently inwardly and forwardly from the underlying portion of said necktie holder substantially centrally of said front bar to abut the rear surface of said shirt edge adjacent the inner edge of said necktie to clamp it against said front bar and a flat element of greater length than said first flat element extending resiliently outwardly and forwardly from the shirt edge underlying portion of said necktie holder substantially centrally of said front bar to abut the rear surface of said shirt edge adjacent the outer edge of said necktie and shirt edge to clamp them against said front bar.

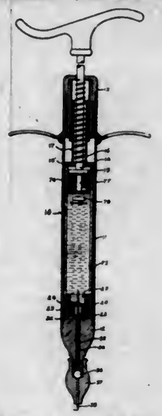
2,300,069
PROCESS FOR THE POLYMERIZATION OF OLEFINS TO HIGH MOLECULAR WEIGHT SUBSTANCES
Arthur C. Skooglund, Clark Township, Union County, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Delaware
Application June 17, 1939, Serial No. 279,665
8 Claims. (Cl. 260—94)

1. A process for polymerizing olefinic bodies comprising the steps of condensing an olefinic substance containing isobutylene to a liquid, diluting the condensed olefin with a diluent-refrigerant comprising liquid ethylene at a temperature below 0° C., adding a catalyst aid thereto comprising carbon disulfide, and polymerizing the material to a high molecular weight polymer by the application to the mixture of a Friedel-



Crafts type catalyst comprising boron trifluoride the said catalyst aid being present in the ratio of 0.05% to 2% of the iso-olefin.

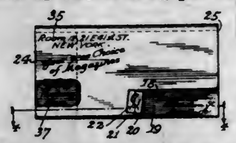
2,300,070
AMPOULE CONSTRUCTION
Arthur E. Smith, Los Angeles, Calif.
Original application November 3, 1933, Serial No. 696,506. Divided and this application December 31, 1940, Serial No. 372,582
2 Claims. (Cl. 128—272)



2. In a container, a movable, resilient, imperforate, piston closure therefor, a sealing disk in sealing relation with the closure and spaced from one end of said closure to define a chamber therewith, sealing disk ejecting means movable in the chamber, a drug in said chamber, said disk and said drug being located in the path of said ejecting means, a vehicle for the drug in the container, the outer end of the closure being accessible whereby it may first be pushed to move the ejecting means and thereby free the drug and may thereafter be pushed to discharge the ampoule contents.

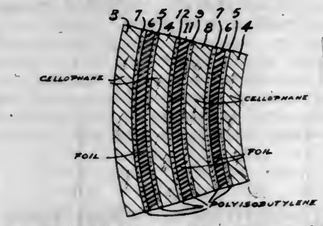
2,300,071
MAILING FOLDER
Verona J. Smith, Kew Gardens, N. Y.
Application February 8, 1941, Serial No. 378,012
12 Claims. (Cl. 229—92.1)

1. A folder comprising a sheet provided with fold lines dividing the sheet into end and middle sections; one end section being adapted to fold inwardly over the middle section and provided with a slit substantially parallel to one end edge of the section and dividing such section into two portions; the other end section being disposable upon the slit section when the latter is folded on the middle section, and adapted to hide the slit and provided with a cut-out exposing an address-receiving area of one of said portions; parts of



the middle and cut-out sections being adapted to be secured together by a stamp adhered over an edge of the cut-out; the area-bearing portion being connected to the sheet by a weakened line; whereby the main portion may be detached; said folder being adapted to receive an envelope having a part between its ends placed in said transverse slit with the ends of the envelope against the respective faces of the slit portion.

2,300,072
ELECTRICAL CONDENSER
William H. Smyers, Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application May 13, 1939, Serial No. 273,467
15 Claims. (Cl. 175—41)



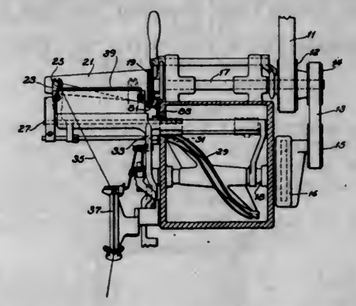
1. An electrostatic condenser comprising a pair of electrodes, and an interposed dielectric material therebetween, the said dielectric material comprising a plurality of homogeneous layers of insulating material of regenerated cellulose and a plastic substantially saturated linear chain hydrocarbon polymer.

2. An electrostatic condenser comprising a pair of metal foil plates and a homogeneous dielectric interposed therebetween comprising a film of regenerated cellulose and a film of polyisobutylene.

2,300,073
YARN WINDING
Robert H. Stafford, Chesterfield County, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 22, 1941, Serial No. 394,612
2 Claims. (Cl. 242—43)

1. In an apparatus for the winding of thread packages, a thread package core, means for rotating said core, a thread guide, means for reciprocating said thread guide along said core, a fixed tail-winding means positioned adjacent the base of said core, said tail-winding means comprising a support bar positioned parallel to the axis of said core, a pair of substantially parallel upwardly projecting fingers mounted on said bar, a plurality of interleaved, hook-shaped prongs on said fingers, the bights of the hook-shaped

prongs of one of said fingers directed toward the outwardly projecting end of the core, each of the last-named prongs adapted to guide the thread on to the base of said core beyond the traverse of the thread guide while the latter is threaded and operated in its normal capacity, the last-named hook-shaped prongs being sufficiently shallow to just release the thread when the reciprocating thread guide moves the thread to approximately the end of its traverse stroke ad-

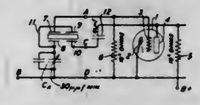


jacent the base of the core, the hook-shaped prongs on the other of said fingers adapted to guide the yarn to the next successive hook-shaped prong of the first named finger during the reversal of the traverse stroke adjacent the base of said core, whereby the thread will be released from one of said last-named prongs each time the thread is moved to approximately the end of its traverse stroke adjacent the base of the core.

2,300,074
SIZING
Daniel E. Strain, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 21, 1940, Serial No. 357,755
17 Claims. (Cl. 117—47)

10. The process of sizing synthetic linear polyamide yarn which comprises applying thereto a coating of tannic acid, and applying to said coated yarn a sizing composition containing a water-sensitive hydroxylated polyvinyl resin, boric acid, and polyethylene oxide.

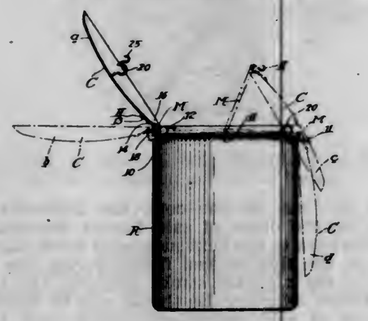
2,300,075
PIEZOELECTRIC CRYSTAL CONTROLLED OSCILLATOR
Roger A. Sykes, Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 25, 1941, Serial No. 403,979
6 Claims. (Cl. 250—36)



2. A crystal-controlled oscillator comprising an electron discharge device, input and output electrodes therefor including a cathode in common thereto, a piezoelectric crystal, two pairs of oppositely disposed electrodes on a certain pair of opposed faces of said crystal, circuit means connecting one pair of said crystal electrodes to said input electrodes, circuit means for connecting the other pair of said crystal electrodes to said out-

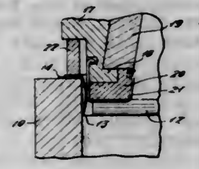
put electrodes, said circuit means which interconnect the respective pairs of crystal electrodes to the respective pairs of electron discharge device electrodes having a common path connected to said cathode, and a capacitance means providing substantially all the impedance in said common path.

2,300,076
COMBINATION SWING HINGE AND JOINT
George Yoshio Ueda, Honolulu, Territory of Hawaii
Application July 3, 1940, Serial No. 343,821
In Japan July 6, 1939
5 Claims. (Cl. 220—37)



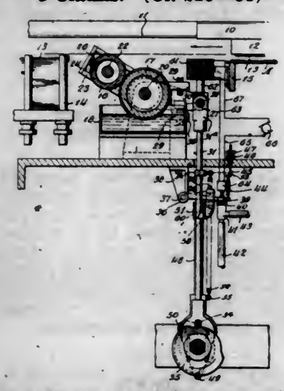
1. In combination, a receptacle; a cover for the receptacle; a mounting element pivotally connected to the receptacle; means hingedly connecting the cover adjacent the perimeter thereof, to said mounting element at a location sufficiently spaced from the pivotal connection of the element to the receptacle that the cover can be swung about the pivotal and hinged connections to occupy various positions to one side or the other of the receptacle; and means on the first means co-actable with the receptacle to support the cover in an inverted and substantially horizontal position at one side of the receptacle for the support of articles on the cover.

2,300,077
WIPER STRIP
Walter W. Urmetz, Parma, Ohio, assignor to The Ferro Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application July 10, 1941, Serial No. 401,750
3 Claims. (Cl. 22—147)



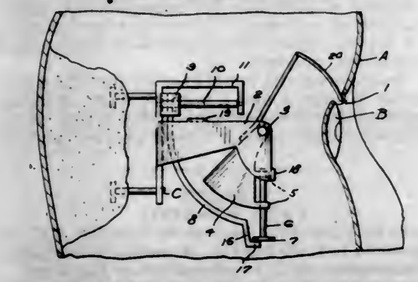
1. In combination with an ingot mold and a hot top inserted into the mold, a wiper strip in the form of a resilient annulus supported upon the upper surface of the mold and depending into the mold, the depending portion being bowed inwardly in cross section for contact with the hot top and having its lower edge contacting the mold wall.

2,300,078
CONTROLLING MEANS FOR ADHESIVE APPLYING APPARATUS
George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application June 3, 1941, Serial No. 396,402
5 Claims. (Cl. 216—55)



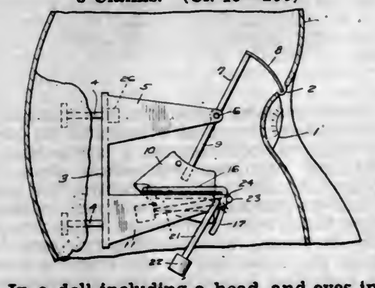
1. In an adhesive applying apparatus including an adhesive applying roller movable from an inoperative to an operative position and vice versa, that improvement which comprises a suction line, a valve controlling said suction line to render the suction effective and non-effective to develop a vacuum therein, operating means for shifting said adhesive applying roller to its operative position and to its inoperative position, and electrical means controlled by the existence and non-existence of a vacuum in said suction line and serving to prevent shifting of the adhesive applying roll from one of said positions to the other when no vacuum exists in the suction line.

2,300,079
EYE CLOSING DEVICES FOR DOLLS
William N. Wheeler, Lexington, Ky.
Application August 13, 1941, Serial No. 406,708
3 Claims. (Cl. 46—166)



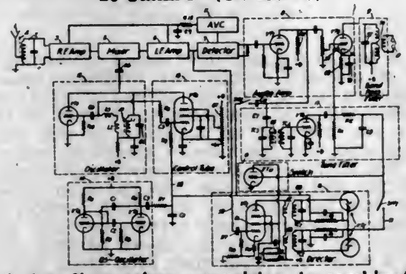
1. In a doll having slots in its head above the eyes, a supporting member in the head, a weight pivoted to the supporting member, a T-shaped bar connected with the weight and having lid forming members on the ends of its head for passing through the slots to cover the eyes when the doll is in a horizontal position, the weight holding the lid forming members upwardly and in eye uncovering position, a bar pivotally connected with the supporting member and having a sloping part at its free end terminating in a horizontal stop forming part, a pin slidably carried by the weight and having a head thereon for engaging the stop forming part when the doll is in a vertical position, a weighted arm connected with the pivotal point of the bar and extending at right angles therefrom and imparting an oscillatory movement to the bar when the doll is rocked and held in a horizontal position, whereby the head of the pin will engage the sloping part and the rocking movement will cause the pin to travel down the sloping part, after which the head of the pin will pass off the sloping part and permit the weight to cause the lid carrying member to move to a position where the lids will cover the eyes.

2,300,080
EYE OPENING AND CLOSING MECHANISM FOR DOLLS
William N. Wheeler, Lexington, Ky.
Application December 27, 1941, Serial No. 424,623
3 Claims. (Cl. 46—166)



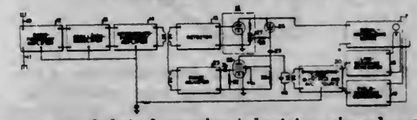
1. In a doll including a head, and eyes in said head, eye closing mechanism including a pair of lid members operative into eye closing position, means to operate said members comprising a weight pivotally mounted in said head for swinging movement under the influence of gravity when the doll is held in reclining position to move said members into said closing position, and means to releasably lock said weight against such swinging in the reclining position of the doll comprising a second weight swingable in said head in opposite directions under rocking of the doll endwise in the reclining position thereof, and coengaging devices disengageable gradually under such swinging of said second weight, said devices comprising a rock shaft operative in opposite directions under such swinging of said second weight, and a member pivoted on said first-mentioned weight and slidably engaging said shaft.

2,300,081
METHOD AND APPARATUS FOR RADIO RECEIVING
Sidney Y. White, Wilmette, Ill.
Application February 29, 1940, Serial No. 321,379
10 Claims. (Cl. 250—6)



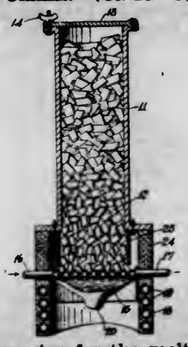
1. A radio receiver comprising, in combination, a signal reproducing means, an input portion receptive to signal modulated carrier waves of a single predetermined frequency transmitted from any one of a plurality of transmitting stations and indicating means other than said signal reproducing means coupled to said receiver and responsive to modulations other than the signal modulations on the received carrier for indicating the identity of the transmitting station, said indicating means comprising a member selectively adjustable between an initial position and a plurality of terminal positions and means responsive to the disappearance of the carrier for automatically returning said member from a terminal position to its initial position.

2,300,082
TELEVISION RECEIVER INCLUDING AUTOMATIC AMPLIFICATION CONTROL
John C. Wilson, Bayside, and Daniel E. Harnett, Tuckahoe, N. Y., assignors to Hazeltine Corporation, a corporation of Delaware
Application March 18, 1940, Serial No. 324,510
14 Claims. (Cl. 178—7.3)



1. A modulated-carrier television signal receiver comprising, an automatic amplification control channel including an automatic amplification control source for said receiver and having a predetermined time constant of response, means having the same time constant of response and responsive to noise components of a received signal for deriving a suppression effect, means for utilizing said suppression effect at least partially to compensate for the effect of corresponding components on said control source, and means responsive to said control source for controlling the amplification of said received signal inversely in accordance with the received signal amplitude.

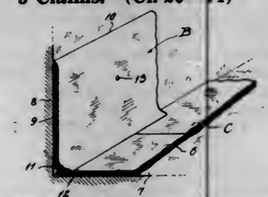
2,300,083
METHOD AND APPARATUS FOR THE PRODUCTON OF STRUCTURES
Hood Worthington, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 4, 1940, Serial No. 333,315
9 Claims. (Cl. 18—8)



3. In an apparatus for the melting of organic filament- and film-forming compositions, a melting chamber, a heated melting grid in said chamber, a hopper connected to said chamber, said hopper constructed to progressively move a body of discrete particles of the composition into the

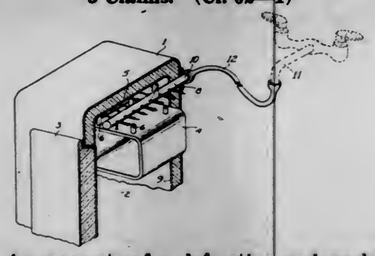
melting chamber, a confining element adjoining said hopper and projecting into said chamber, said element constructed to encompass the moving body of particles, and means for insulating said element from the surfaces of said heating chamber whereby to prevent premature melting and resolidification of said particles.

2,300,084
FLOOR COVERING
Clarence Wright, Racine, Wis., assignor, by direct and mesne assignments, of one-half to Wright Rubber Products Co., Racine, Wis., and one-half to Peter L. Cassidy, Chicago, Ill.
Application January 9, 1939, Serial No. 249,984
5 Claims. (Cl. 20—74)



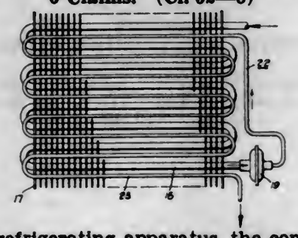
1. As a new article of manufacture, a one-piece, resilient, molded cove base comprising, a substantially vertically disposed splashboard body portion of substantial thickness to insure rigidity having a substantially plain, smooth, flat, inner adhesive receiving face throughout its entire area for fitting flat against a wall of a room, whereby said body portion can be firmly secured to a wall of a room by an adhesive on said face, and a forwardly extending flexible foot on the lower edge of the body normally projecting downwardly therefrom at an obtuse angle, said foot having a front tapered toe and a flat lower adhesive receiving face extending from the tapered toe substantially to the juncture of the foot with the body, said foot flexing on said body at said juncture and in rear of the flat face of the foot when the foot is placed on a floor surface and downward pressure is exerted on the body, whereby to bring the flat face of the foot into intimate sealing contact with the floor surface.

2,300,085
METHOD AND APPARATUS FOR DEFROSTING AND WASHING REFRIGERATORS
Clarence R. Yunker, Elsie, Oreg.
Application March 29, 1941, Serial No. 385,876
5 Claims. (Cl. 62—1)



1. An apparatus for defrosting and washing a refrigerator comprising walls defining a food compartment and having a cooling unit mounted in said compartment, said apparatus comprising a spray nozzle mounted in the upper portion of said food compartment adjacent the cooling unit therein, orifices in said nozzle for directing sprays of water onto said cooling unit and onto the walls and fixtures of the compartment, said nozzle extending through one wall of said compartment, supply means connecting said nozzle with a water system, and valve means for controlling the supply of water to said nozzle.

2,300,086
REFRIGERATION APPARATUS
Carl F. Alsing, North Wilbraham, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 24, 1939, Serial No. 286,218
6 Claims. (Cl. 62—8)



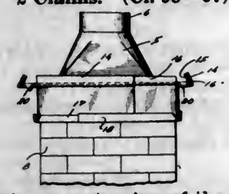
1. In refrigerating apparatus, the combination of an insulated cabinet, an evaporator for cooling the interior of said cabinet, a compressor for withdrawing vaporized refrigerant from said evaporator, a suction tube connecting the evaporator and the compressor, a condenser tubing for receiving compressed refrigerant vapor from the compressor, means for conducting refrigerant liquid from the condenser to the evaporator, said means including a capillary flow impeding tube, cooling fins secured to both said capillary tube and said condenser tubing, and means for conducting a cooling medium along said cooling fins to first contact the portion thereof adjacent the capillary tube and thereafter the portion thereof adjacent the condenser tubing, a portion of said capillary tube and a portion of said suction tube being in heat exchange relationship.

2,300,087
ELECTRIC MARINE CABLE STRIPPER
Tony P. Anello, Tampa, Fla.
Application October 4, 1941, Serial No. 413,687
5 Claims. (Cl. 30—91)



1. A tool of the character stated comprising a pair of pivotally coupled jaw members, means facilitating the movement of one of said jaw members along a straight path relative to the other jaw member, an operating handle connected with each jaw member, means for locking said jaw members against separatory movement after the said one of the jaws has been moved along said path towards the other member, a laterally extending shaft carried by each jaw member, said shafts having spaced parallel relation, a roller supported upon each shaft, and a knife disposed adjacent the transverse center of one roller and directed toward the other roller.

2,300,088
CHIMNEY EXTENSION
Edward J. Artis, Caldwell, Idaho
Application December 9, 1940, Serial No. 369,322
2 Claims. (Cl. 98—67)



2. In a chimney extension of the character described, including mutually separable top and bottom elements; said top embodying a tubular body having an outwardly extending base flange at its lower edge adapted to rest on the top of a chimney within the confines of the bottom element, and said bottom element including a skirt portion formed of a plurality of complemental horizontally extensible and retractible sections having interfitting slidable connection with each other and adapted to telescope over the top of the chimney, said sections having an upper edge formed with lateral flanges on which the base flange is seated, integral upstanding lips on the outer edges of the flanges of said skirt sections inclined inwardly and adapted to overlie the marginal edge of the base flange; each of said skirt sections being substantially L-shape in top plan and having the referred to lateral flanges thereof at the angle defined by the arms of the L separated to provide at said angle a notch, said base flange having angular edges defining corners bent downwardly in engagement with the notches of the respective skirt sections for securing the bottom element in a set position of adjustment.

2,300,089
POST FOR RECORD BOOKS
Hubert Auburn, Mount Healthy, Ohio, assignor to The Tenacity Manufacturing Co., Lockland, Ohio, a corporation of Ohio
Application February 14, 1942, Serial No. 430,981
9 Claims. (Cl. 129—24)

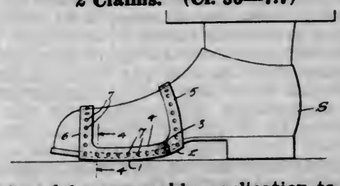


1. As a new article of manufacture a rigid, nonextensible record book post fabricated from a single piece of sheet material, said post comprising a hollow, box-like substantially rectangular body portion, and eyelets formed at the ends of said body portion.

2,300,090
MODIFYING FATTY OILS
László Auer, South Orange, N. J.
No Drawing. Application March 9, 1942, Serial No. 433,875
15 Claims. (Cl. 260—407)

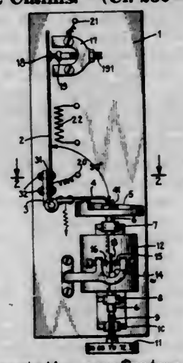
1. In the modification of fatty oils for use as bases of coating materials and plastics, the process which comprises mixing the oil with a minor amount and not more than 30% of a halogen salt, and heating the mixture to a temperature between about 200° and 350° C. but not above the boiling or decomposition point for at least thirty minutes.

2,300,091
SHOE PAD
William D. Barry, Washington, Pa.
Application November 9, 1940, Serial No. 365,117
2 Claims. (Cl. 36—7.7)



1. A pad for removable application to an ordinary shoe to convert said shoe into a bowling shoe, said pad embodying a unitary structure comprising a flexible plate of a length to extend from the shank of the shoe to a point inwardly of the toe so that the toe portion of the shoe will be exposed when the pad is applied to the shoe, the rear portion of the plate being reduced in width, upstanding flanges defining the side margins of the plate and extending from one end to the other, said side flanges overlying the adjacent portions of the side edges of the sole of the shoe when the pad is applied, the rear reduced portion of the plate allowing the rear portions of the flanges to have contact with the side edges of the shoe sole for holding the plate against forward shifting movement along the sole of the shoe, an upstanding loop extending across the plate and connecting the forward end portions of the flanges, and a second upstanding rear loop connecting the flanges at the rear reduced portion of the plate, the first loop to engage over the toe of the shoe and the second loop to engage over the arch of the shoe for holding the pad upon the shoe.

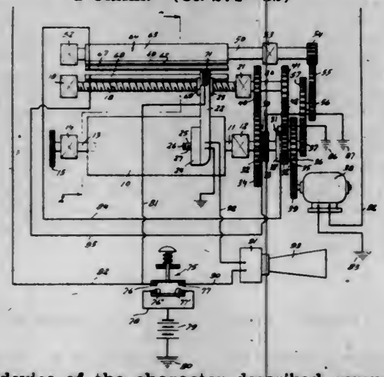
2,300,092
WEATHER COMPENSATING TEMPERATURE CONTROL DEVICE
Frederick Wilbur Baum, Scarsdale, N. Y., assignor of one-fourth to Samuel Ruben, New Rochelle, N. Y., and one-fourth to Malcolm W. Clephane, Englewood, N. J.
Application October 11, 1939, Serial No. 298,873
12 Claims. (Cl. 236—68)



1. A thermostatic apparatus for controlling and stabilizing indoor temperatures comprising, in combination, a primary thermostat arranged to control the heating or cooling plant and being adjustable to reset the mean of the indoor temperature oscillations caused by such control, a monitor thermostat exposed to such indoor oscillating air temperature so that its terminus is reciprocable in response thereto, and

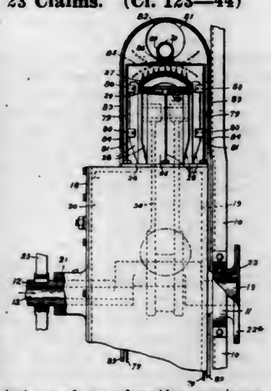
connections extending from the monitor to the primary thermostat through which abnormal movements of the monitor due to substantial drifts downwardly or upwardly of outdoor temperature are transmitted in a manner to reset the primary thermostat to cause it to restore or maintain a practically steady mean indoor temperature during such drifts; the monitor connections having a lost motion gap within which its reciprocations occur idly over a substantial extent of temperature differential, and the primary having an on-and-off differential which is substantially less than the differential of the monitor; whereby the primary has freedom of control action within the differential of the monitor to control furnace operation and air temperature, while the monitor is precluded from assuming such control and operates only to reset the primary as required by outdoor weather changes.

2,300,093
RECORD PLAYING AUTOMOTIVE HORN
Edward Bayer, Texarkana, Ark.
Application June 24, 1940, Serial No. 342,123
1 Claim. (Cl. 274—22)



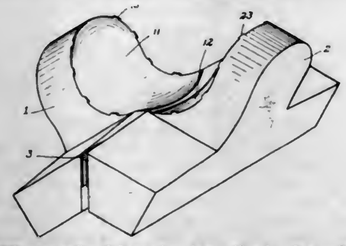
A device of the character described comprising a cylindrical sound record, a shaft mounting the same for rotative movement therewith, an electric motor, a gear drive connecting said motor to said shaft, a control arm carrying a diaphragm and needle for movement on the sound track of said record, a screw parallel to said shaft supporting said control arm and operative to move the same to its initial position, a pair of gear drives connecting said shaft and screw, one arranged to rotate said screw in one direction and the other to rotate said screw in a reverse direction, an electro-magnetic clutch for each of said pair of gear drives mounted on said shaft operative when alternatively closed to transmit the drive from said shaft to said screw for either forward or reverse rotation thereof, a pair of cam means, a cam follower on said control arm engaging said cam means, a gear drive connecting said cam means with said shaft, a pair of contact arms on said control arm, a pair of contact bars each adapted to be engaged by its complemental contact arm when the other contact bar is disengaged from its complemental contact arm alternately, said contact arms and contact bars being electrically connected to an electro-magnetic clutch and said cam means being operative to elevate said control arm to disengage the needle from the record upon completion of its forward movement on said screw whereby to move said contact arms and contact bars into and out of engagement to respectively close and open the electro-magnetic clutches so as to render the forward gear drive inoperative and the reversing gear drive operative to move said control arm in a reverse direction on said screw back to its initial operative position with relation to said record.

2,300,094
INTERNAL COMBUSTION ROTARY ENGINE
Leslie W. Beaven, Chicago, Ill.
Original application June 17, 1941, Serial No. 398,428. Divided and this application February 11, 1942, Serial No. 430,401
23 Claims. (Cl. 123—44)



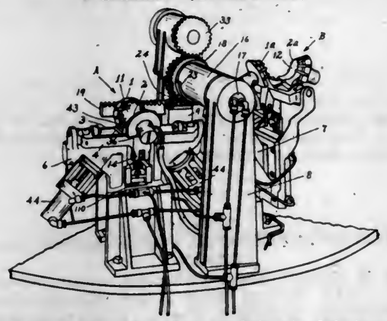
7. In an internal combustion rotary engine, a stationary shaft; an engine casing rotatable thereon; a plurality of radially disposed cylinders on said engine casing and provided with exhaust ports; laterally spaced plates on opposite sides of and movable with said cylinders, said plates provided with air inlets and their spaced outer portions providing an annular outlet, said cylinders adapted to create air-currents between said plates in intimate relation to said cylinders and to discharge said air currents centrifugally through said annular outlet; thermostatic means disposed in the discharge path of the air currents and influenced by the temperature of said currents to control said annular outlet; and an annular manifold tube communicating with the exhaust ports of said cylinders and adapted to discharge the scavenged products of combustion into and to intermingle said products of combustion with said air currents.

2,300,095
MACHINE AND METHOD FOR COVERING BALLS
Archibald C. Bowers, Greensburg, Pa., assignor to Pennsylvania Rubber Company, a corporation of Pennsylvania
Application January 25, 1939, Serial No. 252,775
6 Claims. (Cl. 154—16)



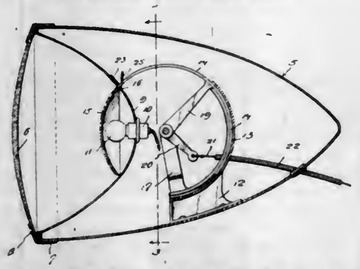
1. The method herein described of applying to a naked ball a fabric cover that is formed of two complementary planar blanks of Cassinian outline, which method consists in shaping the ends of the two blanks to spherical shape, and simultaneously closing the so-shaped blanks upon the sphere of the ball and in so doing bringing the edges of the blanks to abutment as they come to place on the ball.

2,300,096
BALL-COVERING MACHINE
Archibald C. Bowers, Greensburg, Pa., assignor to Pennsylania Rubber Company, a corporation of Pennsylvania
Application November 13, 1939, Serial No. 304,071
8 Claims. (Cl. 154—16)



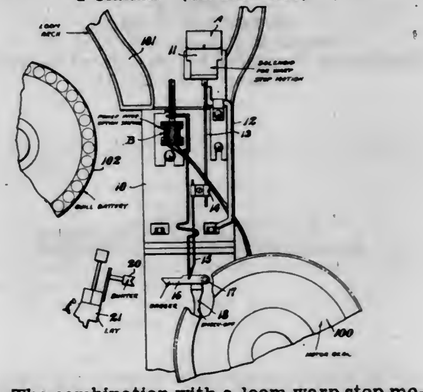
1. A press member for applying a fabric cover to a ball consisting of two pivoted-together blocks adapted to swing between open and closed positions, each block provided with a concave face shaped to the sphere of the finished ball, and the concave faces of the two blocks when swung to closed position extending in a continuous spherical surface, and having together an outline corresponding to that of a cover blank of Cassinian outline when shaped to the sphere of the ball, the axis of pivoting extending, when the blocks are in closed position, substantially in tangency to the covered ball and in common plane with the minor axis of the contained blank, and blank-positioning fingers extensible and retractible upon the rims of the blocks.

2,300,097
HEADLIGHT
Fred Briehl, Wallkill, N. Y.
Application May 1, 1942, Serial No. 441,361
3 Claims. (Cl. 240—45)



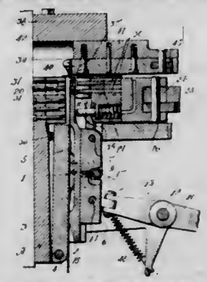
1. In a headlight, a casing including an illuminating medium and a main lens, a reflector in the casing supporting the illuminating medium and having a slot, a secondary lens movable to pass through the slot to assume an operative position between said illuminating medium and the main lens and an inoperative position outwardly of the reflector within the casing, a bracket in the casing, a semi-circular shaped guide carried by said bracket, a semi-circular shape member slidable in said guide and attached to the secondary lens for movably supporting the latter, a post carried by said guide, a shaft journaled on said post, angularly disposed integrally connected arms secured to said shaft and one of said arms formed on said member, and an operating means connected to the other arm.

2,300,098
ELECTRIC STOP MOTION DEVICE FOR LOOMS
John Ruble Brooks, Altavista, Va., and Jesse Thomas Colvard, Drayton, S. C.
Application August 7, 1941, Serial No. 405,862
4 Claims. (Cl. 139—336)



1. The combination with a loom warp stop motion including a knock-off for causing the shipper handle to stop the loom when actuated by a moving part of the loom, and with the electric power circuit of the loom, of a dagger connected with said knock-off and adapted to be moved into and out of the path of said moving part, and auxiliary mechanism for interposing said dagger in the path of said moving part upon the breaking of said power circuit, whereby the knock-off is automatically actuated by said moving part to positively stop the loom on interruption of power to the loom.

2,300,099
MACHINE FOR FORMING AND CONVEYING POURING SPOUTS FOR CONTAINERS
Henry Brucker, Maplewood, N. J.
Application July 25, 1940, Serial No. 347,385
10 Claims. (Cl. 113—1)



1. In a machine of the character described, means for feeding step-by-step a strip of integrally connected flat blanks for pouring spouts

including a guide having a guide-way for the strip, a die section juxtaposed to said guide-way at one side of the strip, a reciprocable complemental die section at the other side of said strip having bending arms to embrace the first-mentioned die section and bend a blank to form a spout having a body portion and side flanges at the end of each step of movement of the strip, means for reciprocating said reciprocable die section in timed relation to the step-by-step feed of the strip, and means for moving said guide and strip relative to said die sections to move said strip out of its own plane alternately into position to be operated upon by said die and to clear said strip from said dies during feeding movement of the strip.

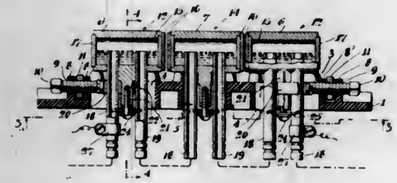
2,300,100
ORTHOPEDIC SHOE
Nunzio D. Calculli, Bronx, N. Y.
Application November 19, 1941, Serial No. 419,677
2 Claims. (Cl. 36—71)



1. A shoe having a sole consisting principally of leather and having the characteristic resilience thereof, the sole having an elongated external recess spaced from the side edges thereof and having its inner end at the front end of the metatarsal arch of the foot and extending continuously to the front end of the sole, the sole being of such uniform thickness at all points of the recess as to maintain transverse resilience in the sole along the recess, said recess increasing in depth toward its inner end to afford a maximum range of flexibility with respect to the bottom surface of the sole, the portion of the sole beyond the said inner end having the full thickness of the sole and being closely adjacent to the metatarsal arch and constituting the only abutment transverse to said recess, and the bottom face of the sole lying otherwise in a plane, the sole comprising a member of porous cushioning material located above the recess solely adjacent to and forward of the transverse abutment.

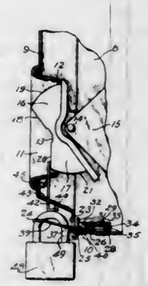
2,300,101
SPARK GAP AND CIRCUIT THEREFOR
Emil R. Capita, Flushing, N. Y.
Application May 14, 1941, Serial No. 393,491
14 Claims. (Cl. 250—38)

1. In a spark gap device, the combination of a base, a fixed member mounted on said base and having sparking surfaces at its respective ends, an adjustable member mounted on said base at one end of said fixed member, a second adjustable member mounted on said base at the other end of said fixed member, each of said adjustable members having a sparking surface adjacent a sparking surface on said fixed member, screw means operatively connected to each of said adjustable members to propel and retract said adjustable members toward and from said fixed member by turning said screw means, and



metal tubes in heat conducting relation to said fixed and adjustable members for conducting cooling water to cool said members.

2,300,102
COVER INTERLOCK FOR ELECTRICAL CASINGS
Paul M. Christensen, Newington, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application January 4, 1941, Serial No. 373,187
14 Claims. (Cl. 200—50)

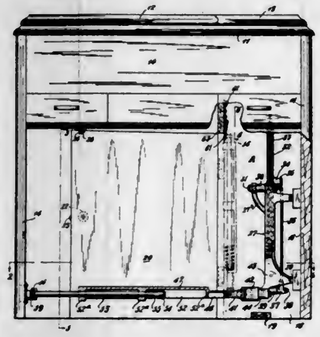


1. In an electric motor starter including a casing, a cover for the casing, and a manually movable operating member for the circuit controlling mechanism of the motor starter operable from the exterior of the cover, the combination of elements on the interior of the cover and casing interengageable when the cover is moved to closed position to latch the cover in closed position, means on the casing manually operable from the exterior thereof to unlatch said elements to permit opening of the cover, and means movably mounted on the cover between the operating member for the circuit controlling mechanism and said means for unlatching the cover when the operating member is in "on" position and constituting a barrier to operation of the means for unlatching the cover until the operating member is moved to "off" position.

2,300,103
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Edwin E. Claytor, Long Beach, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 19, 1941, Serial No. 398,814
8 Claims. (Cl. 252—334)

1. A process for resolving petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a chemical compound consisting of the salt of a basic amine; said amine salt being obtained from a water-soluble, non-hydrophobe petroleum sulfonic acid of the green acid type and a heat-polymerized basic hydroxyamine.

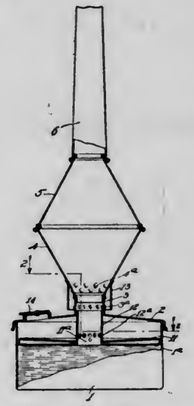
2,300,104
FOLDING TREADLE FOR SEWING MACHINES
Nathaniel E. Colegrove, Cleveland, Ohio, assignor to White Sewing Machine Corporation, Cleveland, Ohio, a corporation of Delaware
Application February 6, 1940, Serial No. 317,579
14 Claims. (Cl. 312—30)



10. In a sewing machine of the type including a cabinet having a chamber for the head, an operating space beneath said chamber, a compartment adjacent said space and at one end of said cabinet, and an actuating mechanism for said head and located in said compartment; a rockable treadle for operating said mechanism, and means carried by said one end of said cabinet and always entirely within said compartment and forming the sole operative connection between said treadle and mechanism and pivotally supporting one end of said treadle for movement about a substantially horizontal axis whereby said treadle may be swung from a substantially vertical inoperative position within said compartment to a substantially horizontal operative position without said compartment, and means for supporting the other end of said treadle relative to the other end of said cabinet when said treadle is in the operative position.

2,300,105
HEATING MEANS
Joseph Colosimo, Los Angeles, Calif.
Application August 21, 1939, Serial No. 291,210
10 Claims. (Cl. 158—91)

1. In a heating means, a liquid fuel receptacle, a float for covering substantially the surface of the liquid in the receptacle but provided with a relatively small opening for exposing a portion of the fuel surface to permit combustion of said fuel at said exposed portion, and a stack of substantially the cross-sectional area of the opening

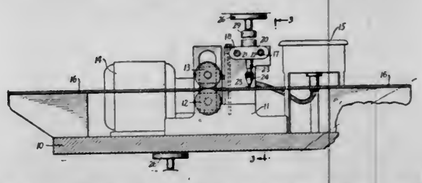


and communicating at its lower end directly therewith.

2,300,106
CATALYTIC TREATMENT
Gerald C. Connolly, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 22, 1939, Serial No. 263,405
2 Claims. (Cl. 196—52)

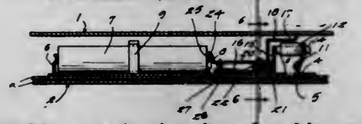
1. A process for cracking oils which comprises passing the oil to be cracked in contact with a catalyst formed by first preparing a dry silica gel having an apparent density of about 0.70, thereafter intimately combining alumina having a pronounced capillary structure with said dry silica gel, the ratio of silica to alumina present in the final product being between 2.5 and 40 mols of silica for each mol of alumina, and maintaining said oil in contact with said catalyst for a period sufficient to obtain substantial conversion thereof.

2,300,107
APPARATUS AND METHOD OF TESTING SURFACES
Joseph G. Curado, Rutherford, and Richard A. Denton, Mountain View, N. J., assignors to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
Application August 4, 1941, Serial No. 405,276
12 Claims. (Cl. 73—51)



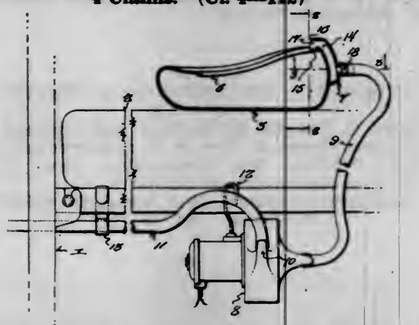
8. Method for testing the scratching or marring resistance of printed surfaces which comprises subjecting said surface to the action of a blunt non-heat-conducting testing member at a predetermined speed coordinated with respect to the speed attained in a printing press and under predetermined pressure.

2,300,108
ILLUMINATING MECHANISM FOR HANDBAGS
Chester P. Curie, Los Angeles, Calif.
Application April 19, 1941, Serial No. 389,424
4 Claims. (Cl. 240—6.45)



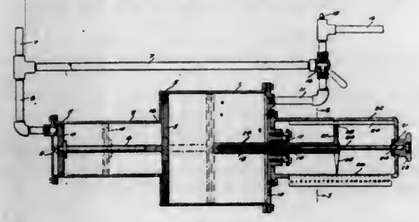
1. A lighting mechanism for a hand bag or the like having relatively movable frames forming the opening for the bag, said mechanism including an elongated plate for placement within one of the frames, an outstanding lug carried by the plate and with which an end portion of an applied dry battery engages, a finger carried by the plate spaced longitudinally thereof from the lug, said finger contacting the opposite end of the applied battery to maintain the same in engagement with the lug and to electrically connect the battery to the plate, said plate having an opening, an electric lamp, means carried by the plate for holding the lamp adjacent to the opening in the plate, said holding means and plate being in electrical connection with the applied battery, a spring contact arm carried by the plate outwardly of the lug for electrically connecting the lamp to the battery, and a pin of material non-conductive of electricity carried by the spring arm and freely directed through the plate, said pin being of a length to extend beyond a face of the frame to which the plate is applied so that when the frames are closed the second frame will move the pin inwardly and maintain the spring contact arm out of electrical contact with the battery, said spring arm automatically coming into electrical engagement with the contact of the battery when the frames are moved one away from the other.

2,300,109
BEDPAN VENTILATOR
Adolph R. Dahlke, Wausau, Wis.
Application March 8, 1940, Serial No. 322,894
4 Claims. (Cl. 4—112)



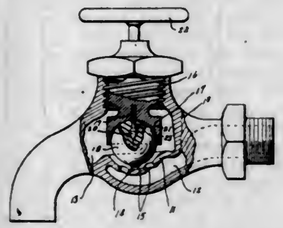
1. A portable ventilating apparatus for attachment to conventional bedpans comprising, a cup for loose vertical support upon one end of the pan and having an edge projecting above the same, the side walls of said pan serving to close the lower portion of the cup and form an intake mouth at the exposed top of the cup, said mouth being directed toward the interior of the pan, and a motor-driven suction fan connected with said cup for drawing air from the interior of the pan when the top of the pan is substantially closed by the patient.

2,300,110
LIQUID METER
Raymond E. De Hoog, White Plains, N. Y., assignor to Aulene B. De Hoog, White Plains, N. Y.
Application July 12, 1941, Serial No. 402,173
3 Claims. (Cl. 221—102)



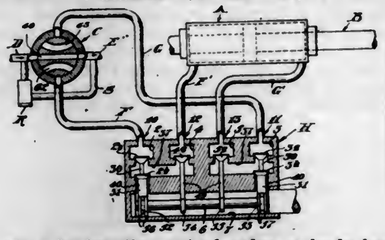
1. In an apparatus for dispensing measured quantities of liquid the combination with a supply of liquid under pressure to be dispensed, of a measuring cylinder, a discharge conduit, means for selectively connecting said measuring cylinder to said liquid supply or to said discharge conduit to admit liquid to said measuring cylinder or to allow liquid to be forced out of said measuring cylinder through said discharge conduit, means operated by the pressure of the liquid supply for forcing liquid out of said measuring cylinder when said measuring cylinder is connected to said discharge conduit, said last mentioned means comprising, a power cylinder of lesser diameter than said measuring cylinder, a piston in said measuring cylinder, a piston in said power cylinder operatively connected to the piston in said measuring cylinder so that said pistons move in unison, and a connection between said liquid supply and said power cylinder through which liquid under pressure is constantly admitted to said power cylinder.

2,300,111
FAUCET AND VALVE THEREFOR
John Ludvig Edlund, Calgary, Alberta, Canada
Application February 3, 1940, Serial No. 317,168
In Canada February 13, 1939
2 Claims. (Cl. 251—46)



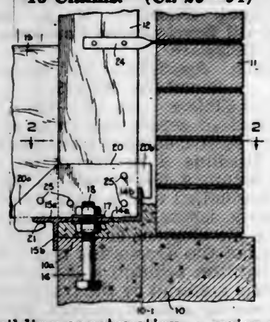
1. In a valve for faucets or the like, a stem, the stem having a semi-spherical recess in the lower end thereof, a stud fixed centrally of the recess and having an enlarged head terminating in a reduced lower end, the lower end of the head stopping inwardly of the lower edge of the recess; a deformable ball valve, said valve having an aperture for reception of the head and portion of the stud, said valve being rotatable thereon, and said recess being of a greater radius than the ball valve whereby to compress adjacent portions of the ball valve in and around the head and stud upon forcible seating of the ball valve.

2,300,112
HYDRAULIC CYLINDER BY-PASS CONTROL
Herman Ray Ellinwood, Burbank, Calif.
Application June 18, 1941, Serial No. 398,621
7 Claims. (Cl. 121—40)



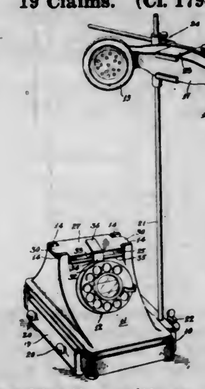
1. In a hydraulic control valve, a body having a plurality of valve receiving bores opening on outer faces thereof and a cam shaft receiving bore, valve seats axially spaced apart between the ends of each valve receiving bore of a pair thereof, inwardly seating axially spaced poppet valves in each bore of said pair having stems extending into said cam shaft receiving bore, a valve seat disposed between the ends of each bore of another pair of said valve receiving bores, an inwardly seating poppet valve in each bore of said second named pair having a stem extending into said cam shaft receiving bore, means affording the communication of each valve receiving bore at a point between its outer end and the next adjacent valve seat therein with a fluid line, a fluid passage in the body having one terminal communicated with a bore of said first named pair at a point between the valve seats therein and its other terminal communicated with a bore of said second named pair at a point spaced inwardly of the valve seat in the latter, another fluid passage having one terminal communicated with the other bore of the first named pair at a point between the valve seats therein and its other terminal communicated with the other bore of the second named pair at a point inwardly of the valve seat in the latter, the inner ends of the valve bores of the first named pair opening into said cam shaft bore which serves as a fluid passage between said inner ends, and a cam shaft operable in the bore therefor for controlling said valves.

2,300,113
BUILDING CONSTRUCTION
Herbert A. Faber, Cincinnati, Ohio
Application April 1, 1939, Serial No. 265,384
13 Claims. (Cl. 20—94)



1. In building construction, a series of mutually spaced structural elements; structural supporting means secured against and extending continuously transversely across the structural elements of said series tying said structural elements into a united whole and providing support for other similarly spaced structural elements, said structural supporting means including seating means which project outwardly from said series of structural elements and provide the support for said other similarly spaced structural elements; a second series of structural elements which are mutually spaced similarly to the spacing of the structural elements of the first series, the structural elements of said second series resting directly on said seating means of the structural supporting means and abutting, respectively, against the respective structural elements of the first series; and tie means secured, respectively, to respective structural elements of said first series and extending rigidly therefrom, said tie means including supporting portions which extend outwardly with said seating means and are in engagement therewith.

2,300,114
TELEPHONE SWITCH OPERATOR
James G. Golseth, Chicago, Ill.
Application March 19, 1941, Serial No. 384,060
19 Claims. (Cl. 179—164)

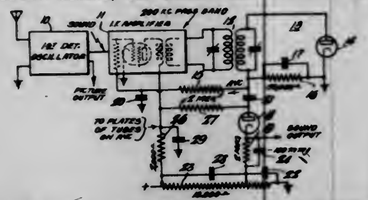


1. In combination with a conventional telephone of the cradle type including a hook switch control means spring-pressed to a raised position for closing the telephone circuit and adapted to be depressed to open said circuit when a conventional transmitter and receiver carrying handset is replaced on the cradle by the user, means adapted to support the handset to dispose the transmitter and receiver in speaking and hearing positions respectively independently of any support by the user, and a device for manually operating the hook switch control means including a latch automatically engageable when said control means has been depressed against the force of the spring means to hold the circuit open, said latch means being releasable to the force of the spring means by a simple manipulation of the user to close said circuit, said latch means being rendered inoperative automatically when said control means is operated by the handset.

2,300,115
NOISE LIMITER
Gustave L. Grundmann, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 27, 1941, Serial No. 395,371
6 Claims. (Cl. 250—20)

1. A radio receiver having a sound channel which includes an amplifier, a detector supplied

from said channel and having a load resistor across which the demodulated signal appears, a noise limiter of the series diode type connected across at least a portion of said load resistor, said limiter comprising a diode and an output resistor in series, an automatic volume control



circuit for said amplifier, means controlled by said circuit for applying to said limiter a gate voltage which varies with average carrier, and means for also causing the gate voltage to follow at least partially the useful modulation envelope of the received carrier wave.

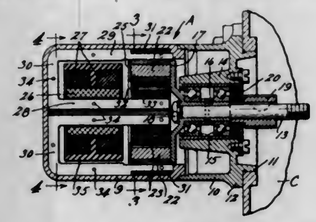
2,300,116
GLIDER CONSTRUCTION
Aaron S. Goldberg, Philadelphia, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 5, 1941, Serial No. 387,043
3 Claims. (Cl. 155—194)



2. An all-metal glider assembly adapted to be swingably suspended between a pair of vertical end units arranged in laterally spaced substantially parallel relation and rigidly connected together comprising seat, back and side arm units each formed of a single sheet metal panel, the seat and back units being adapted for assembly with the rear longitudinal edge of the seat unit in close proximity to the bottom longitudinal edge of the back unit, each of said seat and back units being provided with a plurality of laterally spaced securing elements extending freely beyond the said longitudinal edges of said units, the securing elements of one unit being spaced for registry with the securing elements of the other unit, means for detachably connecting together each pair of registering securing elements, and means for detachably securing said side arm units to the assembled seat and back units.

2,300,117
MAGNETO
Kenneth A. Harmon, Longmeadow, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application October 31, 1941, Serial No. 417,237
7 Claims. (Cl. 171—209)

1. In a dynamo electric machine, a coil having an axial opening therethrough, a plurality of U-shaped laminated flux-conducting members having inner and outer legs and radial portions interconnecting them at one end, said members disposed in angularly-spaced relation in a circular series around the axis of said coil, said inner legs abutting and forming a composite core which passes from one side of one end face of said coil through said opening substantially filling the same and which extends beyond the other end face of said coil by a substantial distance terminating with an end provided with pole piece means, said outer legs located outside but closely adjacent the periphery of said coil and terminating with ends substantially in the same plane as said end of the core and having pole piece means thereon, a magnetic rotor including a series of bar magnets mounted one after another in an



endless series around its axis and having pole shoes for cooperation with both said pole piece means, the axis of the rotor and the axis of said core being aligned and said magnets being located entirely between two planes at right angles to said axes, one such plane passing through the second-named end face of said coil and the other passing substantially through said end of said core, and driving means for the rotor located entirely outside the space occupied by said magnets, coil and laminated members.

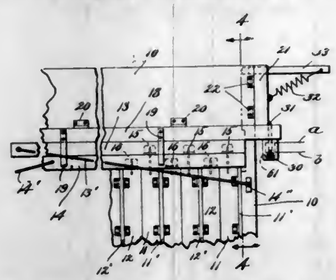
2,300,118
LAPPING CARRIER
Franz R. Hensel, Earl I. Larsen, and Omar L. Fluharty, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application September 10, 1940, Serial No. 356,198
2 Claims. (Cl. 51—309)

1. A lapping carrier of the type adapted to have its grinding surface charged with abrasive prior to lapping operations, said carrier consisting of a porous body composed of metal powder sinterbonded together, some of the pores in said body extending through the grinding surface thereof.

2,300,119
PROCESS OF MAKING LIGHT-COLORED BITUMINOUS MATERIALS
August Holmes, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 21, 1939, Serial No. 300,558
2 Claims. (Cl. 196—13)

1. A method of separating from an asphaltic base crude a light-colored plastic material which comprises distilling a petroleum oil containing asphalt to obtain a black residual oil, digesting the black residual oil with a naphtha of about 86° A. P. I. gravity, separating the undissolved bodies and treating the naphtha solution with a decolorant, separating the decolorant and precipitating from the naphtha solution a light-colored bituminous plastic material by the fractional addition of an oxygenated organic solvent, selected from the class consisting of alcohols, ethers and ketones, which solvent is miscible with the naphtha and in which the light colored plastic bituminous materials are insoluble.

2,300,120
ELECTRICALLY CONTROLLED STARTING BOX
James Paul Hoobin, Boston, and William P. McManus, Reading, Mass.
Application May 23, 1941, Serial No. 394,804
2 Claims. (Cl. 119—15.5)



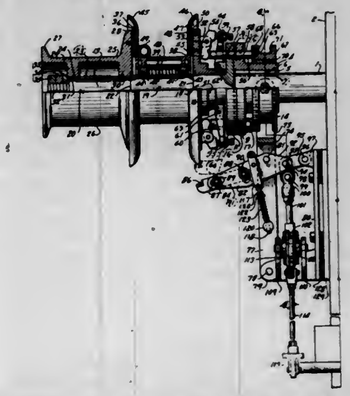
1. The combination in a starting box for racing dogs of a frame, a plurality of doors supported by said frame, resiliently controlled means for urging said doors to open position, a member hingedly connected to said frame above said doors and having restraining fingers for maintaining the doors in closed position, an arm hinged to said frame above said member and swingable thereacross to restrain said member from upward movement to release the doors; resilient means for normally holding said arm disengaged from said member and means for locking said arm in engagement with said member, said member being swingable upwardly automatically by the action of said resiliently controlled means to release the doors when said arm is released by said locking means.

2,300,121
DEEP WELL PUMP
Daniel W. Justis, Jal, N. Mex.
Application November 30, 1940, Serial No. 368,055
1 Claim. (Cl. 103—158)



In an oil well pump, the combination of a stationary valve and a travelling valve, said travelling valve comprising an elongated sectional tubular member, one of the sections constituting an elongated jacket, a non-return valve structure carried by said sectional tubular member at a location above the jacket, said sectional member including sections threading into the opposite end portions of the jacket, the stationary valve including an elongated tubular plunger extending from below within the sectional member of the travelling valve, a non-return valve carried by said plunger above the jacket of the travelling valve, fully floating and compressible packing encircling the plunger and disposed a material distance along the jacket, washers freely surrounding the plunger of the stationary valve and having direct contact with the opposite ends of the packing, the sections threading within the opposite end portions of the jacket having nonyielding contact with the washers to provide means for tightening the packing.

2,300,122
CATHEAD AND SPINNING DRUM ASSEMBLY
Benjamin F. Kelley, Tulsa, Okla.
Application March 23, 1939, Serial No. 263,628
10 Claims. (Cl. 254—185)

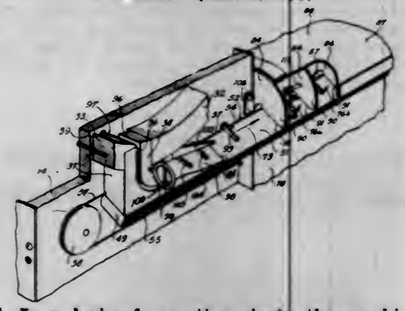


3. In combination with a shaft of a draw-works, a coupling member fixed to the end of said shaft, a shaft extension including a complementary coupling member, means interconnecting said coupling members to centeringly retain the shaft extension with respect to the draw-works shaft, a spinning drum rotatable on the shaft extension, a clutch supported on the shaft extension and having engagement with said spinning drum, clutch actuating pins slidably supported by said coupling members, means connecting the pins with the clutch, a collar connected with the pins, a shifting fork connected with the collar, means pivotally supporting the shifting fork, a supporting bracket, a toggle mechanism connecting the shifting fork with the supporting bracket, and operating means connected with the toggle mechanism for moving the shifting fork to effect driving engagement of said clutch with the spinning drum.

2,300,123
PROCESS FOR THE CATALYTIC POLYMERIZATION OF OLEFINS
Emil Keunecke and Wilhelm Muench, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian
No Drawing. Application June 29, 1938, Serial No. 216,622. In Germany June 30, 1937
4 Claims. (Cl. 196—10)

1. A process for the polymerization of olefins into liquid hydrocarbons suitable as motor fuels which comprises contacting the said olefins at a reacting temperature with a catalyst comprising a solution of zinc pyrophosphate in phosphoric acid.

2,300,124
DEVICE FOR SORTING RIVETS
Leo L. King and William S. Taylor, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Application January 9, 1939, Serial No. 249,882
7 Claims. (Cl. 209—90)



1. In a device for sorting rivets, the combination of: means operative to move the rivets along a defined path of movement so that the heads thereof will follow a prescribed line and so that the shanks of said rivets will extend at an angle to said line; and a jet disposed along said path of movement and at a prescribed distance from said path of movement to deliver a blast of air against the end of the shank of those of said rivets having a shank length at least as great as said prescribed distance to displace them from said path of movement.

2,300,125
DETACHABLE COLLAR
Salvatore Lapick, Lakewood, Ohio, assignor to The Printz-Biederman Company, a corporation of Ohio
Application April 11, 1942, Serial No. 438,595
4 Claims. (Cl. 2—96)

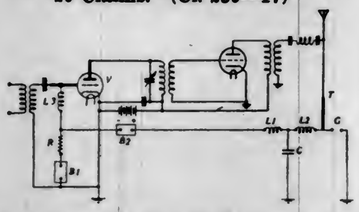


1. In combination with an outer garment having a collar permanently attached to the yoke of said garment, openings between said collar and said yoke, one-half of a snap fastener attached below each of said openings with a detachable collar having tabs spaced apart the same distance as said openings, the other complementary half of said snap fastener attached to the free end of said tabs for attaching said collar to said outer garment.

2,300,126
CONDENSATION PRODUCT OF NAPHTHENIC ACID HALIDE AND PROCESS OF MAKING IT
Eugene Lieber, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application October 29, 1938, Serial No. 237,742. Divided and this application December 27, 1940, Serial No. 371,994
9 Claims. (Cl. 260—526)

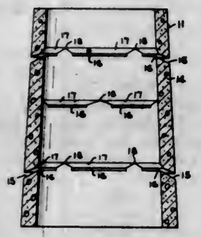
1. A polymer obtained by condensation of naphthenic acid halide.

2,300,127
PROTECTIVE DEVICE
Alan Julian Maddock, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 11, 1940, Serial No. 360,764
In Great Britain October 20, 1939
10 Claims. (Cl. 250—17)



1. In amplifying apparatus to be protected against discharge damage by lightning or overload, a thermionic valve having a grid, a source of voltage and a connection from said grid over said source of voltage to a point in said apparatus where protection is required, whereby the initial arc or flashover acts as a form of electronic switch to connect said source of voltage into the circuit of said valve to render inoperative the normal amplifying action of said valve.

2,300,128
CHIMNEY CAP
Karl Mattes, Cincinnati, Ohio
Application May 23, 1940, Serial No. 336,739
2 Claims. (Cl. 98—67)

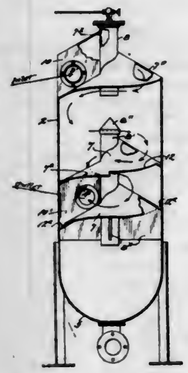


1. A chimney cap comprising a molded wall, a series of spaced slots extending in spaced relation about the periphery of said wall, a second series of slots spaced below said first series of slots and offset within said cap in relation to said first named series, said slots extending upwardly and through said wall, and the inner upper edge of said slots chamfered to form interior drainage tapered faces extending upwardly from said slots and flaring into the adjacent faces.

2,300,129
HELICAL FLOW SEPARATOR
Howard McCurdy, Walnut Park, Calif.
Application November 4, 1940, Serial No. 364,235
11 Claims. (Cl. 183—79)

1. A separator having a cylindrical shell provided with a tube for fluid inflow discharging tangentially into the shell, a helical guide arranged axially of the shell against which fluid from said tube is discharged, said guide constituting the top closure of the shell, a bottom for the shell, and a helical element disposed in the shell between said top and the bottom and spaced from the guide and having a margin which is spaced in part from and contiguous in part to the shell

wall to provide for discharge of ejecta to the bottom space below said element, and a discharge



tube having an outlet leading from the space between pitch convolutions of the said element.

2,300,130
BALANCED SLICING SILENCER
Howard McCurdy, Walnut Park, Calif.
Application November 19, 1940, Serial No. 366,207
6 Claims. (Cl. 181—47)

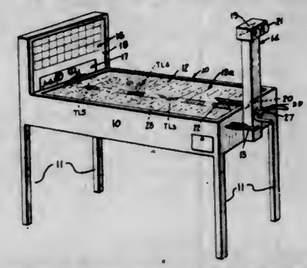


1. A fluid expanding silencer including a frusto-conic shell having an axial passageway and helical slicing lips along the passageway and in diametrically opposite relation whereby the lips coact in a balance action on the flowing stream.

2,300,131
LUBRICANT
Louis A. Mikeska, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application September 29, 1937, Serial No. 166,332. Divided and this application September 24, 1940, Serial No. 358,085
9 Claims. (Cl. 252—57)

1. A hydrocarbon oil and a small amount of a polymer of a reactive-group-containing fatty acid ester of an aromatic hydroxy compound, said ester containing more than 10 aliphatic carbon atoms.

2,300,132
TORPEDO SHOOTING GAME APPARATUS
Fred M. New, New York, N. Y.
Application September 21, 1940, Serial No. 357,748
9 Claims. (Cl. 273—101.2)



1. An electrically operated "shooting" apparatus of the character described comprising a first electrical circuit including switch means and a first contact means, electro-mechanical means, a second electrical circuit including a second contact means, and electrical retarding means in said first circuit and adapted upon operating said first circuit by said switch means to delay inclusion of said first contact means in said first circuit for electrical connection of said first contact means with said second contact means, said second circuit being established upon electrical engagement of both said contact means, said first contact means and said second contact means being movably arranged with respect to each other, said first contact means being finally maintained in position by said electro-mechanical means upon operation of said first circuit by said switch means.

2,300,133
BROAD BAND AMPLIFIER
Harry Nyquist, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 20, 1940, Serial No. 357,517
3 Claims. (Cl. 178—44)



1. A multistage vacuum tube amplifier, and a conductive feedback path from the output to the input of said amplifier forming with said amplifier a negative feedback loop whose voltage transfer factor for a wide frequency range extending to zero frequency is substantially uniform and of greater order of magnitude than unity, each of the interstage coupling circuits of the amplifier comprising a resistance connected between a point of positive potential on a common source of space current for the tubes and the plate of one tube, a resistance connected between the grid of the following tube and a point of negative potential on a source of grid biasing voltage for the latter tube, and a battery of counter-electromotive force cells connected between said plate and said grid and in series with said resistances and said sources, said battery comprising a series of thin bimetallic cups having a diameter as small as approximately one-quarter inch and fitting inside one another with suitable separators and electrolyte, the capacity of said battery to ground being at least as small as approximately 10 micro-microfarads.

2,300,134

PROCESS FOR THE SEPARATION OF TRANSOESTRADIOL AND PRODUCT OBTAINED THEREBY

Hans Priewe, Rangsdorf, Teltow, near Berlin, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application February 8, 1940, Serial No. 317,887. In Germany January 17, 1939
13 Claims. (Cl. 260—397.5)

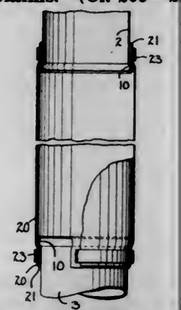
1. Process for the separation of transoestradiol from oestrogenic mixtures containing the same, comprising converting the transoestradiol into its difficultly soluble urea compound, and separating such compound from the other components of the mixture.

2,300,135

FLEXIBLE JOINT FOR FLOUR SIFTERS

Harry B. Rice, Houston, Tex., assignor to Mission Rubber Company, Houston, Tex., a corporation of Texas

Application June 3, 1939, Serial No. 277,195
2 Claims. (Cl. 209—240)



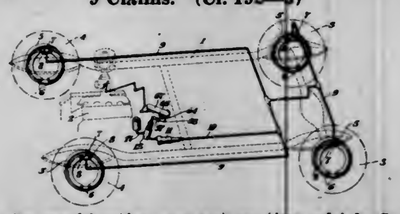
1. The combination with a flour sifter having a discharge spout where the sifter and spout are vibrating with relation to a stationary conduit of a flexible sock to connect the spout and conduit, a resilient covering about the end of each the spout and conduit, a flexible sock of flexible transparent cellulosic film connecting the spout and conduit and overlying the resilient material, and means to retain said sock in position.

2,300,136

CONTROL FOR AUTOMOTIVE VEHICLES

Edward A. Rockwell, West Hartford, Conn., assignor to The New Britain Machine Co., New Britain, Conn., a corporation of Connecticut

Application March 26, 1940, Serial No. 326,040
9 Claims. (Cl. 192—3)



1. In combination, an automotive vehicle floorboard, a combined accelerator and brake-operating pedal located flush with the floor-board, a throttle-operating means and a brake-operating means connected to said pedal so that only one of these means can be operated at a given time, said brake operating means comprising a manual pressure means following through to the brake and means to magnify said manual pressure after the initial application of the manual pressure to the brake.

2,300,137

FIRE RESISTANT WALLBOARD

Arthur C. Salisbury, St. Helens, Oreg., assignor to Fir-Tex Insulating Board Co., St. Helens, Oreg.

No Drawing. Application March 27, 1940, Serial No. 326,275
2 Claims. (Cl. 92—21)

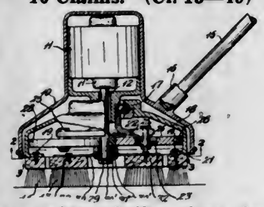
1. A method of making fibrous, fire-resistant wall board comprising forming a stock of fiber-pulp, completing all refinement of the fiber-pulp, intermixing with said fiber-pulp granules of an expanded vermiculite, said granules being selected in particle size within the approximate range as will pass through a 6-mesh screen and be retained on a 20-mesh screen, the resulting composite stock having a consistency suitable for mat formation on the wire of a Fourdrinier machine, limiting the period of contact of the expanded vermiculite with the water component of the stock so as to vary the densities of said different sized granules, then discharging on said wire the resulting stock, whereby said granules become disposed at various levels in the mat carried by said wire and are distributed throughout the fibers of the mat, and finally forming a board from said mat.

2,300,138

FLOOR MACHINE

Maurice G. Steele, Rome, N. Y., assignor to The Kent Company, Inc., Rome, N. Y., a corporation of New York

Application September 25, 1940, Serial No. 358,244
10 Claims. (Cl. 15—49)



5. In apparatus of the class described, the combination of a motor having a frame and a rotor provided with a shaft, a bearing on said frame, a member rotatably mounted on said bearing and having an annular brush attached thereto, a brush mounted on said shaft within said annular brush, and speed-reducing means arranged between said bearing and said brushes for driving said member from said shaft.

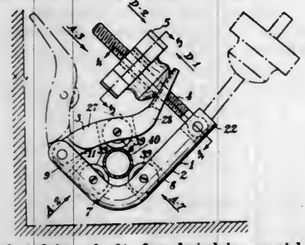
2,300,139

PIPE CUTTER

Leon J. Stein, Philadelphia, Pa.

Application May 4, 1940, Serial No. 333,401
4 Claims. (Cl. 30—101)

1. A pipe cutter consisting of an L-shaped base member; a latching foot somewhat longer than the length of said L-shaped base member rotatably attached at one of its ends to one of the free ends of said base member; said latching foot consisting of an arch portion and a ball and toe portion terminating in two spaced apart toes; a latching bolt somewhat longer than said latching foot and threaded for substantially the entire length thereof rotatably attached at one of its free ends to the other of the free ends of said base member and positioned for being received in and extending through the space between said spaced toes in certain positions of said latching foot and latching bolt thereby latching said latching foot and latching bolt against movement relatively to each other in all but one plane; cutting means rotatably mounted in said base member and said arch portion of said latching foot; and a latching knob threadably mounted



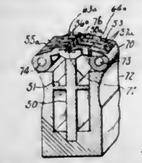
on said latching bolt for latching said latching foot and latching bolt relatively to each other when said pipe cutter is in the position where it is encompassing a pipe which is to be cut and said latching bolt is within and extends through said space between said toes.

2,300,140

SHAVING DEVICE AND CUTTER HEAD THEREFOR

Edmund J. Te Pas, Euclid, Ohio, and Emil G. Berg, Erie, Pa.; Coletta A. Te Pas, administratrix of said Edmund J. Te Pas, deceased

Application November 9, 1938, Serial No. 239,630
7 Claims. (Cl. 30—43)



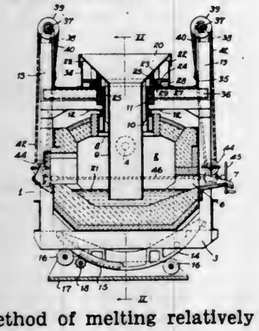
1. In a dry shaving implement, an outer stationary member with a face plate slotted to present oppositely arranged series of shearing teeth, and an unslotted portion depressed below the plane of said teeth connecting the opposite series of shearing teeth, the slots of said face plate extending to the edge of said depressed portion.

2,300,141

REMELTING METHOD AND APPARATUS

Raymond T. Whitzel, Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 25, 1940, Serial No. 347,462
6 Claims. (Cl. 75—65)



1. The method of melting relatively fine particles of scrap metal, which method comprises charging said particles through a tube into a melting furnace and below the surface of a body of molten metal contained in said furnace while rotating said tube to prevent congestion of said particles within and about the tube and to maintain convection currents in said body of molten metal.

2,300,142

FUSIBLE ELECTRIC PROTECTIVE DEVICE

Morris B. Wood, Newbury, Mass., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts

Application June 11, 1940, Serial No. 339,882
19 Claims. (Cl. 200—123)



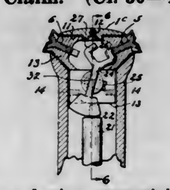
10. In a cartridge fuse, an insulating casing, end terminals on the casing, a pair of fusible conductor members each connected at one end to said terminals, the contiguous overlapping end portions of the conductors having superposed cup-shaped portions, readily fusible means for connecting said contiguous superposed portions together, and spring means in said cup-shaped portions maintained under tension by said readily fusible means and arranged upon fusing of said readily fusible means to separate the overlapping ends to interrupt the circuit through the cartridge fuse.

2,300,143

CUTTER HEAD FOR SHAVING DEVICES

Emil G. Berg, Erie, Pa.

Application December 16, 1940, Serial No. 370,384
1 Claim. (Cl. 30—43)



A hair cutting device comprising, two pairs of cooperating guard and cutter members, said guard members being fixed and said cutter members being movable with respect to the guard members, means for guiding said cutters for independent movement in said guard members, a lever pivoted for movement about two different axes, means for oscillating said lever about one of said axes, and means for shifting said lever about the other of said axes for effecting a selective driving connection between said lever and one or the other of said cutters.

2,300,144

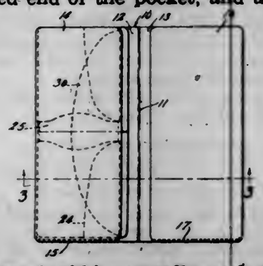
FLEXIBLE POCKET RECEPTACLE

Warner R. Buxton, Longmeadow, Mass.; Mabel Allen Buxton, Longmeadow, Mass., executrix of said Warner R. Buxton, deceased, assignor to Buxton, Incorporated, a corporation of Massachusetts

Application June 20, 1940, Serial No. 341,452
4 Claims. (Cl. 150—35)

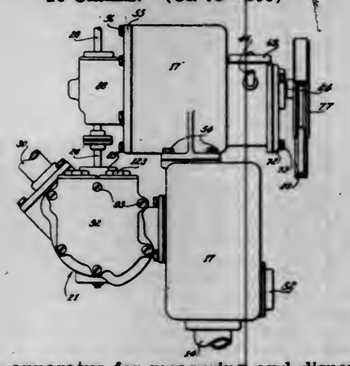
1. A flexible pocket receptacle comprising in combination, a main wallet body having an outer wall provided with a fold line dividing said wall into portions foldable upon each other along said line, an inner wall member secured to one of

said portions to form a pocket open along its top and the side adjacent said fold line and closed at the other side and at the bottom, a pair of walls secured together to form an element having a compartment open along one side and closed along the opposite side and at at least one end, said element being nested full length in said pocket with its closed side and closed end engaged in the bight of the pocket walls at the closed side and closed end of the pocket, and a flap hinged



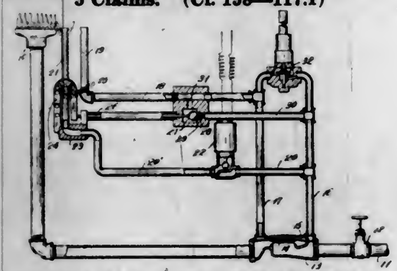
to the edge of said inner wall member at the open side of said pocket and normally extending into said pocket and in overlapping engagement with the free edge of the adjacent wall of said element and with an end edge portion engaged in the bight of the walls of said element at the closed end of said compartment to releasably secure the latter in said pocket and restrained therein against substantial movement in any direction.

2,300,145
LIQUID DISPENSING APPARATUS
Warren H. De Lancey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application July 24, 1940, Serial No. 347,288
16 Claims. (Cl. 73—200)



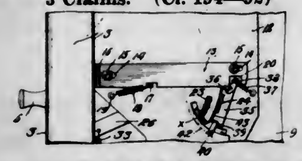
1. In apparatus for measuring and dispensing liquid, a storage tank for the liquid, a gas and liquid separator, a suction pipe connecting said tank and separator, and opening into the separator at a level substantially above the bottom thereof, a metering pump of the positively-acting displacement type connected to the separator near the bottom thereof to draw air-free liquid only therefrom, registering means connected to said pump to be driven when the pump is driven, a single pump for the combined purposes of priming said metering pump by filling said separator with liquid and for scavenging the air and gases therefrom, said last-named pump connected to the separator above said level, a motor, and means responsive to the presence and absence of liquid in the upper part of said separator for respectively coupling and uncoupling the motor to said metering pump and connected registering means.

2,300,146
GAS BURNER CONTROL
Edward R. Downe, Shaker Heights, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application July 2, 1940, Serial No. 343,611
5 Claims. (Cl. 158—117.1)



1. In apparatus of the class described, a gas supply, a main burner, a main valve adapted to be closed by gas pressure, a lighting pilot and a control pilot arranged in interigniting relation and in igniting relation with the main burner, means for maintaining gas flow to said lighting pilot during off periods of the main burner, means for feeding gas to the control pilot at the beginning of an ignition cycle, and means responsive to the control pilot for relieving the pressure on said main valve and cutting off gas to the lighting pilot, whereby the main burner goes on and the lighting pilot goes off after the control pilot is lighted.

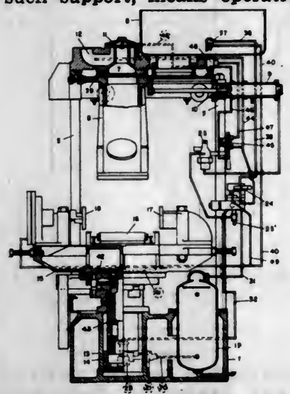
2,300,147
VENDING MACHINE
Christian Gabrielsen, Belleville, N. J., assignor to Rowe Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Application August 3, 1940, Serial No. 350,807
3 Claims. (Cl. 194—92)



1. In a vending machine, and in combination, vending mechanism and a coin control therefor normally operative to prevent operation of said vending mechanism, an exterior casing enclosing said vending mechanism and coin control and including a door, and means responsive to the opening of said door for rendering said coin control inoperative to prevent operation of said vending mechanism.

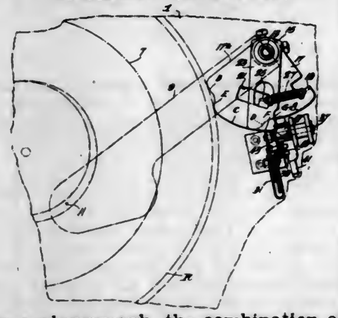
2,300,148
MOLD AND CORE BLOWING MACHINE
Francis N. Gilliland, Shaker Heights, Ohio, assignor to The Osborn Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 27, 1940, Serial No. 347,898
5 Claims. (Cl. 22—10)

1. In core blowing machines and the like having a blow chamber, a sand chamber therebelow, and a support adapted to support a core box or the like below such sand chamber; the improvement comprising hydraulic means operative to elevate such support, means operative to lock



such support against downward movement, and air pressure means supplemental to said hydraulic means operative to further elevate said support to bring such core box into close engagement with such sand chamber.

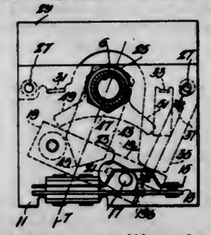
2,300,149
PHONOGRAPH
Emile C. Guedon, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1939, Serial No. 297,228
13 Claims. (Cl. 200—52)



1. In a phonograph, the combination of a circuit controlling switch, a pivotally mounted member carrying said switch, said member being movable to and from positions to effect opening and closing of said switch, a pick-up arm movable across a record to be reproduced, and cam means movable with said arm for moving said member into the "on" position of said switch and holding said member in said "on" position during reproduction of the record.

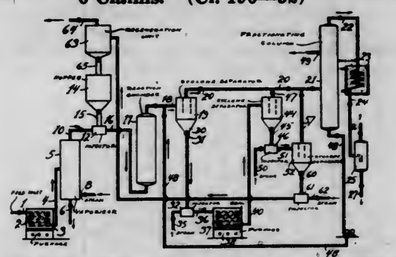
2,300,150
PHONOGRAPH
Emile C. Guedon, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 19, 1941, Serial No. 389,267
13 Claims. (Cl. 192—124)

1. In a phonograph employing an electric motor, the combination of a switch in circuit with said motor, a pickup arm arranged for movement over a record adapted to be driven by said motor, means responsive to movement of said arm from a position over the record to a position clear of the record for effecting opening of said switch, means responsive to said arm when said



arm is moved from a position clear of the record to starting position on the record for effecting closing of said switch, and means responsive to said arm when said arm has reached a predetermined position radially of said record for again effecting opening of said switch.

2,300,151
ART OF TREATING HYDROCARBONS
Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 16, 1939, Serial No. 309,515
6 Claims. (Cl. 196—52)

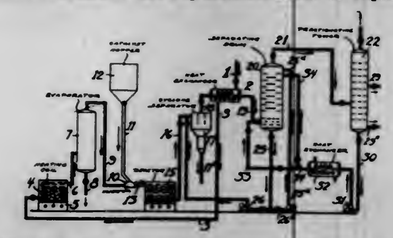


1. In a process for the catalytic conversion of hydrocarbon oils in which the conversion is carried out in the presence of a finely-divided catalyst wherein the catalyst is caused to flow continuously and successively through a cracking zone and then through a regenerating zone in which combustible deposits formed on the catalyst during the conversion treatment are burned with an oxidizing gas and the catalyst then recycled to the conversion zone; a method of reducing the amount of combustible deposits to be burned during regeneration which comprises heating the conversion catalyst following the conversion treatment and before the regeneration treatment to a temperature substantially above the conversion temperature to volatilize a substantial portion of combustible constituents retained on said catalyst, and separating the volatilized material from the catalyst before passing the latter to said regenerating zone.

2,300,152
ART OF CATALYTIC CRACKING
Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 30, 1939, Serial No. 311,834
3 Claims. (Cl. 196—52)

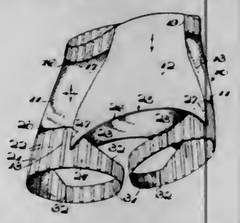
1. In the method of treating hydrocarbons for the purpose of catalytically converting relatively high boiling hydrocarbons into products of lower

boiling range wherein the conversion takes place in vapor phase, a powdered catalyst being suspended in the vapors during the conversion, the improvement which comprises withdrawing the reaction vapors from the reaction zone, separating the main portion of the catalyst by centrifugal action in a separation zone, cooling the vapors recovered from the separation zone to liquefy at



least a portion thereof, conducting the cooled vapors to a fractionation zone wherein the said vapors are fractionated, withdrawing a liquid condensate from the bottom of said fractionation zone and recirculating a portion of said condensate to the top of said fractionation zone and a second portion of said condensate to the vapors entering the separation zone.

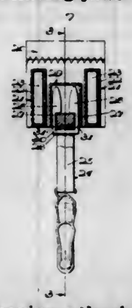
2,300,153
GIRDLE OR LIKE GARMENT
Henry M. Herbener, Thomasville, Ga.
Application August 21, 1939, Serial No. 291,250
12 Claims. (Cl. 2—43)



1. A girdle or the like comprising a body portion which is at least in part elastic circumferentially in use, said body portion including side portions, a back portion, and a front portion, the side portions extending downwardly below the bottom edge of the front portion, an upstanding stiffening rib secured to each side portion and extending upwardly from a point adjacent to the bottom edge of the side portion to a point above the outer end of the bottom edge of the front portion, the front portion being attached to the side portions in advance of the ribs so that a pull upon the front portion will be transmitted to the ribs between their upper and lower ends, and leg bands secured to the side portions, the inner portions of the leg bands being free from the front and back portions.

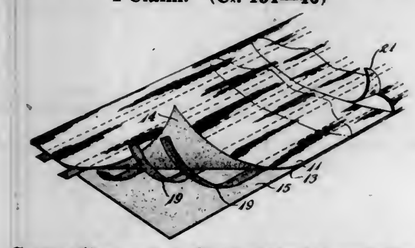
2,300,154
ATTACHING MEANS FOR APPAREL ELEMENTS
Henry M. Herbener, Thomasville, Ga.
Application November 14, 1940, Serial No. 365,693
9 Claims. (Cl. 2—33)

4. A garment having an elastic pocket, said pocket including sides and a web connecting the sides, said web being spaced from the edges of the pocket to provide contracted openings, a U-shaped clasp for insertion in the pocket through the openings and having jaws to engage with the



web, said clasp having a hook, and a hose supporter removably mounted upon the hook.

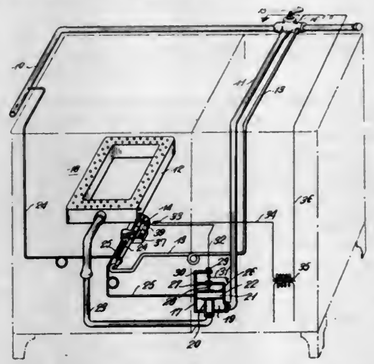
2,300,155
REINFORCED FABRIC ARTICLE
Samuel Heintz, Newtonville, Mass., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application October 28, 1938, Serial No. 237,428
1 Claim. (Cl. 154—46)



Composite porous sheet material suitable for wearing apparel, said material comprising a plurality of layers of textile material adhered to each other in face to face relation, and a plurality of flat, relatively thin strips of substantially inextensible flexible webbing adhered to the layers throughout the width of the strips and extending therebetween in one direction thereof and in spaced relation to each other providing flexibility of said material in a direction transverse to the strips by virtue of the intervals between the strips, said layers and said strips being adhered together by a discontinuous layer of rubber composition with substantial uniformity throughout the extent of said material, said strips providing said material with increased strength and resistance to stretch in the direction in which they extend as compared with the other direction of the material without substantially decreasing the flexibility of the material, and said discontinuous layer of rubber composition holding said layers and said strips in assembled relation while maintaining breathability and uniformity of appearance of the material.

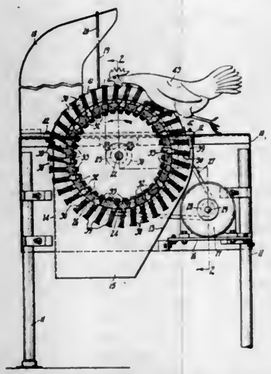
2,300,156
LIGHTER FOR GAS BURNERS
Frank R. Higley, Cleveland Heights, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application August 24, 1940, Serial No. 354,061
2 Claims. (Cl. 158—117.1)

1. In combination, a gas supply, a main burner, a pilot burner, a main valve for cutting on and off the flow of gas from said gas supply to the main and pilot burners, means for igniting the pilot, a valve adapted to intercept the supply of gas from the said operator-controlled valve to the main burner, said intercepting valve comprising a pressure chamber and a diaphragm operable by gas pressure in said chamber to hold the valve closed, a valve associated with the pilot, a tubular connection under control of said main valve arranged to supply gas to the pilot valve



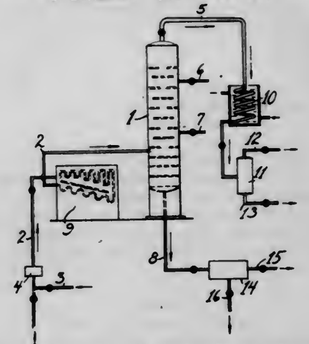
coincident with the supply of gas to the pilot itself and to the intercepting valve, a tubular connection from the pilot valve to said chamber, said pilot valve functioning when the pilot is out to establish communication from the gas supply to said chamber and functioning in response to flame from the pilot to cut off said communication entirely and relieve the pressure in said chamber, and means for effecting energization of said ignition means responsive to pressure in the chamber.

2,300,157
FEATHER-PICKING APPARATUS FOR FOWLS AND THE LIKE
George R. Hunt, Akron, Ohio
Application November 16, 1939, Serial No. 304,752
19 Claims. (Cl. 17—11.1)



18. A poultry plucking machine comprising a rotatable drum and a plurality of flexible studs projecting outwardly from the drum, each stud having projections on one wall thereof and the free end of each stud having inner wall portions in spaced relation.

2,300,158
REFINING MINERAL OIL
Minor C. K. Jones, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 18, 1940, Serial No. 361,678
9 Claims. (Cl. 196—35)



1. Process for the distillation of petroleum oils containing salts of hydrochloric acid of the class consisting of magnesium chloride, calcium chloride, and iron chloride, comprising distilling a feed petroleum oil in the presence of an alkali metal silicate uniformly distributed throughout the body of the oil.

2,300,159
MANUFACTURE OF 1,2,3-TRICHLOROPROPANE
Kenneth C. Laughlin and Cecil L. Brown, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 4, 1939, Serial No. 259,930
4 Claims. (Cl. 260—662)

1. Process for preparing 1,2,3-trichloropropane, comprising bringing about 1 mol of propylene and about 1 to 2 mols of chlorine into reaction in the gaseous phase and in the dark, in the presence of liquid reaction products and in a reaction vessel free of iron, separating 1,2,3-trichloropropane from the reaction product, and returning lower boiling portions of the product, in the liquid phase, to said reaction vessel.

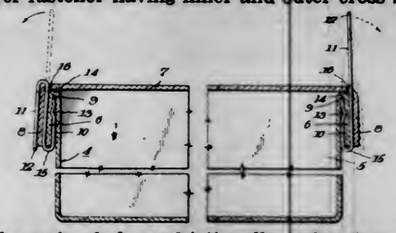
2,300,160
ISOMERIZATION OF NORMAL PARAFFINS
Kenneth C. Laughlin, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 27, 1939, Serial No. 311,112
8 Claims. (Cl. 260—676)

1. An improved process for isomerizing a normal paraffin hydrocarbon which comprises subjecting the same to the action of a Friedel-Crafts type catalyst in the presence of a catalyst activator comprising about 0.5% to about 10% by weight of carbon dioxide, based on the weight of hydrocarbon present, while at a temperature from 30° to 400° F.

2,300,161
COVER FASTENER
Glenn Mather, Baltimore, Md., assignor to Marketing Service Corporation, Baltimore, Md.
Application September 7, 1939. Serial No. 293,819
4 Claims. (Cl. 229—47)

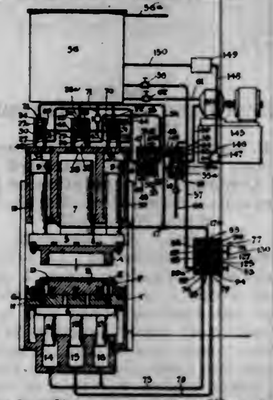
1. In a receptacle of the type having a de-

pending rim portion and a cover provided with a skirt arranged exteriorly of the rim portion, the improvement which comprises an endless cover fastener having inner and outer cross bars



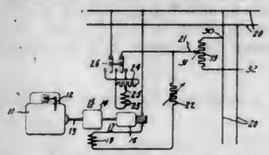
and a pair of clasps frictionally embracing said rim portion and integral with a part which extends through the cover and downwardly along the exterior of the skirt, the inner cross bar engaging the fold line of said rim portion.

2,300,162
HYDRAULIC PRESS
John H. Maude, Verdun, Quebec, Canada, assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada
Application May 13, 1938, Serial No. 207,733
10 Claims. (Cl. 267—1)



1. In a hydraulic press, a plurality of cylinders, rams operating in said cylinders and carrying the lower press platen and a resistance-control valve assembly including a main fluid passage connected to the lower ends of said cylinders, a high pressure line through which fluid is delivered through said passage to said cylinders to raise the platen to starting position, a check valve arranged to prevent reverse flow from said main passage to said high pressure line, a pressure relief passage opening into said main passage, a spring loaded pressure regulating valve normally closing off communication between said main passage and said relief passage, said valve opening automatically to provide a relief connection for said cylinders when the cushioning pressure therein rises to a predetermined value during the actual pressing operation, and selector valve means adapted to be selectively positioned to maintain communication between the main fluid passage and all of said cylinders throughout the entire pressing cycle or to disrupt communication between the main fluid passage and one or more of said cylinders while maintaining communication between said main passage and the remaining cylinder or cylinders throughout the entire pressing cycle.

2,300,163
ELECTRIC DYNAMOMETER
Kenneth R. McDougal, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application July 26, 1940, Serial No. 347,715
3 Claims. (Cl. 73—51)



3. In combination in a system for testing prime movers, an electric dynamometer comprising field producing means and a rotary element for placing a load of controllable speed-torque characteristics on the prime mover to be tested, means comprising a plurality of independent voltage sources for energizing said field producing means in a manner to produce magnetic fluxes in the same direction, the voltage of one of said sources being substantially constant and the voltage of the other of said sources being variable in accordance with the speed of said dynamometer to vary the braking torque of said dynamometer with variations in speed, common electric circuit means for simultaneously controlling the magnitude of the variable voltage component of excitation corresponding to a given speed and the magnitude of the constant voltage component of excitation, and means for changing the relative amount of said variable voltage component of excitation.

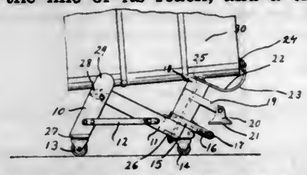
2,300,164
REMOTE CONTROL MECHANISM FOR SULKY RAKES
Orrin C. Musselman, Kaw, Okla.
Application March 8, 1941, Serial No. 382,410
9 Claims. (Cl. 56—27)



1. In a rake having a frame and a tooth carrier pivoted relative to the frame, means for raising and lowering the tooth carrier, a hold-down lever on the frame for engaging the raising and lowering means to hold the tooth carrier in raking position, a latch lever having pivotal connection with the frame and provided with a hook portion engageable with the hold-down lever, an arm projecting from said hook portion, a yieldable connection between said arm and the tooth carrier to hold the hook portion of said lever in engagement with the hold-down lever and to return said lever responsive to lowering movement of the tooth carrier, and means connected with said arm for remotely releasing said latch lever from said hold-down lever.

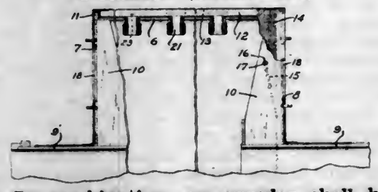
2,300,165
HAND TRUCK
Ferhad Mustafa, Detroit, Mich.
Application April 13, 1942, Serial No. 438,685
3 Claims. (Cl. 280—61)

1. A hand truck comprising a frame on wheels, a member extending beyond the front of the frame close to its base, and forming a transverse prop, beam means on each side of the truck at a level above said prop and extending forwardly beyond the line of its reach, and a transverse



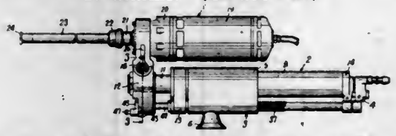
lifting bar, disposed forwardly of the frame of the truck and mounted on side arms affixed to the top of said frame.

2,300,166
CIRCULAR SCREEN SUPPORT
John B. Nowak, Wausau, Wis., assignor to D. J. Murray Manufacturing Co., Wausau, Wis., a corporation of Wisconsin
Application May 5, 1941, Serial No. 391,896
4 Claims. (Cl. 210—199)



1. In combination, an annular shell having parallel outwardly projecting peripheral ribs each provided with a series of outer edge notches and also having a radial inwardly projecting rib near one end, a wire wound helically within said notches and having an end tangentially piercing said shell beyond the adjacent ends of said peripheral ribs and directed toward said radial rib at approximately a right angle, means coacting with said wire end and with said radial rib for tensioning the wire throughout its entire length and for retaining the same snugly confined within said notches, and a filter element snugly engaging said helical wire and embracing said shell.

2,300,167
DRILLING APPARATUS
Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 16, 1940, Serial No. 366,015
17 Claims. (Cl. 255—47)

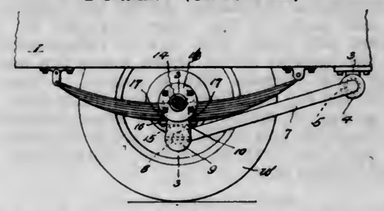


1. In a drilling apparatus, the combination comprising a support providing a longitudinal guideway, feeding means comprising a feed cylinder guided for longitudinal adjustment on said guideway, a drilling motor arranged in parallel offset relation with respect to said feed cylinder and extending along one side of the latter, a feed piston reciprocable in said feed cylinder and having a forwardly projecting piston rod, a control head supported by said piston rod at the front end thereof, said motor being carried by said control head, and manually operable means for adjusting said feed cylinder on its guideway relative to said support comprising an adjusting element arranged in parallel side by side relation with said feed cylinder at the side of the latter opposite from said drilling motor.

2,300,168
MOISTUREPROOF MATERIAL
Arloe R. Olsen, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 12, 1939, Serial No. 294,481
4 Claims. (Cl. 117—146)

1. A moistureproof sheet material comprising a normally non-moistureproof cellulosic sheet coated with a 3 to 4 pounds per 3,000 square feet coat of a moistureproof composition consisting essentially of chlorinated rubber containing in excess of 50% of chlorine and a non-waxy chlorinated polycyclic hydrocarbon adapted to plasticize said chlorinated rubber and render it more moistureproof, said cyclic hydrocarbon and chlorinated rubber being present in proportions of about 3 to 5 and adapted to decrease the moisture vapor permeability of said coated cellulosic sheet between 93 to 97% as compared with the uncoated cellulosic sheet.

2,300,169
RUNNING GEAR FOR TRAILERS OR THE LIKE
Schuyler Burton Perkins, Peoria, Ill.
Application March 11, 1941, Serial No. 382,798
1 Claim. (Cl. 267—19)

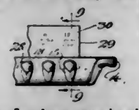


The combination with a vehicle body and vehicle springs secured to the body at the sides thereof, of bearings beneath and secured to the body, alined laterally extending axles journaled in the bearings, an arm carried by each axle and extended at a right-angle thereto, a laterally extended shank at the free end portion of each arm, said shanks being alined and extended in opposite directions respectively, hangers, a sleeve at the lower end of each hanger providing a socket in which one of the arms is seated, means for securing the sleeve fixedly to the arm, a head at the upper end of each hanger, and a spindle secured to each head, the spindles being alined and extended in opposite directions respectively, and bearings beneath and fixedly secured to the respective springs, each of said shanks being journaled in one of the bearings.

2,300,170
MANICURE ACCESSORY
Ben Pickard, Chicago, Ill.
Application September 8, 1941, Serial No. 410,026
4 Claims. (Cl. 35—59)

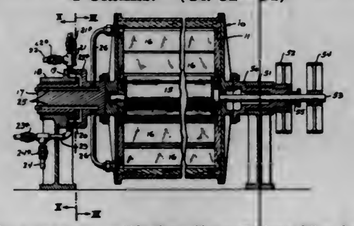
1. A tray comprising, a body portion, said body portion having a cavity adapted to hold nail coloring container means, moon shaped finger nail display means positioned adjacent the said cavity, and a slotted portion interposed between

the said cavity and the said nail display means, adapted to hold removably a card designating



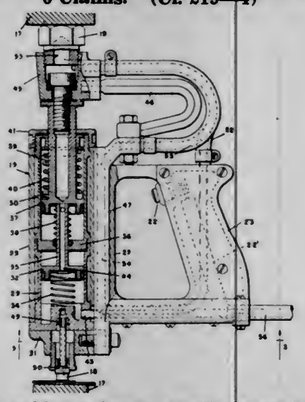
the hue of nail coloring material coated on the said finger nail display means.

2,300,171
APPARATUS FOR CHURNING UNDER VACUUM
Robert D. Pike, Piedmont, Calif., assignor to A. W. Stitt, San Francisco, Calif.
Application November 14, 1938, Serial No. 240,293
4 Claims. (Cl. 31—34)



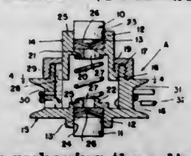
1. A pressure-withstanding rotatable butter-making churn provided with a concentric rotatable shaft containing a plurality of eccentrically disposed longitudinal bores, each communicating with a duct to the interior of the churn at its peripheral extremity, means for connecting the said ducts in the upper segment of their rotation and while they are in communication with the interior of the churn above the normal liquid level therein with a source of vacuum, and means for isolating the said ducts from the said source of vacuum in the lower segment of their rotation and while they are in communication with the interior of the churn below the normal liquid level.

2,300,172
AUTOMATIC BAR WELDING APPARATUS
Henry Thomas Platz, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 9, 1935, Serial No. 53,630
6 Claims. (Cl. 219—4)



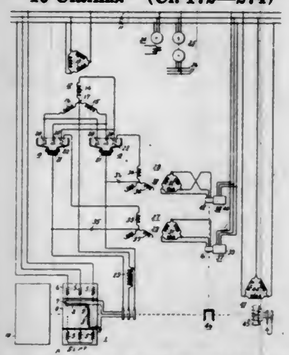
2. In a welder, a frame, a cylinder and a piston supported on the frame for relative movement in opposite directions, cooperating electrodes respectively carried by the piston and cylinder, and means electrically connecting the electrodes including a jumper bar carried by the frame and shunting the cylinder and piston.

2,300,173
APPARATUS FOR DRESSING WELDER ELECTRODES
Henry Thomas Platz, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 2, 1940, Serial No. 368,273
13 Claims. (Cl. 51—241)



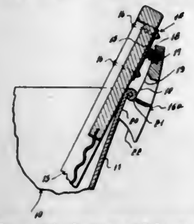
1. A tool for reshaping the adjacent end portions of a pair of cooperating axially aligned electrodes, said tool comprising axially spaced revoluble members supported for relative movement toward and away from each other and insertable between the adjacent ends of the electrodes in the retracted positions of the members, work performing surfaces on the members respectively engageable with the adjacent ends of the electrodes, yieldable means between said members for urging the work performing surfaces into frictional engagement with the adjacent end portions of the electrodes, and means for rotating said members relative to the electrodes to reshape the adjacent end portions of the latter.

2,300,174
ELECTRIC CONTROL SYSTEM
Heinz Puppe, deceased, late of Berlin-Reinickendorf, Germany, by William A. Dodge, administrator, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 20, 1939, Serial No. 280,084
In Germany July 21, 1938
10 Claims. (Cl. 172—274)



10. In combination, an alternating current circuit, a dynamo-electric machine of the synchronous type including armature and rotor structures, one of said structures having a pair of displaced field windings for producing a resultant magnetic field, means for transmitting direct currents to said field windings, control means energized from said alternating current circuit for producing a reference quantity which represents a predetermined electrical quantity of said alternating current circuit, and means responsive to the difference in the angular velocity of said rotor and said reference quantity for controlling said last-mentioned means and for maintaining a predetermined angular relationship between the rotor of said machine and a vector representing said predetermined electrical quantity of said alternating current circuit.

2,300,175
WASHBOARD CLAMP
Myrtle S. Rader, Centralia, Ill.
Application April 3, 1941, Serial No. 386,717
4 Claims. (Cl. 248—27.5)



1. An attachment for washboards comprising an elongated clamp member, the inner side of said clamp member, adjacent its upper end, being reduced, a recess formed in said reduced portion and opening outwardly thereof, adjacent the upper end of the clamp, an expansion coil spring having one end secured in said recess and its opposite end secured to the back side of the upper portion of a washboard, said inner side of the clamp being provided with a hook portion formed by the lower end of said reduced portion and adapted to engage under the rim of a tub and forming therewith a fulcrum to cause the lower portion of the clamp to engage against the outer side of the tub for holding the washboard in an adjusted position therein.

2,300,176
RUBBER CHLORIDE PRECIPITATION
James Wallace Raynolds, Pittsburgh, Pa., assignor to The Raolin Corporation, Charleston, W. Va., a corporation of West Virginia
No Drawing. Application July 31, 1939, Serial No. 287,641
3 Claims. (Cl. 260—772)

1. The method of precipitating rubber chloride from a solution thereof, which comprises simultaneously feeding a stream of solution of chlorinated rubber in a solvent therefor, and a stream of non-solvent liquid into a narrow confined space to sheering stresses applied at a temperature below the boiling point of said solvent by rotating said thin layer rapidly in contact with carborundum grit, and thereby rapidly precipitating the rubber chloride from the solution in finely divided form, continuously withdrawing the precipitated rubber chloride and the liquids from the said confined space, and separating the rubber chloride from the liquids.

2,300,177
APPARATUS FOR OPERATING ON WEB AND SHEET MATERIALS
Robert L. Richmond, Bronxville, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application September 26, 1941, Serial No. 412,386
9 Claims. (Cl. 164—64)

9. Apparatus for notching materials, comprising in combination a rotary notching knife, a groove in the leading face thereof, a rotary stripper plate driven by the knife about an axis eccentric to the knife to cause the plate to be reciprocated, and a projection on the plate extending into the said knife groove, so that as the stripper

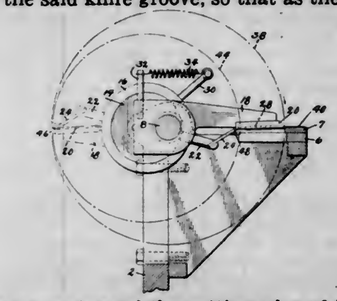
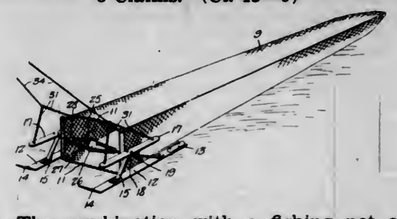


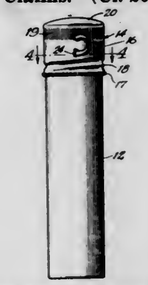
plate moves toward the cutting edge of the knife the said projection will enter between the knife and a chip of material clinging to the knife.

2,300,178
NET DRAG AND SPREADER
Willie H. Ross, Biloxi, Miss.
Application October 23, 1941, Serial No. 416,250
5 Claims. (Cl. 43—9)



1. The combination with a fishing net of a frame permanently spreading open the mouth of the net, a pair of skids on either side of the frame having upturned front ends and having weighted rear ends, brackets rising from the skids, shafts having their ends mounted in bearing openings at the upper ends of the brackets permitting of the skids pivoting on the shafts, said shafts being secured to the sides of the first named frame, vanes pivoted on the shafts above respective skids adapted to incline downwardly and forwardly when the front ends of the skids rise and hold the skids on the bottom of a body of water, bridles secured to the front and rear ends of the vanes, and tow means secured to the bridle for dragging the net along the bottom of the body of water.

2,300,179
PACKAGED ARTICLE
Harold Rosen, Muskegon, Mich.
Application November 15, 1940, Serial No. 365,753
10 Claims. (Cl. 206—56)



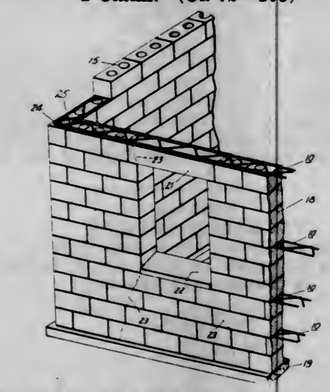
1. A packaged article comprising an elongated

stick of material, a thin-walled casing fitting tightly over said stick so as to be held against axial movement relative thereto, a collar having a substantially cylindrical wall portion surrounding and rotatably and longitudinally movable over said casing, and a blade member projecting radially inwardly from said wall portion of the collar to cut the casing away from the periphery of the stick in a relatively narrow strip as the collar is turned.

2,300,180
STABILIZING CELLULOSE ESTERS
Ferdinand Schulze, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 7, 1940, Serial No. 322,763
2 Claims. (Cl. 260—230)

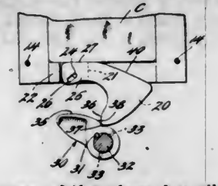
1. The process of producing highly stable organic acid esters of cellulose which comprises essentially washing a freshly precipitated organic acid ester of cellulose containing combined sulfate radicals with water containing a salt from the group consisting of alkali metal and alkaline earth metal salts whereby to neutralize the sulfate radicals with cations from the group consisting of alkali metal and alkaline earth metal cations, then removing excess mineral salts from the cellulose ester by washing the same with no more than 30 pounds and no less than 5 pounds of mineral-free water per pound of ester, the latter washing operation being carried out at a rate of between 0.05 pound and 0.2 pound per minute per pound of ester, said mineral-free water having no more than 10 parts of mineral residue, nor more than 0.2 part of alkaline earth metals, per million parts of water and having a pH value of at least 5.

2,300,181
MEANS FOR CONSTRUCTING BUILDINGS
Harold L. Spaight, Cedar Rapids, Iowa
Application July 5, 1940, Serial No. 344,056
1 Claim. (Cl. 72—103)



For use in a wall having courses of blocks, means for tying together the courses including a pair of spaced-apart parallel-extending side rods, and means for joining the side rods comprising a third rod formed in flat zig-zag shape with the bends on opposite sides of the zig-zag member welded to the two side rods in a plane displaced from the plane of the two side rods whereby the thickness of the tying means at the joint between side members and zig-zag members is the thickness of the zig-zag member and a side rod thereby forming means for supporting the zig-zag member out of contact with the supporting course of blocks and permitting cement to flow freely around the tying member.

2,300,182
CAKE KNOCKER
George V. Sumner, Columbia, S. C., and Edward B. Branch, Atlanta, Ga.
Application April 25, 1941, Serial No. 390,431
15 Claims. (Cl. 100—50)



1. In an oil press of the class described, a series of parallel platens between which oil cake is pressed, a movable ejector member disposed adjacent each of said platens and adapted to dislodge and remove the pressed cake therefrom, and a cam element for actuating each of said ejector members.

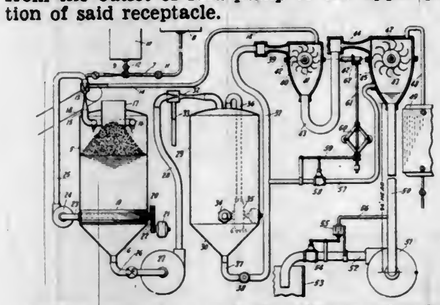
2,300,183
HOT WATER HEATER
Edward L. Swarthout, Portland, Oreg., assignor of one-half to Jay Bleakney, Portland, Oreg.
Application March 29, 1941, Serial No. 385,930
2 Claims. (Cl. 122—136)



2. A hot water heating boiler comprised of concentric inner and outer shells, with the inner shell being longer than the outer shell and with the outer shell having inner extending flanges at its ends to form a connection between the respective shells where the respective flanges engage the inner shell, an inlet and a discharge water connection disposed at the opposite sides and adjacent the ends of the outer shell, a head at each end of the boiler and secured to the inner shell, a fire door and an ash door associated with one of the heads and a smoke pipe outlet associated with the other one of the heads, and legs for the boiler and the legs being made from bar metal and an insulating covering for the longitudinal outer surface of the boiler.

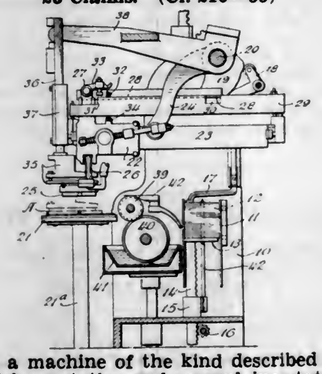
2,300,184
METHOD AND APPARATUS FOR PRODUCING PULP
Edward T. Turner, Dayton, Ohio
Application November 16, 1938, Serial No. 240,753
5 Claims. (Cl. 92—7)

2. In a fibrous pulp producing apparatus, a receptacle having near its lower end a normally open outlet, means for introducing material and liquid into the upper portion of said receptacle and causing the same to move continuously toward said outlet, a hollow screen polygonal in cross section rotatably mounted in the lower portion of said receptacle above and spaced from said outlet, to separate a portion only of the liquid from said material, said screen being of such size and so arranged that material and liquid may flow past the same continuously to said open outlet, means for rotating said screen, a pump, means for connecting the intake of said pump with the interior of said screen to withdraw separated liquid therefrom, and a conduit leading from the outlet of said pump to the upper portion of said receptacle.



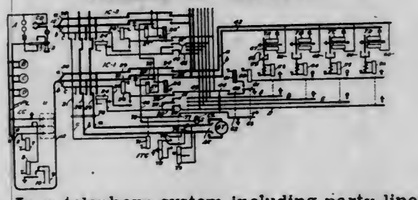
5. The method of producing fibrous pulp which comprises soaking raw material in a relatively large quantity of liquid, separating a portion of the liquid from the soaked material, continuously withdrawing soaked material and substantial quantities of unseparated liquid, continuously mixing steam with the withdrawn material and liquid and subjecting the mixture to pressure at high temperature to digest said material, continuously withdrawing digested material and liquid in a fluid mass, expanding said fluid mass to convert a portion of the liquid therein into steam and expanding the steam to impart velocity energy to said fluid mass, converting velocity energy of said fluid mass into mechanical energy, continuously separating the steam from said fluid mass and utilizing the separated steam to heat the liquid in which the raw material is soaked.

2,300,185
REGISTERING MEANS FOR LABELING AND OTHER MACHINES
George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application April 2, 1941, Serial No. 386,425
23 Claims. (Cl. 216—55)



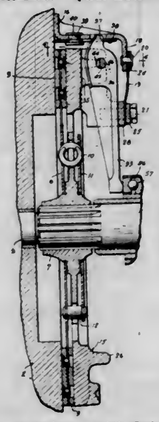
1. In a machine of the kind described including a pick-up station and an applying station, the combination of a container for a supply stack of elements at said pick-up station, registering means permanently located at said pick-up station in predetermined relation to the terminal element in said supply stack, transporting means for removing said terminal element from said stack and depositing it on an element at said applying station, and means on said transporting means co-operating with said registering means by engagement therewith to predetermine the position of said transporting means relatively to said terminal element and thereby predetermine the position of the removed element on said transporting means.

2,300,186
TELEPHONE SYSTEM
Bert A. Wallace, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application March 29, 1941, Serial No. 385,907
9 Claims. (Cl. 179—27)



1. In a telephone system including party lines, circuit means enabling an intercepting operator to intercept calls to substations which have been disconnected from said party lines, test equipment common to said party lines, and means responsive to any one of said party lines being called for connecting said test equipment temporarily to such line, said test equipment including test means for determining whether the call is for a disconnected, or for a connected, substation thereof, and means controlled by said test means for extending calls for disconnected substations to the said intercepting operator.

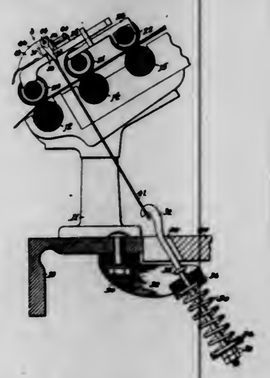
2,300,187
FRICTION CLUTCH
Ernest E. Wemp, Detroit, Mich.
Application July 1, 1939, Serial No. 282,345
9 Claims. (Cl. 192—68)



1. In a clutch, driving and driven members arranged for frictional engagement under pressure, one of the driving members being in the form of a shiftable pressure plate, clutch levers each having a pivotal engagement with the pressure plate and another driving member, means for applying clutch packing pressure to the levers for shifting the pressure plate to cause engagement, one of the pivotal connections for each lever comprising a spring metal simple

beam subject to deflection and a shortening of the distance between its supports incident to the application of the engaging pressure.

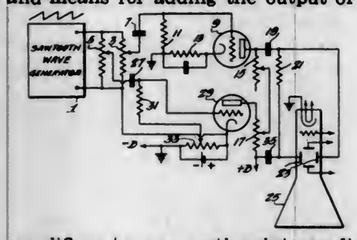
2,300,188
PRESSURE APPLYING MEANS FOR SPINNING FRAMES
George West, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Original application October 21, 1938, Serial No. 236,253. Divided and this application December 23, 1940, Serial No. 371,269
1 Claim. (Cl. 19—135)



In a drawing frame having a roller beam with a flat horizontally extended upper portion, drawing rolls supported on said roller beam, and saddles and stirrups for said drawing rolls, that improvement in stirrup-tensioning means which comprises a fixed stand associated with each stirrup and detachably secured to and below said horizontally extended roller beam portion and disposed entirely below the plane of said horizontal portion, a compression spring seated in and below said stand and extending downward therefrom, a pull rod extending freely through said stand and spring and having its lower end engaged and pressed downwardly by said compression spring and having its upper end extending above said stand and beam and detachably connected to the lower end of the corresponding saddle stirrup, and means to limit downward movement of said pull rod relative to said stand, each stand, pull rod and spring constituting a complete tension device separately removable as a unit from said drawing frame.

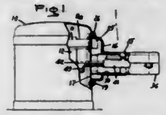
2,300,189
CATHODE RAY DEFLECTION APPARATUS
Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 26, 1939, Serial No. 270,123
10 Claims. (Cl. 250—27)

1. A cathode ray sweep circuit including a source of sweep potential of saw-tooth wave form, an amplifier having an input and an output circuit, means for applying said sweep potential to said input circuit, a second amplifier having an input and an output circuit and an operational characteristic different from said first mentioned amplifier, means for applying said sweep potential to the input of said second amplifier, means for biasing said second amplifier to cut-off in the absence of said sweep potential, and means for adding the output of one of



said amplifiers to any portion intermediate the minimum and maximum output of the other of said amplifiers to obtain a sweep potential in which the sweep rate is different at different portions of the sweep.

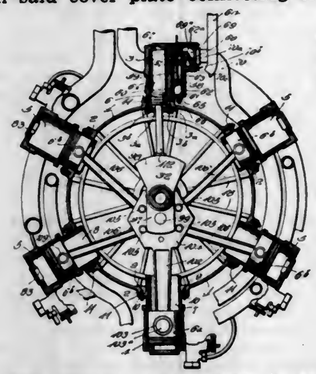
2,300,190
ATOMIZING OIL BURNER
Gaylord H. Wotring, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application February 24, 1940, Serial No. 320,567
5 Claims. (Cl. 158—76)



1. In a conversion oil burner for furnaces, the combination of combustion air supply means including a nozzle tube having air flow modifying means adjacent the outlet end thereof adapted to project a stream of air into a furnace combustion chamber, oil supply means including an atomizing nozzle mounted within said air nozzle tube adjacent said air flow modifying means, and air flow control means for varying the shape of the burner flame including a casing having a scroll surrounding the other end of said air nozzle tube and provided with an air inlet opening having an adjustable flow diversion vane for controlling the rotational component of air flow within said scroll, and an adjustable symmetrical multiported sleeve valve disposed inside said casing in alignment with said air nozzle tube for admitting a plurality of air streams from said casing into said tube and controlling the volume of said streams.

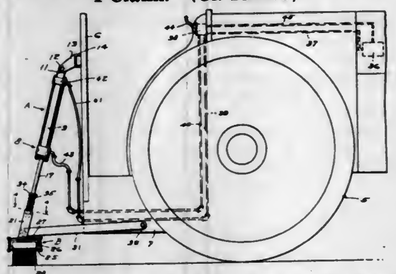
2,300,191
RADIAL MULTIPLE EXPANSION STEAM ENGINE
Charles H. Young, Stockton, Calif.
Application October 27, 1937, Serial No. 171,265
3 Claims. (Cl. 121—102)

1. In a steam engine of the class described, a valve mechanism comprising, a valve cylinder having a vacuum chamber at one end and a cover plate at the other end and formed with ports to be controlled, a valve means reciprocable in said valve cylinder having a valve piston for controlling said ports, a vacuum piston subjected to the vacuum in said vacuum chamber and a rod connecting said pistons, and valve operating means comprising a rotatable cam, a cam follower slidably guided and engaging said cam, a first pivoted lever, means connecting one end of said lever to said follower, a second pivoted lever, means connecting one end of said second pivoted lever to the other end of said first pivoted lever, said means including a ball and socket joint at the point of connections to the pivoted levers and a valve actuating rod passing through said cover plate connecting the other



end of said second pivoted lever to said valve piston, whereby said vacuum in said vacuum chamber creates a bias on said valve means to cause motion of said valve means in one direction and whereby said cam causes motion of said valve means in the opposite direction.

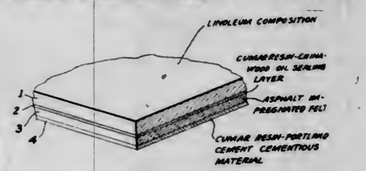
2,300,192
HYDRAULIC CONTROLLED DRAG BROOM
James Bradley Allen, Winchester, Ky., assignor to Allen-Codell Company, Winchester, Ky.
Application November 5, 1941, Serial No. 417,967
1 Claim. (Cl. 15—78)



The combination with a road roller having a back cab structure, of a bar extending across the back structure, a fluid pressure ram comprising a cylinder depending from said bar and having an upper end pivoted thereto, a piston rod extending out of the lower end of said cylinder, an elongated brush including a back extending crosswise of said roller in the rear thereof, an upwardly arching frame on top of said back and having ends connected to said back adjacent opposite ends of the latter, a yielding connection between said piston rod and the center of said frame, and means to introduce fluid under pressure into opposite ends of the cylinder selectively.

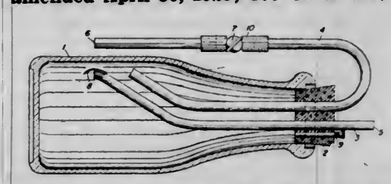
2,300,193
COVERING
Frank M. Allen, Summit, N. J., assignor to Congoleum-Nairn Inc., a corporation of New York
Application November 14, 1938, Serial No. 240,318
8 Claims. (Cl. 154—49)

1. As an article of manufacture, a preformed covering of the character described which is resistant to disintegration by moisture present in the sub-surface to which the covering may be applied, comprising a sheet-like body portion and on the back of said body portion a normally hard and water-resistant cementitious material, said body portion including a fibrous sheet impregnated with a waterproofing material, a top deco-



rative and wear-resistant layer of linoleum composition and an alkali-resistant and substantially water-impermeable sealing layer containing water- and alkali-resistant resinous material between said sheet and said surface layer and directly bonded to the upper side of said sheet, and said cementitious material being directly bonded to the under side of said sheet and comprising at least about 20% of cumar resin.

2,300,194
APPARATUS FOR SAMPLING LIQUIDS
Alvin G. Anderson, Greenville, S. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office
Application May 11, 1942, Serial No. 442,555
2 Claims. (Cl. 73—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

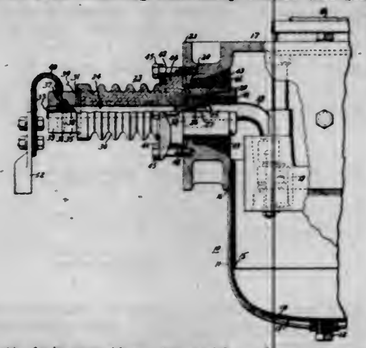


1. A liquid sampling apparatus comprising a container for holding a sample of liquid, said container being capable of holding air under pressure, a tube for admitting liquid in the container, a second tube for the escape of air from said container, the outer openings of said tubes facing in opposite directions at different elevations, and a valve for each of said tubes, the valves of said first tube being a check valve to prevent the escape of air under pressure in the container.

2,300,195
ELECTRICAL APPARATUS
Ralph S. Bennett, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 12, 1941, Serial No. 410,557
4 Claims. (Cl. 174—75)

1. In an electric cutout of the oil filled type including a casing having an opening therein, a bushing assembly including a hollow insulator and a conducting stud concentrically mounted with respect to one another, nontamperable means for fastening said insulator to said conducting stud, resilient means for mounting said bushing assembly in said casing opening, and flexible means for electrically connecting said

cutout with associated apparatus so that vibration of said bushing assembly under the shock of

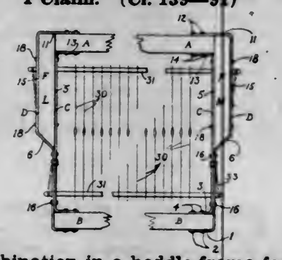


circuit interruption in said cutout may occur without damage to said insulator.

2,300,196
MANUFACTURE OF SELENIUM RED PIGMENTS
Abe R. Bozarth, Cleveland, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
No Drawing. Application May 10, 1940, Serial No. 334,424
8 Claims. (Cl. 106—301)

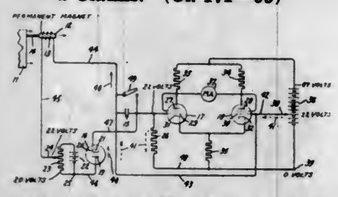
1. Process of preparing a selenium red pigment including the steps of preparing a green cake capable of yielding such pigment, heating such green cake in a closed container, venting such container at least until the initial atmosphere and any water vapor have been displaced, and maintaining in said container during the remainder of the calcination at atmosphere of selenium vapor while preventing ingress of substantial quantities of air.

2,300,197
HEDDLE FRAME
Thomas A. Brown, Cramerton, N. C., assignor to Emmons Loom Harness Company, Lawrence, Mass., a corporation of Massachusetts
Application July 28, 1941, Serial No. 404,312
1 Claim. (Cl. 139—91)



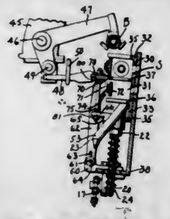
The combination in a heddle frame for looms; of top and bottom wooden rails of substantially the same thickness; with end members comprising metal strips of substantially the same width as the thickness of the rails, the ends of said strips being bent over and secured to the ends of the top and bottom rails, each outside metal strip being fastened directly to an inside strip along part of their length and being separated from such inside strip the rest of their length by a wooden spacing strip of greater thickness than the top and bottom rails.

2,300,198
PEAK VELOCITY INDICATOR
Theodore R. Brown, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 10, 1942, Serial No. 446,478
2 Claims. (Cl. 171—95)



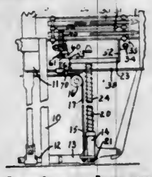
1. A peak voltage indicator comprising a condenser, a discharge tube type of rectifying element and a source of negative bias voltage in series with connections for applying a voltage the peak value of which is to be measured, a voltmeter connected across the condenser for measuring the voltage of the charge accumulated thereon by the application of the peak voltage to be measured through the rectifying element, and a circuit for compensating leakage current of the rectifying element comprising a resistor having relatively high resistance and a voltage source having relatively high potential difference connected in series across the condenser, the values of said last-mentioned potential difference and resistance being selected to produce a bleeding current equaling the leakage current of the rectifying element.

2,300,199
SUPPORT FOR SHIFTING SHUTTLE BOX MECHANISMS
Benjamin W. Brouwer, Auburn, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 2, 1942, Serial No. 437,420
7 Claims. (Cl. 139—182)



1. In a loom having a lay provided with a pair of shuttle boxes which are shifted vertically by a downwardly yieldable actuator and wherein provision is made for downward replenishment of a shuttle in the upper shuttle box while the lower shuttle box is empty and the shuttle binder of the latter is in the path of a shuttle entering the lower box, a bobbin chute secured to the under side of the shuttle boxes and moving vertically with the latter and connected to the yieldable actuator to transmit a lifting force from the actuator to the shuttle boxes, a lever pivoted on the lay and having an arm to engage the shuttle binder of the lower shuttle box, means tending to move the lever toward said binder, and cooperating locking parts on said lever and bobbin chute in position for mutual engagement when the binder is in said path of a shuttle entering the lower box to prevent downward motion of the bobbin chute and shuttle boxes with respect to the lay, said binder effective to move the lever to disengage said cooperating parts when a shuttle enters said lower box and moves the binder.

2,300,200
SHUTTLE BOX SUPPORT FOR WEFT REPLENISHING LOOMS
Benjamin W. Brouwer, Auburn, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 2, 1942, Serial No. 437,421
9 Claims. (Cl. 139—182)



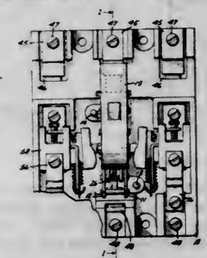
1. In a loom having a lay provided with a pair of shuttle boxes which are shifted vertically by a downwardly yieldable actuator and wherein provision is made for downward replenishment of a shuttle in the upper shuttle box while the lower shuttle box is empty and the binder of the latter is in shuttle engaging position, a bobbin chute secured to the shuttle boxes and connected to the yieldable actuator to transmit a lifting force from the latter to the boxes, a lever pivoted on said bobbin chute, and means normally to place one arm of the lever in engaging position relatively to said binder of the lower box and place another arm of the lever over a part of the lay to prevent downward movement of the bobbin chute and boxes, entry of a shuttle into said lower box moving the binder and causing the latter to rock said lever and move said other arm out of vertical alignment with said part of the lay.

2,300,201
BOTTLE CARRIER
Henry E. Brunhoff, Wyoming, Ohio, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application June 22, 1940, Serial No. 341,931
3 Claims. (Cl. 224—48)



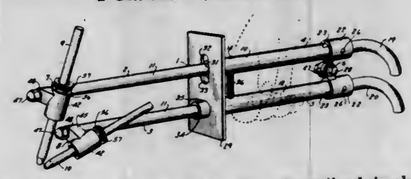
1. A hand carriage bottle crate, comprising: a base, side frames of wire work, each having its bottom cross bar portion hingedly connected to a relative side of the base, and its opposite ends bent inwardly to rest upon the tray and limit the inward swing of the frame in an upright position and offset the opposite ends and top of the frame inwardly from the bottom cross bar portion, a sheet metal web providing a closure for the body portion of the frame having its opposite ends bent laterally and connecting with the relative opposite ends of the frame, the side frames swinging outwardly from a perpendicular position on the base, and a pair of bails, each hingedly connected to a respective top of a side frame and centrally thereof, the bails adapted one to be interlooped through the other to bring and lock the same into a horizontal position for engagement with the top of the opposite side frame to link the side frames together in their perpendicular position.

2,300,202
CIRCUIT BREAKER
William Lawrence Butler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 28, 1941, Serial No. 390,643
19 Claims. (Cl. 200—116)



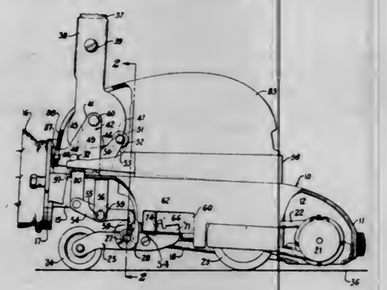
1. A circuit breaker comprising cooperating switch contacts, a floating lever having a first end connected to move one of said contacts, means for slidably supporting said lever at at least one end, a manually operable operating lever pivoted at a fixed point and slidably and interlockingly engaging said floating lever intermediate its ends, latch means for normally retaining the other end of said lever in a position fixed with respect to said fixed point, said floating lever providing frictional means arranged to engage said operating lever to retain said floating lever in a contact closing position, and a spring connected between said floating lever and said operating lever to bias said floating lever to a contact opening position and said operating lever to an off position while also biasing said frictional means into engagement with said operating lever..

2,300,203
WELDING TORCH
Edgar W. Campbell, Kansas City, Mo., assignor to Hammett Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application June 14, 1941, Serial No. 398,136
4 Claims. (Cl. 219—14)



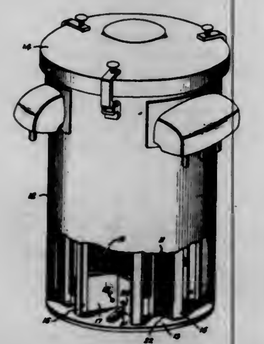
4. A device of the character described including, a pair of electrode holders having handle portions at one end, electrode rod supporting means at the other end of the electrode holders, electrodes in said supporting means, a hinge connecting the holders adjacent the handle portions, a shield fixed to one of the electrode holders and having a slot passing the other electrode holder for limiting movement of the electrode holders on said hinge connection, and a spring between the shield and hinge and having action to normally urge the electrode holders apart.

2,300,204
SUCTION CLEANER
Vernon E. Carlson, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 17, 1939, Serial No. 268,180
18 Claims. (Cl. 15—9)



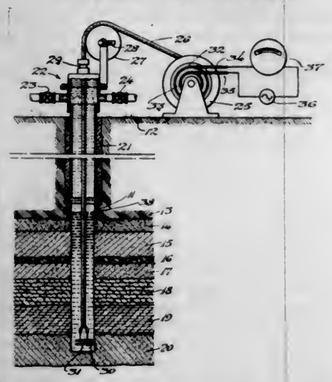
1. In a suction cleaner, a casing having a port adapted to receive a converter member to convert the cleaner for off-the-floor cleaning, barrier means movably mounted on said casing and normally positioned to obstruct the entrance to said port, a motor housing mounted on said casing and having at least a part thereof movable with respect to the cleaner motor and operatively connected to said barrier means, said part of said motor housing being movable with respect to said motor upon exerting pressure thereon to unlock said barrier means for movement from said obstructing position in said port.

2,300,205
APPARATUS MOUNTING ARRANGEMENT
Paul L. Christensen, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 2, 1940, Serial No. 332,982
4 Claims. (Cl. 175—361)



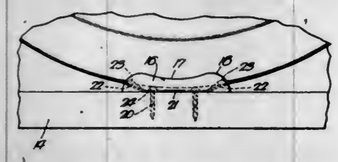
1. In combination, an enclosing housing having a base, apparatus enclosed in said housing and resting on said base, means for positioning said apparatus on said base comprising two pairs of bars secured to said base, said bars of each pair being parallel to and symmetrically offset from opposite sides of a diameter of said base, the lower portion of said apparatus being provided with grooves for permitting the lower portion to straddle said bars.

2,300,206
TESTING WELL
Joseph B. Clark, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application October 30, 1941, Serial No. 417,075
15 Claims. (Cl. 175—182)



1. A method of determining the location of the lowermost point of water entry into a well comprising the steps of displacing the well fluids in said well to a point above said lowermost point by a high resistivity liquid the specific gravity of which exceeds that of the water in said well, and which is substantially immiscible with said well fluids, causing water from a permeable formation to flow into said well whereby an interface is produced in the column of fluid in said well substantially at said boundary, and thereafter determining the location of said interface.

2,300,207
DEVICE FOR HOLDING DISHES IN CUPBOARDS
James E. Cuff, Hinsdale, Ill.
Application October 25, 1940, Serial No. 362,773
5 Claims. (Cl. 211—41)



2. A cleat comprising the combination of a base and a generally flat flange forming an angle section and upwardly bendable wings extending in continuation of the base outwardly along the flange, the edges of the wings remote from the flange being turned upwardly.

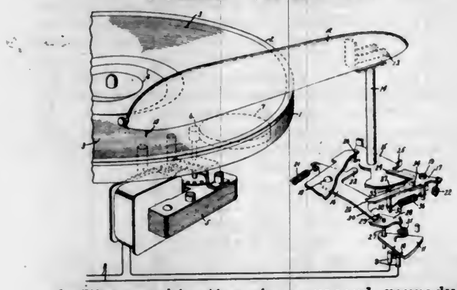
2,300,208
UREA-ALDEHYDE RESIN COMPOSITION
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application April 19, 1940, Serial No. 330,555
22 Claims. (Cl. 260—70)

1. A composition comprising a resinous product of reaction of ingredients comprising (1) a urea, (2) an aldehyde of the class consisting of aliphatic aldehydes and furfural, and (3) an organic compound having the graphic formula



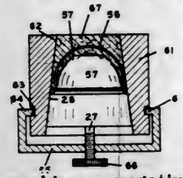
where X is a member of the class consisting of nitrile radicals, and carbamyl and thiocarbamyl radicals having at least one hydrogen atom attached directly to the nitrogen atom thereof.

2,300,209
RECORD REPRODUCING DEVICE
Donald R. De Tar, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application March 6, 1941, Serial No. 381,933
6 Claims. (Cl. 192—124)



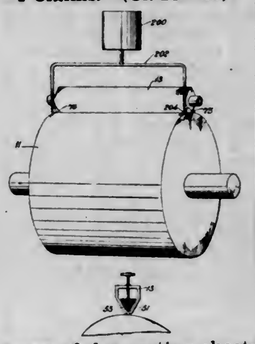
1. The combination, in a record reproducing mechanism, of a ratchet movable about a pivot as a record is being reproduced, a lever extending from its pivot along said ratchet and having a pawl pivoted thereon, means to bias said pawl to ride over said ratchet during said movement of the ratchet and to transmit reverse movement of the ratchet to said lever to rotate said lever about its pivot, and a trip means responsive to said movement of said lever to control said record reproducing mechanism.

2,300,210
APPARATUS FOR MAKING CONTACT LENSES
Arthur F. Dittmer, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application December 31, 1938, Serial No. 248,832
1 Claim. (Cl. 18—34)



A form for making a negative mold for the manufacture of contact lenses of the type having a glass corneal lens and a scleral rim of moldable plastic material, comprising a frusto-conical locating member, a rim forming member secured on the small end thereof with its center on the axis of the frusto-conical member and in predetermined position relative to the size and taper thereof, a sleeve having a conical opening therethrough, the taper of the opening being the same as the taper of the locating member, and means for pressing said locating member into the large end of the opening in said sleeve, the sides of said opening and said locating member and rim forming member constituting a form in which said mold can be cast.

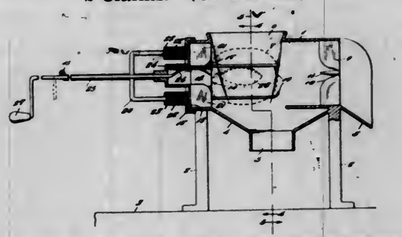
2,300,211
FILM PRODUCING PROCESS AND APPARATUS
Walter C. Eberlin, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 8, 1938, Serial No. 218,125
4 Claims. (Cl. 18—15)



1. The process of dry casting sheets and films from film-forming solutions, which comprises the step of applying a volatile solvent material onto the casting surface solely at the sections surrounding the extreme ends of the casting zone.

2. In a process for the dry casting of sheets and films from film-forming solutions, the step which comprises restricting the flow of film-forming solution adjacent the ends of the extrusion orifice to a greater extent than at other sections of said orifice by partially obstructing the flow of film-forming solution from the extrusion orifice adjacent the ends thereof and applying a volatile solvent material onto the casting surface solely at the sections surrounding the extreme ends of the casting zone.

2,300,212
PEACH STONER
Sarah Caroline Farmer, Eugene, Oreg., assignor of one-half to Lydia May Clark, Modesto, Calif.
Application December 8, 1941, Serial No. 422,148
2 Claims. (Cl. 146—28)



1. A machine of the character described comprising a horizontal, substantially cylindrical housing open at one end, a stationary blade mounted in the open end portion of said housing, a piston in operative alignment with said blade operable in the housing, means for supporting a fruit on said piston, blades slidable in the housing for cutting one end portion of the fruit, the piston including spaced half-sections

for the reception of the slidable blades therebetween, and means for actuating the piston in the housing for forcing the fruit past the stationary blade.

2,300,213

BORON FLUORIDE COMPLEX AS CATALYST FOR THE ESTERIFICATION OF CELLULOSE

Franklin Trimby Flaherty, Swarthmore, Pa., and Ambrose McAlevy, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 19, 1940, Serial No. 314,656
4 Claims. (Cl. 260—227)

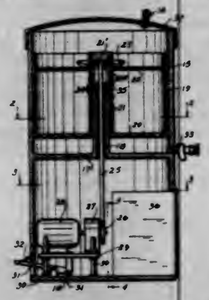
1. The process which comprises reacting cellulose, in contact with at least 10% of a boron trifluoride complex (based on the weight of the cellulose) selected from the group consisting of complexes of boron trifluoride and an aliphatic acid, complexes of boron trifluoride and an alkyl ester of an aliphatic acid, and complexes of boron trifluoride and water, with an esterification mixture containing an aliphatic acid having less than 5 carbon atoms in the molecule and less than that amount of an aliphatic anhydride theoretically necessary to react with the hydroxyl groups of the cellulose.

2,300,214

WASHING MACHINE

Clifford E. Fleming, Clarence M. Corlew, and Francis L. Orr, Denver, Colo., assignors of one-fourth to James O'Keefe, Stavely, Alberta, Canada

Application August 28, 1939, Serial No. 292,284
2 Claims. (Cl. 68—156)



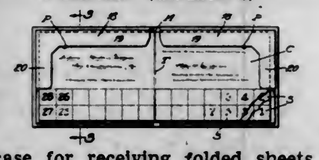
1. A washing machine comprising, a compartment adapted to contain cleansing liquid, a basket formed with a foraminous bottom and adapted to receive material to be cleansed slidably disposed for vertical reciprocation in said compartment, a foraminous top closure for and slidable vertically within said basket, means operable to adjustably position and hold said top closure in pressing engagement against the basket contents, a hollow stem rising axially from the floor of and within said compartment, a sleeve fixed axially of said basket in telescoping, reciprocable relation with said stem, a power unit associated with and beneath said compartment, a pitman operatively connecting through said stem between said power unit and the upper end of said sleeve, whereby said basket may be reciprocated vertically of said compartment into and out of engagement with the liquid therein for repetitious circulation of said liquid in alternately opposite directions through the basket contents, and selectively-operable means for altitudinally adjusting the position of said power unit to altitudinally vary the reciprocatory range of said basket relative to said compartment.

2,300,215

FOLDING CASE

Benjamin B. Freifeld, New York, N. Y.

Application May 12, 1942, Serial No. 442,652
6 Claims. (Cl. 129—1)



1. A case for receiving folded sheets to be bound therein comprising a pair of hingedly connected complementary cover sections, means on the inside of the cover sections for receiving and holding the top folded corner edges of folded sheets, and means normally extending from the lower edges of the cover sections and foldable inwardly thereover and between the folds of the innermost folded sheet and coperating with said first means to prevent accidental separation of the sheets from the cover sections.

2,300,216

BOOKMARK

Isaac Grodsky and Abraham Stitt, Brooklyn, N. Y.

Application April 10, 1941, Serial No. 387,816
2 Claims. (Cl. 116—119)



1. A combined bookmark and pencil holder consisting of a strip of flexible sheet material bent intermediate its ends to form a looped portion and two flatly contiguous leg members extending from said looped portion, and fastening means securing said leg members together at a point proximate to said looped portion and holding said looped portion in closed position, whereby said leg members are adapted to embrace and frictionally engage the edge portion of a leaf of a book and said looped portion is adapted to receive and hold a pencil or the like beyond the edge of the leaf and in parallel relation thereto.

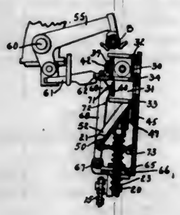
2,300,217

SUPPORT FOR SHIFTING SHUTTLE BOXES ON WEFT REPLENISHING LOOMS

Joseph Grzesik, Dracut, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application April 2, 1942, Serial No. 437,422
10 Claims. (Cl. 139—182)

1. In a loom having a lay provided with a pair of shuttle boxes which are shifted vertically with respect to the lay by a downwardly yieldable actuator, a shuttle binder for the lower shuttle box to be in one position when the box therefor is empty and moved to another position by entry of a shuttle into said lower box, a floor on which a shuttle in the upper box rests, a support for said floor, and means to move said support under said floor to brace the same during downward replenishment of the shuttle resting on said floor when the lower box is empty and the binder is



in said one position, a shuttle entering the lower box causing the binder to move the support to said other position out of bracing relation relatively to said floor prior to descent of said boxes.

2,300,218

ELECTROLYTIC REDUCTION OF SUGARS IN ACID SOLUTIONS

Ralph A. Hales, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 7, 1939, Serial No. 249,705
14 Claims. (Cl. 204—77)

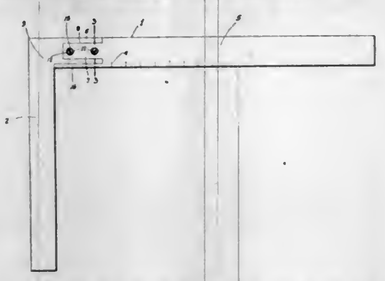
1. The process for producing a sorbital-containing product which comprises electrolytically reducing glucose in an aqueous solution comprising substantial amounts of sulfuric acid and sodium sulfate as the catholyte in contact with the cathode in the catholyte compartment of an electrolytic diaphragm cell, and maintaining said catholyte at a pH substantially less than 7.0 and not less than about 1.5 throughout the reduction.

2,300,219

KNOCKDOWN CARPENTER SQUARE

Elmer N. Hannum, Sacramento, Calif.

Application October 31, 1941, Serial No. 417,287
2 Claims. (Cl. 33—114)



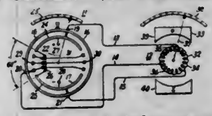
1. In a rafter square which includes a blade and a tongue; the blade being sectional and the sections normally being disposed in end to end engagement, a finger projecting centrally longitudinally from the end of one section, the other section having a groove in which said finger symmetrically seats, means detachably securing the finger in said groove, an extension formed on said one section in parallel but spaced relation to said finger, the extension having its outer edge flush with the working edge of said one section, and the extension normally engaging the corresponding edge of the other section from end to end.

2,300,220

TELEMETERING SYSTEM

Gerd Hempel, Berlin-Reinickendorf, Germany, assignor to General Electric Company, a corporation of New York

Application April 7, 1941, Serial No. 387,301
In Germany January 30, 1940
6 Claims. (Cl. 172—239)



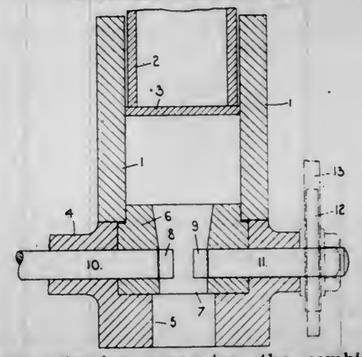
4. In a direct-current telemetering system, a transmitter comprising a pair of relatively rotatable elements, one of which comprises a plurality of brushes equiangularly spaced apart on the circumference of a circle and adapted to be connected by conductors to a multi-coil receiver, and the other of which relatively rotatable elements comprises a pair of arcuate contact segments to which a source of direct current is adapted to be connected, and a potentiometer resistor electrically connected between the said contact segments, said potentiometer resistor having taps arranged along the arc of a circle in a gap between said contact segments, said brushes being adapted to make contact with said segments and said taps as relative rotation takes place.

2,300,221

EXTRUSION OF METAL ARTICLES

John Aherne Heron, Farnham Common, England, assignor to High Duty Alloys Limited, Slough, England

Application June 5, 1940, Serial No. 339,011
In Great Britain April 14, 1939
6 Claims. (Cl. 207—18)



1. In extrusion apparatus, the combination with a container for a heated billet, a die at the outlet from said container and a plunger for extruding the metal of the billet through the orifice of said die, of at least one turnable member having a variably profiled portion projecting into said die orifice from its periphery, and means for turning the said member during extrusion to vary the effective periphery of said die orifice and impart a variable section to the extruded article.

2,300,222

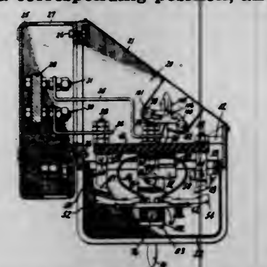
SWITCH

William V. Honey, Fortress Monroe, Va., assignor to General Electric Company, a corporation of New York

Application March 11, 1941, Serial No. 382,796
22 Claims. (Cl. 200—17)

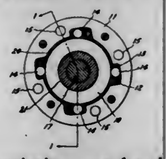
1. In a switch, a first pair of relatively mov-

able contacts, a second pair of relatively movable contacts, means movable from a neutral position to a first position for actuating said first pair of contacts and movable to a second position for actuating said second pair of contacts, latching means cooperable with said actuating means for holding said actuating means in its neutral or first or second positions in order to hold said contacts in a corresponding position, and locking



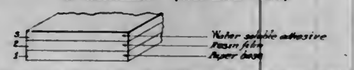
means cooperable with said actuating means and movable from a first to a second position, said locking means when in its first position allowing said actuating means to move from its neutral position to its first position but preventing movement to its second position, said locking means when in its second position allowing movement of said actuating means from said neutral to its second position but preventing movement to its first position.

2,300,223
TRANSMISSION MECHANISM
Frederick W. Hottenroth, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 4, 1941, Serial No. 413,623
2 Claims. (Cl. 192—45)



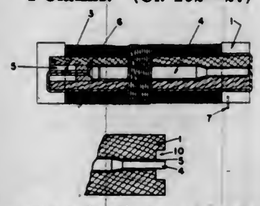
1. In a transmission mechanism of the type having a pair of clutch elements arranged one within the other and capable of free rotation with respect to each other and the outer element having one or more recesses diminishing in depth in a circumferential direction, said elements being formed of nonmagnetic material, a wedging member of magnetic material disposed in each of said recesses, and permanent magnet means adjacent to the shallow end of each recess for urging each of said wedging members to the wedging position.

2,300,224
TAPE
Ferdinand W. Humphner, Oak Park, Ill., assignor to Mid-States Gummed Paper Co., Chicago, Ill., a corporation of Delaware
Application February 25, 1939, Serial No. 258,564
3 Claims. (Cl. 154—43)



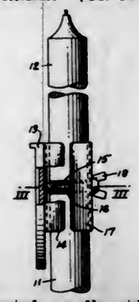
1. A veneer tape of the character set forth, comprising an unimpregnated paper base, a lacquer coating thereon, a paper strip impregnated with a heat-responsive condensation resin, a frangible adhesive over said lacquer coating for temporarily bonding said paper base to said paper strip, and a water-soluble adhesive over the exposed surface of said strip, said first-mentioned adhesive providing a frangible bond whereby said paper base may be stripped away from said resin-impregnated paper strip.

2,300,225
SAFETY PRIMER FOR ELECTRIC BLASTING CAPS
John B. Johnson, Piedmont, Calif., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application December 1, 1938, Serial No. 243,358
4 Claims. (Cl. 102—27)



1. In a prepared primer adaptable for direct loading into the bottom of a bore hole to effect detonation of an explosive charge the combination of a wooden spool, a longitudinal bore therethrough, an electric blasting cap disposed within said bore and integrally bonded to the walls thereof, the detonating end of said cap substantially flush with one end of said bore and the lead wires of said cap extending from the other end of said bore, and back to the detonating end by means of a slot on the outer surface of said spool.

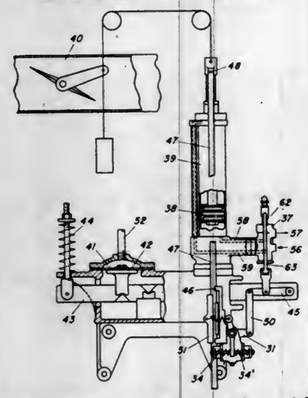
2,300,226
CANDLE HOLDER
Elmer Henry Ketchum, San Francisco, Calif., assignor to The Burridge Co., San Francisco, Calif., a copartnership composed of Frank Balsa, John Bracco, and Elmer H. Ketchum
Application May 6, 1941, Serial No. 392,130
3 Claims. (Cl. 67—23)



2. An ornamental candle splicing device comprising, a body member of ornamental design having diagonally disposed ears forming a V-shaped channel extending vertically along its back surface and into which the ends of adjacent candle portions of varying diameters may be disposed, and internally threaded member extending from said body member centrally of said V-shaped channel adapted to rest upon one of said candle portions and form a support for the other of said candle portions, a cooperating member adapted to engage said candle portions

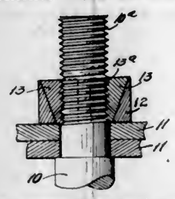
oppositely of said V-shaped channel, and threaded means engaging said internally threaded member for clamping said cooperating member against said candle portions, whereby said candle portions will be securely clamped in coaxial relation in the V-shaped channel carried by said body member and in a concealed position behind said ornamental body member.

2,300,227
STABILIZING MEANS FOR RELAY TYPE REGULATORS
James L. Kimball, Danvers, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass.
Application August 7, 1941, Serial No. 405,801
12 Claims. (Cl. 236—85)



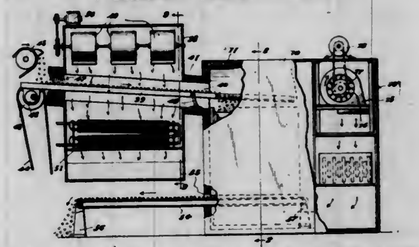
1. In a regulator, the combination with a device adapted to control variables of a fluid pressure system to be regulated, of a motor for operating said device, a pilot control element adapted to control a source of power to operate said motor, an element responsive to said variables for operating the pilot control element, a fluid coupling operated from the power motor, in any position thereof co-operating with the responsive device in governing the pilot control element, said coupling comprising two cooperating elements with resilient means for centering said coupling at a neutral position and having an effective degree of operation relatively limited as compared to the degree of operation of said motor, and a slip clutch interposed between the motor and said coupling.

2,300,228
NUT CONSTRUCTION
Layton C. Kinney, Chicago, Ill.
Application February 23, 1942, Serial No. 432,011
6 Claims. (Cl. 151—19)



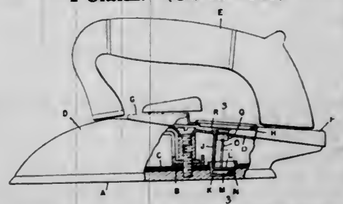
6. In a quick assembly nut construction for use with a bolt, a shell and separable inserts having opposed internally threaded faces adapted to cooperate with a bolt therebetween, said inserts being housed in said shell, said shell and said inserts having slidably engaging faces disposed to retain a flush engagement upon upward and outward movement of said inserts relative to said shell, guiding means on said inserts and guiding means on said shell for cooperating with said first named guiding means, one of said guiding means being disposed substantially obliquely relative to the longitudinal axis of a bolt engaged by said internally threaded faces to positively guide said inserts outwardly laterally apart from one another as they move upward relative to said shell.

2,300,229
FREEZER FOR PEAS AND OTHER PRODUCE
Frank W. Knowles, Seattle, Wash.
Application August 17, 1938, Serial No. 225,429
7 Claims. (Cl. 62—102)



3. A produce freezing apparatus of the class described, comprising: an insulated container, a compartment communicating with the upper end of the container, a feeder tray extending through said compartment, said container having an inlet opening communicating with said compartment, said feeder tray extending through the opening for delivering produce into said container, means for creating a current of cooled air and for removing sensible heat from the produce while said produce passes through the compartment and over the feeder tray, agitating and conveying means located within the container for passing the produce progressively from a higher to a lower temperature region in its path through the container, means for admitting a blast of low temperature air into the lower end of the container, and means for removing the air from the upper end of the container.

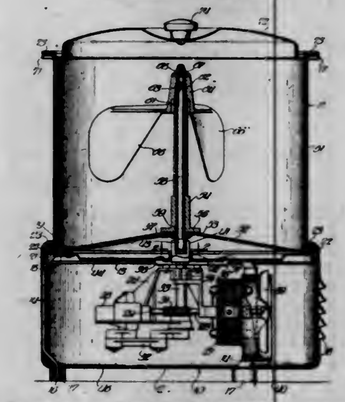
2,300,230
THERMOMETER UNIT FOR ELECTRIC IRONS
Frank Kuhn, Detroit, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan
Application June 16, 1941, Serial No. 398,352
1 Claim. (Cl. 73—343)



The combination with a laundry iron having an electrically heated sole plate and a hood covering the same, said hood being provided with a deck portion spaced above the same to form an intervening air chamber, of a thermometer unit comprising a dial plate arranged within an aper-

ture in said deck, a bracket arm depending from said dial plate passing through an aperture in said hood and having its lower end positioned within a recess in said sole plate, a spiral thermostatic bar mounted on the lower end of said bracket arm, a shaft operatively connected with said spiral thermostatic bar extending upward through said dial plate, an index hand mounted on said shaft above said dial plate, and a clip on the lower side of said dial plate extending through said aperture in the hood and forming a snap locking engagement with the periphery of the latter.

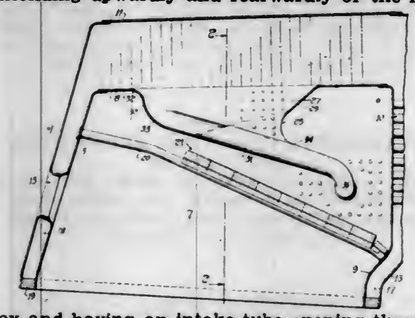
2,300,231
WASHER
Myron J. Landgraf, Chicago, Ill., assignor to Henry J. Goldblatt, Chicago, Ill.
Application May 31, 1940, Serial No. 337,959
11 Claims. (Cl. 68—3)



11. In a portable clothes washer comprising the combination of separable base and tub assemblies, a base assembly having a housing including bottom and side walls and a top plate, a shaft extending through the top plate carrying a clutch member, means within the housing for imparting oscillating motion to said shaft, and said tub assembly having side walls and a dished bottom, an agitator shaft projecting centrally of the bottom, and a clutch member carried by the said agitator shaft for engaging the clutch member on the base assembly, the clutch member on the tub assembly being disposed within the dished portion of said tub bottom whereby the tub may be placed upon a flat surface, as of a stove or the like, without interference from the agitator shaft or the clutch member carried thereby.

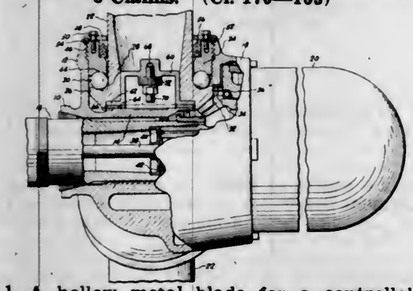
2,300,232
LOCOMOTIVE BOILER FIREBOX
Bert E. Larson, Park Ridge, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application November 27, 1940, Serial No. 367,350
2 Claims. (Cl. 122—68)

1. In combination with a locomotive type boiler firebox including a crown sheet, side sheets and front and back sheets and an arch tube supported fire arch extending upwardly and rearwardly from a point adjacent the front sheet to a point spaced forwardly of the back sheet, and water circulating and steaming means arranged in the firebox entirely above the arch, said means including a plurality of laterally spaced elements, each having a flat hollow body disposed entirely above the arch and longitudinally of the firebox and having an elongated discharge opening through the crown sheet, the bottom of said body extending upwardly and rearwardly of the fire-



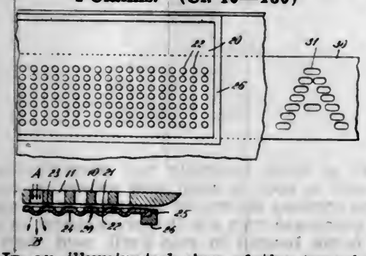
box and having an intake tube opening through the adjacent side sheet at a point above the front end of the arch, the hollow body of each element having a portion disposed rearwardly of the rear end of the arch.

2,300,233
PROPELLER BLADE MOUNTING
Erle Martin, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application October 13, 1939, Serial No. 299,275
3 Claims. (Cl. 170—163)



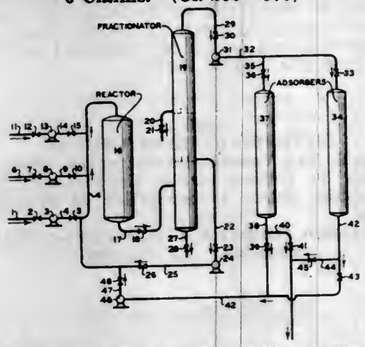
1. A hollow metal blade for a controllable-pitch propeller having an integral base end flange formed to provide an annular thrust bearing race on one side thereof and a closely adjacent blade turning gear sector, on the opposite side thereof, and a closure member for the base end of said blade carried by said blade and formed to provide a thrust bearing surface opposed to the thrust bearing surface on said flange.

2,300,234
LUMINOUS SIGN
William F. O'Gorman, New York, N. Y.
Application January 29, 1941, Serial No. 376,441
4 Claims. (Cl. 40—130)



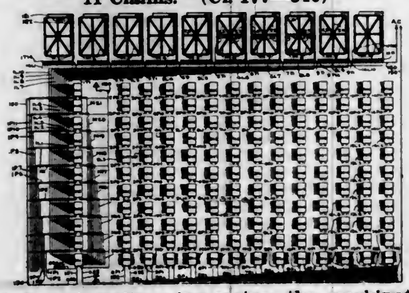
1. In an illuminated sign of the type having a source of light and a perforated opaque band, a panel of a single piece of integral light transmitting material having parallel faces constructed to form substantially circular indentations in one of said faces spaced to cooperate with the perforations in the band and correspondingly situated bead-like protuberances from the opposite face formed by said indentations, with an opaque coating on one of said faces covering the spaces between the indentations therein.

2,300,235
ISOMERIZATION OF PARAFFINS
Herman Pines and Herman S. Bloch, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 12, 1940, Serial No. 360,906
6 Claims. (Cl. 260—676)



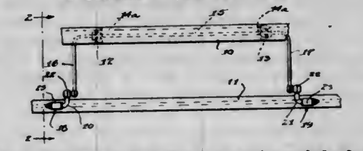
1. In the isomerization of paraffins in the presence of hydrogen chloride and an isomerizing catalyst comprising substantially anhydrous aluminum chloride, the method which comprises separating from the products of the isomerizing step an isomerized paraffinic fraction, unconverted paraffinic hydrocarbons and a gas mixture containing hydrogen chloride, contacting said gas mixture with a solid adsorbent to separate hydrogen chloride from the mixture by adsorption thereof in the solid adsorbent, subsequently desorbing hydrogen chloride from the solid adsorbent and supplying the same to the isomerizing step.

2,300,236
SYSTEM AND CORRELATED APPLIANCES FOR PRODUCING ILLUMINATED MOVING WORDS
Louis L. Rustad, Minneapolis, Minn., assignor to Telesignwriter Company of America, Incorporated, Minneapolis, Minn., a corporation
Application December 4, 1939, Serial No. 307,496
11 Claims. (Cl. 177—346)



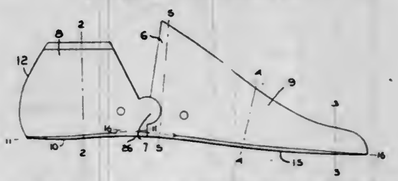
4. In a traveling sign system the combination of a plurality of successively arranged monograms each comprising a plurality of similar electrically operated monogram elements similarly arranged in each monogram, a plurality of sets of cycle switches, each set having conjointly a switch for each monogram element and each switch having a home position and a plurality of other positions, each successive position of which corresponds to a successive corresponding monogram, selecting means for selecting successively the sets of cycle switches and for moving selected switches of the selected set out of their home positions, means for thereafter moving the switch members which have been so moved from their home positions to their succeeding positions in response to the successive set selections, and circuit means connecting the successive switch positions of each cycle switch to successive corresponding elements in each of the successive monograms, whereby when a switch is initially moved from home position by the selecting means when its corresponding set is selected it will successively render operative its corresponding element in the successive monograms and thereby produce a traveling monogram character.

2,300,237
STABILIZER ROD
Bruno Schroeter and Samuel McCarl Scully, Detroit, Mich., assignors to O. & S. Bearing Company, Detroit, Mich., a corporation of Michigan
Application September 18, 1940, Serial No. 357,243
4 Claims. (Cl. 267—11)



1. An anti-sway bar for an automobile having a frame and an axle comprising a U-shaped bar having a base and parallel arms, having its base rotatably but not slidably mounted on said frame, an L-shaped link connecting each arm of said U-shaped bar with said axle, a ball joint between the end of each arm and one end of its respective link, and a single axis bearing connection between the other end of said links and said axle arranged substantially parallel to said axle whereby said frame and said axle may move toward or away from each other but may not move relatively in a sidesway direction.

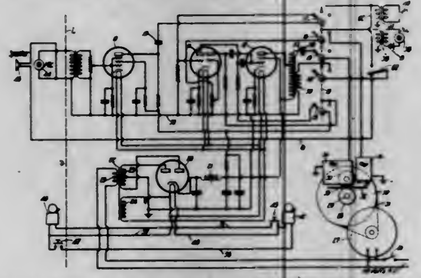
2,300,238
LAST FOR BURIAL FOOTWEAR
Charles F. Schulte, Columbus, Ohio, assignor to Practical Burial Slipper Company
Application October 15, 1940, Serial No. 361,249
3 Claims. (Cl. 12—133)



1. A shoe last for burial shoes comprising a forepart, a heel part connected by an arch section having its form characterized by presenting a negative toe spring and a top arch contour

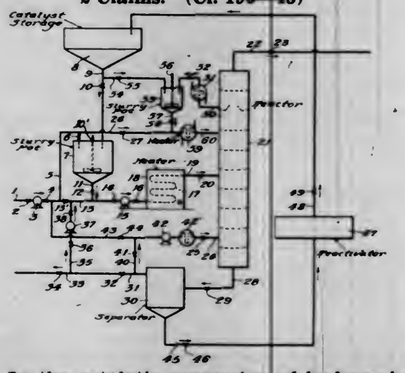
extending from the upper limit of the cone of the toe section, which presents contours which are substantially flat as compared to an ordinary last, thus increasing foot space in a shoe built thereon.

2,300,239
SIGNAL RECORDING AND COMMUNICATION SYSTEM
Ferdinand C. W. Thiede, Hempstead, N. Y., assignor to B. A. Proctor Company, Inc., New York, N. Y., a corporation of New York
Application October 3, 1940, Serial No. 359,488
4 Claims. (Cl. 179—100.4)



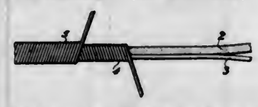
1. A device for recording signals on a record and reproducing the signals comprising, in combination, an amplifying device having input and output circuits and comprising a plurality of amplifying stages, a microphone disposed at a point remote from the record and arranged to be connected to the amplifier input circuit, means for driving the record, a recorder for recording the signal on the record, a sound reproducer disposed adjacent to the record, and a switching device arranged in one position thereof to connect the recorder to the output circuit of the last stage of the amplifier and to disconnect the sound reproducer from the amplifying device, and in another switch position to disconnect the recorder from the output circuit of the last stage and tc connect the sound reproducer to the output of a stage preceding the last.

2,300,240
CONVERSION OF HYDROCARBONS
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 25, 1939, Serial No. 291,891
2 Claims. (Cl. 196—48)



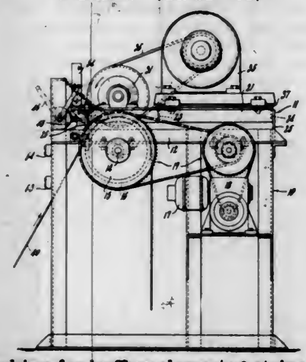
1. In the catalytic conversion of hydrocarbon oils, the method which comprises mixing the oil with a powdered cracking catalyst, heating the mixture while flowing in a restricted stream to a conversion temperature under sufficient pressure to maintain the oil substantially in liquid phase, introducing the thus heated mixture to an intermediate point in the height of a vertically elongated reaction zone maintained under conversion conditions of temperature and pressure, passing unvaporized portions of the mixture downwardly through the lower portion of said zone, passing vaporous products liberated in said lower portion of the reaction zone upwardly in countercurrent contact with the descending oil and catalyst mixture, fractionating the vapors in the upper portion of the reaction zone, removing resultant reflux condensate and mixing the same with additional cracking catalyst, introducing the resultant mixture to the reaction zone above said intermediate point but below the point of removal of the reflux condensate, and removing fractionated vapors from the top of said zone and unvaporized conversion products and catalyst from the bottom thereof.

2,300,241
COVERED RUBBER THREAD
George S. Van Voorhis, Easthampton, Mass., assignor to United Elastic Corporation, Easthampton, Mass., a corporation of Massachusetts
Application January 8, 1941, Serial No. 373,591
4 Claims. (Cl. 57—140)



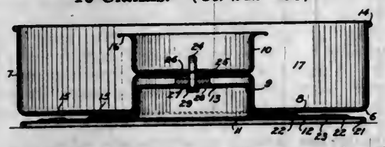
1. A covered rubber thread, comprising a rubber core, a flexible cover therefor snugly enclosing the same, and a nylon thread extending along said core and enclosed in said cover with said core in a stretch-limiting relationship thereto, said nylon thread having a limited degree of elasticity but being devoid of a sharp breaking point, whereby it serves to limit the extent of stretch of the rubber thread without breaking under a sharp snap.

2,300,242
BUFFING MACHINE
George F. Wikle, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application October 17, 1940, Serial No. 361,531
1 Claim. (Cl. 51—78)



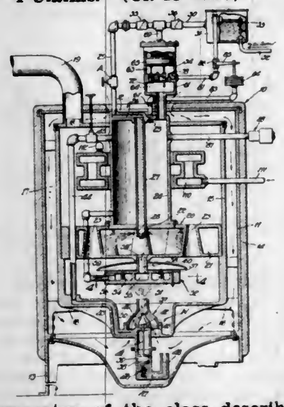
A machine for buffing elongated strips or sheets of relatively soft yieldable material comprising in combination a main frame having a work-supporting drum rotatably mounted thereon, a presser roll mounted on said frame for holding sheets of material on the drum, independent driving means for rotating said drum supported on said frame, a secondary frame above the main frame, a buffing wheel rotatably supported in the secondary frame adjacent one end thereof, independent driving means supported by the secondary frame for rotating the buffing wheel, relatively rigid slightly bendable means supporting the opposite end of the secondary frame and connecting said opposite end to the main frame whereby the weight of said buffing wheel and its driving means will constantly urge said buffing wheel towards the work-supporting drum, and an adjustable support for supporting the first mentioned end of the secondary frame upon the main frame and for limiting the approach of the buffing wheel toward the work-supporting drum.

2,300,243
HOSE HOUSING
Frank P. Zierden, St. Francis, Wis.
Application June 7, 1941, Serial No. 397,029
16 Claims. (Cl. 242—86)



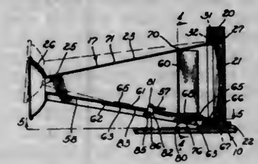
1. A hose housing comprising, a main circular cup-shaped casing having a central internal hub provided with opposite end recesses, and a circular plate having a central projection interchangeably cooperable with said hub recesses to provide either a closure or a support for permitting rotation of said casing thereon.

2,300,244
COMBINED GAS GENERATOR AND HEATER
Ernest Achterman, Westfield, N. J., assignor to Mauro Novello, Scotch Plains, N. J.
Application October 11, 1939, Serial No. 298,919
4 Claims. (Cl. 48—107)



1. An apparatus of the class described comprising in combination, an oil vaporizer and converter unit, a gas burner so positioned as to heat the oil vaporizer and converter unit, a gas accumulator chamber above said unit in open communication therewith and having a gas offtake, an oil supply reservoir, an oil feed line connecting said reservoir with said unit including a tube extending through said gas accumulator chamber and having a spray nozzle disposed in said unit whereby oil from the spray nozzle is introduced into said unit and converted into hot gas by the heat from said burner for accumulation in the gas accumulator chamber, and low pressure responsive pump means in the pipe line and operatively connected to the gas accumulator chamber and operable by the low pressure of gas which accumulates therein for boosting the pressure of the flow of oil through the pipe line to forcibly discharge oil from the spray nozzle.

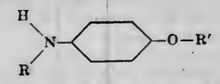
2,300,245
CAMERA CONSTRUCTION
Burgess H. Bell, deceased, late of Hollywood, Calif., by Gwen Wakeling Bell, administratrix, Hollywood, Calif.
Application November 29, 1940, Serial No. 367,806
6 Claims. (Cl. 95—44)



1. The combination with an extensible focusing camera having an offset view-finder of means to vary the view-finder image according to changes in the camera image resulting from changes in the camera focus, said means comprising: means responsive to extension and contraction of the camera to incline said view-finder relative to the camera to cause the axis of the view-finder field to converge on the focal axis of the camera at substantially the distance from the camera at which the camera is focused; masking means mounted on the view-finder and movable relative thereto toward and away from the view-finder axis to vary the area of the view-finder field; and actuating means anchored to the camera proper and extending from the camera to the view-finder to derive actuating energy from movement of the view-finder relative to the camera, said actuating means being operatively connected to said masking means to move the masking means in accord with the movement of the view-finder relative to the camera.

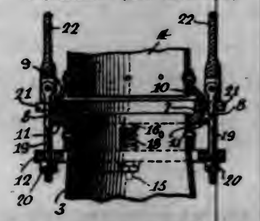
2,300,246
INHIBITOR FOR GASOLINE
Joseph A. Chenicek and Robert H. Rosenwald, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 27, 1939, Serial No. 301,636
5 Claims. (Cl. 44—75)

3. A process for stabilizing olefin-containing hydrocarbon oil against deterioration of its valuable properties which comprises adding to said oil a minor portion of a compound of the following general structure:



wherein R and R' are alkyl groups selected from the group consisting of normal butyl, isobutyl, secondary butyl and tertiary butyl groups.

2,300,247
ADJUSTABLE COUPLING
Amedee Dion, Ste. Therese de Blainville, Quebec, Canada
Application June 4, 1941, Serial No. 396,573
1 Claim. (Cl. 285—91)



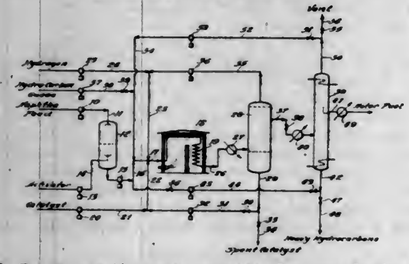
A universal coupling comprising a pair of coupling rings adapted for attachment respectively to members to be coupled, said rings having mutually contacting complementary spherical surfaces, a floating anchor ring adapted to surround one of said members, spring-pressed pins slidably mounted in said anchor ring and having their upper ends engaging the coupling ring on the last named member, rods extending from said anchor ring and engageable with the remaining coupling ring, levers on said rods and adapted to latch on said remaining coupling ring, and lock nuts on said pins and rods for adjusting them lengthwise in said anchor ring.

2,300,248
FRAME FOR BLACKBOARDS
Anthony A. Elnett, New York, N. Y.
Application December 9, 1940, Serial No. 369,178
11 Claims. (Cl. 35—63)



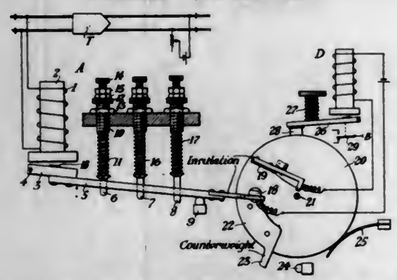
1. A frame for a blackboard or the like including a metal strip enclosure in cross-section a base web, an outer offset web parallel to said base web, an intermediate web connecting said base web to said offset web, a plurality of clips secured to the outer face of said offset web, a plurality of flat double end springs secured to the base web, and means for drawing said clips toward said springs resiliently to grip the edge of a blackboard between said slips and said springs, the flat springs having an outer bowed portion to engage the blackboard, one end portion being secured flat against said base web and the other end portion free to ride on said base web according to the thickness of the blackboard portion being engaged by the associated bowed portion and the consequent tension exercised on such blackboard portion.

2,300,249
CATALYTIC CONVERSION PROCESS
Bernard L. Evering and Edmond L. d'Ouville, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application October 14, 1940, Serial No. 361,022
8 Claims. (Cl. 196—78)



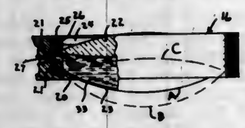
6. In a continuous process for producing a high antiknock motor fuel fraction from a substantially saturated naphtha rich in straight-chain paraffin hydrocarbons, the step comprising passing an admixture of said naphtha, an activator affording a hydrogen halide and an active liquid aluminum chloride hydrocarbon complex through an elongated reaction zone maintained at a temperature in the range from about 100° F. to about 450° F. and a superatmospheric pressure sufficient to maintain said naphtha substantially in the liquid phase, said complex being prepared by the action of anhydrous aluminum chloride and an activator affording a hydrogen halide on a substantially saturated fraction rich in at least one paraffin hydrocarbon having at least two side chains and at least six carbon atoms per molecule at a temperature in the range from about 50° F. to about 175° F.

2,300,250
TRACK CIRCUIT APPARATUS
Arthur W. Fisher, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 20, 1940, Serial No. 371,019
3 Claims. (Cl. 246—41)



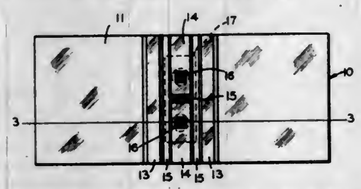
1. In combination with a section of railway track and a source of track circuit current connected across the rails of said section, a track relay receiving energy from said source over the rails of said section, said relay having a movable armature which develops a magnetic torque varying along a first predetermined curve with change in position of the armature for the maximum energization of the relay corresponding to maximum ballast resistance in said section, said armature developing a magnetic torque which varies along a second predetermined curve with change in position of the armature for pick-up energization of the relay corresponding to minimum ballast resistance in said section, and means for establishing a torque which opposes the magnetic torque of the relay, said opposing torque varying along a curve which falls between said second and said first curves and which intersects said second and said first curves at substantially the pick-up and full stroke armature positions respectively.

2,300,251
VARIABLE FOCUS LENS
Edward F. Flint, Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application January 23, 1941, Serial No. 375,646
1 Claim. (Cl. 88—57)



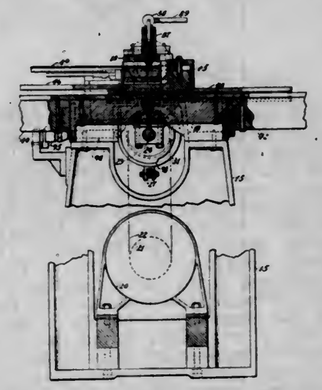
A variable focus lens comprising a lens mounting member having an opening extending therethrough, a substantially rigid lens element of transparent material and a plurality of elastic diaphragms of transparent material closing said opening, said lens element and elastic diaphragms being mounted in spaced apart relation to provide separate compartments within said mounting member, a transparent fluid within each compartment, the fluid in different compartments having differing indices of refraction, a source of supply of each fluid carried by the mounting member, each source being connected to a different compartment and force actuated means for selectively controlling the volume and the pressure of the fluid within each compartment to vary the deformation of said elastic diaphragms at will.

2,300,252
HEMACYTOMETER
Leigh B. Hall, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application December 20, 1940, Serial No. 371,018
2 Claims. (Cl. 88—40)



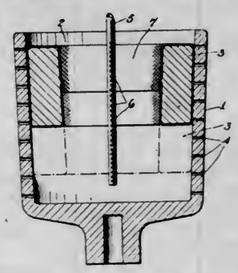
1. A hemacytometer having a transparent body with a top and a bottom surface, said bottom surface being formed with a support portion adapted to seat on a microscope stage and also formed with a central recess having a roof portion, a plurality of buttons depending from the roof portion of said recess and located in perpendicular relation to the top surface of said body, each button having its base adjacent the roof portion entirely surrounded by the latter, light filter means formed on the area of the roof portion unoccupied by the base of any button and a plurality of ruled areas, one for each button, formed on said top surface, each ruled area being located on said top surface in centered alignment over the base of its corresponding button.

2,300,253
DRILLING AND COUNTERSINKING MACHINE
Ernest L. Hamilton and Lawrence V. Whistler, Kenmore, and William G. Dechend and John J. Lee, Buffalo, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application June 24, 1941, Serial No. 399,438
18 Claims. (Cl. 77—21)



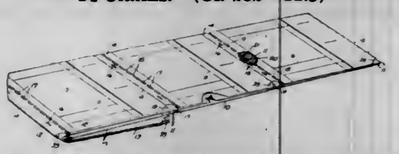
1. In apparatus for alternately and progressively drilling and countersinking holes in a work-piece, a support, means for intermittently feeding the work-piece across the support, a drill movable into and out of engagement with said work-piece, a countersink tool coaxial with the drill likewise movable into and out of engagement with the work-piece, and means to alternately move the drill and countersink tool in timed relation into and out of work piece engagement while the work piece is stationary relative to the support.

2,300,254
YARN PRODUCTION
Leroy G. Jackson, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 5, 1939, Serial No. 307,596
3 Claims. (Cl. 18—54)



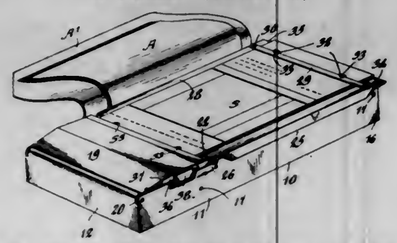
1. A process for the centrifugal forcing of treatment liquids through tapered, annular yarn cakes which comprises the steps of rotating said yarn cake at a sufficiently high speed to force the treatment liquid outwardly through the side wall thereof, passing a quantity of treatment liquid against the internal periphery of said cake, and supporting said cake during the entire centrifuging treatment solely from the external periphery thereof.

2,300,255
STRESS ABSORBING RECORD ASSEMBLY
James Gordon Kerr, Washington, D. C., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y., a corporation of Delaware
Application December 18, 1940, Serial No. 370,680
14 Claims. (Cl. 282—11.5)



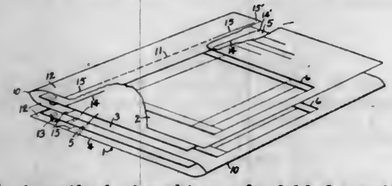
13. In a manifolding assembly, in combination, a plurality of long continuous strips in superposed manifolding relation, and transverse stress absorption zones in the assembly positioned at longitudinally spaced intervals therealong for absorbing and equalizing strip stresses, each said absorption zone including as a part thereof two longitudinally spaced transverse strip weakening formations along transverse lines in the respective superposed strips and extending along the respective forward and rearward marginal portions of the absorption zone, one of said transverse lines of weakening formations of each of the respective superposed strips at each said absorption zone having strip weakening formations of appreciable longitudinal extent lengthwise of the assembly so as to form a flexible transverse stress absorbing band of appreciable longitudinal extent lengthwise of the assembly at the respective absorption zones to render them flexible for stress absorption.

2,300,256
MANIFOLDING APPLIANCE FOR FAN-FOLDED FORMS
James Gordon Kerr, Washington, D. C., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y., a corporation of Delaware
Application January 2, 1941, Serial No. 372,713
13 Claims. (Cl. 282—2)



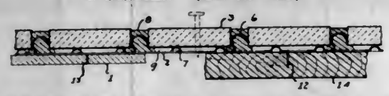
1. A manifolding device including, in combination, a platen for supporting continuous record strips in inscription receiving position, means for supporting a pad of leaves for movement into inscription receiving position on said platen, a transfer sheet supporting frame movably mounted adjacent to said platen so as to position the transfer sheet carried thereby for transferring inscriptions made on said record strip to a leaf of said pad, said supporting frame having an opening through which the transfer sheet is exposed in transfer relation to said pad leaf, transfer sheet supporting means longitudinally spaced from said supporting frame for supporting one or more transfer sheets in transfer relation with the continuous record strips on said platen, and means for checking feed movement of the record strips with inscription areas thereof in transfer alignment with the pad leaf.

2,300,257
CARBON INTERLEAVED STATIONERY
James Gordon Kerr, Washington, D. C., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y., a corporation of Delaware
Application March 7, 1941, Serial No. 382,120
4 Claims. (Cl. 270—32)



4. A method of making a fanfolded manifolding assembly, including: forming spaced longitudinal weakened severance lines in a long continuous record sheet, forming in said sheet between said longitudinal severance lines, a longitudinal fold line weakened to folding resistance to a greater extent than the folding resistance of said severance lines, advancing the sheet initially folded at a forward part on said longitudinal fold line, over a folding guide thus to exert folding effort progressively along the longitudinal sheet area occupied by said severance fold lines so as to cause the sheet to fold selectively along said weakened longitudinal fold line and forming relatively superposed record strips with stub portions adjacent to the severance lines along a longitudinal margin of the assembly, interleaving a transfer strip with the record strips and attaching it to one of said stub portions, and forming elongated slits through both the record and transfer strips thus assembled at longitudinally spaced intervals along the assembly in substantial longitudinal alignment with said weakened severance lines of the record strips.

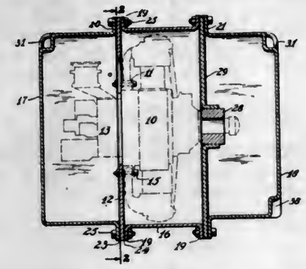
2,300,258
VENEER SLAB SPACING AND GRIPPING ELEMENT
Joseph Kublanow, Pittsburgh, Pa.
Application October 5, 1939, Serial No. 298,041
4 Claims. (Cl. 72—19)



1. Metal stripping for mounting veneer slabs on the sidewall of dwellings and the like comprising strips adapted to be vertically disposed on the wall of the dwelling in spaced relation, each strip having resilient tangs upstanding thereon, which are arched to space the veneer slabs, with the free end of the tang adapted for engagement with the edge of one slab and the back of the tang with the face of an adjacent slab so that the chord of the arch of the tang defines the width of the mortar line between slabs.

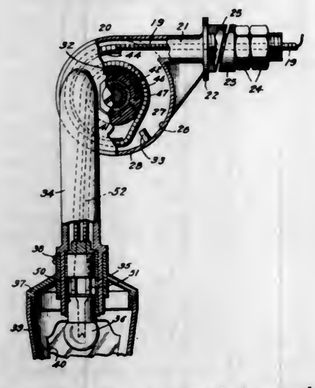
2,300,259
SEALED ENGINE CONTAINER
Albert E. Kueppers, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application April 6, 1940, Serial No. 328,332
7 Claims. (Cl. 206—46)

1. A metallic cylindrical drum container comprising cylindrical parts securable at their edges to one another, whereby the drum when opened parts between its ends, a mounting plate to which a packed article is secured having a perforated peripheral portion engageable between the edges of said cylindrical parts, said cylindrical part



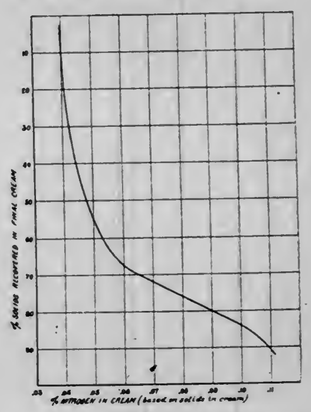
edges comprising perforate flanges, and bolts passing through the plate and flange perforations securing the flanges and mounting plate periphery together.

2,300,260
AUTOMOBILE SIGNAL
William Larkin, Tacoma, Wash., assignor to Theodore O. Storaasli, Tacoma, Wash.
Application April 30, 1940, Serial No. 332,539
2 Claims. (Cl. 177—327)



1. In an automobile signal, in combination a fixed bracket mounted on the automobile and extending outward therefrom and provided with a cylindrical cup, having a horizontal axis, tangentially formed on said fixed bracket, together with an arcuate ground flange formed in said cup and having a closure plate mounted concentrically on said cup and adapted to rotate thereon and to move axially thereon, an arcuate cable guide flange mounted on said closure plate and in said cut, a spring mounted on said fixed cup and engaging said closure plate to resist the axial motion thereof, a signal arm extending tangentially from said closure plate, a translucent pointer mounted on the end of said signal arm, an electric lamp mounted on said signal arm and within said pointer, an electric conductor comprising an armored cable connected to said lamp, a ground wire connected to said lamp, both said armored cable and ground wire passing from said lamp in said signal arm to the interior of said fixed cup, an insulating disk mounted on said closure plate and in said cup, the periphery of said disk clamping said armored cable between it and said closure plate, said cable passing thence to said arcuate guide flange and thence through said bracket into the automobile and thence to a grounded source of electric energy, said ground wire passing from said arm to a terminal mounted on said disk and adapted to engage said arcuate ground flange within said cup to ground said lamp and complate the electric circuit, and operating means engaging said armored cable to pull it and thereby to cause the signal arm and pointer to swing outward from the car, and simultaneously to ground the lamp and cause it to illumine said pointer.

2,300,261
PURIFIED RUBBER LATEX AND PROCESS OF PREPARING SAME
John McGavack, Leonia, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Original application February 16, 1939, Serial No. 256,672. Divided and this application August 2, 1940, Serial No. 350,103
4 Claims. (Cl. 260—822)

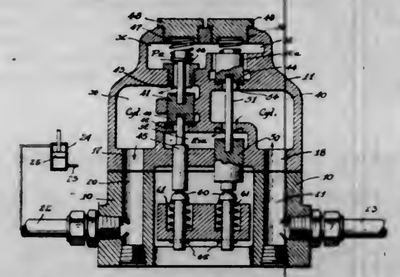


1. The process of purifying rubber latex which comprises separating rubber latex into cream and serum portions and washing the rubber particles in the cream a sufficient amount so that not more than 2% of the original serum of the latex remains in the final cream, and recovering in the final cream not more than 50% of the total solids of the original latex, at least 50% of the total solids of the original latex being separated in the serum portion or portions.

2,300,262
PRESERVATION OF LATEX
John McGavack, Leonia, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 10, 1940, Serial No. 356,185
4 Claims. (Cl. 260—820)

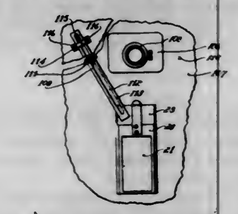
1. Latex containing .2% to .75% of a base selected from the group consisting of ammonia, water-soluble organic derivatives of ammonia, and fixed alkalies, said base being in amount less than that which of itself would preserve the latex, and said latex also containing .002% to .2% of a material selected from the group consisting of nitrated compounds and halogen substituted nitrated compounds of paraffinic hydrocarbons having no more than three carbon atoms.

2,300,263
RAPID OPERATING VALVE
Roy D. McLeod, Detroit, Mich., assignor to Ross Operating Valve Company, Detroit, Mich., a corporation of Michigan
Application February 16, 1940, Serial No. 319,223
4 Claims. (Cl. 121—46.5)



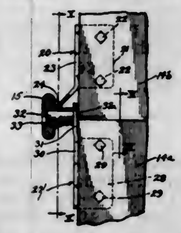
1. A valve structure of the type having a housing, interconnecting chambers and channels, including pressure and exhaust, formed in said housing for the conducting of fluid pressure to and controlling the operation of, a double acting piston in a cylinder, a first valve in said housing positioned to control the pressure on one end of said cylinder, a second valve in said housing positioned to control the pressure on the other end of said cylinder, said first and second valves each being shiftable in the same direction to connect the ends of said cylinder respectively to a pressure chamber and exhaust chamber, and each being shiftable in the same opposite direction to reverse the connections between the pressure and exhaust chambers and the ends of said cylinder, valve stem means slidably connected to said first and second valves to effect shifting of the same, means to effect simultaneous shifting of said valves comprising a lever pivoted at one end of said housing, a solenoid operating on the other end of said lever, and means intermediate said ends for shifting said valves when said solenoid is energized.

2,300,264
PAPER HOLDER FOR PROJECTION PRINTING
George G. Morin, Holyoke, Mass.
Application March 30, 1940, Serial No. 326,921
7 Claims. (Cl. 88—24)



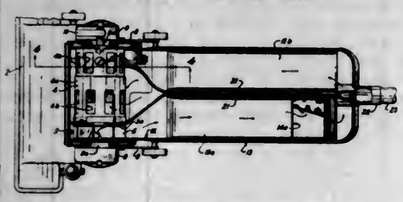
1. An easel for projection printing comprising a bed having a surface to support a sensitized paper, a masking member having a surface complementary to the surface of said bed and an opening exposing a portion of the surface of the bed the edges of said opening defining the boundaries of the image to be printed on the sensitized paper, marginal guides depending from the masking member closely adjacent the boundaries of the opening to form the back and sides of an area corresponding to a piece of sensitized paper to be placed on the surface of the bed, and a pivot journaling the mask to the bed and having its axis parallel to the front boundary of the area and located below the masking member and beyond said back marginal guide, said back marginal guide having a depth sufficient for it to extend across the plane of the bed surface in all operative relative positions of the bed and mask.

2,300,265
HINGE FOR DOOR CONSTRUCTION
Henry J. Siess, Detroit, Mich., assignor to Crawford Door Company, Detroit, Mich., a corporation of Michigan
Application May 13, 1940, Serial No. 334,720
5 Claims. (Cl. 16—171)



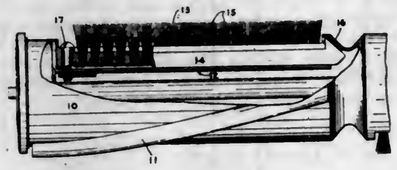
5. A hinge construction adapted for uniting adjoining door sections of a sectional door construction having guide tracks adjacent the side edges of the door sections, said hinge construction comprising a pair of separable hinge parts on the side edges of said adjoining door sections, said hinge parts having end portions in overlapping assembled relation, a pin on one end portion projecting laterally therefrom between the inner and outer faces of the door sections, said other end portion having a recess adapted to receive said pin in pivotal relation, and a roller movable in said track having a hub mounted on the pin to mount the door sections in operative relation to the track.

2,300,266
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 11, 1939, Serial No. 272,947
11 Claims. (Cl. 15—16)



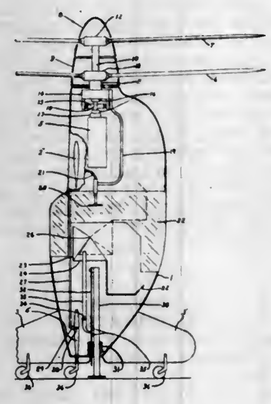
1. In a suction cleaner, the combination of a suction-creating unit comprising a fan mounted within a fan chamber having an exhaust outlet, and a motor for driving said fan, a conduit forming an extension of the exhaust outlet from said fan chamber, an independently rotatable rotary filter unit mounted at the outer end of said exhaust conduit remote from said suction-creating unit and including a dirt receptacle, and a return conduit for conducting clean air from said filter unit to said suction-creating unit for cooling said motor.

2,300,267
SUCTION CLEANER BRUSH
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 16, 1940, Serial No. 335,480
3 Claims. (Cl. 300—21)



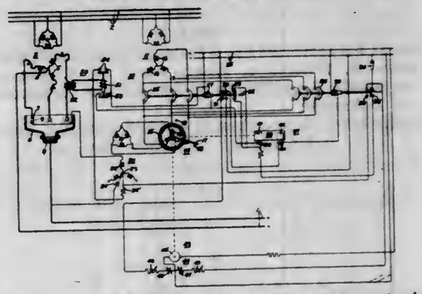
3. The method of making an agitator brush comprising the step of securing Nylon bristles in a carrying back and moving the assembly relative to a surface in a single direction with the bristle ends in abrasive contact therewith to effect a cold flowing of the bristle ends to a rounded contour.

2,300,268
AIRPLANE
Joseph Stuart, III, Wilmington, Del.
Application January 11, 1940, Serial No. 313,332
7 Claims. (Cl. 244—7)



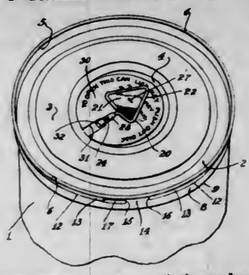
1. In an aircraft adapted to ascend and descend vertically and fly horizontally, the combination of an elongated body, wing surfaces extending transversely of and attached to said body, said wing surfaces including pilot-operated means of varying the aerodynamic actions of said wing surfaces, a gimbal mounting at the forward end of said body, a dual propeller system mounted in said gimbal mounting and pivoting therein by pilot control relative to the longitudinal axis of said body, said pilot control comprising a unitary pilot device acting upon both propeller system tilt and wing aerodynamic actions, an engine driving said propeller system, planetary gearing driven by said engine and driving said propellers in opposite directions at speeds less than engine speed, and a landing gear secured to the after part of said aircraft body and adapted to support said body with its longitudinal axis in a substantially vertical position while the aircraft is on the ground and to cushion the shock of said aircraft while landing.

2,300,269
SYSTEM FOR ELECTRIC VALVE TRANSLATING APPARATUS
Yoshiaki Toda, Tokyo, Japan, assignor to General Electric Company, a corporation of New York
Application May 24, 1940, Serial No. 336,995
In Japan September 27, 1939
9 Claims. (Cl. 175—363)



1. In combination, an alternating current circuit, a direct current circuit, electric translating apparatus connected between said circuits and comprising electric valve means having at least one control member for controlling the current conducted thereby, an excitation circuit comprising phase shifting means for impressing on said control member a periodic voltage variable in phase relative to the voltage of said alternating current circuit, a source of negative unidirectional biasing potential sufficient to render said electric valve means non-conductive, means responsive to a predetermined electrical condition of one of the first mentioned circuits for removing said periodic voltage thereby permitting said biasing potential to render said electric valve means non-conductive, control means for said phase shifting means for retarding and advancing the phase of said periodic voltage, and electrical means for independently adjusting the relative rates of retardation and advancement of said periodic voltage.

2,300,270
KEY STRUCTURE FOR TEAR STRIP CONTAINERS
Richard E. B. Wakefield, Clifton Heights, Pa., assignor to The Canister Company, Phillipsburg, N. J., a corporation of New Jersey
Application February 2, 1940, Serial No. 316,882
3 Claims. (Cl. 220—52)



1. A key for opening a container having a tear strip comprising a manipulating element having a hollow triangular-shaped head portion terminating in a shank normal to one side of the head portion, a triangular-shaped plate member adapted to fit in the hollow of the head portion and frictionally engage the adjacent edges of the tri-

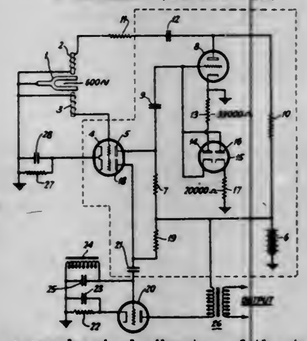
angular head portion, said plate member being provided with a centrally located slot adapted to engage the shank of the head portion, the distance of said slot with respect to the perimeter of said plate member being in excess of the radius of the coiled tear strip when completely rolled on the shank portion, whereby the plate member completely covers and extends beyond the coiled strip.

2,300,271

OSCILLATOR WITH STABILIZED FEEDBACK

James N. Whitaker, Weehawken, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 5, 1940, Serial No. 355,437
4 Claims. (Cl. 250—36)



1. In a mechanical vibrator of the type which generates low frequency electrical oscillations, an amplifier for said oscillations, a second stage amplifier for a utilizable output component from the first said amplifier, a feed-back circuit effective to sustain oscillations in said vibrator, said feed-back circuit including a discharge tube having a cathode, a control grid and an anode, means coupled to said anode for exciting said vibrator, a capacitor for feeding control potentials from the first said amplifier to the control grid of said discharge tube, and means connected in circuit between said cathode and said control grid for maintaining a bias on said grid which varies only between zero and a negative value with respect to the cathode, the last said means comprising a double diode rectifier tube, said rectifier tube having a cathode and a non-opposing anode connected to the control grid of the discharge tube in said feed-back circuit, the remaining electrodes being connected through independent parallel-disposed resistors to the cathode of the discharge tube in said feed-back circuit, said resistors being unequal in value.

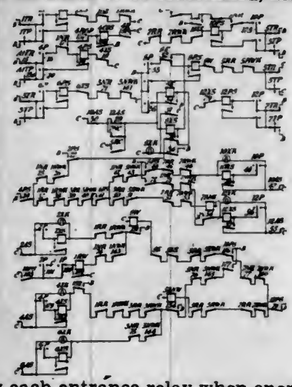
2,300,272

RAILWAY TRAFFIC CONTROLLING APPARATUS

Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application December 23, 1939, Serial No. 310,798
28 Claims. (Cl. 246—134)

1. In an interlocking control system, a track layout including track switches adapted to be arranged to form different routes for traffic movements in two directions, route levers for the ends of said routes each having a normal position and two control positions, an entrance relay for each route entrance and an exit relay for each route exit in said layout, normal and reverse route relays for governing the operation of the track switches to their normal and reverse positions, means for energizing the entrance and exit relays for the two ends of a selected route when the route levers for the ends of said route are successively operated to corresponding positions, a single route circuit network comprising conductors arranged to correspond with the tracks of said layout interconnected by movable contacts located at points corresponding to the locations of the track switches, said network comprising a route circuit for each route controlled by the exit relay for one end or the other dependent upon the traffic direction to be established, means con-



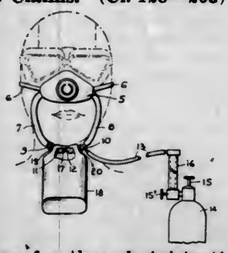
trolled by each entrance relay when energized for operating one or more of said movable contacts as required to isolate the route circuits controlled by such relay from those for conflicting routes having different entrance ends, means comprising the route circuit for a selected route having its entrance and exit relays energized for energizing said route relays as required to establish said route for traffic movements in either direction, and means controlled by said energized route relays for operating certain of said movable contacts as required to isolate said energized route circuit from the circuits for conflicting routes having different exit ends.

2,300,273

RESPIRATOR

Karl Connell, Branch, N. Y., assignor to Air Reduction Company, Incorporated, a corporation of New York

Application March 13, 1940, Serial No. 323,640
9 Claims. (Cl. 128—203)



1. Apparatus for the administration of gases, comprising a breathing member, a seatless two-way valve proximal to the breathing member, a variable-capacity reservoir member connected into said system at a point spaced from said breathing member, and means to supply gas to said system at a point spaced from said breathing member, the resistances of said reservoir member and of said valve being so correlated that said valve will open to release gaseous expiration products when said reservoir reaches a given state of distension on expiration and that said valve will open to admit air to said breathing member when said reservoir member reaches a given state of collapse on inspiration.

2,300,274

PROCESS FOR ANNEALING AUSTENITIC STEELS

Otto Dahl, Berlin-Wilmersdorf, and Franz Pawlek, Berlin-Kopenick, Germany, assignors to General Electric Company, a corporation of New York

No Drawing. Application June 20, 1940, Serial No. 341,596. In Germany June 27, 1939
2 Claims. (Cl. 148—16)

1. The process for annealing austenitic chromium-nickel alloy steel which comprises heating said steel in a furnace and in a nitrogen-hydrogen atmosphere at a temperature of about 1100° C. for about one-half hour, slowly cooling the steel in the furnace for about five to six hours and thereafter quickly cooling it.

2,300,275

METHOD OF PRODUCING COLLOIDAL LEAD IODIDE

Alfred Dinsley, La Canada, Calif., assignor of one-half to Charles L. McCarthy, National City, Calif., and one-half to William H. Rabsahl, San Diego, Calif.

No Drawing. Application June 10, 1940, Serial No. 339,742
4 Claims. (Cl. 252—313)

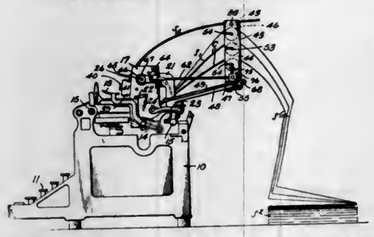
1. The herein described method of preparing a colloidal lead iodide consisting in mixing together two solutions, one consisting of lead acetate, ten grams, and five hundred cubic centimeters of a one per cent dextrose solution, then preparing another solution consisting of potassium iodide, ten grams and one hundred cubic centimeters of dextrose solution, then mixing the two solutions together, then bringing the mass solution to the boiling point for five minutes, then cooling the mass solution to one hundred degrees Fahrenheit, then filtering the mass, then refrigerating the filtered solution at thirty-two degrees Fahrenheit for twelve hours, then collecting the residue by separating the same from the fluid carrier.

2,300,276

STRIP FEED FOR TYPEWRITING MACHINES

Louis F. Hageman, Niagara Falls, N. Y., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware

Application December 9, 1939, Serial No. 308,438
4 Claims. (Cl. 197—134)



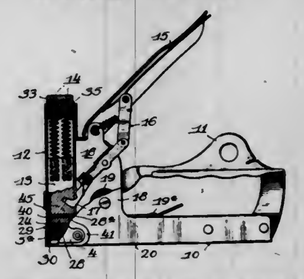
1. In a machine of the character described, in combination, a platen, means positioned beyond said platen in the direction of strip feed for feeding record strips into inscription receiving position on said platen, a transfer strip supply carriage mounted for movement toward and from said platen, a rotary threaded driving rod having threaded driving connection with said carriage, driving connections for driving said threaded rod by operation of said record strip feeding means so as to cause feeding movement of the transfer strip differentially with reference to record strip feed, and releasing means for said driving connection for setting the same in different driving positions along said threaded rod.

2,300,277

PIN DRIVING MACHINE

Augie L. Hansen, Chicago, Ill., assignor to A. L. Hansen Mfg. Co., Chicago, Ill., a corporation of Illinois

Application March 15, 1940, Serial No. 324,037
10 Claims. (Cl. 1—46)



1. In a pin-driving machine, a frame having a driveway, a yieldable wall portion adapted to fit into said driveway adjacent its lower end at an inward and downwardly inclined direction to form a relatively wide lateral guiding surface for the head of a pin, said wall portion also having a restricted groove therein disposed at a continuous outwardly flaring angle to said guiding surface to receive the shank of a pin in guiding relation when said pin is in initial driving position in said driveway, and a drive member operating in said driveway and cooperating with said wall portion to move the latter into vertical alignment with said driveway while the pin head is being ejected from said driveway.

2,300,278

MULTIPLE BAND BLADE SLICING MACHINE

William Walter Hartman, Los Angeles, Calif.

Application May 23, 1940, Serial No. 336,842
6 Claims. (Cl. 146—88)

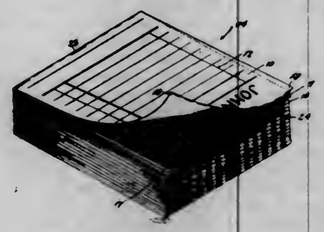
1. In a multiple band blade slicing machine embodying a stationary frame, a band blade drum against which run a multiplicity of endless band blades, a drum shaft on which said drum is revolubly mounted, the combination of mounting means for said drum shaft at one of its ends embodying a shaft supporting member tightly embracing the shaft end, means on said frame guiding said shaft supporting member for travel in a direction to increase the pressure exerted by the drum on said band blades, a spring supporting said shaft supporting member, and supporting means for said spring supported by said frame and adapted to be advanced with reference to said frame to a fixed operating position in which said spring exerts a predetermined pressure on said drum shaft supporting member, mounting means for the other end of said drum shaft embodying a mounting member connected with said frame and a shaft supporting member

for said other end of said drum shaft associated with said mounting member, said mounting means being supported by said frame normally in a position with said shaft supporting member in supporting engagement with said other end of said drum shaft, but movable with reference to said frame in a manner to separate its shaft supporting member from the drum shaft end, said shaft supporting member being movable, when in a position of supporting engagement with the drum shaft end, relatively to said



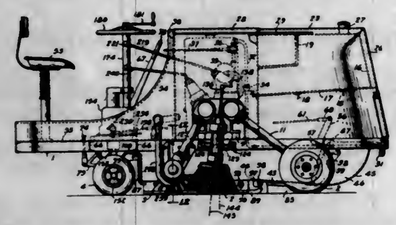
mounting member in a direction parallel to the travel of the supporting member for the first mentioned end of the drum shaft, a spring associated with said mounting member adapted to support said shaft supporting member for said other end of said drum shaft, and supporting means for said spring mounted on said mounting member and movable thereon to and from a fixed operating position in which said spring exerts a predetermined pressure on the shaft supporting member which it supports.

2,300,279
MANIFOLDING PACK
Arthur A. Johnson, Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application March 28, 1941, Serial No. 385,610
8 Claims. (Cl. 282—11.5)



2. Superposed record and transfer strips divided at equal intervals into successive superposed sheets by weakening lines, the lines in the record strips being straight and intersecting the side edges of the strips at right angles, the lines in the transfer strip extending arcuately from one side edge of the strip to the other side edge thereof, and the weakening lines of the record strip forming a chord of said arc.

2,300,280
APPARATUS FOR SWEEPING
Stephen R. Teager, Ravenna, Ohio, assignor to The Byers Machine Company, Ravenna, Ohio, a corporation
Application October 8, 1938, Serial No. 233,985
8 Claims. (Cl. 15—82)



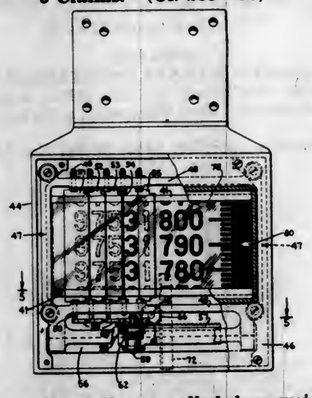
2. In a sweeper, a frame, traction means for supporting and moving the sweeper over a surface to be swept, a rotatable brush and means supporting the same on the frame to engage such surface, an engine on the frame, and power transmission means having driving connection with the engine, said transmission means comprising a housing secured to the frame and supported thereby, a main shaft journaled in and supported by the housing and connected to the engine to be rotated thereby, first and second auxiliary shafts journaled in and supported by the housing in parallel relation to the main shaft, rotatable drive members having driving connection with the auxiliary shafts and connected to the traction means and to the brush respectively, gear means on the main shaft, gears keyed on the auxiliary shafts and slidable therealong for movement into and out of engagement with the gear means, and operating devices extending through the housing and having connection with the gears, said devices being shiftable to selectively move the gears into engagement with said gear means to drivingly connect either the traction means or the brush or both to the main shaft and engine.

2,300,281
SELVAGE-FORMING DEVICE
José Barbotto, Medellin, Colombia, assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application November 22, 1941, Serial No. 420,095
8 Claims. (Cl. 139—54)



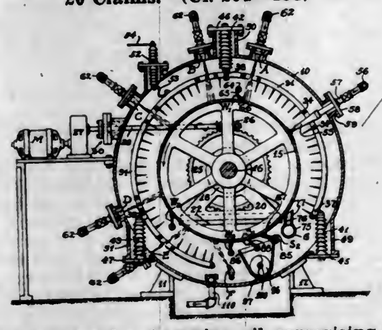
1. In a loom, the combination of the usual harness frames extending widthwise of the loom and moving vertically to form the usual shed opening in the main warp sheet, with a selvage-forming device comprising selvage needles mounted on one of said harness frames for vertical movement therewith and lateral movement relative thereto, said needles being adapted to carry selvage forming warp threads, and means movable independent of said harness frames for moving said needles laterally in opposite directions to thereby cross-lay said selvage forming threads.

2,300,282
SCALE
John R. Eash, Rutland, Vt., assignor to The Howe Scale Company, Rutland, Vt., a corporation of Vermont
Application August 20, 1938, Serial No. 225,846
5 Claims. (Cl. 265—48)



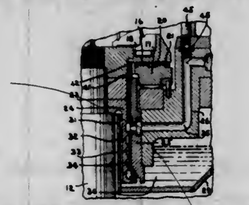
1. In a scale of the so-called drop weight type, in combination, a beam lever the movement of which is proportional to the load on the scale, a counterpoise operatively connected to said beam lever, a plurality of weights, means to support said weights independently of said counterpoise, a weight manipulating arm connected to said supporting means, self-indicating means comprising a chart, a multiplicity of columns of indicia thereon, said chart and indicia being of relatively different transparency, a light source, means for projecting said light onto or through said chart and onto a screen, a plurality of shutters respectively masking the images or reflections of the columns of indicia, respectively, and means operatively connected to said weight manipulating arm to successively vary the position of said shutters as successive weights are transferred from said supporting means to said counterpoise.

2,300,283
PROCESS AND APPARATUS FOR DEWAXING OIL
Harmon F. Fisher, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application February 21, 1938, Serial No. 191,682
20 Claims. (Cl. 204—184)



1. A process for dewaxing oil comprising precipitating wax in wax-bearing oil, subjecting the mixture to an electric field and electrically depositing the wax from the oil in a layer upon an electrode surface and wiping said depositing wax layer while on said electrode surface to remove adhering and occluded oil and to thereby produce a relatively dry waxy layer and removing the thus treated wax layer from the electrode surface.

2,300,284
LUBRICATION APPARATUS
George F. Gayer, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 28, 1940, Serial No. 354,513
1 Claim. (Cl. 184—6)

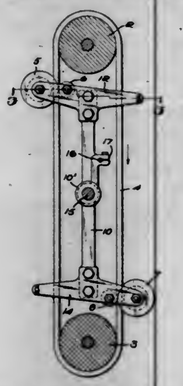


In a lubricating system for a thrust bearing and for an adjacent and depending steady bearing adapted to support from its upper end a vertical spindle structure having a substantial portion thereof operative in an elevated temperature region, said steady bearing including a vertical journal element forming a part of the spindle structure and a cooperating bearing element, and said system including means for dissipating heat absorbed by the lubricant: means providing a chamber to hold oil so as to submerge the thrust bearing surfaces; a viscosity pump below the steady bearing and including an outer member connected to said bearing element and an inner member forming a part of the spindle structure, said members having cooperating cylindrical surfaces providing an annular space communicating and in axial alignment with the annular space of the steady bearing so that the latter space may be supplied with oil from the pump space; a reservoir arranged so that oil therein submerges the lower end of the viscosity pump, one of the viscosity pump members having a spiral groove formed in its cylindrical surface and the groove cooperating with the cylindrical surfaces to convey oil from the reservoir and through the annular space of the pump, the junction portion of the pump and bearing annular spaces, and the bearing annular space to said chamber; passageway means for withdrawing oil from the junction portion of said bearing and pump spaces and for returning such oil to the reservoir; and means providing for the return to the reservoir of oil overflowing from said chamber.

2,300,285
VARIABLE SPEED DRIVING MECHANISM
Eugene C. Gwaltney, Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application August 16, 1940, Serial No. 352,903
5 Claims. (Cl. 74—242.3)

5. A variable speed drive, comprising two pulleys, each of approximately frusto-conical form, reversely positioned with reference to each other, a belt connecting them to drive one from the other, said belt being relatively narrow and thick and wider at one edge than the other, and means for adjusting said belt lengthwise of the pulleys comprising a plurality of rolls simultaneously engaging the surfaces on three sides of the same

transverse cross-sectional portion of said belt and thereby cooperating to exert a rolling grip

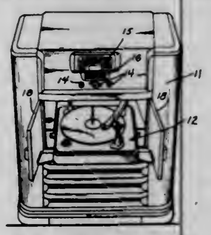


on the belt as the belt travels between the pulleys.

2,300,286
ELECTRICAL CONTACT
Childress B. Gwyn, Jr., Bannockburn, Ill., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill., a corporation of New York
No Drawing. Application May 8, 1941, Serial No. 392,487
6 Claims. (Cl. 200—166)

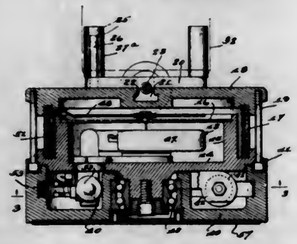
1. In combination a co-operating pair of electric make-and-break contacts, one contact being formed of an alloy rich in at least one noble metal and the other contact being made up of a wear-resistant constituent selected from the sixth group of the periodic system and a conductive constituent of the class consisting of silver, copper and alloys predominating in these metals.

2,300,287
RADIO PHONOGRAPH CARRIAGE AND CABINET
John Huarisa, Chicago, Ill., assignor, by mesne assignments, to Advance Engineering Company, Chicago, Ill., a copartnership consisting of L. C. Park, Kenneth Turner, John Huarisa, and J. H. Clippinger
Application October 25, 1940, Serial No. 362,724
9 Claims. (Cl. 179—100.12)



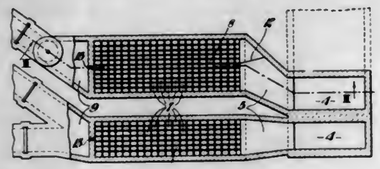
1. In a combination radio phonograph unit, a cabinet having at least one door in the front wall thereof, radio receiving and amplifying means in the upper portion of the cabinet, phonograph reproducing means below said radio means and substantially opposite said door, a carriage upon which said phonograph means is mounted, track means mounted in said cabinet, said carriage being slidably supported and carried in said track means, said carriage having a portion with a slot therein disposed at an angle to the direction of sliding movement of said carriage, and a rearwardly projecting arm on said door, said arm having a roller element disposed to ride in said slot, whereby when said door is opened said carriage is partially withdrawn from said cabinet to place said phonograph means in an accessible position.

2,300,288
TORQUE MEASURING MACHINE
William B. Hullhorst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application April 20, 1940, Serial No. 330,736
7 Claims. (Cl. 265—25)



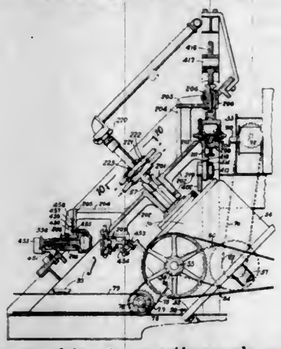
1. A torque measuring apparatus comprising a relatively stationary member forming a base, a rotatable hollow cylindrical member mounted thereon with its axis vertical and rotatable relative to said base about said axis, means on said rotatable member for gripping a work-piece, a hydraulic pressure gauge housed in said rotatable member, hydraulic bellows housed within said stationary member and hydraulically connected to said gauge, and means for transmitting to said bellows rotative force applied to said rotatable member, said gauge including means responsive to the hydraulic pressure within said bellows to indicate the degree of said rotative force.

2,300,289
HEAT REGENERATOR
William J. Irwin, Wilkinsburg, Pa.
Application January 4, 1941, Serial No. 373,179
8 Claims. (Cl. 263—19)



1. A heat regenerator having a channel that extends longitudinally over its top and open thereto so as to distribute waste gas flow down through the same, the top of the said channel being arched over its regenerator so as to rise and fall transversely of the said channel, the top of the said regenerator having an appreciable upward slope in the direction away from its end where the waste gases enter, the transverse sectional area of the said channel decreasing and the regenerator depth increasing in the same direction, the said regenerator top being heaped transversely of the said channel so that the heaping extends up into the arching of the channel in the said direction.

2,300,290
MOLDING MACHINE
Charles R. Johnson, Glen Mills, Pa., and Stanley L. Handforth and Royal E. Smith, Wilmington, Del., assignors to Remington Arms Company, Inc., a corporation of Delaware
Application August 25, 1939, Serial No. 291,886
19 Claims. (Cl. 18—20)



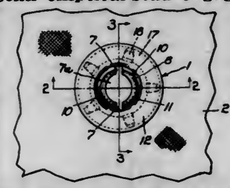
14. In a machine for continuously molding articles from plastic material: a rotating carrier with an outside face having the configuration of a truncated cone; a series of two-part molds located on said outside face; means carried by each mold to move the parts thereof relative to each other; stationary cams cooperating with the moving means to open the mold parts upon rotation of the carrier, the axis of said carrier being inclined so that the molding surfaces of the mold parts are substantially horizontal at one point of rotation of the carrier and substantially vertical at another point of rotation of the carrier; means for feeding the plastic material into one part while its molding surface is in a substantially horizontal position, the cams being effective upon further rotation of the carrier to engage the moving means to close the mold parts after the plastic material has been fed thereto, and thereafter to open the mold parts after further rotation of the carrier; and means to eject the articles from the mold parts when the molding surfaces are substantially in a vertical position.

2,300,291
PETROLEUM PRODUCTS
Samuel Edward Jolly, Prospect Park, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application September 20, 1940, Serial No. 357,661
27 Claims. (Cl. 252—51)

1. A new composition of matter derived from acids of the group having the empirical formula $C_nH_{2n-x}O_2$ in which n is from about 13 to about 30 and x is an even number from 4 to 10 and in which the carboxyl group COOH is replaced by the nitrile group CN and to which has been added a halogen.

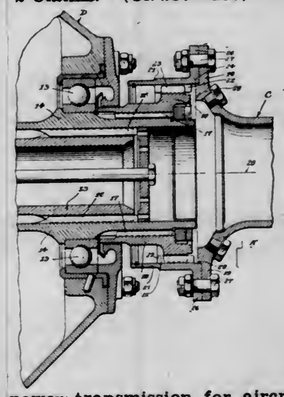
2,300,292
SNAP FASTENER MEMBER
Walter I. Jones, Belmont, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application April 30, 1940, Serial No. 332,467
1 Claim. (Cl. 24—216)

In a laundry-proof snap fastener installation of the type including a socket member adapted for snap fastener engagement with a circular stud member, which socket member is attachable to a sheet of supporting material by means of a pronged attaching ring insertable through the material into engagement with the socket; said socket member comprising a single piece of sheet metal shaped to provide a single thickness metal wall inturned along its free inner end and presenting a substantially elliptical stud-receiving bore for the reception of said circular stud, said inturned end and wall being formed with relatively wide slots as compared to the thickness of the metal of the wall, along the major axis of said elliptical bore, dividing said bore into a pair of opposed semi-elliptical stud-engaging portions,



a pair of semi-circular breasts of arcuate cross section disposed along the outer edge of said wall, a retaining ring of U-shaped cross section extending from the outer margin of the breast and disposed radially beyond the socket and adapted to receive and clench the prongs of the attaching ring passed through the sheet of supporting material, the semi-elliptical wall portions of said socket being continuous throughout their length presenting relatively stiff stud-engaging portions for engagement with the circular stud throughout limited regions thereof intermediate the ends thereof affording a highly springy snap fastener action between the stud and elliptical socket while providing stud-engaging portions of sturdy construction against axial collapse thereof.

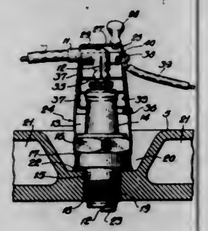
2,300,293
SHAFTING
James W. Kinnucan, Detroit, Mich., assignor, by mesne assignments, to Continental Aviation and Engineering Corporation, a corporation of Virginia
Application March 20, 1940, Serial No. 324,991
2 Claims. (Cl. 287—130)



1. In a power transmission for aircraft propulsion systems and the like, having a pair of shafts positioned in axial alinement with their adjoining ends closely adjacent and so mounted as to normally preclude longitudinal movement of either, whereby they may be disassembled

and reassembled only through transverse movement of one relative to the other, a power transmitting coupling for detachably connecting said adjoining shaft ends, comprising a torque-transmitting member carried by the end portion of one of said shafts and having an end face axially spaced from the end face of the shaft by which it is carried; and a sleeve surrounding said shaft end portion and torque-transmitting member and detachably secured to the adjoining end portion of the other shaft, said sleeve having companion torque-transmitting means longitudinally slidably engageable with the first mentioned member, whereby upon disengagement of the sleeve from the shaft end to which it is secured it may be slid longitudinally upon the torque-transmitting member so that the end face thereof is substantially aligned with the end face of the aforesaid torque-transmitting member to provide for said transverse movement of one of the shafts relative to the other for disassembly and reassembly.

2,300,294
SPARK PLUG DRIER
Vincent Iavarone, Bronx, N. Y.
Application May 31, 1941, Serial No. 395,991
4 Claims. (Cl. 219—19)



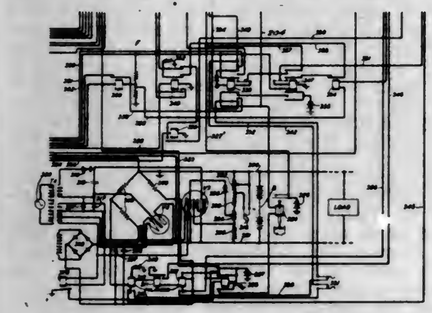
1. A spark plug drier comprising a hollow single thin walled body adapted to be removably positioned over an exposed portion of an installed spark plug, said body having a narrow slot in its side and top, a dielectric hand knob fixed in the top, an electric heater enclosed by said body, yieldable fingers on said body for detachably engaging a metal part of the spark plug, and means to connect said heater in an electric circuit.

2,300,295
ELECTRODE HOLDER
Honel A. Jackson, Detroit, Mich.
Application February 27, 1941, Serial No. 380,903
10 Claims. (Cl. 219—8)



6. An electrode holder comprising, in combination, a pair of members assembled together in generally parallel side by side relation and provided on one of their ends with jaws for gripping an electrode therebetween, said members being channel shaped in cross section throughout the major portions of their lengths and arranged with the channels thereof facing toward one another and the side walls of the channels in line with one another, a hollow open ended substantially cylindrical case of insulating material enclosing the end sections of said members opposite the jaws, one of said members provided inside the case intermediate its length with a U-shaped bend projecting toward the other member and forming a saddle-like depression on the opposite side thereof, the side walls forming the channel at said U-shaped bend bearing on the side walls of the channel of the other member and by virtue of the U-shape of said bend forming a rocking fulcrum, said other member provided inside the case opposite said U-shaped bend with opposite side portions which project around the opposite sides of said U-shaped bend to points in line with one another above said saddle-like depression, a pin extending across said saddle-like depression and connected to said side portions to thereby hold the members against longitudinal displacement with respect to one another but permitting rocking of one with respect to the other, and spring means inside said case between said members yieldingly urging the inside sections of the members away from one another.

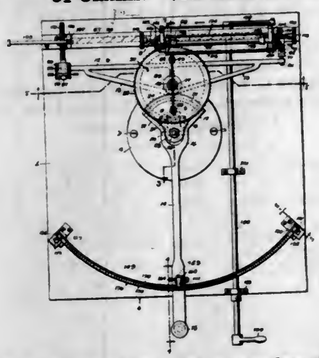
2,300,296
POWER PLANT
Harvey T. Langabeer, Baldwin, N. Y., and David E. Trucksess, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 3, 1940, Serial No. 333,072
21 Claims. (Cl. 171—314)



1. In a system of distribution, the combination of alternating current supply mains, a variable direct current load having a storage battery associated therewith, a plurality of rectifiers, means for regulating the output of said rectifiers in accordance with variations in the voltage of said battery, and means including a relay controlled by said regulating means for causing said rectifiers to be connected to said mains and to said load in a definite order in accordance with load increases, and to be disconnected from said mains and said load in the reverse order as the load decreases.

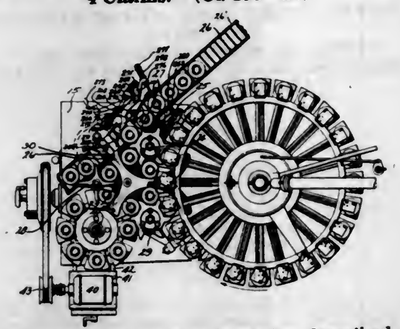
5. In a system of distribution, the combination of alternating current supply mains, a variable direct current load having a storage battery associated therewith, a rectifier connected between said mains and said load, a current responsive device for said rectifier operating in response to a rectifier output of predetermined value, a second rectifier, a voltage regulating circuit, means controlled by said voltage regulating circuit and operating in response to a variation in the voltage of said battery of predetermined value, and means responsive to the conjoint operation of said current responsive means and the regulating circuit controlled means for connecting said second rectifier between said mains and said load.

2,300,297
MATRIX MAKING MACHINE
Edward C. Lampson, Jefferson, Ohio
Application January 31, 1940, Serial No. 316,661
31 Claims. (Cl. 197—6.4)



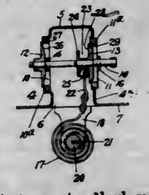
1. A machine of the character described comprising a carriage which is adapted to carry a mat, a type element having type faces subject to registration with a printing point confronting said mat, selecting means with which to actuate the type element and so bring a selected type face into position at said point, means to then move the carriage in one direction to correspondingly move the mat past said printing point, means backing the mat and providing frictional engagement thereof with the selected type face and means establishing a yielding action in the type element in agreement with the carriage movement so that the selected type face will momentarily follow the carriage and thus produce the imprint without blurring.

2,300,298
ARTICLE HANDLING MECHANISM
Adolph J. Lippold, Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware
Application January 3, 1938, Serial No. 182,992, which is a division of application Serial No. 7,742, February 23, 1935. Divided and this application November 4, 1940, Serial No. 364,145
4 Claims. (Cl. 198—22)



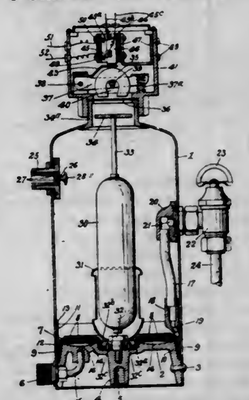
1. In a device of the character described, the combination with a uni-directional conveyor, of a work guiding throat for guiding containers into a rotary conveying element from said conveyor comprising a plurality of spring-biased, individually yieldable elements, said elements being so disposed with respect to the endless conveyor that containers carried thereby may pass through the throat formed by said elements and cause said individual elements to yield, means pivotally mounting each of said elements, and means for simultaneously adjusting the several elements in directions to enlarge or diminish the path traversed by the work past said elements.

2,300,299
THERMOSTAT CONTROLLED VALVE
James K. Lund, Oak Park, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application July 26, 1937, Serial No. 155,676
4 Claims. (Cl. 236—34)



1. A thermostat controlled valve comprising a casing closed at the top and having an inlet opening at the bottom and two outlet openings extending through the sides of the casing to the exterior thereof and through which liquid passes in opposite directions to the exterior of the casing and valve members controlling said outlet openings and connected together, a thermostatic device connected with said valve members so as to move them when the temperature reaches a predetermined point, said casing provided with a removable valve seat surrounding one of said outlet openings, whereby said valve seat may be removed and replaced by a valve seat having an outlet of a different diameter, for adjusting the size of the opening relatively to adapt it for engines having different pressures in the cooling systems.

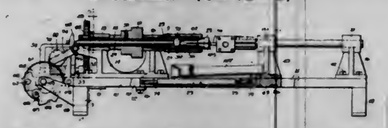
2,300,300
CARBONATING DEVICE
James K. Lund, Oak Park, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application March 16, 1939, Serial No. 262,197
3 Claims. (Cl. 261—26)



2. A carbonating device comprising a receptacle, a gas inlet therefor, means for discharging liquid into the receptacle, a liquid inlet therefor, a movable magnet outside of the receptacle for controlling an electric circuit which controls the

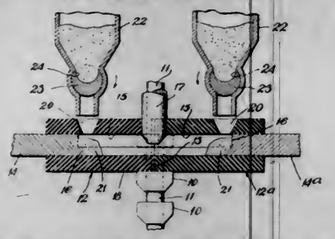
means for discharging liquid into the receptacle, and a magnetic member inside the receptacle, but always out of contact with said magnet, which actuates the magnet when the liquid level reaches a predetermined point, to cause it to break the circuit and shut off the discharge of liquid into the receptacle.

2,300,301
BUTTON MAKING MACHINE
Albert V. Marsik, Jackson Heights, N. Y.
Application January 22, 1941, Serial No. 375,374
2 Claims. (Cl. 79—6)



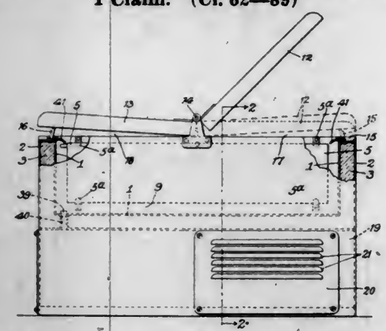
1. In a button making machine, a reciprocatory tool holder, a hollow chuck spindle, a chuck operating rod extending through said spindle having axial movement as well as rotary movement, and mechanism operated by said spindle upon the rotation of the latter to reciprocate the tool holder and to cause the axial movement of said rod, said mechanism comprising a crank, gearing operated by the spindle, said crank being connected with and operated by said gearing, a pitman connected with said crank, a slide connected with said tool holder and pitman, a cam on said crank rotatable therewith, and a lever acted on by said cam and bearing on one end of said rod.

2,300,302
APPARATUS FOR FORMING CASTINGS FROM POWDERED METALS
Louis H. Morin, Bronx, N. Y., assignor, by mesne assignments, of one-half to said Louis H. Morin and one-half to Davis Marinsky, Bronx, N. Y.
Original application June 4, 1940, Serial No. 338,672. Divided and this application April 14, 1941, Serial No. 388,403
14 Claims. (Cl. 29—1)



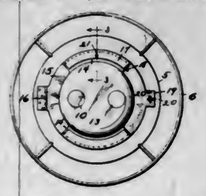
1. In an apparatus for forming powdered metal castings, a pair of molds movable toward and from each other, said molds having registering chambers forming part of a mold cavity at the parting line of said molds, a core arranged on the parting line of the molds and extending into the cavity, said core being movable along the parting line of molds at right angles to the direction of movement of the molds towards and from each other, a plunger die slidably mounted in the chamber of each mold, said dies being movable toward and from each other, opposed surfaces of the dies forming the remainder of the mold cavity, means for delivering measured quantities of powdered metal into the chamber of each mold forwardly of the plunger die when in retracted position, means moving said plunger dies toward each other into position defining the resulting mold cavity within said molds, and means supporting the molds in firm engagement with each other to form a homogeneous casting of said powdered metal on said core and of predetermined contour.

2,300,303
BOTTLE COOLER
Willard L. Morrison, Lake Forest, Ill.
Application December 23, 1939, Serial No. 310,812
1 Claim. (Cl. 62—89)



A bottle cooler comprising a heat insulated receptacle having a top and two separated evaporators having continuous imperforate side walls suspended in substantially vertical planes with a bottle receiving space between them open at the top, said evaporators spaced apart from the side walls and the bottom of the receptacle, so as to provide an air space between each of the evaporators and its associated side wall closed at the sides and open at the top and bottom and between the bottoms of the evaporators and the bottom of the receptacle, the air between the evaporators and their associated side walls being cooled and brought into the bottle receiving space by thermosyphonic action, the bottles being inserted and removed through the open top of the bottle receiving space between the evaporators, a door for said open top and means for holding said door partially open so that warm air may escape while it is being cooled.

2,300,304
COLORED GLOBE SUPPORT FOR ELECTRIC LANTERNS
William M. Moxley, Kansas City, Mo.
Application June 23, 1941, Serial No. 399,347
2 Claims. (Cl. 240—10.63)



1. In a removable dome for lanterns, the combination with a dome-like body of transparent or translucent material having laterally extending segmental flanges formed thereon, of a carrier ring for said body having arcuate segmental flanges adapted to overlie the flanges of the dome and to retain the same, the spaces between the flanges of the ring permitting the entry therebetween of the flanges of the dome, so that the flanges of the dome may be engaged beneath

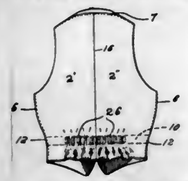
the flanges of the ring by turning movement of the dome with respect to the ring and means for securing said ring to an electric lantern body in a position to overlie and house the bulbs of said lantern, means carried by the lantern body and projecting toward the ring and dome, said means being adapted to engage both the ring and the dome in the closed movement of the dome, to thereby prevent movement of the dome with relation to the ring as long as the dome is in closed position.

2,300,305
ARTIFICIAL TOOTH
Simon Myerson, Brookline, Mass.
Original application March 15, 1940, Serial No. 324,127. Divided and this application September 27, 1941, Serial No. 412,574
11 Claims. (Cl. 32—8)



7. An artificial tooth comprising a body portion of relatively opaque material and constituting the major part of the tooth, and an incisal portion of a relatively transparent enamel, the lower part of the body portion tapering downwardly, at least in front-to-rear section, and the incisal portion terminating at the incisal edge, characterized in that the incisal portion is substantially sagittate in vertical front-to-rear section, having upper labial and lingual cusps, the incisal portion extending below the lower end of the body portion to a distance substantially exceeding the maximum front-to-rear thickness of its labial cusp, whereby when the tooth is viewed against the background of the oral cavity its incisal portion appears of gradually increasing darkness toward its incisal edge.

2,300,306
MAN'S VEST
Henry M. Nagel, Baltimore, Md.
Application January 3, 1940, Serial No. 312,290
1 Claim. (Cl. 2—102)

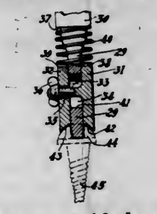


In a man's vest having a back section and a front section, the back section being formed from an outer member and an inner lining member, a band of stretchable material interposed between the inner and outer members of the back section, the ends of said band being anchored to the sides of the vest, said band of stretchable material being shorter than the width of the back section when the back section is extended to a flat condition, stitching extending through the inner and outer members of the back section and the stretchable member and stitched when the stretchable member is extended and adapted to gather both the inner and outer back members adjacent and on both sides of the vertical center of the back member when allowed to contract whereby gathers are formed in both of the back members whereby the vest will conform to the waist of the wearer.

2,300,307
PHENOLATED GUM ACCROIDES AND METHODS OF MAKING SAME
Emil E. Novotny, Oak Lane, and George Karl Vogelsang, Frankford, Pa., assignors to Durite Plastics, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application Noember 5, 1938, Serial No. 239,183
6 Claims. (Cl. 260—97)

1. The method of phenolating gum accroides, which comprises the steps of refluxing a mixture consisting of gum accroides and an excess of phenol, C_6H_5OH, and then distilling off the excess phenol and water of reaction, the maximum residuum temperature during the distillation step being above the boiling point of the phenol and below 700° F.

2,300,308
SCREW DRIVER
Edmond Ojalvo, New York, N. Y.
Application January 13, 1941, Serial No. 374,199
1 Claim. (Cl. 145—50)



In a screwdriver, a blade member, an abutment member mounted upon the forward portion of the blade member and normally freely movable longitudinally with respect thereto, a longitudinally disposed aperture in said blade member, an outwardly directed shoulder in the rear portion of the blade member, a spring surrounding said blade member and located in abutment with said shoulder and the rear portion of said abutment member for urging said abutment member forwardly, screw means for securing said abutment member to the blade member at a predetermined point therealong, said screw means containing a shank portion engaging said abutment member and extending transversely through said aperture, the sliding movement of said abutment member and said screw means being limited by the front and rear walls of said aperture, the front portion of said abutment member being disposed rearwardly from the forward end of the blade and being shaped for abuting engagement with the head of a coacting screw.

2,300,309
CONTACT MEMBER
Arthur C. Peters, Chicago, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application October 17, 1940, Serial No. 361,561
1 Claim. (Cl. 173—328)

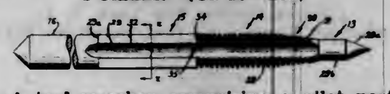
An electrical contact of the class described comprising a base formed with a prong-receiving opening and a surrounding lip providing a prong-receiving and engaging sleeve, a plurality of spaced spring arms extending angularly from said

base on opposite sides of said sleeve and embracing said sleeve between them, the end portions of said arms being inwardly curved to provide substantially rigid loop portions the ends of which terminate in engagement with said arms and adjacent said sleeve, the opposite inner faces



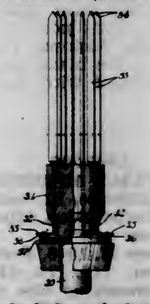
of said curved loop portions presenting concavo-convexed cam surfaces adjacent said sleeve for engaging the prong member under tension of said spring arms for effecting an electrical connection between said prong and the sleeve and curved loop portions of the contact.

2,300,310
TOOL
Lawrence Poeton, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application August 23, 1940, Serial No. 353,981
4 Claims. (Cl. 10—141)



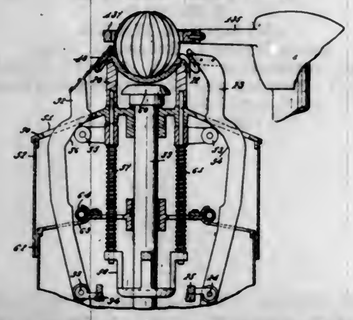
1. A tool member comprising a pilot portion having substantially parallel sides, a substantially conical portion adjacent one end of the pilot member to act as a guide therefor, said pilot and conical portions each having continuous uninterrupted surfaces, a lead-in portion having inclined sides with cutting edges thereon, said lead-in portion being contiguous with the opposing end of the pilot portion of the tool, a thread processing portion adjacent the lead-in portion, said thread processing portion comprising a plurality of helically arranged thread forming convolutions, and an integral portion adjacent the thread processing portions of a maximum diameter substantially equivalent to that of the maximum diameter of the thread processing portion.

2,300,311
HOLDING FORK FOR CITRUS FRUITS
Ralph Polk, Sr., Miami, and Ralph Polk, Jr., Haines City, Fla., assignors to The Polk Development Company, Tampa, Fla., a copartnership of Florida
Application June 7, 1939, Serial No. 277,848
4 Claims. (Cl. 146—3)



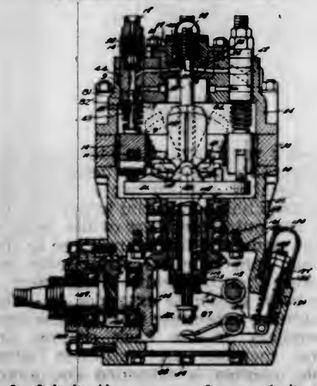
1. A holding fork for whole peeled citrus fruits comprising, two concentric circular series of parallel circumferentially spaced tines anchored in a suitable holder with their free ends all pointed in the same direction, one series of tines being radially spaced and angularly adjustable relative to the other series.

2,300,312
FRUIT PEELER
Ralph Polk, Sr., Miami, Fla., assignor to The Polk Development Company, Tampa, Fla., a copartnership of Florida
Application February 2, 1940, Serial No. 316,905
11 Claims. (Cl. 146—3)



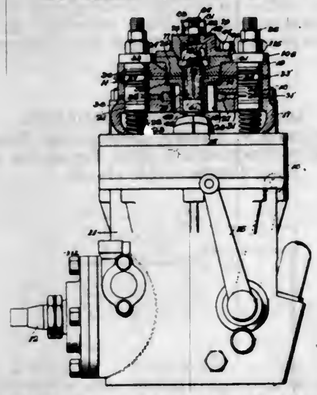
1. In mechanism for peeling citrus fruits, a cup comprising a ring, adapted to receive an unpeeled fruit, and a bottom, one axially movable relative to the other, a circumferential series of slitting knives arranged to engage the skin of the upper zone of a fruit in said cup, a circumferential series of rakers arranged to engage the upper zone of skin of a fruit within the cup between said knives, means by which said rakers and knives may be caused to traverse the upper zone of such fruit in contact with said skin and toward said cup, means by which the ring and cup bottom may be relatively moved axially to separate the fruit body from the lower skin zone, and means for holding the fruit skin during said relative movement.

2,300,313
FUEL INJECTION PUMP FOR INTERNAL COMBUSTION ENGINES
Byron R. Pool, Mount Carmel, Ill., assignor to Theodore K. Coleman, Mount Carmel, Ill.
Application July 26, 1938, Serial No. 221,405
6 Claims. (Cl. 103—173)



6. A fuel injection pump for an internal combustion engine comprising a plurality of individual fuel injection units, means to supply fuel to each of said units leading from a fuel supply chamber, means connected to said units to discharge fuel therefrom, and means separate from said fuel supply means connected to each of said fuel injection units to determine the quantity of fuel delivered from said fuel discharge means comprising a conduit, and a rotary valve in said conduit, said valve being adjustable to vary the period of closure of said conduit during a complete cycle of said pump for each of said fuel injection units, and adjustable stops to limit the movement of said valve member for both maximum and minimum fuel delivery.

2,300,314
FUEL PUMP
Byron R. Pool, Harrisburg, Ill., assignor of one-half to Theodore Coleman, Mount Carmel, Ill.
Application January 15, 1940, Serial No. 313,961
13 Claims. (Cl. 251—101)



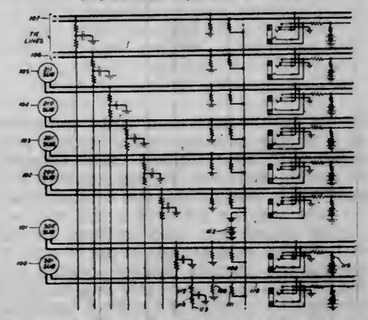
1. A valve for use with a fuel pumping and distributing unit comprising a valve cage having a valve seat therein and a series of passages leading from said valve seat, an expansible resilient rotary valve in said seat having a section of less diameter than said seat, a lug on said valve section to engage the openings of said passages and control fluid flow therethrough, and a second lug on said valve section diametrically opposite said first lug to maintain said first lug in sealing relation with said passages.

2,300,315
OSCILLATION GENERATOR CIRCUIT
Werner Puhlmann, Berlin, Germany
Application November 8, 1941, Serial No. 418,283
In Germany August 17, 1940
4 Claims. (Cl. 250—36)



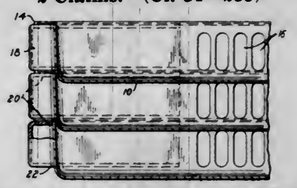
1. An arrangement for generating ultra-high frequency oscillations comprising a thermionic valve oscillator having at least a cathode, a control grid and an anode, an oscillatory circuit in the shape of a concentric conductor system having a center conductor connected to said grid and an outer conducting sheath contacting said anode, and a shielding cup member one quarter wave-length long in a position concentric about said outer conducting sheath and having its open end electrically connected for high frequencies to said cathode and its bottom operatively connected for high frequencies with said outer conducting sheath.

2,300,316
PRIVATE BRANCH EXCHANGE SYSTEM
Ralph Raymond, deceased, late of Nyack, N. Y., by Phyllis Raymond, administratrix, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 3, 1940, Serial No. 350,964
16 Claims. (Cl. 179—18)



1. In a telephone exchange system, a motor-driven selector switch having access to the terminals of a plurality of lines, each of said lines terminating in tip, ring and sleeve terminals in a bank of said switch, an electronic relay, means for rendering said relay conducting upon the seizure of said switch for use, means for operating the motor of said switch to advance the wipers of said switch over the terminals of said lines, means responsive to the engagement of the sleeve wiper of said switch with the sleeve terminals of successive lines to repeatedly render said relay non-conducting, and means controlled by said relay upon each engagement of the sleeve wiper with a sleeve terminal to momentarily stop said motor whereby the wipers of said switch are advanced step by step over the terminals of said lines.

2,300,317
DRYING TRAY
Robert P. Scherer, Detroit, Mich.
Application November 8, 1939, Serial No. 303,443
2 Claims. (Cl. 34—238)



1. A tray of the character described having a bottom formed of thin sheet metal bent upwardly and outwardly to form a side wall, said side wall provided with an outwardly rolled upper margin, a sheet metal corner support embracing each corner of the side wall and secured thereto below said outwardly rolled upper margin and having a marginal flange seated against the side wall spacing the corner support outwardly beyond the side wall, said corner support terminating spaced slightly above the tray bottom and at the top engaging the outwardly rolled margin of the side wall, said side wall hav-

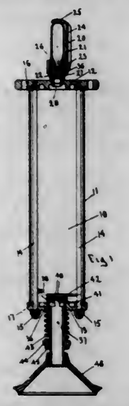
ing air circulation perforations therein between said corner supports and spaced above the tray bottom.

2,300,318
OPHTHALMIC MOUNTING
Elmer L. Schumacher, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application November 30, 1939, Serial No. 306,915
6 Claims. (Cl. 88—53)



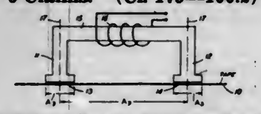
4. In an ophthalmic mounting, the combination of a temple support and a temple pivotally connected with said support, said support and temple having adjacent curved bearing surfaces of substantially similar contour configuration and both of said bearing surfaces being spaced from the pivotal connection, and resilient means anchored between said temple support and temple and having the portion thereof located between said bearing surfaces normally substantially flat and adapted to assume the curved configuration of said bearing surfaces when in an assembled position, whereby said portion maintains a biasing action between said bearing surfaces at different positions of adjustment of the temple relative to said temple support.

2,300,319
APPARATUS FOR CLEARING CLOGGED DRAINS
Roland L. Smith, Belmont, Mass., assignor to Scully Signal Co., Cambridge, Mass., a corporation of Massachusetts
Application November 5, 1940, Serial No. 364,399
4 Claims. (Cl. 4—255)



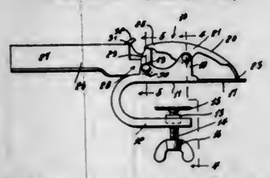
1. A device for clearing clogged drain pipes including in combination, a reservoir having an inlet and an outlet, a sealed container of compressed gas removably secured in the inlet, means for piercing the container to admit expanding gas to the reservoir, a closure to the outlet adapted to open when pressure is applied to the exterior of the reservoir in the direction axial with the outlet.

2,300,320
DEVICE FOR REPRODUCING TONE FREQUENCIES
Karl D. Swartzel, Jr., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 27, 1941, Serial No. 395,341
6 Claims. (Cl. 179—100.2)



1. A translating device for reproducing tone frequencies from a record member containing a record of the tone and its harmonics, comprising reproducing elements having axes spaced apart a distance substantially equal to an odd multiple of one-half the wave-length in the member of the tone frequency, each having a dimension substantially equal to an odd multiple of one-third of said wave-length in the direction in which the device is adapted to extend along the member.

2,300,321
ADJUSTABLE FISH HOLDER
Benjamin F. Swezey, Bellingham, Minn.
Application September 5, 1940, Serial No. 355,534
1 Claim. (Cl. 17—8)

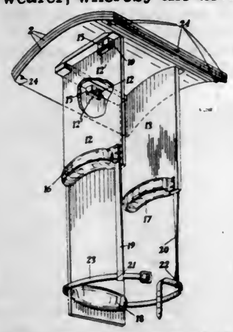


A fish holder comprising a fixed jaw having laterally spaced upstanding ears, a movable jaw having depending ears, intermediate of its ends, pivotally connected to the upstanding ears, said fixed jaw having a second pair of upstanding ears behind its first mentioned pair of ears, a handle pivotally connected to the last mentioned pair of ears, said handle having upwardly projecting cam portions at its forward end for engaging under the rear end of the pivoted jaw and arranged to move the forward end of the pivoted jaw downwardly and into engagement with the fixed jaw, when the handle member is swung downwardly, said handle having an upwardly opening notch adjacent its forward end, the pivoted jaw being provided with a slot in its rear end to receive the notched portion of the handle when the handle is swung upwardly, and a lug carried by the handle for engaging the upper side of the rear end of the pivoted jaw for moving said jaw to an open position when the handle is swung upwardly.

2,300,322
PROTECTIVE HEAD COVERING FOR USE IN AIR RAIDS AND THE LIKE
René Tampier, Cricklewood, London, England
Application May 26, 1941, Serial No. 395,199
In Great Britain June 12, 1940
7 Claims. (Cl. 2—3)

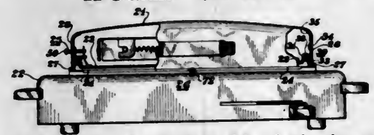
1. A protective head covering for use in air raids and the like comprising an arched shield of shock resisting material for covering the top of the head, two side plates connected respectively at opposite sides of the said shield, each of said plates having a width sufficient to cover the sides of the head, said side plates depending from said

arched shield, a pad fitted to the lower edge of each side plate and adapted to fit on to the shoulders of the wearer, whereby the device as a whole



is supported on the shoulders of the wearer and out of contact with the head, and means for harnessing the device to the body of the wearer.

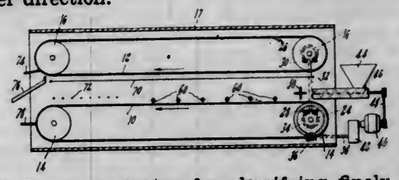
2,300,323
LATCHING MECHANISM
Austin F. Tams, Cleveland, Ohio, assignor to Dominion Electrical Manufacturing, Inc., a corporation of Ohio
Application January 31, 1941, Serial No. 376,825
11 Claims. (Cl. 53—5)



1. Mechanism for releasably fastening a removable grill plate in an opening of an appliance casing comprising, in combination, latch means mounted within the casing and making engagement between the plate and the casing to hold the plate in the casing, and manually operable releasing means extending from the inside of the casing to the outside thereof for releasing the said latch engagement and urging the plate out of the opening, said releasing means when manually operated forcibly engaging the plate for separating the latch engagement and urging the plate out of the casing, said releasing means being mounted on the casing and disconnected from the plate to readily facilitate the removal of the unlatched plate from the casing, said plate fitting relatively close in the opening of the appliance for preventing lateral relative movement therebetween to effect the latch engagement.

2,300,324
METHOD OF AND MECHANISM FOR CLASSIFYING FINELY COMMINUTED MATERIAL
Richard C. Thompson, Cohasset, Mass., assignor to Sturtevant Mill Company, Boston, Mass., a corporation of Massachusetts
Application April 27, 1940, Serial No. 332,019
14 Claims. (Cl. 209—127)

1. A method of classifying by size the particles of a particulate mass, which comprises deflocculating said mass while dry by discharging therethrough electric sparks capable of blasting it into a cloud of discrete particles, and subjecting the resulting discrete particles to a field of electric potential adapted to cause particles of relatively small size to move in one direction and particles of relatively large size to move in another direction.

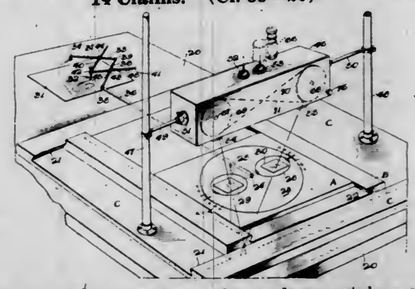


12. In an apparatus for classifying finely divided dry particles of matter according to size comprising, in combination, a positively charged electro-conducting surface, a grounded electro-conducting surface, said surfaces being substantially parallel with each other, a thin negatively charged screen positioned between said surfaces and including wires of small diameter, and means for delivering deflocculated particles to be classified into the weaker electro-static field maintained in the space between said grounded surface and said screen, whereby particles of different sizes are precipitated on said respective surfaces.

2,300,325
PROCESS OF IMPERMEABILIZING, TIGHTENING, OR CONSOLIDATING GROUNDS AND OTHER EARTHY AND STONY MASSES AND STRUCTURES
Gerrit Hendrik van Leeuwen, Amsterdam, Netherlands
No Drawing. Original application September 18, 1936, Serial No. 101,426. Divided and this application February 23, 1940, Serial No. 320,429. In the Netherlands October 7, 1935
3 Claims. (Cl. 61—36)

1. A process for improving the cohesion of and for impermeabilizing and consolidating, grounds and other earthy and stony masses and structures, comprising impregnating the masses with an oleophile colloid in the presence of a solvating agent adapted to swell said oleophile colloid, the oleophile colloid being surrounded during its introduction into the masses by an oleophobic substance.

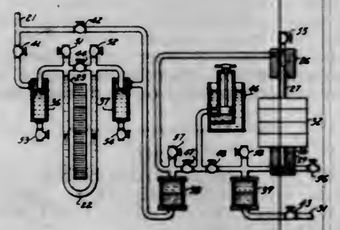
2,300,326
METHOD AND APPARATUS FOR MAKING MAPS FROM PHOTOGRAPHS
Seymour C. L. Wesleysmith, deceased, late of Washington, D. C., by May Doris Wesleysmith, executrix, Washington, D. C.
Application March 30, 1940, Serial No. 327,016
14 Claims. (Cl. 33—20)



2. An apparatus for making planometric maps of ground areas from aerial photographs comprising a frame, a table slidably mounted on said frame for movement along one axis, a second table slidably mounted on the first table upon an axis at right angles to the movement of the first

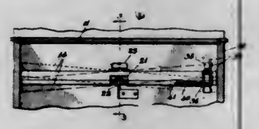
table, means mounted on the second table arranged to hold spacially displaced photographs, means for rotating said photographs about a central common axis, means for plotting in accordance with a stereoscopic image of the photographed areas, and a binocular stereoscope including reflecting means rotatably mounted on parallel axes and means for rotating said means in opposite directions about their respective axes and through the same respective angles of movement.

2,300,327
PRESSURE MEASURING INSTRUMENT
William M. White, Milwaukee, Wis.
Application June 12, 1939, Serial No. 278,639
7 Claims. (Cl. 73—31)



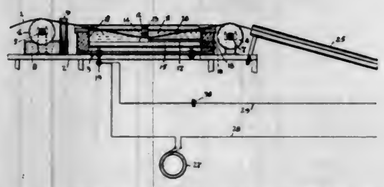
6. An instrument for measuring pressure differences between a source of variable higher fluid pressure and a source of variable lower fluid pressure and comprising a cylinder connected with said higher pressure source and having a piston movable therein, a U-tube filled with fluid and connected at one end thereof with said lower pressure source, a second cylinder having a piston movable therein and connected with the other end of said U-tube, said cylinders being in alinement and said pistons being interconnected, the movements of said pistons responsive to pressure differences being in opposition to each other, and removable weights acting on said pistons for partially balancing the pressure differences causing movements thereof, the fluid in said U-tube balancing the remaining unbalanced pressure acting on said pistons.

2,300,328
GAME
Irven H. Wilsey, Chicago, Ill.
Application September 13, 1940, Serial No. 356,584
10 Claims. (Cl. 273—110)



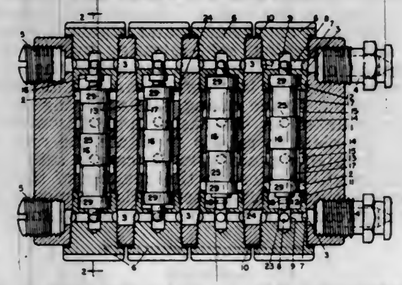
1. In a game of the type described, the combination of a casing having a game board tiltably mounted therein, a plunger type operating handle projecting from the casing to the exterior thereof, means supporting said handle on said casing for both longitudinal and rotational movement, means operable in response to the longitudinal movement of said handle for causing a game piece to traverse the surface of said game board, and means actuated in response to rotary movement of said handle for tilting said board.

2,300,329
METHOD OF HEAT TREATING STEEL WIRE AND APPARATUS THEREFOR
William H. Wood, South Euclid, and Oscar C. Trautman, Parma, Ohio
Application February 18, 1938, Serial No. 191,292
9 Claims. (Cl. 148—10)



1. In a method of heat treating steel, in the form of wire and the like, the steps of advancing such material longitudinally at a uniform speed into and through a contact pot containing an electrically conductive liquid and into and through a quenching bath of molten metal in spaced relation therewith; controlling the temperature of the quenching bath within a desired range; maintaining the material in such quench bath until it attains the temperature thereof; and passing through the section of advancing material, defined between the surface of such quench bath and the surface of the liquid in such contact pot, a current of electricity such as will heat the advancing material progressively to a desired maximum temperature as it enters such quenching bath, such current being supplied thereto through the medium of the molten metal of such quench bath and through the liquid of such contact pot.

2,300,330
LUBRICANT MEASURING VALVE
George H. Acker, Shaker Heights, Ohio, assignor to The Farval Corporation, Cleveland, Ohio, a corporation of Ohio
Application October 10, 1940, Serial No. 360,589
16 Claims. (Cl. 184—7)



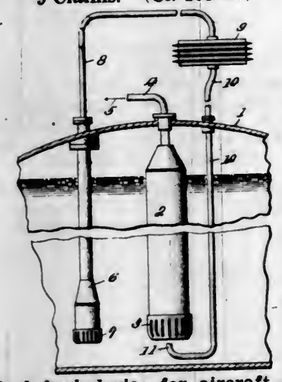
1. A lubricating measuring valve, comprising a valve chamber having each end connected to a lubricant pressure source for the alternate application of pressure, a discharge port located intermediate of the ends of said chamber, a sleeve valve movable and fitting within said chamber, ports through the wall of said sleeve valve in constant communication with said discharge port, and a piston valve movable and fitting within said sleeve valve both of said valves being movable upon such alternate pressure application, said sleeve and piston valves having clearance spaces between their longitudinally opposed surfaces and adjacent said ports in said sleeve valve, said clearance spaces communicating with said last-named ports.

2,300,331
SEALING OF SHAFTS
Rifat Avigdor, Geneva, Switzerland
Application October 17, 1938, Serial No. 235,526
In Germany July 16, 1938
5 Claims. (Cl. 286—26)



1. In a shaft seal the combination comprising a plurality of disc-shaped sealing members of yielding material, each of said members having a center hole and being thin in proportion to its diameter, the diameter of said hole being smaller than the diameter of the shaft while said member is flat, intermediate discs of stiff material for keeping the inner periphery regions of said yielding discs in an inclined position relative to the longitudinal axis of the shaft, said stiff discs being out of contact with said shaft, and a ring of yielding material located between adjacent sets of discs, each set comprising a yielding and a stiff disc, the interior diameter of said ring being larger than the diameter of the hole in the stiff disc.

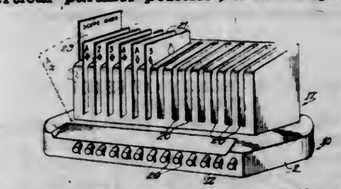
2,300,332
FUEL FEED DEVICE FOR AIRCRAFT
Rifat Avigdor, Toronto, Ontario, Canada
Original application February 13, 1939, Serial No. 256,157. Divided and this application April 28, 1941, Serial No. 390,817. In Germany September 2, 1938
9 Claims. (Cl. 103—5)



1. A fuel feed device for aircraft comprising a fuel tank, a cooler located outside the tank, a submersible motor feed pump unit in the tank for withdrawing fuel from said tank, an additional submersible pump unit in the tank for withdrawing fuel from said tank the feed conduit of which is connected to the cooler and a return conduit from the cooler to the inlet of the motor feed pump unit to return the cooled fuel to said pump unit.

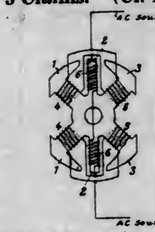
2,300,333
CARD HOLDER
Armand Barton, Chicago, Ill., assignor of one-half to Louis Vulcan, Chicago, Ill.
Application March 15, 1941, Serial No. 383,498
4 Claims. (Cl. 273—150)

2. A card holder including a body portion, a plurality of compartments in said body portion open at the top and adapted to hold cards in vertical parallel position, said compartments



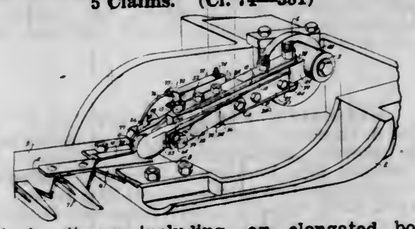
being of a depth slightly less than the width of the cards and having walls of slightly less height than the length of the cards, and means for ejecting said cards from said compartments.

2,300,334
ELECTROMAGNETIC ROTATING FIELD SYSTEM
Herbert Bergmann, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application August 10, 1940, Serial No. 352,155
In Germany September 2, 1939
5 Claims. (Cl. 172—36)



1. A rotating field system comprising a source of alternating current, a primary member energized by said source, said primary member comprising a core body and windings thereon, this body having two poles each composed of three elemental poles located beside one another so that each such composite pole comprises two outer elemental poles and a third pole between them, these outer poles having each an enlarged pole piece while the said third pole has none, said enlarged polepieces being tapered toward the third pole, a secondary member, polyphase windings on said secondary member, said primary and secondary members being relatively movable by currents flowing through said polyphase windings.

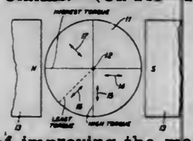
2,300,335
PITMAN
Frederick T. Bonebrake, Topeka, Kans., assignor of one-fourth to Charles H. Martin, and one-fourth to Fred P. Martin, both of Topeka, Kans.
Application April 25, 1941, Serial No. 390,329
5 Claims. (Cl. 74—581)



1. A pitman including, an elongated body member formed of rubber, straps embracing op-

posite sides of said member, and fastening devices extending through said straps and through the body member for securing the straps in embracing relation with said body member.

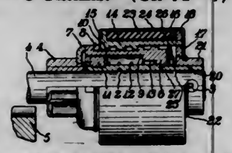
2,300,336
MAGNETIC ALLOY OF IRON AND ALUMINUM
Richard M. Bozorth, Short Hills, and Howell J. Williams, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 7, 1940, Serial No. 351,684
2 Claims. (Cl. 148—12)



1. Method of improving the magnetic properties at high flux densities and in one general direction of alloy containing 2 to 10 percent aluminum, balance essentially iron, which comprises rolling the alloy down to a lesser fraction of its thickness or cross-section with the direction of rolling being in the direction in which a magnetic field is to traverse the material in use and thereafter treating it at a temperature above 600° C., for a considerable time.

2. A magnetic alloy consisting essentially of iron with 2 to 10 per cent aluminum caused to have anisotropic grain structure and high anisotropic permeability along one coordinate axis of the material at high flux densities by forcible elongation while cold followed by heating to a temperature at or above 600° C. and below 1425° C.

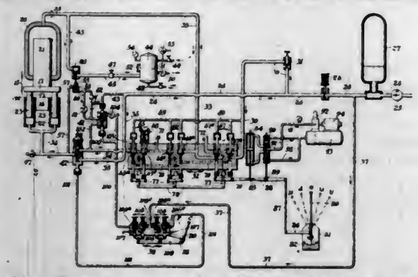
2,300,337
ENGINE STARTER GEARING
James E. Buxton, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 22, 1940, Serial No. 353,660
8 Claims. (Cl. 74—7)



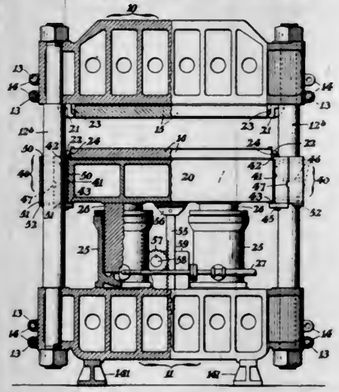
1. In an engine starter drive, a power shaft, a pinion slidably journalled thereon, a sleeve fixed to the shaft, a hollow screw shaft slidably journalled on the sleeve and rigidly connected to the pinion, stop means on the sleeve defining the operative position of the pinion and screw shaft, a flanged nut on the screw shaft, a flange member rigidly mounted on the sleeve, and elastically compressible transmission means interposed between said flanges.

2,300,338
HYDRAULIC PRESS AND THE LIKE
Louis A. Camerota, Burlington, N. J., and Clarence E. Powell, Philadelphia, Pa., assignors to Florence Pipe Foundry & Machine Company, Florence, N. J., a corporation of New Jersey
Application October 3, 1940, Serial No. 359,532
11 Claims. (Cl. 60—51)

1. In a press of the character described, the combination with a moving press head or platten and piston means for imparting to said head its working and return movements, and means for supplying working fluid under pressure for moving said head; of operating valve means for controlling the supply and venting of working fluid at a relatively low rate to and from said piston means for movement of said head in opposite directions, operating valve means for controlling the admission and venting of working fluid at a relatively high rate to and from said piston means for movement of said head in opposite directions, and other operating valve means for controlling the venting and admission of working fluid to and from said piston means in reverse correspondence with the admission and venting of working fluid by the aforesaid operating valve means; alternative means for admitting fluid to said piston means to urge said head in the direction of the movement produced by admission of fluid by the last-mentioned operating valve means; and means for either connecting said alternative means to said piston means and shutting off connection of said other operating valve means thereto, or vice-versa.

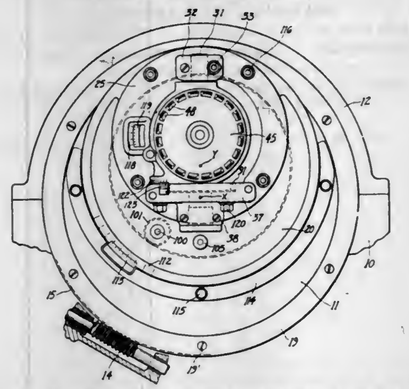


2,300,339
PRESS
Louis A. Camerota, Burlington, N. J., assignor to Florence Pipe Foundry & Machine Company, Florence, N. J., a corporation of New Jersey
Application April 4, 1941, Serial No. 386,830
6 Claims. (Cl. 18—17)



6. The combination with two spaced series of press tie-rods and a press follower extending lengthwise between said two series of tie-rods for coaction with a pressure-resisting structure held by said tie-rods; of guides attached to said follower at its opposite edges for abutting against and engaging around mid tie-rods of said series, to control the position of the mid-portion of said follower both lengthwise and transversely with respect to said tie-rods; other guides wholly exterior to the follower embracing tie-rods at opposite ends of both series, the last-mentioned guides having oppositely facing transverse shoulders engaged with corresponding longitudinal shoulders on the follower to prevent displacement of the guides relative to the follower lengthwise of their tie-rods, whereby they resist skewing of the follower in the transverse planes of corresponding tie-rods of the series, as well as in its own plane, while leaving the follower ends free for unlimited longitudinal movement relative to said last-mentioned tie-rods and guides when thermal changes in the length of the follower occur; and motion-equalizing means connected to the opposite ends of said follower for resisting skewing of the follower in a longitudinal plane parallel with said series of tie-rods.

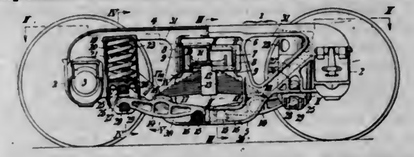
2,300,340
MACHINE FOR PRODUCING GEARS
Leonard O. Carlsen, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application June 1, 1940, Serial No. 338,357
6 Claims. (Cl. 90—5)



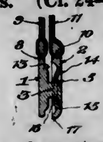
1. In a machine for producing gears, a frame, a cradle journaled in the frame, a carrier rotatably adjustable in the cradle about an axis parallel to but offset from the axis of the cradle, a swivel bracket rotatably adjustable in the carrier about an axis parallel to but offset from the axis of the carrier, a housing mounted in the swivel bracket for adjustment about an axis which is angularly disposed to the axis of adjustment of the swivel bracket, a cutter spindle journaled in the housing, means for rotating the cradle and means for rotating the cutter spindle.

2,300,341
SPRING SUSPENSION FOR CAR TRUCKS
Isaac M. Chambers, Narberth, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 4, 1941, Serial No. 413,586
8 Claims. (Cl. 105—197.1)

1. In a car truck, a side frame and a bolster; a leaf spring on which one end of the bolster rests; a lever fulcrumed on the side frame whereon one end of the leaf spring bears; an auxiliary coiled compression spring; a housing for the auxiliary spring jointly formed by a pair of relatively movable components which respectively constitute abutments for the opposite ends of said auxiliary spring, one such component being in the form of a piston and the other being in the form of a cup cylinder slidingly fitting over the piston component; means whereby the piston component is fulcrumed to rock about a transverse pivot axis on the side frame of the truck; and means whereby the cylinder component is pivotally connected at its open end to the swinging end of the lever adjacent the pivot of the piston component.

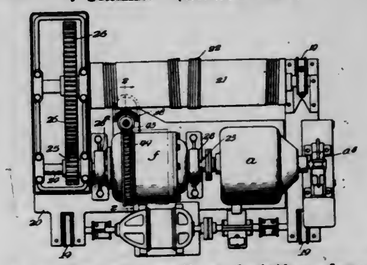


2,300,342
GARTER CLASP
Ralph G. Cheney, Tacoma, Wash., assignor to Plastal Specialties Company, a partnership
Application June 5, 1941, Serial No. 396,762
4 Claims. (Cl. 24—245)



4. A clasp of the character described, comprising a pair of cooperating clasp-members, said members being in the form of solid flat plates of substantially equal size, the front face of one member being provided with an integral stud having a continuous periphery, the outer end of the stud having an integral radial lip flush with said outer end and forming a head whose length is less than the width of either of the clasp-members, the back of said member being continuous from center to periphery and forming a continuous bearing for engagement against the limb of the wearer, the other clasp-member having an opening of a size to receive the stud and having a dimension less than the length of the head, and the outer face of said other clasp-member having a counter-sink surrounding the opening and receiving the head of the stud in the cooperative relation of the members, and said other clasp-member covering the front of the said stud member and having a smooth front face.

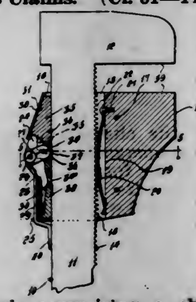
2,300,343
HOISTING MECHANISM
Murray G. Clay, Chicago, Ill.
Application January 24, 1941, Serial No. 375,819
7 Claims. (Cl. 254—173)



7. A combination with a hoisting drum and cable which is adapted to be coupled to varying

loads, of a gearing unit comprising an output shaft connected to drive the drum, an input shaft, helio-centric gearing between the shafts for driving the output shaft at low speeds, and a rotatable gear-case connected to drive the output shaft without substantial speed reduction, a variable speed electric motor connected to drive the input shaft and the output shaft and drum through the helio-centric gearing and of sufficient and suitable horse-power for hoisting heavy loads at suitable low speeds, a second electric motor, a worm and gear-drive between the second motor and the gear-case, said second motor being of substantially less horse-power than the other motor and suitable for lifting light loads at a higher speed than that used for heavy loads, torque responsive means for stopping the second motor when the load on the cable is excessive, and means for controlling the operation of the motors respectively for hoisting heavy and light loads on the cable.

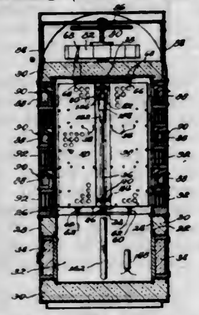
2,300,344
WRENCH
John P. Clegg, Pine Bluff, Ark.
Application May 1, 1941, Serial No. 391,417
3 Claims. (Cl. 81—149)



1. A wrench comprising a shank having a toothed edge and a head at one end thereof projecting from said edge and forming a stationary jaw, a movable jaw, a frame connected to said movable jaw and projecting from one edge thereof for slidably engaging said shank, said edge being provided with teeth for meshing with the teeth of said shank, spring means carried by the movable jaw for engaging the toothed edge of the shank for urging the movable jaw outwardly thereof for disengaging said teeth, a lever pivotally connected to said frame, means connected to said lever and disposed in the frame for movement transversely and longitudinally of the shank for moving the movable jaw toward the shank, said means comprising an arm projecting from the lever at an angle thereto and adjacent its pivoted end, blocks movably mounted in the frame for engaging the opposite edge of said shank, said blocks being pivotally connected in end to end relation to said arm at their adjacent ends, whereby the movement of the lever will cause the arm to move the blocks longitudinally of the shank and to move their adjacent ends toward and away from the shank, and cam means associated with the ends of the blocks and with said frame for moving the remote ends of the blocks toward the shank.

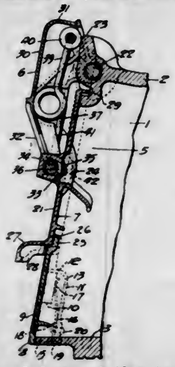
2,300,345
REFRIGERATING CABINET
Leonard F. Clerc, Chicago, Ill.
Application January 25, 1939, Serial No. 252,707
7 Claims. (Cl. 312—134)

1. In a refrigerating cabinet, the combination of a food compartment, a conveyor system within said cabinet, said conveyor system comprising a plurality of carriers, a plurality of doors in said cabinet for gaining access to said compartment,



motor operated means for advancing said carriers in a circuitous path behind said doors, and means operated by any one of said doors upon opening thereof to stop the travel of said carriers.

2,300,346
JOURNAL BOX ASSEMBLY
Glenn F. Couch, Rochester, N. Y., assignor to The Symington - Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application April 28, 1941, Serial No. 390,841
6 Claims. (Cl. 308—47)

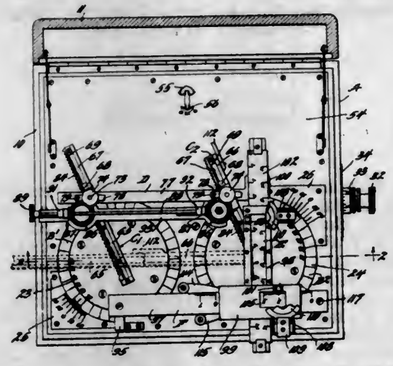


6. In a journal box of the type having connected top, side and bottom walls defining an access opening therebetween, the combination of means outstanding from said side walls, an auxiliary lid closing the lower portion of said access opening and being provided with means interlocked with said outstanding means, means associated with said auxiliary lid means and reacting against said first named means for maintaining said auxiliary lid in a predetermined position, and a lid pivotally connected to said top wall adapted to close the upper portion of said access opening and overlapping said auxiliary lid.

2,300,347
TRIGONOMETRICAL CALCULATING DEVICE
John T. Dalton, Durham, N. C.
Application December 29, 1941, Serial No. 424,821
19 Claims. (Cl. 33—98)

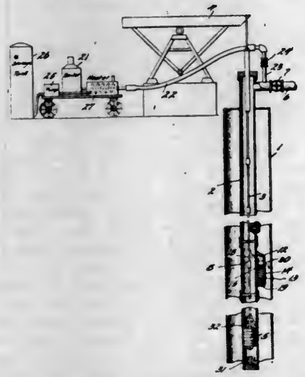
1. In a trigonometrical calculating device, a supporting structure, a pair of members mounted for rotation about spaced parallel axes on said structure, a radially directed arm carried by each

member, means for synchronously rocking said members and arms through equal angular displacements, comprising a shaft and gear means for causing a predetermined angular displace-



ment thereof to be reflected as proportional angular displacements of said members, and means associated with said arms for indicating the sine and cosine of the angle through which the latter are rocked.

2,300,348
METHOD FOR CLEANING OIL WELLS
Frank E. Dana, Kilgore, Tex.
Application April 21, 1941, Serial No. 389,639
4 Claims. (Cl. 166—23)



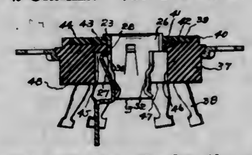
1. In an oil well, the method of treating the tubing thereof to remove deposits of paraffin therefrom which comprises, introducing a deparaffining fluid through the top of the tubing to form a progressively increasing, downwardly moving fluid piston upon the oil in the tubing, until there is formed in the tubing a column of deparaffining fluid in contact with the tubing surface and of a length at least substantially equal to the depth of normal paraffin deposits in said tubing, simultaneously discharging oil from the tubing at a point substantially lower than the lower limit of said paraffin deposits but substantially above the bottom of the tubing, discontinuing the introduction of the deparaffining fluid and maintaining the fluid in the tubing until the accumulated paraffin has become displaced from the tubing wall into the fluid column, and thereupon discharging the fluid column through the top of the tubing.

2,300,349
FASTENER AND FASTENER INSTALLATION
Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application August 15, 1939, Serial No. 290,191
2 Claims. (Cl. 24—73)



1. A fastener member for securing an apertured part to an apertured supporting structure, said fastener member comprising a strip of metal bent intermediate its free ends to form a bowed shank portion for fastener engagement with said supporting structure through said aperture, outwardly extending reverse-bend portions adjacent said shank and intermediate said shank and said free ends, said reverse-bend portions being adapted to engage said apertured part, and said free ends being abuttable extending from adjacent said reverse-bend portions away from said shank in substantially parallel relation to each other and to the axis of said shank.

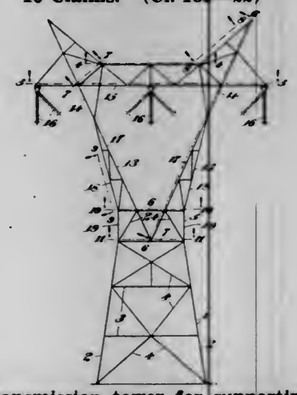
2,300,350
SOCKET AND SOCKET INSTALLATION
Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 12, 1939, Serial No. 308,803
2 Claims. (Cl. 173—328)



1. In a socket receptacle for the reception of a plug-in device having contact prongs and a guide prong of non-circular cross-section formed with an annular groove near its outer end, in combination with a centrally apertured insulating member thereof; of a snap-in contact key for snap fastening engagement with the insulating member through the aperture thereof, said key comprising an open ended tubular sheet metal sleeve formed with laterally extending flange means at one end overlying a portion of the insulating member and limiting movement of the key in one direction through the aperture thereof, said sleeve having a longitudinal slot in one side thereof providing widely spaced edges throughout the length thereof, laterally extending arcuate ears extending from said edges on the upper portion of the sleeve and combining with the sleeve opening to conform to the non-circular cross-section of the guide prong, a plurality of spaced outwardly bowed resilient fingers forming an enclosed loop with the side of the sleeve and each having a relatively long cam face extending lengthwise of the sleeve and a relatively short shoulder disposed transversely of the sleeve for engaging a face of said insulating material as the key is snapped into the aperture of the insulating member to hold said key in secure assembly therewith, and a plurality of pairs of diametrically opposed inwardly bowed fingers extending inwardly of said sleeve at the lower end thereof and engaging the groove

in the plug guide prong, one finger of each pair being formed from metal between a marginal edge of the slot in the sleeve and a slit spaced therefrom.

2,300,351
TRANSMISSION TOWER STRUCTURE
Robert S. A. Dougherty and Clark L. White, Bethlehem, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application January 25, 1938, Serial No. 186,782
Renewed March 19, 1940
16 Claims. (Cl. 189—22)

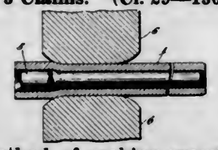


1. A transmission tower for supporting wires comprising a lower portion of truncated pyramidal formation having corner legs, a waist at the top of the said lower portion having top and bottom chords connected by diagonal braces, upwardly tapering outwardly diverging tower arms extending above each side of the waist, a cross-arm supported by the tower arms, said tower arms having inner corner rails connected by shear bracing forming the interior face of each of the upwardly tapering outwardly diverging tower arms, said inner corner rails extending in a straight line from the transverse central portion of the bottom chords of the waist between the corner legs of the lower portion to the cross-arm for transmitting the major portion of the longitudinal forces received by the cross-arm from the wires in a straight line down to the said transverse central portion of the bottom chords of the waist.

2,300,352
FLEXIBLE CEMENT
Roland D. Earle, Cohasset, Mass.
No Drawing. Application February 14, 1940, Serial No. 318,843
2 Claims. (Cl. 260—5)

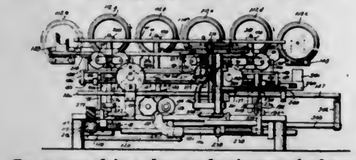
1. A cement in the form of a dispersion in which the continuous phase or dispersion medium is polymerized chloroprene dissolved in an aromatic solvent therefor in the proportion of approximately 1½ pounds of polymerized chloroprene to one gallon of aromatic solvent, and the dispersed phase comprises microscopic droplets of rubber dissolved in a petroleum distillate which is a non-solvent of polymerized chloroprene in the proportion of approximately one part by weight of rubber to seven parts by weight of petroleum distillate, the continuous and dispersed phases being present in the dispersion in the proportion of approximately seven parts by weight of the continuous phase, to one part by weight of the dispersed phase.

2,300,353
METHOD OF MAKING SEAMLESS TUBING
John E. Eberhardt, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application May 31, 1941, Serial No. 396,025
3 Claims. (Cl. 29—156)



1. The method of making seamless molybdenum tubing which comprises forming a hollow tubular blank of the metal, inserting a core of a coarse-grained austenitic alloy steel containing substantially 10 to 14 per cent of manganese and coated with lime therein, heating said blank and core to a temperature approximately 2300° to 2500° F., hot-swaging with long-bearing finishing dies through a plurality of passes to improve the crystalline structure of the blank and work-harden the core while reducing the diameter of both the core and the blank, and during swaging allowing the temperature to reduce to 2000° to 2200° F. for the final swaging passes.

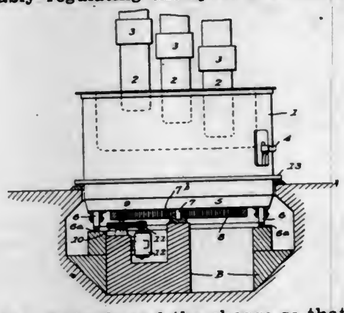
2,300,354
UNBALANCE CORRECTION METHOD AND MACHINE
William Barton Eddison, Irvington, N. Y.
Application June 24, 1939, Serial No. 280,907
22 Claims. (Cl. 77—5)



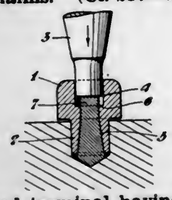
1. In a machine for reducing unbalance about the intended axis of rotation of a work piece, the combination of means for supporting the work piece in a plurality of spaced positions, means for transfer of the work piece in a step-by-step progress from a first of said spaced positions to each of the others thereof, means for establishing the relative angular position of said work piece in accordance with the angular position of any unbalance in the work piece while the work piece is supported by the supporting means in one of said positions, and unbalance reducing means operatively associated with the last mentioned position.

2,300,355
PROCESS FOR THE PRODUCTION OF CARBIDES AND FERRO-ALLOYS
Tönnes Ellefsen, Porsgrunn, Norway
Application May 1, 1941, Serial No. 391,416
In Norway July 3, 1935
6 Claims. (Cl. 13—34)

1. In the production of carbides and ferro-alloys by smelting a suitable charge in an electric furnace adapted for continuous operation and provided with one or more electrodes, the electrothermic process which includes during the continuous operation of the furnace the steps of energizing each electrode with alternating current, supplying the furnace with the raw material to be smelted, effecting relative movement between the charge and each electrode by relative movement between each electrode and the furnace hearth, regulating and positioning each electrode so that each electrode extends through and is surrounded by the charge for a substantial portion of its length above the smelting zone and is held out of contact with the melt at the bottom of the furnace hearth, preventing the clogging of the pores of the new craters continuously formed around the lower end of each electrode by suitably regulating the speed differential between the electrode and the charge so that each electrode travels very slowly through the charge at a speed depending upon the rapidity of the vertical descent of the materials in the craters so that such electrode can form a path through the charge without the development of appreciable side pressure on the electrode and thereby tending to prevent blowing of the furnace, and tapping off the liquid smelted product directly from the furnace hearth as the smelting is completed, substantially as described.



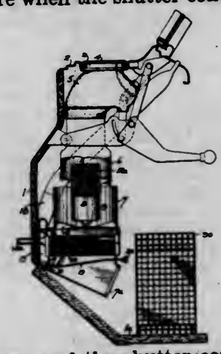
2,300,356
TERMINAL FOR RAIL BONDS
Harold H. Febrey, South Orange, N. J., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application May 14, 1940, Serial No. 335,180
4 Claims. (Cl. 287—20.3)



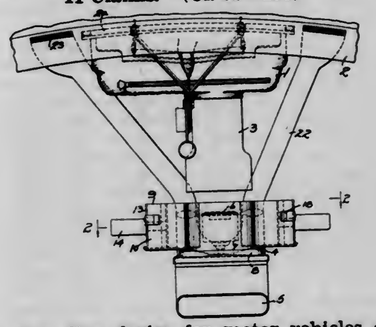
1. A rail bond terminal having a head and a stud with a hole formed through both the head and the stud, and a metal insert positioned in the hole with one end extending beyond the stud end and its other end terminating inside the head, the insert being shorter than the hole and its portion adjacent and extending beyond the stud end being at least as malleable as its remainder.

2,300,357
COMBINATION HEATING AND COOLING UNIT FOR MOTOR VEHICLES
Edmund E. Hans, Detroit, Mich.
Application December 11, 1940, Serial No. 369,649
3 Claims. (Cl. 257—137)

1. A unit of the character described comprising a housing having an inlet at its upper extremity and an outlet towards its other extremity, a fan mounted for rotation in the housing, a heater core in the housing beneath the fan, a chamber in the housing in horizontal alignment with the heater core, shutters above and beneath the heater core controlling passages from the interior of the main portion of the housing into the chamber, means for moving the shutters whereby one is opened and the other closed, the heater core offering sufficient resistance to the air flow therethrough to divert some air into the passage above said core when the shutter controlling that passage is open, and the shutter controlling the passage beneath the heater core being so constructed and arranged that it diverts some air into that passage when in open position, and upwardly projecting conduits extending from the chamber through which some air is adapted to be discharged from the housing either prior or subsequent to its passage through the heater core while the remainder of the air discharged by the fan passes through said outlet.

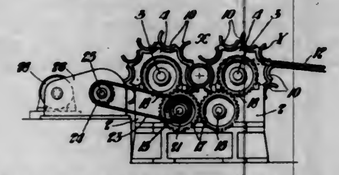


2,300,358
COOLING DEVICE FOR MOTOR VEHICLES
Edmund E. Hans, Detroit, Mich.
Application December 11, 1940, Serial No. 369,650
11 Claims. (Cl. 62—133)



11. A cooling device for motor vehicles comprising a housing adapted to be mounted in a vehicle body having an inlet at its upper extremity and an outlet at its lower extremity, means for admitting fresh air into said inlet, a fan mounted in the housing to discharge air through the outlet, a perforate container in the housing for supporting a refrigerant in the path of passing air to cool the latter, a perforate receptacle for refrigerant positioned in front of the housing outlet exteriorly of the housing whereby air discharged through the outlet is brought into contact with the refrigerant in said receptacle and is further cooled thereby, and air outlets connected to the housing beneath the container, said outlets extending upwardly to discharge cooled air into the upper portion of the vehicle.

2,300,359
GUIDING AND TRANSFER DEVICE
William T. Mohan, Pittsburgh, Pa.
Application July 3, 1940, Serial No. 343,885
4 Claims. (Cl. 86—51)



1. A guiding and transfer device for tube mills comprising, in combination, a series of opposed rotatable heads having their axes of rotation occupying substantially a common horizontal plane, a series of segments carried by each of said rotatable heads, each opposed pair of segments being so constructed as when in opposed relationship to substantially define a circle and when so disposed to be divided on a line offset with respect to the horizontal.

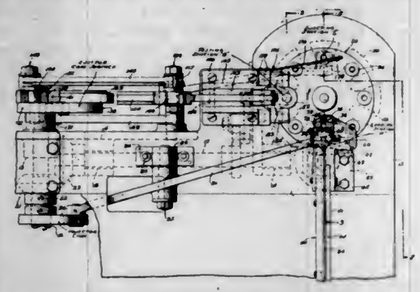
2,300,360
COLOR SELECTING CHART
August R. Remmers, Louisville, Ky.
Application September 6, 1940, Serial No. 355,686
3 Claims. (Cl. 35—53)



1. A color selecting chart including a body having a horizontal medially disposed fold line defining a pair of sections, color chips secured to one of the sections, the other of said sections being formed with a series of horizontally arranged cut-outs, and additional horizontal fold lines on said second mentioned section and being disposed in parallel spaced relation to each other and to said first-mentioned fold line near said first-mentioned fold line, said color chips being arranged in vertical alinement with the cut-outs and in horizontally and vertically arranged series, said last mentioned section being foldable on one of said fold lines for disposing the cut-outs in registration with one of the horizontally arranged series of color chips, said last mentioned section also being foldable selectively on the other fold lines for disposing the cut-outs in registration with the other horizontally arranged series of color chips, said cut-outs cooperating with the color chips for displaying colors through the cut-outs.

2,300,361
PRIMED SHELL TESTING APPARATUS
Warren S. Reynolds, Stratford, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application August 3, 1940, Serial No. 350,911
10 Claims. (Cl. 73—51)

5. In a testing apparatus for ammunition components, the combination comprising a frame; an indexable work carrier having spaced work holding bores; means for placing components in said bores; a reciprocating ejector pin for moving a component upwardly out of a bore; and a resilient finger which is flexed as the component is moved upwardly in the bore, the flexed finger moving the component sidewise as the component clears the bore.

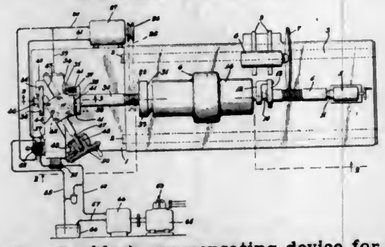


2,300,362
BEARING FOR INTEGRATING AND LIKE METERS
George Frederick Shotter, Friern Barnet, London, England
Application October 30, 1940, Serial No. 363,391
In Great Britain November 27, 1939
3 Claims. (Cl. 308—159)



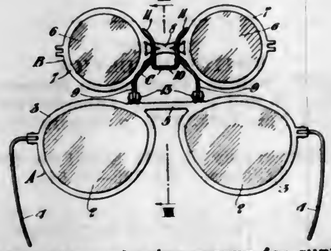
2. A bearing arrangement for the upper end of a rotor spindle of an alternating current supply or like meter liable to be subjected to considerable lateral thrust comprising, a fixed bearing structure, a pin depending from said fixed bearing structure, a weight slidably guided for vertical movement by said pin, a bearing jewel carried by said weight and having a bearing recess provided with a substantially part-spherical bearing surface, and a steel pin projecting upwardly from said rotor spindle and provided with a substantially part-spherical-shaped bearing surface at its upper end for engagement with said bearing surface of said jewel under the pressure of said weight, the radius of curvature of the jewel bearing surface being substantially equal to or not more than 1.5 times the radius of curvature of the bearing surface of said steel pin.

2,300,363
WORK-POSITIONING AND BACKLASH COMPENSATING DEVICE FOR MACHINE TOOLS
Ira J. Snader, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application May 29, 1940, Serial No. 337,827
9 Claims. (Cl. 51—95)



2. In a backlash compensating device for machine tools, in combination, a supporting boss, a cylindrical member rotatably mounted on said boss and adapted for connection with the lead screw of the machine tool, a gear on said cylindrical member, a piston motor including a rack engaging said gear, means for driving said piston motor in opposite directions, and means for variably determining the length of the piston motor stroke.

2,300,364
SAFETY GLASSES
Charles L. Wagner, Pittsburgh, Pa.
Application December 23, 1940, Serial No. 371,436
2 Claims. (Cl. 88—41)



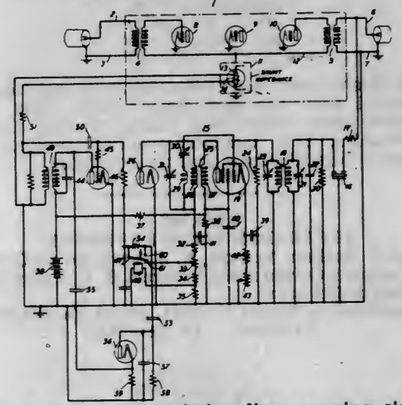
1. Safety glasses having means for supporting the same on the head of the user and including a clip for removably mounting a second pair of glasses, said clip being frictionally hinged to the first glasses at the top of the nose portion thereof for rotation transversely of the first glasses and having a terminal resilient gripping portion for receiving and securing the nosepiece of the second glasses.

2,300,365
SAFETY GOGGLES
Charles L. Wagner, Pittsburgh, Pa.
Application March 28, 1941, Serial No. 385,753
2 Claims. (Cl. 2—14)



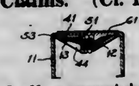
2. Safety goggles including a pair of lens frames, heat insulating pads of pliant material disposed about and secured to the frames, and a nose shield of heat insulating pliant material disposed between said frames, said nose shield including a band of fine wire gauze disposed thereover on the outer surface of the shield between the frames, and extending downwardly at least to the point of substantial divergence of the lens frames from the nose of the wearer.

2,300,366
SIGNAL TRANSMISSION SYSTEM
Royer R. Blair, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 28, 1940, Serial No. 367,515
10 Claims. (Cl. 178—44)



1. A signal transmission line carrying signal and pilot currents, an amplifier on said line for controlling the strength of the signal currents, a regulator circuit comprising an oscillator having output and input circuits and controlled by pilot current on said line for governing said amplifier to control the strength of the signal currents, and means comprising a holdover condenser charged according to the difference between the potential across the oscillator input circuit and rectified oscillator output for controlling said oscillator in case of failure of the pilot current.

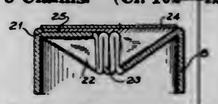
2,300,367
SHOT SHELL CLOSURE
Jesse Harmon, Wilmington, Del., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application August 16, 1941, Serial No. 407,133
7 Claims. (Cl. 102—42)



1. A shot shell comprising a body, an end closure integral with said body, and a moisture-proofing and ballistic controlling member seal secured to said end closure, said seal comprising essentially a thin disc adhesively secured to said end closure by means of phenol rubber product diluted with a small amount of basic amine polymer capable of being forced into coherent solid films which are substantially insoluble in water and 5% aqueous ammonia and soluble in 2% aqueous acetic acid and organic solvents, said phenol rubber product being a reaction prod-

uct of rubber and one or more phenols, containing 1% to 5% of the phenol material chemically combined with the rubber which is resinous, thermoplastic, benzene soluble, acid resistant, alkali resistant, which does not adhere to rubber, which has an impact strength similar to phenol aldehyde resins and which imparts a hardness to rubber like glue.

2,300,368
CLOSURE AND ADHESIVE THEREFOR
Jesse Harmon, Wilmington, Del., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application October 18, 1941, Serial No. 415,532
8 Claims. (Cl. 102—42)



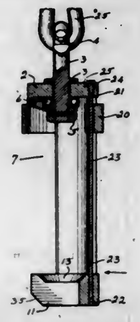
2. A shot shell body comprising an end closure integral with the side wall thereof, said end closure being sealed with milled cyclized rubber containing 25% resinous reaction product of phenol, formaldehyde and methylamine.

2,300,369
SEPARABLE SLIDE FASTENER
Paul S. Keilum, Newark, N. J., assignor to Crown Fastener Corporation, Warren, R. I., a corporation of Delaware
Application August 12, 1941, Serial No. 406,446
3 Claims. (Cl. 24—205)



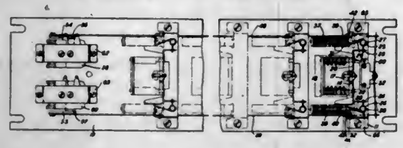
1. In a device of the class described having a pair of stringers carrying fastener elements, a slide having a constricted throat portion and diverging channels defined by top and bottom wings and a pair of flared side walls connected by a frog, each side wall comprising two parts separated by a slot to permit the movement of the stringers, said device also having a separable end connection for said stringers including a stop member to limit movement of the slide in one direction and a socket therein; the improvement providing means to prevent mismeshing of said fastener elements, said means comprising a pin joined to one of said stringers and adapted to pass through one of the channels of the slide, said pin being tapered at one end to facilitate engagement of said pin with the socket, said pin having a pivot portion intermediate the ends thereof adapted to engage one side wall of the slide and a fastener element rigidly joined to said pin at the end thereof opposite the tapered portion and on that side of the pin opposite the pivot portion; and a stud carried by the stop member and adjacent the socket thereof and attached to the other of said stringers, said stud having a recess on one side thereof adapted to receive a portion of the other side wall of the slide and a lateral projection on the other side of said stud.

2,300,370
SUCKER ROD ELEVATOR
Charley Lowery, Oklahoma City, Okla.
Application July 9, 1941, Serial No. 401,613
10 Claims. (Cl. 294—91)



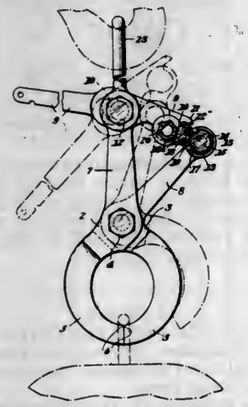
1. A sucker rod elevator comprising: an elongated hollow body having one open side for receiving the enlarged end of a usual sucker rod; a closure for the bottom end of said body having a side notch adapted to receive the portion of said rod which lies beneath said enlargement; a conical countersunk seat on the upper surface of said closure adjacent the notch for engaging beneath said enlargement and for centering the same in the body when the rod is supported thereby; an annular sleeve surrounding the body and logitudinally slidable thereon for retaining the sucker rod in the body when at the lower end of its throw; and a guide for the sleeve removably carried by the body.

2,300,371
SWITCHING DEVICE
Rudolph F. Mallina, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1941, Serial No. 402,222
6 Claims. (Cl. 179—27.54)



1. In a switching device, a row of select magnets, a set of contact springs located on opposite sides of each magnet to form parallel rows of sets of contact springs on opposite sides of the row of select magnets, an operating spring associated with each set of springs, a flexible finger associated with each operating spring, a bell crank lever associated with each finger, means associated with the armature of each magnet for actuating the two oppositely located bell crank levers to place the associated fingers in front of the associated operating springs, a tape located along the side of each row of sets of springs, a magnet for each tape to move it longitudinally, and projections on each tape so located that when a tape is moved longitudinally it will engage a finger that has been moved opposite an associated operating spring to cause said finger and operating spring to actuate the associated set of contacts to establish connections between them.

2,300,372
GRASPING HOOK OR DEVICE FOR CRANES AND THE LIKE
Howard J. Ralston, Munhall, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application March 7, 1942, Serial No. 433,795
8 Claims. (Cl. 294—83)

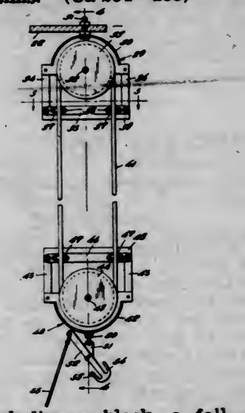


1. A device of the class described for use with cranes and the like comprising a pair of tong-like members pivotally attached to each other intermediate the lengths thereof, said tong-like members having opposed hook-like jaw portions arranged on one end thereof which are adapted to cooperate with each other to grasp the article to be lifted thereby and having a shank portion arranged on each beyond its pivotal connection, a lever member pivotally attached intermediate the length thereof to the shank portion of one of said tong-like members, a link member having one end thereof pivotally connected to the shank portion of the other tong-like member, said link member having the opposite end thereof pivotally connected to the end of said lever member, said lever member upon movement thereof being adapted to move one of said tong-like members about the pivotal connection so that the hook-like jaw portion carried thereby is moved relative to the hook-like jaw portion carried by the other tong-like member whereby said jaw portions are opened and closed thereby, and means for connecting the shank portion of one of said tong-like members to a crane hook or other supporting means.

2,300,373
COATED PAPER
Frank R. Stoner, Jr., and Daniel M. Gray, Sewickley, Pa., assignors to Stoner-Mudge, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 11, 1942, Serial No. 434,252
8 Claims. (Cl. 117—143)

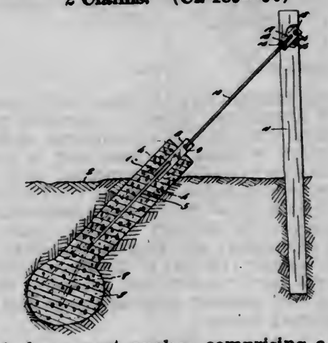
1. As an article of manufacture, sheeted cellulosic material coated with a finishing varnish in which the resinous solids consist of (1) a copolymer of vinyl halide and a vinyl ester of a lower aliphatic monocarboxylic acid, and (2) a copolymer of a vinyl halide, a vinyl ester of a lower aliphatic monocarboxylic acid, and a substance selected from a group consisting of maleic acid, maleic anhydride, and the lower alkyl esters of maleic acid, the article being characterized by superior flexibility, abrasion resistance, and adhesion of the varnish to the cellulosic material, coupled with a high degree of inertness to atmospheric oxidation and to attack by oils, grease, and mild alkalis and acids.

2,300,374
COTTON HANDLING APPARATUS
James P. Turner, Tatum, N. Mex.
Application September 16, 1941, Serial No. 411,069
2 Claims. (Cl. 254—188)



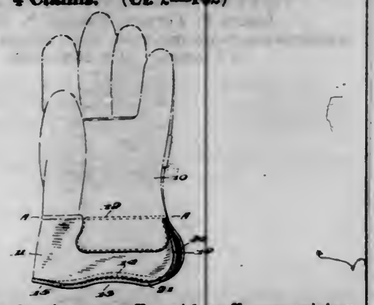
1. A hoist including a block, a fall, a rope operatively connecting said block and said fall, the block and fall each comprising a housing, pairs of links pivotally mounted on each housing, a bar pivotally mounted on each pair of links, a bumper mounted on each bar, and means for detachably connecting a load to the fall.

2,300,375
FENCE POST ANCHOR
James P. Turner, Tatum, N. Mex.
Application October 23, 1941, Serial No. 416,261
2 Claims. (Cl. 189—90)



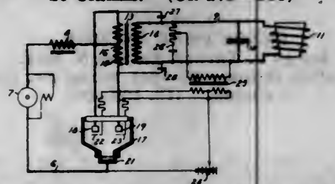
1. A fence post anchor comprising a concrete body embedded in the ground and including a horizontally elongated lower portion, a rod embedded in said body, opposed anchoring hooks on the lower end of said rod embedded in the enlargement, a bar fixed to the upper end portion of said rod and projecting from the body, and means connecting said bar to a fence post, said means including a pair of angular brackets mounted on the post and having openings therein, and a substantially V-shaped connector mounted on the bar and having its end portions engaged in the apertures of said brackets and anchored to said brackets.

2,300,376
CUFFED GLOVE
William O. Wells, Jr., Evanston, Ill., assignor to Wells Lamont Smith Corp., Chicago, Ill., a corporation of Minnesota
Application February 12, 1941, Serial No. 378,630
4 Claims. (Cl. 2—162)



1. A glove having a cuff, said cuff comprising a front portion, a back portion and a side portion at the base of the glove thumb connecting the front and back cuff portions, the bottom edge of the side cuff portion and the bottom edge of at least one of said other cuff portions each being formed with a wide indentation whereby increased inclination of the arm of the wearer is permitted relative to the cuff.

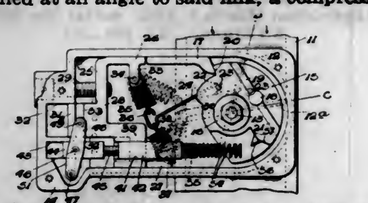
2,300,377
ELECTRIC VALVE CONVERTING SYSTEM
Isadore K. Dortort, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 24, 1941, Serial No. 380,216
10 Claims. (Cl. 175—363)



1. In combination, an inductive electric current circuit, an alternating current consuming device of capacitive character, a transformer comprising a primary winding provided with a midtap and a secondary winding connected with said current consuming device, a pair of electric valves connecting said circuit between the terminals and the midtap of said primary winding, means for rendering said valves alternately conductive, and means for causing transfer of the flow of current between said valves comprising capacitor means connecting said primary winding across said current consuming device.

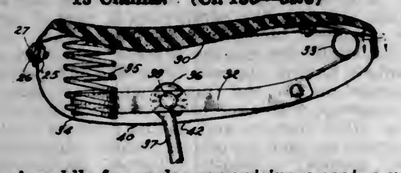
2,300,378
GOVERNOR
Robley D. Fageol, Grosse Pointe Farms, Mich., and William E. Leibing, San Rafael, Calif., assignors to Leibing-Fageol Company, Detroit, Mich., a partnership
Application November 24, 1939, Serial No. 305,998
3 Claims. (Cl. 137—152)

1. In a velocity governor for an internal combustion engine of the type including a conduit forming part of the fuel intake to said engine, and a valve in said conduit of a type to be urged toward closed position by fluid flow therethrough, the combination of spring mechanism to oppose closing movement of said valve comprising a plurality of extension springs, a link connecting said valve and said extension springs, the latter being positioned at an angle to said link, a compression



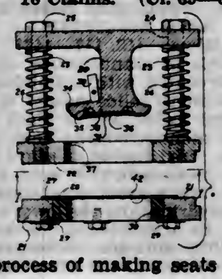
spring, means to adjust said extension springs in tension and in their angle relative to said link without changing the length of said link, and means to change the effect of said compression spring in a reverse direction as said extension springs are adjusted.

2,300,379
SADDLE CONSTRUCTION
Roland W. Faulhaber, Monroeville, Ohio, assignor to The Faulhaber Company, Monroeville, Ohio, a corporation of Ohio
Application January 27, 1941, Serial No. 376,139
13 Claims. (Cl. 155—5.23)



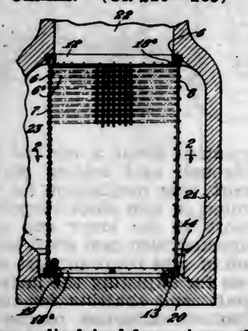
1. A saddle for cycles comprising a seat, a post connected to said seat for mounting the saddle on a cycle, the connections between said seat and post including a spring to cushion the seat with respect to the cycle, and a bottom cover plate secured to said seat and depending therefrom, said cover plate housing and concealing the connections between said post and said seat, and said cover plate being formed with an opening through which said post extends, said opening being of sufficient size to permit unrestrained movement of said post during the cushioning action of said spring.

2,300,380
PROCESS AND APPARATUS FOR MAKING CYCLE SADDLES
Roland W. Faulhaber, Monroeville, Ohio, assignor to The Faulhaber Company, Monroeville, Ohio, a corporation of Ohio
Application June 17, 1941, Serial No. 398,445
18 Claims. (Cl. 69—8)



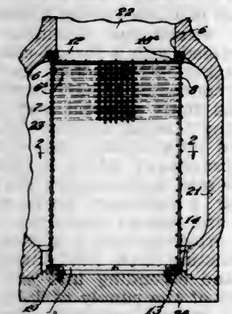
1. The process of making seats for cycle saddles and the like comprising frictionally gripping the edges of a sheet of flexible covering material, forcing a base member against said material so as to pull said edges free and simultaneously pull said covering material tightly about said base member, and securing the edges of said covering material to said base member.

2,300,381
FILTER
Charles L. Hardy, Waban, Mass., assignor to Joseph T. Ryerson & Son, Inc., Chicago, Ill., a corporation of Delaware
Application April 2, 1941, Serial No. 386,433
8 Claims. (Cl. 210—169)



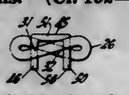
4. A seamless cylindrical foraminous filter comprising circumferentially spaced longitudinally extending elements interwoven with a helically coiled strand, said longitudinal elements having therein permanent transverse offsets operative to prevent relative longitudinal movement of adjacent turns of the helically coiled strand, and holding means rigidly engaging the turns of said helical strand to prevent variation in the circumferential spacing of the longitudinally extending elements.

2,300,382
METHOD OF MAKING FILTERS
Charles L. Hardy, Waban, Mass., assignor to Joseph T. Ryerson & Son, Inc., Chicago, Ill., a corporation of Delaware
Original application April 2, 1941, Serial No. 386,433. Divided and this application November 17, 1941, Serial No. 419,417
6 Claims. (Cl. 140—3)



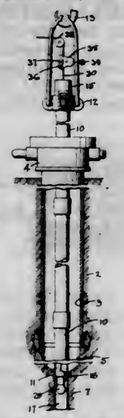
1. That method of making a seamless cylindrical filter structure which comprises providing a plurality of lengths of transversely crimped, stiffly resilient warp wire, and a plurality of lengths of substantially straight, stiffly resilient warp wire, providing helically coiled transversely crimped weft wire, so assembling the lengths of crimped warp wire with the helically coiled weft wire that the warp wires extend longitudinally and in substantially parallel, circumferentially spaced relation and with turns of the helically coiled wire seated in recesses in the crimped warp wires, and with the crimped warp wires seated in recesses of the crimped helical weft wire, and introducing lengths of the straight warp wire between adjacent crimped warp wires so that said straight warp wires interweave with successive helical weft wire turns and are slightly deflected from a straight line at the crossing points thereby placing the helical turns under hoop tension.

2,300,383
CALK FOR ANTISKID TIRE CHAINS
Arthur M. Haynes, St. Catharines, Ontario, Canada, assignor to Columbus McKinnon Chain Corp., Tonawanda, N. Y., a corporation of New York
Application October 24, 1940, Serial No. 362,641
6 Claims. (Cl. 152—245)



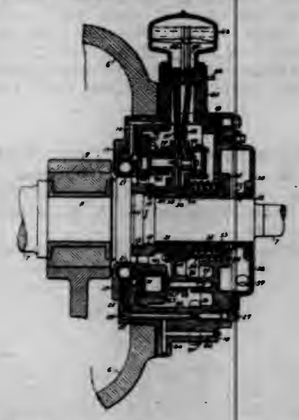
1. A calk for individual links of an anti-skid chain, said calk being disposed within the link and formed with a plurality of interspaced struts adapted to extend across between the sides of the link, said struts being so formed as to extend through the link and to project from opposite faces thereof, and said struts having preformed grooves in its opposite sides for registration and close-fitting engagement with said link sides.

2,300,384
METHOD OF LOCATING STUCK PIPE IN WELLS
Edwin L. Johnston, Evansville, Ind., assignor of fifty per cent to Delta Drilling Company, Tyler, Tex., a corporation of Texas
Application January 29, 1940, Serial No. 316,287
2 Claims. (Cl. 73—51)



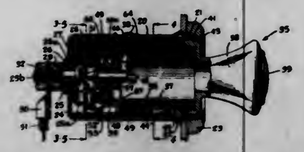
2. A method of locating the elevation of sticking of a pipe in a well bore which comprises anchoring an end portion of a wire line inside of the stuck pipe at a known elevation and above the elevation of sticking, exerting a pull on the pipe to stretch it above the point of sticking, and determining the movement of each the wire line and the pipe as an indication of the elevation at which the pipe is sticking.

2,300,385
ROTARY SHAFT SEAL
Gustaf L. Kollberg, Milwaukee, and Melvin C. Shaw, Wauwatosa, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application July 17, 1940, Serial No. 345,904
11 Claims. (Cl. 286—11)



1. In a seal for a machine having a rotating shaft extending through a wall of a casing, a resilient tube substantially enclosed in a groove in the casing adjacent to the shaft, the groove having an opening narrower than the width thereof below the opening, a conduit for conveying a fluid under pressure into said tube for expanding a portion of said tube through the groove opening into sealing contact with the shaft, and a manually operable valve controlling communication between the interior of the casing and of said tube for equalization of the pressure differences therebetween.

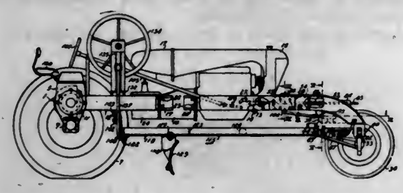
2,300,386
CIGAR LIGHTER
Herbert G. Lehmann, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application December 28, 1937, Serial No. 182,064
18 Claims. (Cl. 219—32)



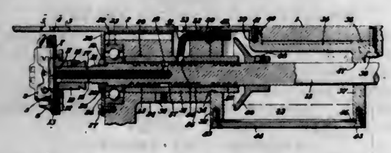
1. In an electric cigar lighter, a heating element for igniting cigars or the like; means for closing a circuit through the heating element; and means operable by and in response to deformation of the heating element, upon being brought to a predetermined heat, for opening the circuit.

2,300,387
ROAD MACHINE
Horace W. Lindsay, La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application July 27, 1940, Serial No. 347,851
11 Claims. (Cl. 280—87)

1. In a vehicle having an elevated frame structure, a walled front support extending downwardly from said frame structure and having a bottom portion at its lower end, a front axle supportingly connected with said front support, front wheels adjustably mounted on said front axle, a shaft support movable into and out of said front support through a rearward aperture of the latter above said bottom portion thereof and below said elevated frame structure, means detachably securing said shaft support within said front support to said bottom portion of the latter, a shaft mounted on said shaft support for rotation about a vertical axis and extending through said bottom portion of said front support, gear mechanism for rotating said shaft mounted on said shaft support within said front support at the lower end of the latter, means connected with said shaft below said bottom portion of said front support and with said front wheels for adjusting the latter by rotation of said shaft, and shafting for operating said gear mechanism extending rearwardly through said rearward aperture of said front support and upwardly through said elevated frame structure.

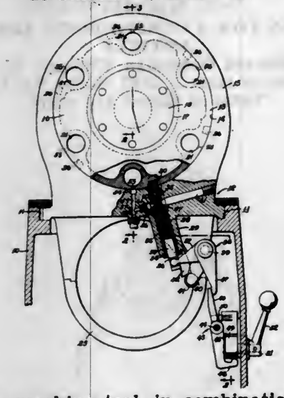


2,300,388
LUBRICATING MEANS FOR SEWING MACHINE LOOP TAKERS
Frank Parry, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application October 17, 1940, Serial No. 361,524
9 Claims. (Cl. 184—6)



1. In a sewing machine having a work-support, stitch-forming mechanism including a rotary loop-taker provided with a thread-case raceway, a rotary loop-taker carrying shaft having a longitudinal bore connected to said raceway, and a bearing for said shaft adjacent said loop-taker, said shaft having a radial aperture connected to said shaft-bore intermediate the ends of said shaft, the improvement which consists in the provision below said work-support of a lubricant-supply reservoir, a stationary sleeve encompassing said shaft and spaced therefrom, said sleeve being radially provided with a lubricant-duct, a lubricant-conducting wick overhanging said lubricant-duct and extending into said reservoir above the level of the supply of lubricant contained therein, means rendered effective upon operation of the machine for supplying lubricant from said reservoir to said lubricant-conducting wick, and means rendered effective by rotation of said shaft for impelling lubricant lengthwise of said shaft and within said sleeve to the radial aperture of said shaft.

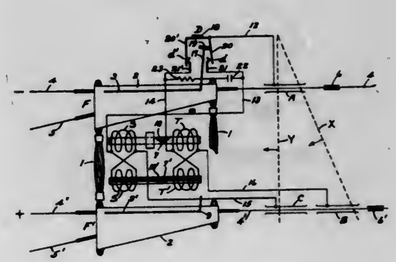
2,300,389
COOLANT CONTROL AND LOCK FOR SPINDLE TURRETS
Harry W. Ruppel, Cleveland, Ohio, assignor to The Foote-Burt Company, Cleveland, Ohio, a corporation of Ohio
Application May 11, 1940, Serial No. 334,624
13 Claims. (Cl. 29—43)



1. In a machine tool, in combination, a support having a guide bore, a turret mounted for rotation in said bore and having a plurality of peripherally spaced holes, means for rotatably indexing said turret to move said holes successively into a working station, said support being formed with a coolant supply port located at said station and opening to said bore, each of said holes being formed with a coolant inlet port movable into position for communication with said supply port respectively upon movement of the associated hole by rotation of said turret into said station, and valve means for controlling the supply of coolant to said supply port.

2,300,390
TROLLEY SWITCH AND FROG
Leland L. Davis, Kansas City, Mo., assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Original application November 26, 1940, Serial No. 367,203. Divided and this application May 7, 1941, Serial No. 392,229
4 Claims. (Cl. 200—100)

1. A circuit control switch comprising, an insulating member, a pair of fixed contacts attached to the member in spaced and insulated relation and provided with means for the attachment of conductors thereto, a supplementary contact attached to the member and having a pair of spaced and movable elongated contact arms, one arm for each fixed contact, and each arm biased to engage its fixed contact whereby the fixed contacts are electrically connected together when each fixed contact is engaged at the same time by its arm, a reciprocable operating member positioned between the arms and movable to two opposite positions and to an intermediate position and so related to the arms that when the operating member is in either of its opposite

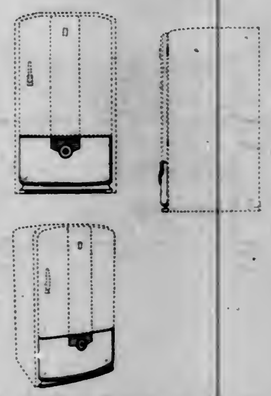


positions one or the other movable arm is out of contact with its fixed contact but when the operating member is in its intermediate position each movable arm is in contact with its fixed contact and the fixed contacts electrically connected together, a pair of coils, an armature movable in said coils and connected to said operating member, one of said coils moving said operating member to one of said two opposite positions and the other coil moving said operating member to the other of two operating positions, and a support for the insulating member and so connected to the insulating member that the insulating member and the spacing of the arms supported thereby may be adjusted with respect to the operating member.

DESIGNS

OCTOBER 27, 1942

134,160
DESIGN FOR A REFRIGERATOR
Howard B. Barber, Glenview, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application October 22, 1941, Serial No. 103,862
Term of patent 7 years



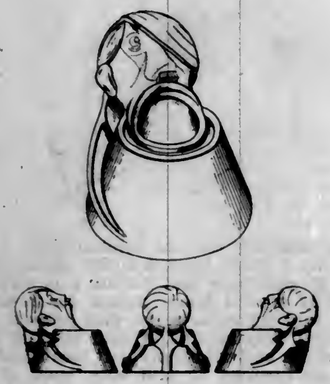
The ornamental design for a refrigerator, substantially as shown and described.

134,161
DESIGN FOR A KNEELING RAIL
Robert R. De Ment, Cleveland Heights, Ohio
Application August 15, 1941, Serial No. 102,858
Term of patent 7 years



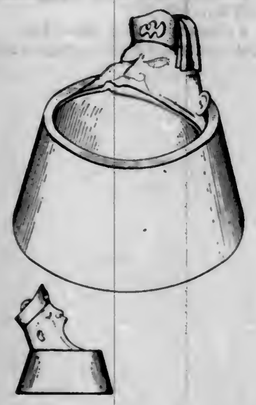
The ornamental design for a kneeling rail, as shown.

134,162
DESIGN FOR A CUSPIDOR OR SIMILAR ARTICLE
Edward Grossman, Chicago, Ill.
Application June 3, 1942, Serial No. 107,086
Term of patent 3½ years



The ornamental design for a cuspidor or similar article, substantially as shown and described.

134,163
DESIGN FOR A CUSPIDOR OR SIMILAR ARTICLE
Edward Grossman, Chicago, Ill.
Application June 16, 1942, Serial No. 107,219
Term of patent 3½ years



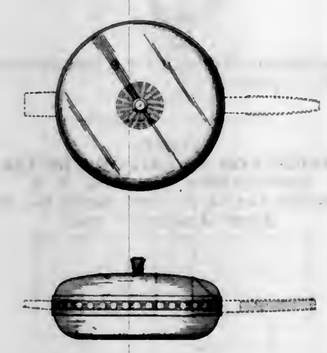
The ornamental design for a cuspidor or similar article, substantially as shown and described.

134,164
DESIGN FOR A FILTER DISK FOR DRIP COFFEE MAKERS
Ames Peterson, Berwyn, Ill., assignor to Club Aluminum Products Co., Chicago, Ill., a corporation of Delaware
Application August 31, 1942, Serial No. 108,082
Term of patent 14 years



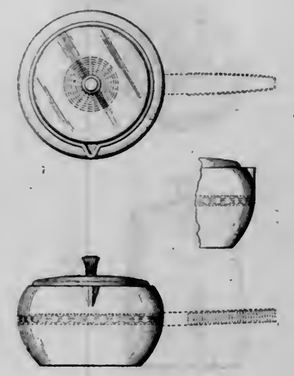
The ornamental design for a filter disk for drip coffee makers, substantially as shown.

134,165
DESIGN FOR A COOKING VESSEL
Karl Schneider, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 26, 1942, Serial No. 105,996
Term of patent 3½ years



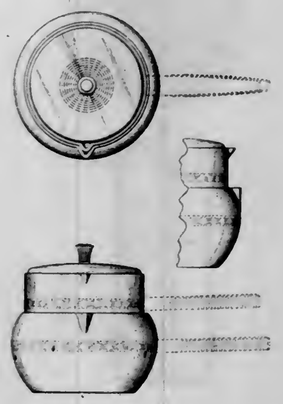
The ornamental design for a cooking vessel, as shown.

134,166
DESIGN FOR A COOKING VESSEL
Karl Schneider, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 26, 1942, Serial No. 105,997
Term of patent 7 years



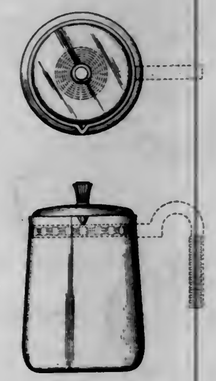
The ornamental design for a cooking vessel, as shown and described.

134,167
DESIGN FOR A DOUBLE BOILER OR THE LIKE
Karl Schneider, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 26, 1942, Serial No. 105,998
Term of patent 7 years



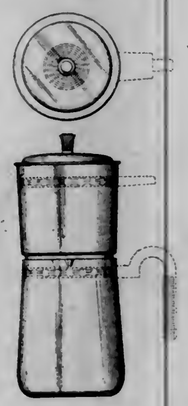
The ornamental design for a double boiler or the like, as shown and described.

134,168
DESIGN FOR A COFFEEPOT OR THE LIKE
Karl Schneider, Chicago, Ill. assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 26, 1942, Serial No. 105,999
Term of patent 7 years



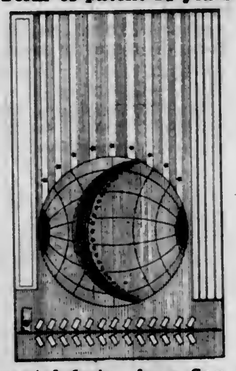
The ornamental design for a coffeepot or the like, as shown.

134,169
DESIGN FOR A COFFEE MAKER
Karl Schneider, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 26, 1942, Serial No. 106,000
Term of patent 7 years



The ornamental design for a coffee maker, as shown.

134,170
DESIGN FOR A FLAG
Walter M. Anderson, Montgomery, Ala.
Application August 27, 1942, Serial No. 108,048
Term of patent 14 years



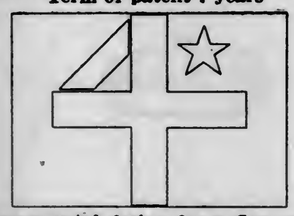
The ornamental design for a flag, as shown.

134,171
DESIGN FOR A GAS DETECTOR
John F. Dauster, Wilkinsburg, Ralph E. Hartline, Swissvale, and Paul C. Perrin, Pittsburgh, Pa., assignors to Mine Safety Appliances Company, Pittsburgh, Pa.
Application January 21, 1942, Serial No. 105,348
Term of patent 14 years



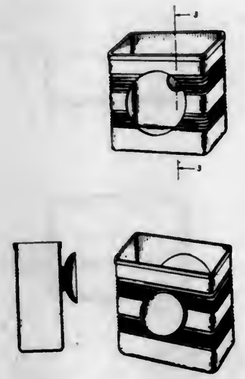
The ornamental design for a gas detector, substantially as shown.

134,172
DESIGN FOR A FLAG OR THE LIKE
Louis Grudin, New York, N. Y.
Application August 21, 1942, Serial No. 107,991
Term of patent 7 years



The ornamental design for a flag or the like, as shown.

134,173
DESIGN FOR A CIGARETTE PACK HOLDER
Edward Kanter, Cleveland Heights, Ohio
Application July 14, 1941, Serial No. 102,132
Term of patent 3½ years



The ornamental design for a cigarette pack holder, substantially as shown.

134,174
DESIGN FOR AN APPLIQUE EMBLEM OR SIMILAR ARTICLE
Frank John Keil, New York, N. Y.
Application July 25, 1942, Serial No. 107,681
Term of patent 3½ years



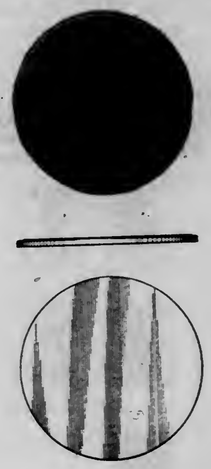
The ornamental design for an applique emblem or similar article, substantially as shown.

134,175
DESIGN FOR AN APPLIQUE EMBLEM OR SIMILAR ARTICLE
Frank John Keil, New York, N. Y.
Application July 25, 1942, Serial No. 107,682
Term of patent 3½ years



The ornamental design for an applique emblem or similar article, substantially as shown.

134,176
DESIGN FOR A PHOTOELECTRIC CELL
Anthony H. Lamb, Hillside, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application August 18, 1942, Serial No. 107,958
Term of patent 14 years



The ornamental design for a photoelectric cell, as shown.

134,177
DESIGN FOR A RING OR THE LIKE
Walter Lampl, New York, N. Y.
Application September 10, 1942, Serial No. 108,169
Term of patent 7 years



The ornamental design for a ring or the like, as shown.

134,178
DESIGN FOR A BADGE
Ralph E. Maulsby, Wichita, Kans., assignor of thirty-three and one-third per cent to Paul A. Wiegand and thirty-three and one-third per cent to Harold K. Meece, both of Wichita, Kans.
Application August 17, 1942, Serial No. 107,953
Term of patent 7 years



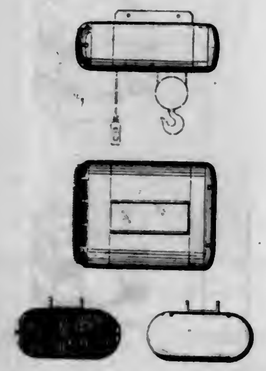
The ornamental design for a badge, substantially as shown.

134,179
DESIGN FOR A DECK OF PLAYING CARDS
Christian Frederik Nielsen, Reykjavik, Iceland
Application January 12, 1942, Serial No. 105,151
Term of patent 7 years



The ornamental design for a deck of playing cards, substantially as shown and described.

134,180
DESIGN FOR A HOIST
Humphrey F. Parker, Kenmore, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y.
Application May 12, 1942, Serial No. 106,873
Term of patent 14 years



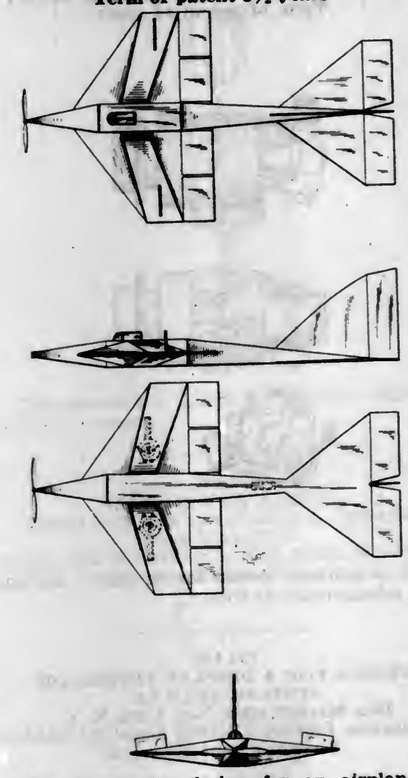
The ornamental design for a hoist, as shown and described.

134,181
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Philip Schwartz, Springfield, Mass.
Application February 9, 1942, Serial No. 105,724
Term of patent 14 years



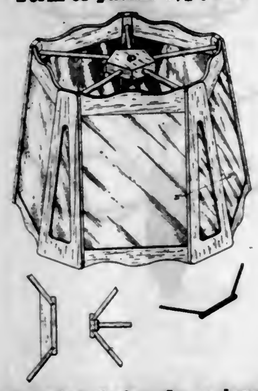
The ornamental design for a bottle or similar article, as shown and described.

134,182
DESIGN FOR AN AIRPLANE
Frank A. Wagner, St. Paul, Minn.
Application June 24, 1941, Serial No. 101,649
Term of patent 3½ years



The ornamental design for an airplane, as shown.

134,183
DESIGN FOR A LAMP SHADE
Harry H. Warde, Kansas City, Kans.
Application September 4, 1942, Serial No. 108,135
Term of patent 3½ years



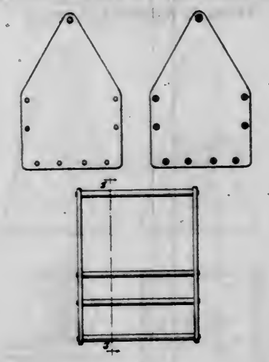
The ornamental design for a lamp shade, as shown.

134,184
DESIGN FOR A FOOD SERVICE BUILDING OR THE LIKE
John D. White, Wichita Falls, Tex.
Application May 22, 1940, Serial No. 92,528
Term of patent 3½ years



The ornamental design for a food service building or the like, substantially as shown and described.

134,185
DESIGN FOR A BOTTLE CARRIER
Charles F. Belshaw, Greenville, Mich.
Application September 2, 1942, Serial No. 108,108
Term of patent 7 years



The ornamental design for a bottle carrier, as shown.

134,186
DESIGN FOR A LAPEL BUTTON
Frank P. Coleman, Hammond, Inc.
Application July 30, 1942, Serial No. 107,768
Term of patent 3½ years



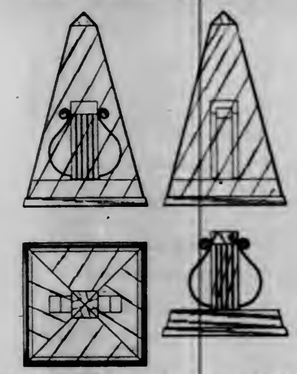
The ornamental design for a lapel button, as shown.

134,187
DESIGN FOR A STATUETTE
Nicholas Falardo, New York, N. Y.
Application August 1, 1942, Serial No. 107,786
Term of patent 3½ years



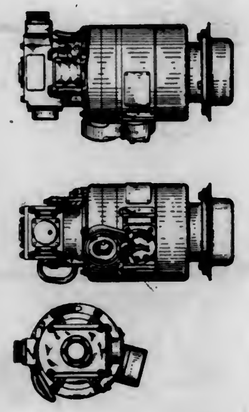
The ornamental design for a statuette, as shown.

134,188
DESIGN FOR A COMBINED BOTTLE AND ENCASEMENT THEREFOR
Jack Green, New York, N. Y.
Application November 12, 1940, Serial No. 96,468
Term of patent 3½ years



The ornamental design for a combined bottle and encasement therefor, as shown and described.

134,189
DESIGN FOR AN ENGINE STARTING UNIT
Ralph M. Heintz, Cleveland, Ohio, assignor to Jack & Heintz, Inc., Cleveland, Ohio
Application May 14, 1941, Serial No. 100,934
Term of patent 14 years



The ornamental design for an engine starting unit, substantially as shown.

134,190
DESIGN FOR A DISPLAY FIGURE OR SIMILAR ARTICLE
Elsa Maria Kafka, New York, N. Y.
Application January 31, 1942, Serial No. 105,540
Term of patent 3½ years



The ornamental design for a display figure or similar article, as shown.

134,191
DESIGN FOR A MEDAL
Edward Roberts Moore, New York, N. Y.
Application December 20, 1940, Serial No. 97,489
Term of patent 14 years



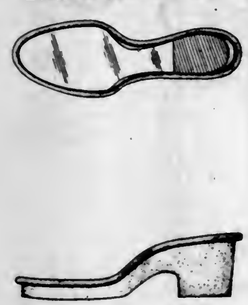
The ornamental design for a medal, substantially as shown.

134,192
DESIGN FOR A SHOE
Mabel Julianelli and Charles A. Julianelli, New York, N. Y.
Application September 9, 1942, Serial No. 108,162
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

134,193
DESIGN FOR A COMBINED SOLE AND HEEL
Francis X. Lipari, New York, N. Y.
Application March 27, 1942, Serial No. 106,341
Term of patent 3½ years



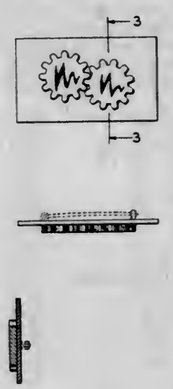
The ornamental design for a combined sole and heel, substantially as shown.

134,194
DESIGN FOR A SLIPPER
Nicholas Locilento, Cliffside, N. J.
Application September 21, 1942, Serial No. 108,296
Term of patent 3½ years



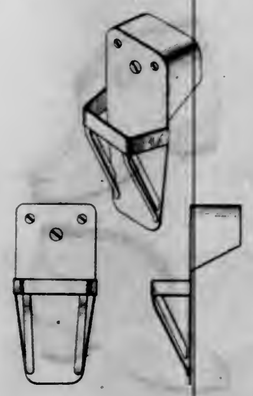
The ornamental design for a slipper, substantially as shown.

134,195
DESIGN FOR A BADGE OR THE LIKE
Will McAdam, South Euclid, Ohio, assignor to The Ohio Gear Company, Cleveland, Ohio, a corporation of Ohio
Application August 7, 1942, Serial No. 107,843
Term of patent 7 years



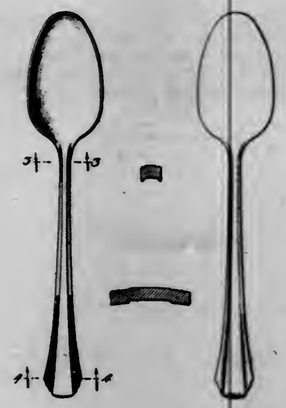
The ornamental design for a badge or the like, as shown.

134,196
DESIGN FOR A FILLING HORN
Raymond W. Smith, Chicago, Ill.
Application May 7, 1942, Serial No. 106,817
Term of patent 3½ years



The ornamental design for a filling horn, as shown.

134,197
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Grosvenor N. Allen and Lloyd E. Rossegger, Oneida, N. Y., assignors to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application February 6, 1942, Serial No. 105,662
Term of patent 14 years



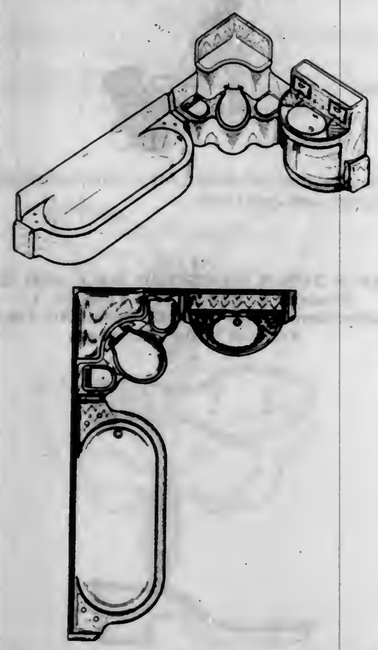
The ornamental design for a spoon or similar article, substantially as shown and described.

134,198
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Grosvenor N. Allen, Oneida, and William H. Gerth, New York, N. Y., assignors to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application February 10, 1942, Serial No. 105,739
Term of patent 14 years



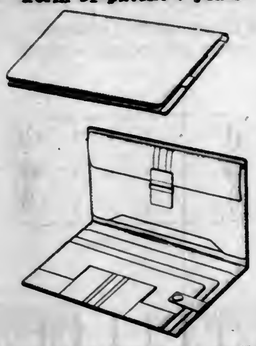
The ornamental design for a spoon or similar article, substantially as shown and described.

134,199
DESIGN FOR A COMBINATION BATHROOM UNIT
David E. Anderson, Los Angeles, Calif.
Application February 18, 1942, Serial No. 105,860
Term of patent 14 years



The ornamental design for a combination bathroom unit, as shown.

134,200
DESIGN FOR A WALLET
Harry P. Behrman, St. Albans, N. Y.
Application September 19, 1942, Serial No. 108,275
Term of patent 7 years



The ornamental design for a wallet, substantially as shown.

134,201
DESIGN FOR A DRESS
Netye Carson, New York, N. Y.
Application September 30, 1942, Serial No. 108,373
Term of patent 3½ years



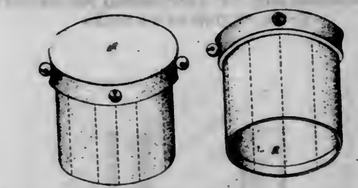
The ornamental design for a dress, substantially as shown.

134,202
DESIGN FOR A DRESS
J. Morgan Fauth, New York, N. Y.
Application September 30, 1942, Serial No. 108,374
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,203
DESIGN FOR A HAT
Zinaïda Harpignies, Kew Gardens, N. Y.
Application September 16, 1942, Serial No. 108,238
Term of patent 3½ years



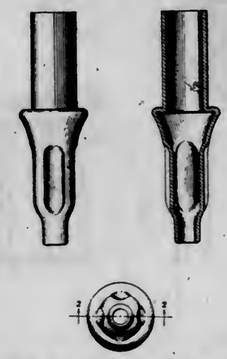
The ornamental design for a hat, as shown.

134,204
DESIGN FOR A HAT
Zinaïda Harpignies, Kew Gardens, N. Y.
Application September 16, 1942, Serial No. 108,239
Term of patent 3½ years



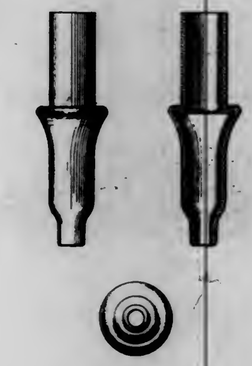
The ornamental design for a hat, as shown.

134,205
DESIGN FOR A MECHANICAL PENCIL TIP
Hugo S. Hasselquist, Oak Park, Ill., assignor to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey
Application July 15, 1942, Serial No. 107,547
Term of patent 14 years



The ornamental design for a mechanical pencil tip, as shown.

134,206
DESIGN FOR A MECHANICAL PENCIL TIP
Hugo S. Hasselquist, Oak Park, Ill., assignor to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey
Application July 15, 1942, Serial No. 107,548
Term of patent 14 years



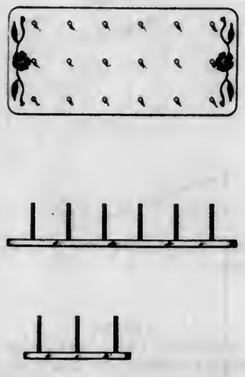
The ornamental design for a mechanical pencil tip, as shown.

134,207
DESIGN FOR A DRESS
Harry R. Herrmann, St. Louis, Mo., assignor to Kay Ferer, Inc., St. Louis, Mo., a corporation of Missouri
Application October 1, 1942, Serial No. 108,385
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,208
DESIGN FOR A SPOOL HOLDER
Eunice G. McCrary, West Point, Miss.
Application August 19, 1941, Serial No. 102,951
Term of patent 7 years



The ornamental design for a spool holder, substantially as shown and described.

134,209
DESIGN FOR A DRESS
Marjorie Norton, St. Louis, Mo., assignor to Kay Ferer, Inc., St. Louis, Mo., a corporation of Missouri
Application October 1, 1942, Serial No. 108,386
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,210
DESIGN FOR A DRESS
Marjorie Norton, St. Louis, Mo., assignor to Kay Ferer, Inc., St. Louis, Mo., a corporation of Missouri
Application October 1, 1942, Serial No. 108,387
Term of patent 3½ years



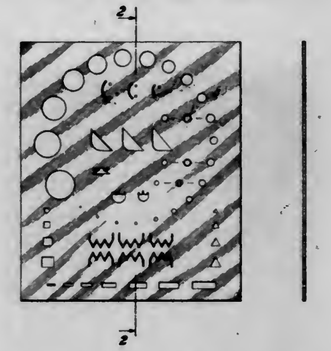
The ornamental design for a dress, substantially as shown.

134,211
DESIGN FOR A DRESS
Marjorie Norton, St. Louis, Mo., assignor to Kay Ferer, Inc., St. Louis, Mo., a corporation of Missouri
Application October 1, 1942, Serial No. 108,388
Term of patent 3½ years



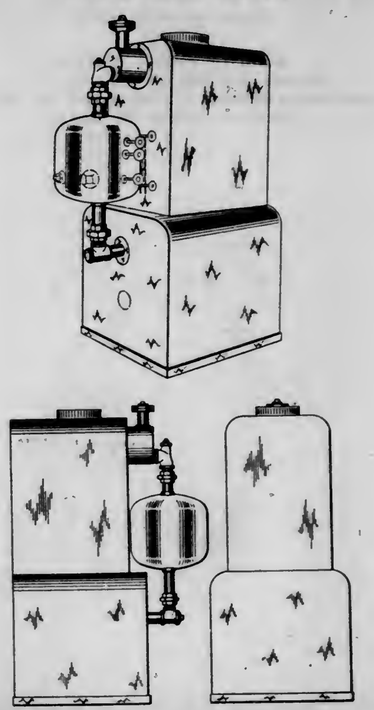
The ornamental design for a dress, substantially as shown.

134,212
DESIGN FOR AN ELECTRICAL DRAFTSMAN'S SYMBOL TEMPLATE
Edward A. Pullan, Los Angeles, Calif.
Application August 7, 1942, Serial No. 107,846
Term of patent 7 years



The ornamental design for an electrical draftsman's symbol template, as shown.

134,213
DESIGN FOR A BOILER
Alfred F. Renz, Milwaukee, Wis., assignor to Morheat Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application August 5, 1942, Serial No. 107,814
Term of patent 14 years



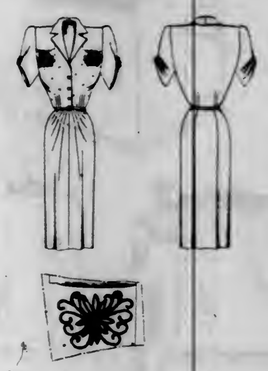
The ornamental design for a boiler, as shown.

134,214
DESIGN FOR A DRESS
Harold H. Stahl, New York, N. Y.
Application October 7, 1942, Serial No. 108,457
Term of patent 3½ years



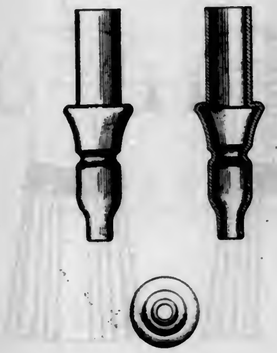
The ornamental design for a dress, substantially as shown.

134,215
DESIGN FOR A DRESS
Harold H. Stahl, New York, N. Y.
Application October 7, 1942, Serial No. 108,458
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,216
DESIGN FOR A MECHANICAL PENCIL TIP
Hugo S. Hasselquist, Oak Park, Ill., assignor to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey
Application July 15, 1942, Serial No. 107,546
Term of patent 14 years



The ornamental design for a mechanical pencil tip, as shown.

134,217
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y.
Application September 30, 1942, Serial No. 108,375
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

134,218
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y.
Application September 30, 1942, Serial No. 108,376
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

134,219
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y.
Application September 30, 1942, Serial No. 108,377
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

134,220
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y.
Application September 30, 1942, Serial No. 108,378
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

134,221
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application October 8, 1942, Serial No. 108,471
Term of patent 3½ years



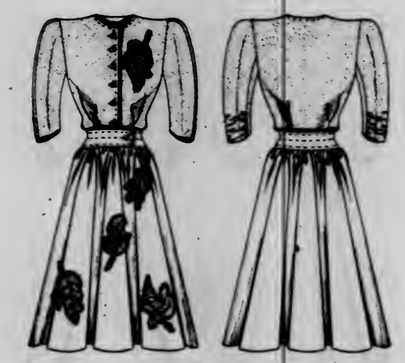
The ornamental design for a dress, substantially as shown.

134,222
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application October 8, 1942, Serial No. 108,472
Term of patent 3½ years



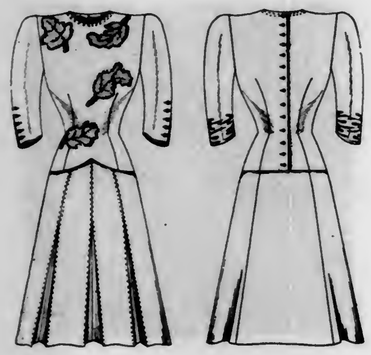
The ornamental design for a dress, substantially as shown.

134,223
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application October 8, 1942, Serial No. 108,473
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,224
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application October 8, 1942, Serial No. 108,474
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,225
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application October 8, 1942, Serial No. 108,477
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,226
DESIGN FOR A DRESS
Caroline Ormsbee, Webster Groves, Mo., assignor to Kay Ferer, Inc., St. Louis, Mo., a corporation of Missouri
Application October 1, 1942, Serial No. 108,389
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,227
DESIGN FOR A DRESS
Caroline Ormsbee, Webster Groves, Mo., assignor to Kay Ferer, Inc., St. Louis, Mo., a corporation of Missouri
Application October 1, 1942, Serial No. 108,390
Term of patent 3½ years



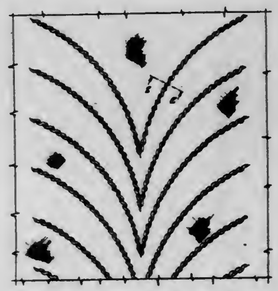
The ornamental design for a dress, substantially as shown.

134,228
DESIGN FOR A DRESS
Mollie Parnis, New York, N. Y.
Application October 1, 1942, Serial No. 108,392
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

134,229
DESIGN FOR A TEXTILE FABRIC OR THE LIKE
Jacob Raab, Chicago, Ill., assignor to Daniel Novick, Chicago, Ill.
Application February 26, 1942, Serial No. 105,985
Term of patent 7 years



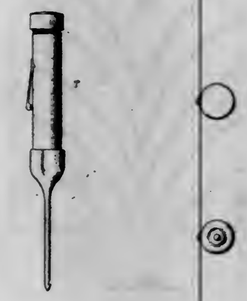
The ornamental design for a textile fabric or the like, as shown.

134,230
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Charles Rosenstein, Paterson, N. J.
Application July 4, 1942, Serial No. 107,429
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

134,231
DESIGN FOR A CROCHET HOOK
Samuel Shapiro, Brooklyn, N. Y.
Application March 27, 1942, Serial No. 106,342
Term of patent 14 years



The ornamental design for a crochet hook, substantially as shown.

134,232
DESIGN FOR A DRESS
Leona Simmons, New York, N. Y.
Application October 3, 1942, Serial No. 108,420
Term of patent 3½ years



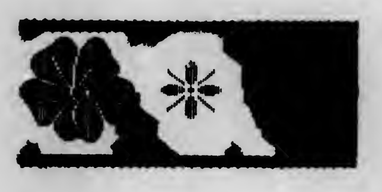
The ornamental design for a dress, substantially as shown.

134,233
DESIGN FOR A NARROW WOVEN FABRIC
Charles S. Wackerman, Bridgeport, Conn., assignor to The American Fabrics Company, Bridgeport, Conn.
Application September 16, 1942, Serial No. 108,244
Term of patent 3½ years



The ornamental design for a narrow woven fabric, substantially as shown and described.

134,234
DESIGN FOR A NARROW WOVEN FABRIC
Charles S. Wackerman, Bridgeport, Conn., assignor to The American Fabrics Company, Bridgeport, Conn.
Application September 16, 1942, Serial No. 108,245
Term of patent 3½ years



The ornamental design for a narrow woven fabric, substantially as shown and described.

134,235
DESIGN FOR A LACE TABLECLOTH
William Wolf, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application September 29, 1942, Serial No. 108,361
Term of patent 14 years



The ornamental design for a lace tablecloth, substantially as shown and described.

ROLL NO. D

OFFICIAL GAZETTE

UNITED STATES PATENT OFFICE

SEPT. THRU OCT.

1942

VOLS. 542 & 543

MICRO-PHOTO SERVICE
BUREAU
CLEVELAND 3, OHIO